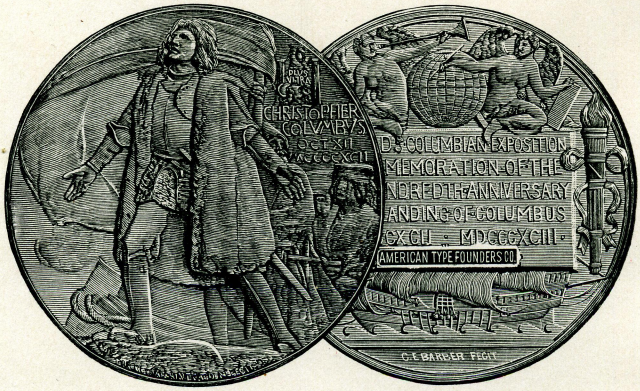
Catalogue & Price List

Printing Machinery & Materials, Wood Type, Wood Goods and Inks.

American Type Founders Co.
New York

FIVE AWARDS



COLUMBIAN EXPOSITION

CHICAGO, 1893

ILLUSTRATED CATALOGUE

AND

PRICE LIST

OF

PRINTING MACHINERY AND SUPPLIES
WOOD GOODS AND WOOD TYPE
FINE PRINTING INKS

Everything for the Printer

AMERICAN TYPE FOUNDERS COMPANY

LEADERS OF TYPE FASHIONS

1897

1A (NY)

NOTICE.

The American Type Founders' Company is the leading merchant in Printing Machinery and Supplies, and as such its policy is to deal in those manufactures that are standard and of superior value to the printer.

To give the longest and most satisfactory service in proportion to the selling prices is the best evidence of superior value, and by this standard the Machinery and Materials in this catalogue have been selected.

As the productions of the American Type Founders' Company are the admitted standards of excellence throughout the world, due regard for the reputation of its own products will not permit it to recommend anything that is not the best procurable in its class.

Index to Price List

For the Composing Room . . . . . 17 to 71
For the Press Room . . . . . 72 to 125
For the Stock Room and Bindery . . . . . 126 to 165
For the Mailing Department . . . . . 166 to 168
Miscellaneous . . . . . 169 to 174
Wood Type . . . . . 175 to 192
Useful Information for Printers . . . . . 193 to 199
Imposition of Forms, with Diagrams . . . . . 200 to 208
Ramaley's Price List of Printing and Binding . . . . . 209 to 236

	PAGE
Acme Staple Binders	140–142
Adamson Disc Cover	88
Addressing Machines	166, 167
Advertising Rules	16
Angular Quads	14
Backing for Electrotypes	172
Beating Tables	37
Bellows	22
Belting	73
Bentrovato	89
Benzine Cans	76
Blankets, Felt and Rubber	72
Bodkins	17
Book Sewing Machine, Tennis	149
Bookbinders' Case	61, 152
Bookbinders' Gold Leaf Stamping Presses	156
Bookbinders' Lettering Pallet	152
Bookbinders' Metal Type	152
Bookbinders' Press Boards	165
Bookbinders' Standing Presses	164
Bookbinders' Table Shears	137
Books for Printers	169
Brackets	30, 53, 58, 64
—Double Case	53
—Tilting Case	58
Brass Column Rules	16
Brass Dash Rules	16
Brass Head Rules	16
Brass Leads and Slugs	16
Brass Rule Curving Machines	25
Brass Type	152
Bronze Powders	86, 91
Bronze Size	86
Bronzing Machines	124
Bronzing Mitten	91
Bronzing Pad	91
Brushes, Benzine	73
—Liquid Cement	73, 151
—Lye	73
—Proof	73
—Stereotype Beating	73
Cabinets	53–63
—American-Polhemus	56, 57
—American Steel-Run	54

	PAGE
Cabinets—*Continued*	
—Bookbinders'	51, 152
—Combination No. 1	59
—Eagle	59
—Electrotype and Cut	60
—Ink and Roller	88
—Paper and Card Stock	63
—Porter's Extension Front	55
—Rowen Border and Script	62
—Sort	63
—Specimen	60
—Wisconsin Hard Wood	53
—Wisconsin Window	58
—Wood Type	61
Card Cutters	136
Cases	44–49
Case Racks	51
Case Stands	50–52
Case Stands, Wrought Iron	52
Chases	34–36
Chesapeake Economy Compound	87
Circular Quads	14
Composing Rules	19
Composing Stick Rack	20
Composing Sticks	18, 19
Copy Holder	20
Corner Quads	14
Counters	83
Crown Engraving Plates	171
Curving Machines	25
Cutting Boards	165
Cutting and Creasing Press, Gally Universal	101
Cutting Sticks	134
Cutting Strips	134
Dillingham Press Punch	77
Disc Cover, Adamson	88
Dividers	22
Dryers	86
Drying Racks	92, 93
Economy Wrapper Paster	168
Electricity Dissipater	89
Embossing Composition	89
Embossing Made Easy	89
Embossing Press, Hand	156

Index to Price List

PAGE

Embossing Press, Gally Universal 100
Engravers' Tools 169
Engravers' Wood 169
Engraving Plates, Hoke Crown 171
Eyelets 155
Eyeleting Machines 154, 155
Eyelet Punch and Set 153
Eye Shade 17
Eureka Type Wash 86

Folders, Bone and Steel 74
Folding Machines 122, 123
—Bennett Country Quarto 123
—Bennett Economical 123
—Tribune Newspaper 122
Foot Sticks, Iron 35
Form Truck 36
Furniture, Labor-saving 40, 41
Furniture and Reglet 40

Galley Brackets 30
Galley Cabinets 31
Galley Lock-up 28
Galley Proof Presses 66, 67
Galley Racks 30
Galleys 26–29
Gas and Gasoline Engines 128
Gauge Pin Drawer 75
Gauge Pins and Guides 75
Gloss Varnishes 86
Glue Pot 151
Gold Leaf Lettering Presses 156
Gripper Perforator, Miller's 94
Gum Paste 166

Hack Saws 22
Hercules Gas Engine 125
Hercules Liquid Overlay 89
Hoke Engraving Plates 171

Ideal Inking Apparatus 108
Imposing Surfaces, Iron 39
Imposing Tables and Stones 38, 39
Inks 84–86
Ink Fountains (listed under respective Presses).
Ink Knives 74
Ink Reducers 87
Ink Slabs, Marble 39
Ink Slice 74
Inkoleum 87
Interlocking Drying Racks, Koerner's . . 93

Kelsey Copy Holder 20
Keystone Hack Saw 22
Knife Grinder 135

Label Holder 20
Lamp Holder 64
Lead and Rule Cutters 23
Leader Boxes 22
Lead Racks 42
Leads and Slugs 14
Leather Belting 73
Letter Board Cabinets 43
Letter Boards 43
Linotype Galley 28
Linotype Planer 21
Liquid Padding Glue 151
Lock-up Wrenches 37

Magnifying Glass 169
Mailing Galleys 29
Mailing Machines 166
—Acme 167
—Horton 166, 167
—Mustang 167
—Ruckenbrod 167
Make-up Rules 19
Make-up Tables 37
Mallets 21

PAGE

Maple Blocks 173
Marble Stones 39
Matrix Paper 170
Metal Furniture 15
Miter Boxes 22
Mitering Machines 24
Monitor Wire Stitcher 148

Newspaper File 172
Newspaper Paster 168
Numbering Frame, Wetter 80
Numbering Machines 138
Numbering Machines, Wetter 80–82

Overlay Knife 74

Padding Glue, Elastic 151
Padding Glue, Liquid 151
Page Cord 17
Paging Machine, Monitor 139
Pallet, Bookbinders' Lettering 152
Pallet Ink Knives 74
Paper Box Cutting and Creasing Press . . 101
Paper Counter 151
Paper Cutters 126–133
—Advance Power 130
—Chandler & Price 129
—Clipper 128
—Dooley Power 131
—Feister-Brown Self-Clamping . . . 132, 133
—Peerless Gem 126, 127
—Peerless Power 129
—Utility 128
Paper Jogger 121
Paper Knife 74
Paste 166
Pasters 168
Patent Cutting Stick 134
Perfection Wire Stitchers 144–147
Perforators 158–161
Planers 21
Pliers 25
Power Fixtures 121
Press Boards, Bookbinders' 165
Press Points 77
Press Punches 77
Printers' Brushes 73
Printers' Dividers 22
Printers' Saw Table 65
Printers' Trucks 94
Printing Inks 84–86
Printing Presses 95–120
—Army 109
—Campbell Country 110
—Chandler & Price Old Style Gordon . . 95
—Cottrell Monarch 112
—Cottrell Paragon 113
—Cottrell Triumph 111
—Cranston Newspaper 114, 115
—Cranston Book and News 115
—Cranston Two-Roller 116
—Cranston-Victor Commercial 118
—Cranston-Victor Two-Revolution, Two Rollers 117
—Cranston-Victor Two-Revolution, Four Rollers 119
—Franklin Gordon, New Style 103
—Gally Universal 96–99
—Golding Jobber 104
—Harris' Automatic 102
—Ideal Hand Cylinder 108
—Official Hand Lever 106
—Ostrander-Seymour Pony Web 120
—Pearl 105
—Pilot Hand Lever 106
—Prouty, Improved Country 109
—Washington Hand 107
Proof Planers 21
Proof Presses 66, 67
Punching Machine 153

Index to Price List

	PAGE
Quoin Lock	33
Quoins, Mechanical	32, 33
Quoins, Wooden	40
Quotation Furniture	15
Ratchets for Stereotype Blocks	79
Rawhide Mallets	21
Reducing Glass	169
Reducing Varnishes	86
Reglet, Labor-Saving	40
Roller Cloth	72
Roller Supporters	90
Rollers	90
Rule Bender	25
Rule Cases	45–47
Rule Cutters	23
Rule Shaper	24
Ruling Machines	162, 163
Ruling Pens	163
Saws	22
Saw Table, Printers'	65
Screw Drivers	74
Shooting Sticks	22
Side Sticks	40
Sort Drawers	63
Stabbing Machine, Hand	149
Stamping Presses	156, 157
Standing Galleys, Wood, etc	68, 69
Standing Galleys, Wrought Iron	70
Standing Presses	164
Staple Binders	140–143
Staples, Wire	143
Star Rule	176
Stereotype Blocks	78, 79
—Sectional Metal	79
Stereotype Casting Boxes	171
Stereotype Chases	37
Stereotyping Apparatus	170, 171
Storage Can	76
Table Shears	137
Tablet Knife	74, 151
Tablet Presses	150
Take Slugs	14
Tape	72
Tape Couplers	73
Tape Fastener	72
Tennis Book Sewing Machine	149
Thorne Type Setting Machine	71
Tint Blocks	173
Trucks	94
Tweezers	17
Tympan Press Boards	73
Type-high Gauge	64
Type-high Machine	65
Type Measures	20
Type Wash, Eureka	86
Varnishes	86
Wetter Numbering Machines	80, 82
Wire, on Spools	147
Wire Staples	143
Wire Stitchers	144, 148
Wrapper Paster, Economy	168
Wrenches	74
Wood Borders	177
Wood Circles	173
Wooden Galleys	29
Wood Furniture	40
Wood Pointers	176
Wood Rule	176
Wood Type	175–192

LABOR-SAVING LEADS AND SLUGS

2 Point or thicker, in fonts of graduated lengths, from 48 Points and upward.

12 pound font	$3 00	50 pound font	$12 50
20 " "	5 00	100 " "	25 00
25 " "	6 25	Sorts, per pound	25

SHAVED LEADS AND SLUGS

	UNCUT	CUT TO ONE MEASURE
1 Point (12-to-Pica), per lb.	$0 50	$0 65
1½ " (10-to-Pica), "	40	50
1⅕ " (8-to-Pica), "	32	40
2 " (6-to-Pica), "	16	18
3 " (4-to-Pica), "	16	18
4 " (3-to-Pica), "	16	18

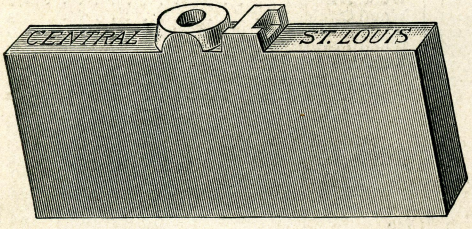
	UNCUT	CUT TO ONE MEASURE
6 Point (Nonpareil), Slugs, per lb.	$0 16	$0 18
8 " (Brevier) " "		
9 " (Bourgeois) " "		
10 " (Long Prim.) " "		
12 " (Pica) " "		
18 " (Great Prim.) " "		

METAL CORNER QUADS

These insure a better junction of mitered corners, by preventing them from slipping past each other.

6 Point, per set of four	$0 20
12 " " "	20
3 " Brass, per set of four	25

COPPER ALLOY TAKE SLUGS



The only Take Slug cast in a mould in extra durable copper alloy metal. Better, cheaper and more durable than electrotyped slugs. Any number from 1 to 100, in this style figure only:

123456

Price, each, 15 cents

ELECTROTYPED TAKE SLUGS

With Word, Letter or Figure $0 25

ANGULAR QUADS

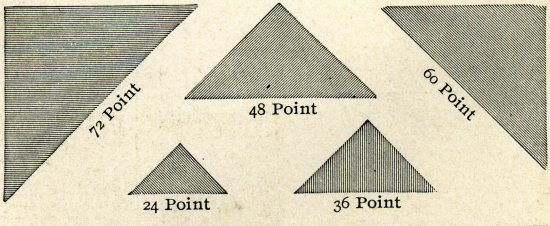
These Quads, introduced by us, are for setting rules and lines at an angle. When there is occasion for their use they are invaluable time-savers.

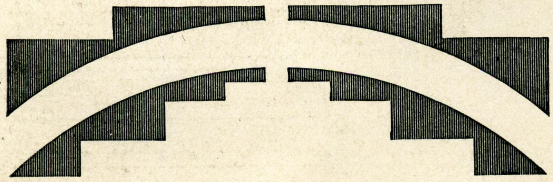
They are of ordinary space and quad height.

Fonts, four of all sizes, $1.50.

Price, per set of four:—

12 Point,	$0 20	48 Point,	$0 30
18 "	20	60 "	35
24 "	20	72 "	40
36 "	25		



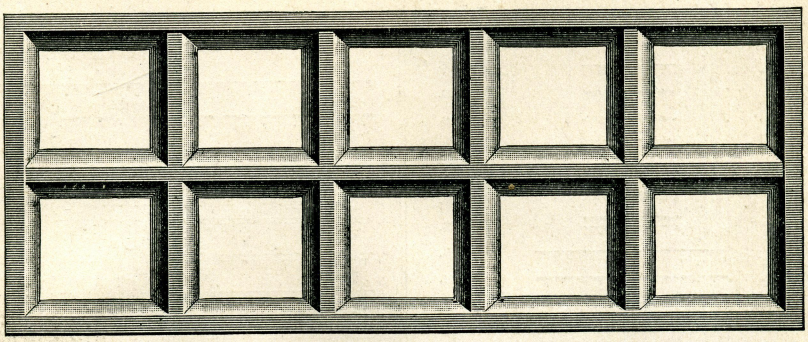


CIRCULAR QUADS

Fonts, $3.50

Each font is put up in a wooden box, containing four pieces each of twenty different curves. Each curve mortised as shown in examples.

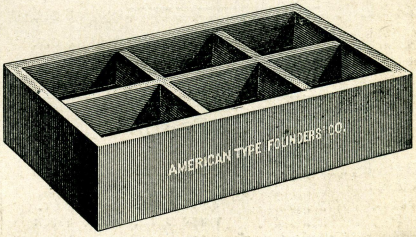
METAL FURNITURE



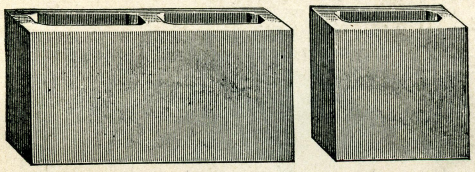
Put up in fonts containing the following sizes: 2, 3, 4, 5, 6, 8 and 10 12-Point ems wide, and 4, 5, 6, 8, 10, 12, 15, 20, 25, 30 and 50 12-Point ems long.

12 pound font	. . . . .	$3 00
25 "	. . . . .	6 25
50 "	. . . . .	12 50
100 "	. . . . .	25 00

Sorts, 25 cents per pound.



LABOR SAVING QUOTATION FURNITURE

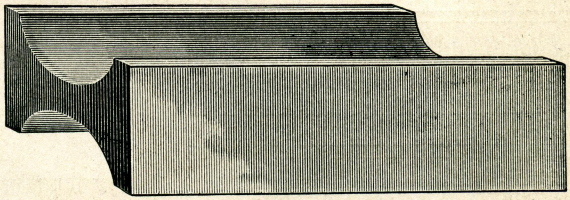


This Furniture is cast in a type mould, and is finished with the strictest regard for accuracy. The pieces are 4, 8, 12, 16 and 20 12-Point ems in length, and 2, 3 and 4 12-Point ems in width, quadrat height, with suitable spaces.

20 pound font	. . . . .	$5 00
40 " "	. . . . .	10 00

Sorts to order, 2×4, 2×8, 2×12, 2×16, 2×20, 3×4, 3×8, 3×12, 3×16, 3×20, 4×4, 4×8, 4×12, 4×16, 4×20 ems 12 Point, per pound, 25 cents.

REVERSIBLE METAL FURNITURE



25 pound fonts	. . . .	$6 25
50 " "	. . . .	12 50
75 " "	. . . .	18 75
100 " "	. . . .	25 00

Sorts to order, per pound, 25 cents.

This Labor-Saving Reversible Furniture is our invention, and is the strongest and one of the most accurate in the world. It is made on the Point System of bodies, and is useful for blanking out and making up forms and for general imposition.

List of sizes furnished: 2, 3, 4, 5, 6, 8 and 10 ems Pica in width, and 4, 5, 6, 8, 10, 15, 20 and 25 ems Pica in length; also 2, 3, 4 and 5 ems in width by 50 ems in length. Fonts of 50 pounds or more in weight contain all of the above sizes.

BRASS DASH RULES

Cut to single newspaper column. Prices quoted are for 15-ems column and under.

	EACH
No. 1.	7 cts.
No. 2.	7 cts.
No. 3.	7 cts.
No. 4.	8 cts.
No. 5.	8 cts.
No. 6.	8 cts.
No. 7.	8 cts.
No. 8.	7 cts.
No. 9.	7 cts.
No. 10.	7 cts.
No. 11.	8 cts.
No. 12.	8 cts.
No. 13.	8 cts.
No. 14.	8 cts.

BRASS HEAD RULES

The following prices are for any Single, Double, Parallel or Triple Rule shown in this book:

	4 PT. THICK	5 PT. THICK	6 PT. THICK	7 PT. THICK
12 in. and under, each	.20	.25	.30	.35
14 " " " "	.25	.30	.35	.40
17 " " " "	.30	.35	.45	.50
19 " " " "	.35	.40	.50	.60
22 " " " "	.40	.50	.60	.70

No. 1. 4 Point.

No. 2. 4 Point.

No. 3. 4 Point.

No. 4. 4 Point.

No. 5. 5 Point.

No. 6. 5 Point.

No. 7. 5 Point.

No. 8. 5 Point.

No. 9. 6 Point.

No. 10. 6 Point.

No. 11. 6 Point.

No. 12. 6 Point.

No. 13. 7 Point.

No. 14. 7 Point.

ADVERTISING RULES

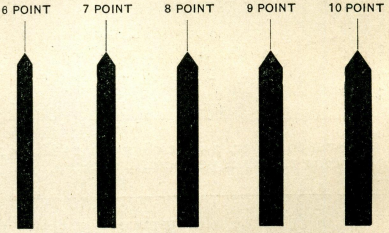
Prices quoted are for columns 15 Pica ems wide and under.

	SINGLE COL.	DOUBLE COL.
No. 1.	4 cts.	6 cts.
No. 2.	4 cts.	6 cts.
No. 3.	5 cts.	8 cts.
No. 4.	5 cts.	8 cts.
No. 5.	5 cts.	8 cts.
No. 6.	6 cts.	10 cts.
No. 7.	6 cts.	10 cts.
No. 8.	6 cts.	10 cts.
No. 9.	6 cts.	10 cts.
No. 10.	7 cts.	11 cts.

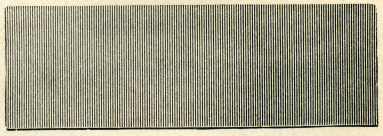
BRASS COLUMN RULES

SIZE	FACE LENGTH	6 PT.	7 PT.	8 PT.	9 AND 10 PT.
4 Column	13¾ in.	.35	.50	.55	.60
5 "	17¾ in.	.40	.55	.60	.70
6 "	19¾ in.	.45	.60	.65	.80
7 "	21¾ in.	.50	.65	.70	.85
8 "	23¾ in.	.50	.65	.70	.85
9 "	25⅞ in.	.55	.70	.80	.95
Each additional inch		.02	.03	.04	.05

Column Rules, nicked under for Combination Head Rules, 10 cents extra. Notched over and under for Perfecting presses, each 25 cents extra.



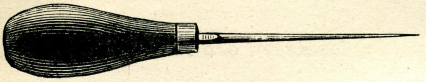
BRASS LEADS AND SLUGS



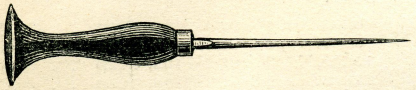
	PER POUND.
1 Point, cut to one measure	$1.00
1½ " " " " "	.85
2 " " " " "	.75
6 " and thicker, cut to one measure	.75
3 " in strips . . . . . per foot	.10
6 " " . . . . . "	.20

FOR THE COMPOSING ROOM.

BODKINS.



No. 1, wood handle, needle steel, each $0 10



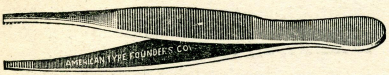
No. 2, wood handle, needle steel, each $0 10

TWEEZERS.



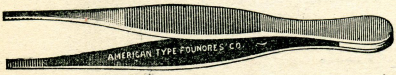
This is good and cheap; polished steel; Nonpareil points.

No. 11, nickel-plated, each $0 25



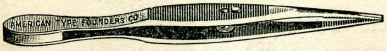
This is the best Tweezer procurable at the price; file point, steel, 4 inches long.

No. 5, nickel-plated, each $0 50



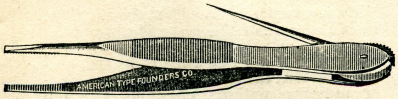
These are the best made; tempered steel, nickel-plated, file-cut points and backs. No. 7 is 4 inches long; No. 8, 4¾ inches long.

No. 7, nickel-plated, 4 inches long, each $0 75
No. 8, nickel-plated, 4¾ inches long, each 0 85



The only Tweezer that can be carried in the pocket with comfort and safety. It locks and unlocks automatically. Hold it points down and press between fingers gently, and it unlocks; hold it points up and bring points together, and it locks securely.

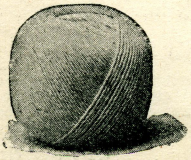
No. 9. Self-locking, nickel-plated, each $0 90



When Tweezer is in use the Bodkin folds into it. When Bodkin is required, pressure on the file-cut arc shown in cut brings it out easily, and when extended it locks securely, and is as firm as an ordinary Bodkin. This is the latest and most satisfactory combination. Patent applied for.

No. 3. Combination Tweezer and Bodkin, nickel-plated, each $1 00

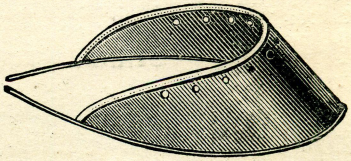
PAGE CORD.



The real thing. 8-ply Charter Oak Cotton.

8 ounce balls, each $0 25

PRINTERS' EYE SHADE.

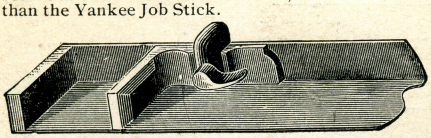


Per dozen $1 50
Each 0 15

COMPOSING STICKS.

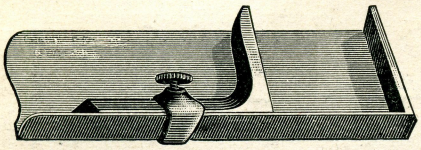
THE BUCKEYE.

Quick and easy to set; will not slip; lies flat; as secure as the Common Screw Stick, and easier to set than the Yankee Job Stick.



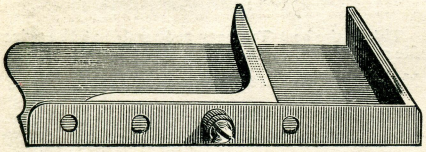
6 ins. × 2, 2¼ or 2½ ins. deep	$0 90
8 ins. × 2, 2¼ or 2½ ins. deep	1 00
10 ins. × 2, 2¼ or 2½ ins. deep	1 20
12 ins. × 2, 2¼ or 2½ ins. deep	1 40
14 ins. × 2, 2¼ or 2½ ins. deep	1 60
16 ins. × 2, 2¼ or 2½ ins. deep	1 80
20 ins. × 2, 2¼ or 2½ ins. deep	2 20
24 ins. × 2, 2¼ or 2½ ins. deep	2 60

YANKEE JOB.



6 ins. × 2, 2¼ or 2½ ins. deep	$0 75
8 ins. × 2, 2¼ or 2½ ins. deep	0 80
10 ins. × 2, 2¼ or 2½ ins. deep	1 00
12 ins. × 2, 2¼ or 2½ ins. deep	1 15
14 ins. × 2, 2¼ or 2½ ins. deep	1 30
16 ins. × 2, 2¼ or 2½ ins. deep	1 45
18 ins. × 2, 2¼ or 2½ ins. deep	1 60
20 ins. × 2, 2¼ or 2½ ins. deep	1 75

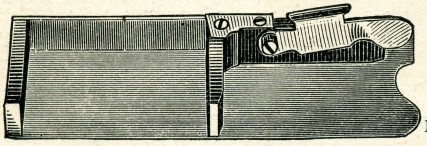
COMMON SCREW.



6 ins. × 2, 2¼ or 2½ ins. deep	$0 75
8 ins. × 2, 2¼ or 2½ ins. deep	0 80
10 ins. × 2, 2¼ or 2½ ins. deep	1 00

Other sizes to order at same prices as Yankee Job Sticks.

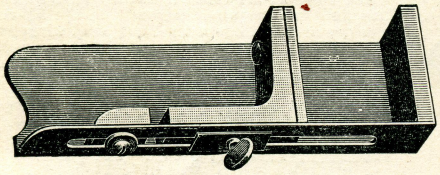
THE GROVER.



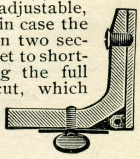
6 × 2¼ inches	$0 90
8 × 2¼ inches	1 00
10 × 2¼ inches	1 20
10½ × 2½ inches (billhead)	1 60
12 × 2¼ inches	1 40
16 × 2¼ inches	1 80

Extra Clasps, 10 cents; extra Knees, 40 cents each.

"C" SLOT STICK.

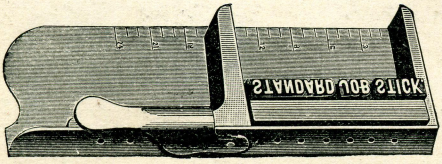


Has two entirely novel features: (1) The inside of face of the knee is adjustable, so that it can be squared up in case the knee wears; (2) The knee is in two sections, so that the Stick can be set to shorter measure without changing the full measure adjustment. See cut, which shows part of the knee at the left set for full measure, while the main part is set to a lesser measure.



6 ins. × 2¼ ins. deep	$1 15
8 ins. × 2¼ ins. deep	1 25
10 ins. × 2¼ ins. deep	$1 45
12 ins. × 2¼ ins. deep	1 65

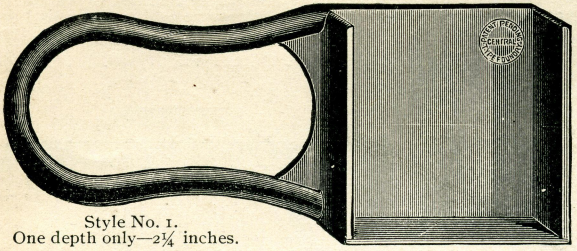
STANDARD JOB COMPOSING STICK.



Sets instantly to Nonpareils or Picas, of the point system only, without the use of leads or quads, and once set cannot possibly slip.

	2 ins.	2¼ ins.	2½ ins.
6 inches	$1 75	$1 85	$1 95
8 inches	2 00	2 10	2 20
10 inches	2 25	2 35	2 45
12 inches	2 50	2 60	2 70

PERFECT NEWS STICKS.



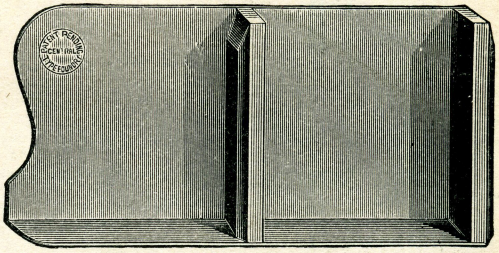
Style No. 1.
One depth only—2¼ inches.

These Sticks are made for setting one measure only, either 13 or 13½ ems Pica, and prevent all the annoyances due to variations in Sticks set inaccurately by careless compositors. It is undoubtedly the best Stick made for news measures.

Style No. 1 is made of best malleable iron; the handle and under side are japanned, so that the Stick cannot rust; the pan itself is milled out, the sides being absolutely square and rigid, and altogether the Stick is as perfect as could be desired. Made one depth—2¼ inches—only, and for 13 or 13½ ems Pica measure.

Style No. 2 is made of the best of steel, and the set bar or knee is riveted firmly to bottom and back of Stick. It is accurate in every respect.

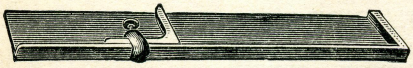
These Sticks are made for 13 or 13½ ems Pica measure, and are 2¼ inches deep.



Style No. 2.

No. 1. Malleable Iron, milled, for 13 or 13½ ems Pica measure $0 75
No. 2. Steel-riveted, for 13 or 13½ ems Pica measure 0 80

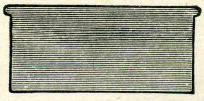
WOODEN POSTER STICK.



With brass-lined ends, iron knee and screw clamp.

16 inches $1 00
20 inches 1 10
24 inches 1 20
30 inches 1 35
36 inches 1 50
42 inches 1 80

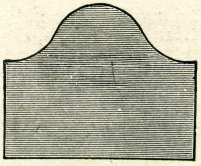
COMPOSING AND MAKE-UP RULES.



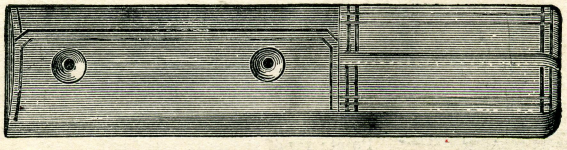
Steel Composing Rules, 15 ems and under, each $0 25

Add 5 cents to above from 15 to 20 ems, and 10 cents extra from 20 to 25 ems.

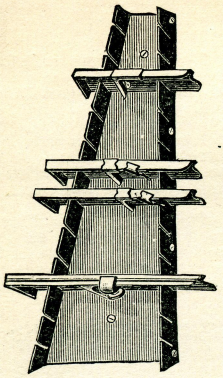
Nickel plating, 15 cents extra.



Steel Make-up Rules, 15 ems and under, each $0 30



Set of 12 Steel Composing Rules, in leather case $1 50

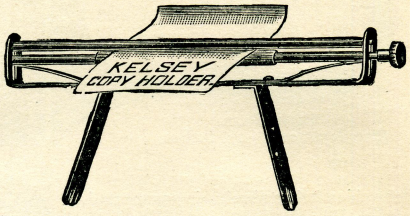


COMPOSING STICK RACK.

This Rack holds twelve Sticks, and can be attached to the wall or any other convenient place. The Sticks are held securely, and are preserved from the damage liable to them when "kicking about."

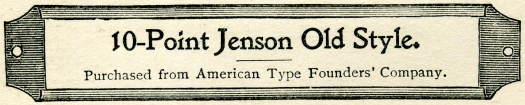
Each $1 50

KELSEY COPY HOLDER.



Price, each $0 75

BRASS LABEL HOLDER.

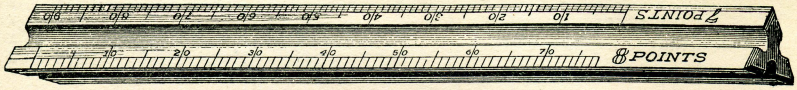


The utility of these Label Holders is apparent at a glance, especially when extra men are put on, as it enables them to locate the type quickly.

Size, 1×5½ inches, per hundred, with cards and tacks complete $2 75
Size, 1×5½ inches, per dozen (least quantity sold), complete 0 50

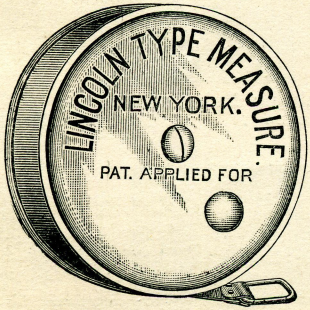
Other sizes furnished to order.

TYPE MEASURES.



Boxwood Triangular Type Measure.

Boxwood, triangular shape, the best, 9 inches $1 50
Boxwood, triangular shape, the best, 18 inches 3 00



Exact size.

This Type Measure is superior to any, and is guaranteed to be accurate. The sides of the triangle are grooved, so that it is easily handled. It will measure any size from 5½ Point to 18 Point, and all multiples of 6 Point.

Square Brass-Edged Wooden Type Scale, No. 120 . . . . . $0 30

Measures 5½, 6, 7, 8, 9, 10, 11 and 12 Points, and has 12-inch scale.

Patent 12-inch Cardboard Type Scale $0 25

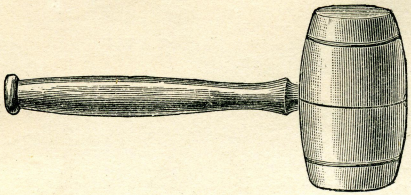
Measures 4½, 5, 5½, 6, 7, 8, 9, 10, 11, and 12 Points, and has 12-inch scale.

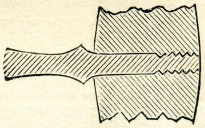
Lincoln Type Measure, steel tape, 24 inches long, in German silver case, each $2 00

Measures 376 lines of Agate (14 lines to the inch); 288 of 6 Point; 246 of 7 Point; 216 of 8 Point; 192 of 9 Point; 172 of 10 Point; 157 of 11 Point; 144 of 12 Point, and has a 24-inch scale, all plainly marked.

WOODEN MALLETS.

Made of thoroughly seasoned and selected stock; handles screwed in; finished in oil; attractive shape. The Lignumvitæ Mallets can be specially recommended. They are heavier than Hickory Mallets, and wear like iron.





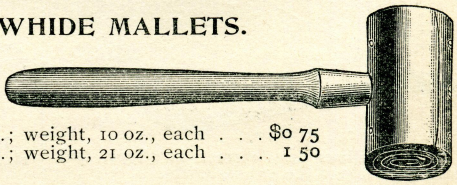
Shows Handle screwed in.

Hickory, small,	2½×4½ $0 25	Lignumvitæ,	2¼×3½ $0 50
Hickory, medium,	3 ×5 . . . . . 0 30	Lignumvitæ,	3 ×5 . . . . . 0 60
Hickory, large,	3½×6 . . . . . 0 40	Lignumvitæ,	3½×5½ 0 75

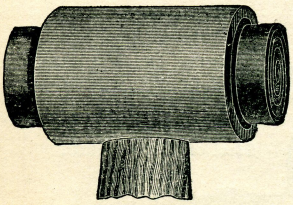
IRON BOUND WOODEN MALLET 1 00

PATENT RAWHIDE MALLETS.

This mallet is made entirely of rolled rawhide, except handle, which is of wood.



No. 4. Diameter, 2 in.; length, 3¼ in.; weight, 10 oz., each . . . $0 75
No. 5. Diameter, 2¾ in.; length, 4¼ in.; weight, 21 oz., each . . . 1 50

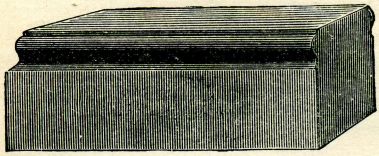


RAWHIDE-RUBBER MALLET.

The striking parts of mallet are of rawhide, held by an iron body piece. The iron piece is covered with rubber as a protection to the type in case the mallet falls on, or is laid on, the form. When the rawhide striking parts (or faces) wear out, new faces can be inserted in the iron body piece.

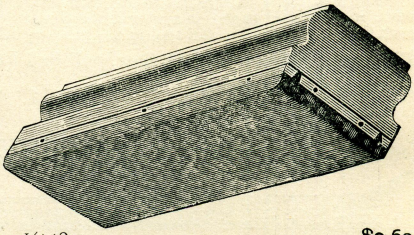
No. 2. Diameter of face, 1½ in., each $1 25
Extra Rawhide Faces, per pair 0 40

PLANERS.



Maple, small, 3 ×6 . . . . . $0 25
Maple, large, 3½×8 . . . . . 0 30
Maple, leather top, 3½×8 . . . . . 0 40

PROOF PLANERS.

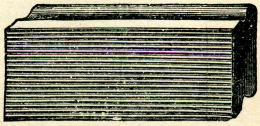


3½×8 . . . . . $0 60

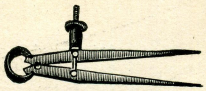
LINOTYPE PLANER.

The Linotype Planer has a corrugated rubber face and is used for removing the burr from linotype slugs.

Price, each $0 50



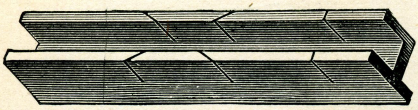
PRINTER'S DIVIDERS.



Always useful in laying out margins and distances, imposing plate forms, etc. A great time saver.

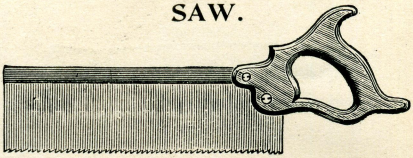
Price, each $0 85

MITER BOXES.



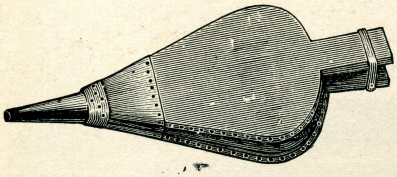
Wood, 13½ ems wide, each $0 40
Wood, 3 inches wide, each 0 50
Iron, each 2 50

SAW.



Back Saw, for cutting wood or soft metal $1 25

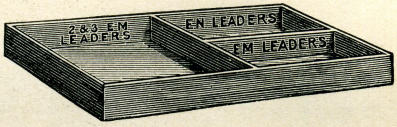
BELLOWS.



These Bellows are correct in shape, and strongly made of the best materials.

Small size $1 00
Large size 1 25

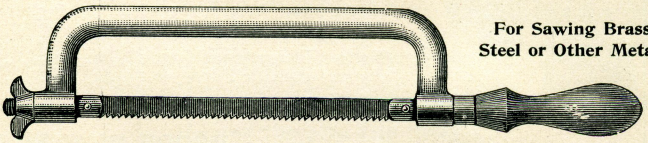
LEADER BOXES.



Just "the thing" for holding leaders. The size is 5×8×1¾ inches.

Price, per dozen $2 50
Each 0 25

KEYSTONE HACK SAWS.

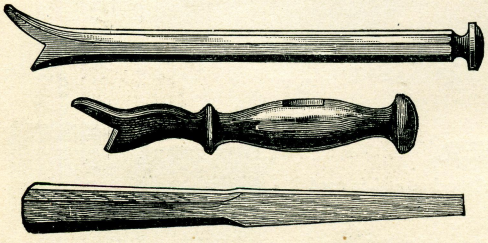


For Sawing Brass, Steel or Other Metals.

The saw blade is secured to the iron frame by two pins, and may be detached easily. When worn it is cheaper to put in a new blade than to refile. One dozen extra blades are furnished with each frame. This is a useful tool in any printing office for cutting thick brass rules, iron side sticks, etc.

Eight-inch Keystone Hack Saw, polished frame, with one dozen saw blades . . . $1 50
Extra blades, eight-inch, per dozen $1 00

SHOOTING STICKS.

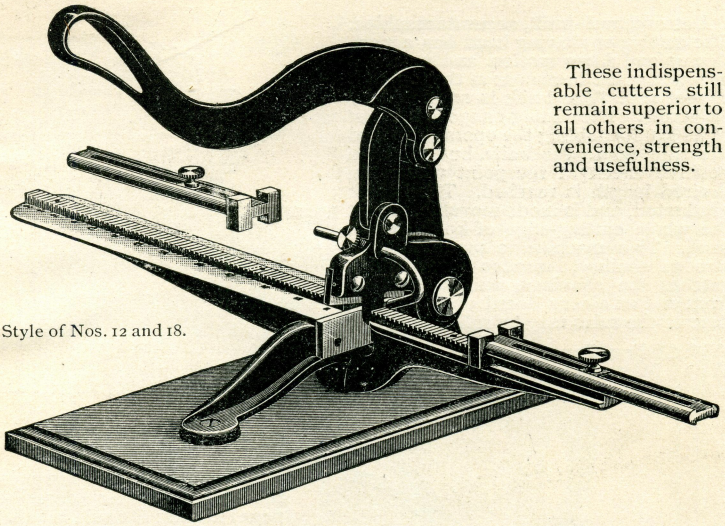


No. 3, wrought steel, nickel-plated, large, each $0 75
No. 2, wrought steel, nickel-plated, small, each 0 60

Malleable iron, japanned, each 0 30

Hickory Shooting Stick, per dozen, 85 cents . . . each, 0 08

LITTLE GIANT LEAD AND RULE CUTTERS.



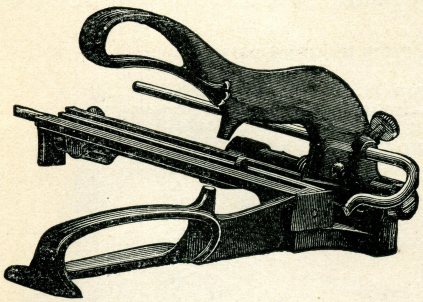
Style of Nos. 12 and 18.

These indispensable cutters still remain superior to all others in convenience, strength and usefulness.

This cut illustrates the latest improvements in these well-known cutters.

Nos. 1 and 3 are the well-known original Little Giants. No. 1 has single, and No. 3 double lever connections. Nos. 12 and 18 have accurate graduated beds and gauges at both front and back of knife, the front gauge being specially designed for cutting leads and rules rapidly, and is so constructed that the cut lead or brass drops off the bed without handling.

No. 1, gauges, 12 inches $8 00
No. 3, gauges, 18 inches (extra strong) 12 00
No. 12, gauges, 12½ inches at back and 11½ inches at front, graduated to Picas . . 10 00
No. 18, gauges, 18½ inches at back and 14 inches at front, graduated to Picas . . 14 00



NONPAREIL LEAD CUTTER.

Will cut leads and slugs six points thick, and, although not recommended as a rule cutter, will cut two-point brass rule. Has back and front gauges.

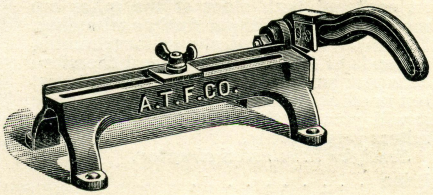
Leads can be cut very rapidly and easily on this cutter by holding the lever and the hand-hold on frame in right hand, as in using hand shears. To get the best results this cutter should be screwed to bench or table.

Price $4 00

UTILITY LEAD CUTTER.

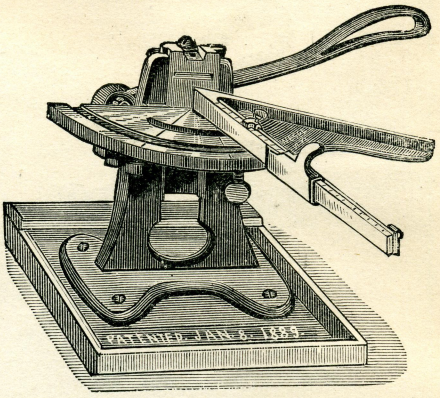
The strongest cheap Lead Cutter made. A reliable, cheap tool.

Price $2 00

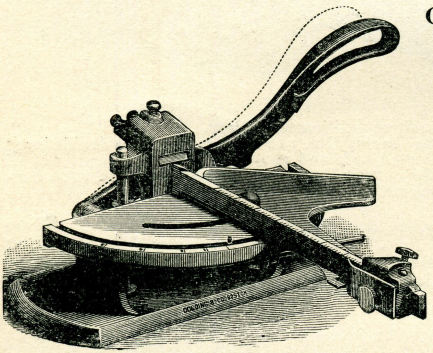


PATENT UPRIGHT MITER MACHINE.

A strong, well-built, accurate machine. The cutting or shaving head has a positive up and down motion, and must cut as much at the bottom as at the top, as it cannot slip. The knife is regulated by set-screw. The sliding gauge is the best of its kind, enabling the operator to feed the rule up to the knife, but affords a positive check at the point where the desired length is reached. The bed is graduated, and is made movable, so that the whole cutting-edge of knife can be used. This machine is mounted in a strong, shallow, wooden box, which catches the shavings, and has at the front end an emery board on which the burr of the rules may be rubbed off.



With Sliding Gauge $13 00
With Micrometer Point-System Gauge 20 00



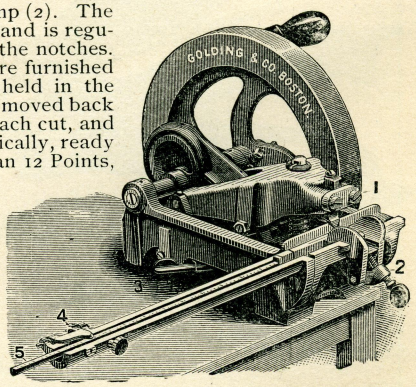
GOLDING UPRIGHT MITERER.

This machine differs in principle from the Patent Miterer (described on this page) in this: the rule is held stationary, and the knife is fed up to it, while in the Patent Miterer the knife is stationary and the rule is fed to it. The knife of the Golding Miterer is movable, but it is pivoted in such a way as to enable it to make a positive downward cut the same at the bottom as at the top. The knife adjustment is specially good. The bed is graduated and is made movable, so that the whole cutting-edge of the knife may be used.

Price, boxed $14 00

LITTLE GIANT RULE SHAPER.

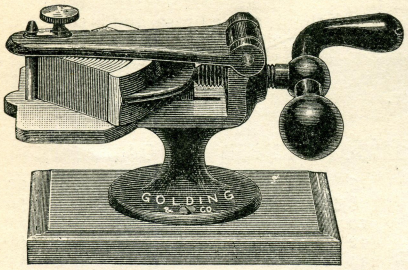
The rule is held flat on the bed by the clamp (2). The gauge (5) is graduated to Picas by notches, and is regulated by the pointer (4), which engages in the notches. Five steel cutting tools of different angles are furnished with each machine. The cutting tool is held in the head (1). By turning the wheel the cutter is moved back and forth over the rule, sinking deeper at each cut, and when it completes the cut it is lifted automatically, ready for the next cut. If the rule is thinner than 12 Points, the head (1) may be brought down to the rule by moving the lever (3). Any thickness of rule up to 12 Point may be mitered. At each cut both sides of the miter are made, and join without further trimming. This machine is not designed for trimming the ends of leads and rules, and therefore does not supersede the upright miterer; but in offices where much mitering is done it will prove a time and rule saver, as it miters very rapidly.



Send for illustrated circular.

Price $35 00
Patent graduated gauge, extra 4 00

GOLDING RULE-CURVING MACHINE.



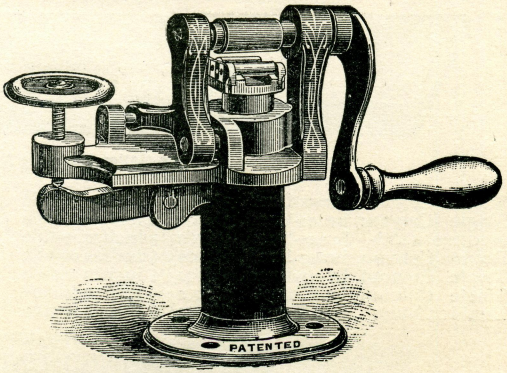
This machine curves brass rule from one-quarter inch to eight inches in diameter by pressure exerted by the screw on curved brass plates, between which the rule is put at the proper place to get the required curve, as indicated by a scale engraved on the bed. Smaller curves can be made on this machine than on any other. An attachment is supplied for forming square corners as a substitute for mitered corners. Brass rule for curving or bending should be annealed. All brass rule made by us can be annealed to order at a slight extra charge.

No. 1, curves one-quarter to four inches diameter $12 00
No. 2, curves three-eighths to eight inches diameter 18 00
Dies for forming square corners, per set 1 50

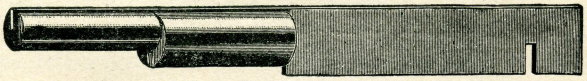
PRINTERS' CURVING MACHINE.

On this machine the curves are made by pressure between three iron rollers (two below and one on top), and the pressure is regulated by the screw at left hand side, which acts on a lever that raises or depresses the lower iron rollers. The action is very rapid, and, in the hands of an expert, accurate.

Price $15 00



ELITE RULE BENDER.

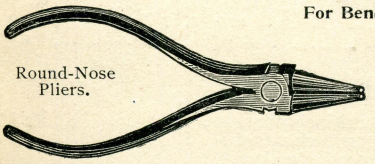


The blade is tool steel and the cylinders of brass. Bends rule from one to six points in thickness. The end of the rule is firmly held in the grooves in cylinder, and can be twisted into any shape.

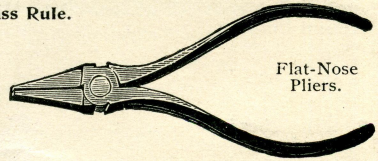
Price, with instructions for rule bending $2 00

PLIERS.

For Bending Brass Rule.



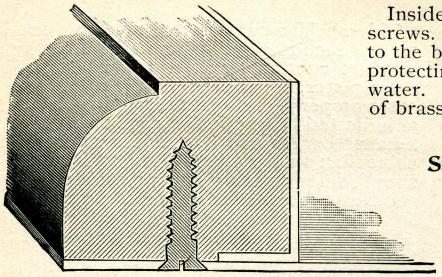
Round-Nose Pliers.



Flat-Nose Pliers.

Six-inch Round or Flat-Nose Pliers, polished, each $0 50

SMOOTH-LINED BRASS GALLEYS.



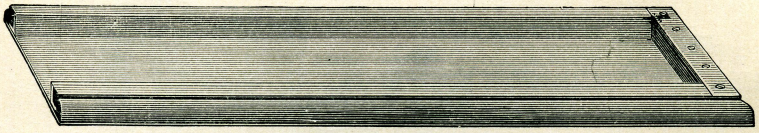
Sectional end view, showing how the brass lining protects the wood rim from action of lye and water.

Inside they are perfectly smooth and free from screws. The lining is angle brass, and is soldered to the bottom plate, strengthening the sides, and protecting the wood rim from the action of lye and water. The head is supported by a strong strip of brass.

SMOOTH-LINED JOB GALLEYS.

6 ×10 inches inside	$2 00
8¾ ×13 inches inside	2 50
10 ×16 inches inside	3 00
12 ×18 inches inside	3 50
14 ×20 inches inside	4 00
15 ×22 inches inside	5 00
18 ×25 inches inside	5 75

SMOOTH-LINED COLUMN GALLEYS.



Smooth-Lined Column Galley, showing Brass Plate at Head.

Single Column, brass-lined, 3½×23⅛ inches inside	$2 00
Single Column, brass-lined, 3½×11⅜ inches inside	1 50
Medium width, brass-lined, 4¾×23⅛ inches inside	2 25
Double Column, brass-lined, 6¼×23⅛ inches inside	2 50
Triple Column, brass-lined, 8½×23⅛ inches inside	3 00
Single Column, half-lined, 3½×23⅛ inches inside	1 75
Double Column, half-lined, 6¼×23⅛ inches inside	2 25

PATENT-LINED GALLEYS.

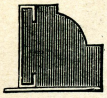


Fig. 1.

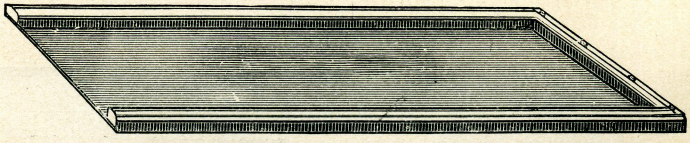


Fig. 2.

The wood rim has a brass lining driven into it, as illustrated in Fig. 1, thus avoiding the use of screws. The wood rims are secured to the bottom by screws.

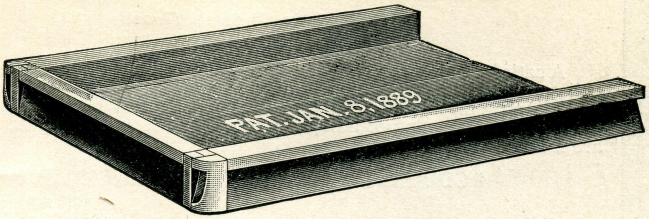
PATENT-LINED COLUMN GALLEYS.

	Size inside.	Full-lined.	Half-lined.
Single Column	3¾×23¼	$2 00	$1 75
Medium Column	5 ×23¼	2 25	2 00
Double Column	6¼×23¼	2 50	2 25

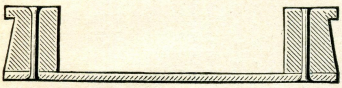
PATENT-LINED JOB GALLEYS.

6 ×10 inches inside	$1 50	12×18 inches inside	$3 75
8¾×13 inches inside	2 00	14×21 inches inside	4 50
9 ×14 inches inside	2 50	15×22 inches inside	5 00
10 ×16 inches inside	3 00	18×25 inches inside	6 00

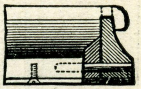
SUCCESS RIVETED ALL-BRASS GALLEYS.



Made of heavy brass, the sides *riveted* strongly to the bottoms, and the corners locked together by a patented hold, which effectually resists all the strain of locking-up. These galleys will be found to be a great improvement over those galleys with bottoms screwed to the sides. The list prices remain the same as charged for galleys with bottom secured by screws. These galleys have been the standard for quality and construction for several years, and are still unexcelled.



Shows method of securing sides to bottom by rivets.



Shows patent corner hold.

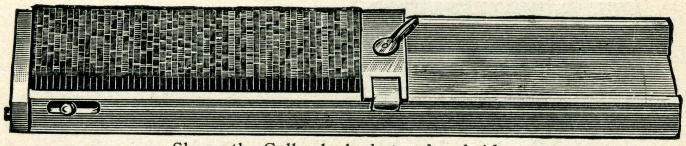
ALL-BRASS COLUMN GALLEYS.

Single,	3¾×23¾ inches inside . .	$2 00	Double, 6¼×23¾ inches inside . .	$2 50
Single,	3¾×11¾ inches inside . .	1 50	Triple, 8¼×23¾ inches inside . .	3 25
Medium, 5	×23¾ inches inside . .	2 25		

ALL-BRASS JOB GALLEYS.

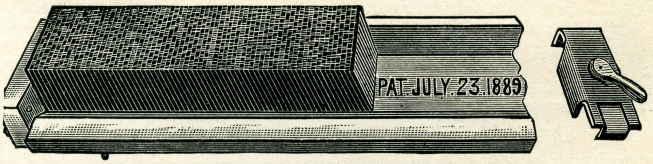
6	×10 inches inside	$1 50	12×18 inches inside	$3 75
8¾	×13 inches inside	2 00	14×21 inches inside	4 50
9	×14 inches inside	2 50	15×22 inches inside	5 00
10	×16 inches inside	3 00	18×25 inches inside	6 00

LINCOLN ALL-BRASS GALLEYS.



Shows the Galley locked at end and side.

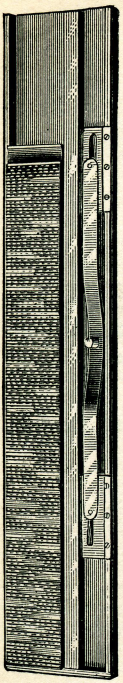
A good galley for newspaper work. *Made to order* to hold any regular widths of matter in regular use in an office. The upper side or rim of galley is strongly hinged to the bottom. This hinged side is dropped when emptying on galley, and when matter is ready for locking up the side is raised and is held by a spring-catch at head of galley and by the end clamp which locks the sides and end at the same operation. The catch is loosened by turning lever to the right. These galleys are about one inch wider than the width of column they are made to take.



Shows the Galley unlocked, with end lock detached.

12-inch News, all brass	$2 00	24-inch News, all brass	$3 00
16-inch News, all brass	2 50	24-inch Book, all brass	3 50

In ordering, give exact width of columns.



LAING PATENT GALLEY LOCK-UP.

Attachable to all Brass, Smooth Lined, and Patent Lined Galleys.

A satisfactory, simple, effective lock-up. It may be screwed on any galley; the side-stick (which is not beveled) is attached to the lock-up, and has a parallel motion. It is locked or unlocked by pushing the lever up or down by means of a finger knob. The lock-up and the side-stick are made of brass.

*COLUMN GALLEYS, WITH LOCK-UP.

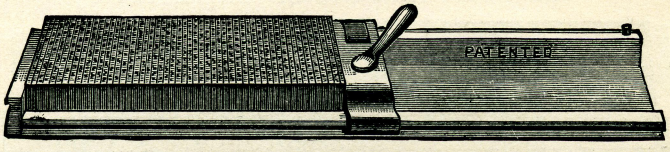
	Price of Galley.	*Price of Lock-up.	Complete.
3¾×23¾ inches inside	$2 00	$1 50	$3 50
3¾×15¾ inches inside	1 75	1 40	3 15
3¾×11¾ inches inside	1 50	1 30	2 80
5 ×23¾ inches inside	2 25	1 50	3 75
6¼×23¾ inches inside	2 50	1 50	4 00
6¼×15¾ inches inside	2 25	1 40	3 65
6¼×11¾ inches inside	2 00	1 30	3 30
8¼×23¾ inches inside	3 25	1 50	4 75

*JOB GALLEYS, WITH LOCK-UP.

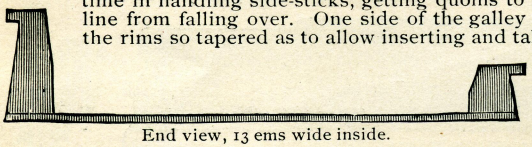
	Price of Galley.	*Price of Lock-up.	Complete.
6 ×10 inches inside	$1 50	$1 25	$2 75
8¾×13 inches inside	2 00	1 30	3 30
9 ×14 inches inside	2 50	1 35	3 85
10 ×16 inches inside	3 00	1 40	4 40
12 ×18 inches inside	3 75	1 45	5 20
14 ×21 inches inside	4 50	1 50	6 00
15 ×22 inches inside	5 00	1 50	6 50
18 ×25 inches inside	6 00	1 60	7 60

*If Galley Lock-up is sold separately, the necessary screws for attaching to galley are included in prices given.

PATENT LINOTYPE GALLEY.



This new patent galley is made solely for linotypes, and is the only galley for holding linotype slugs without any side lock-up. A foot clamp is attached to each galley to hold up the matter in taking proofs. This galley will save all the trouble and the loss of time in handling side-sticks, getting quoins to fit, or foot slugs to keep the end line from falling over. One side of the galley is made lower, and the inside of the rims so tapered as to allow inserting and taking out the linotype slugs from the side very readily. The galley being only one-half of an inch wider than the matter, is conveniently handled and can be placed on the stone, rack or case without taking up valuable space. On a crowded imposing table, in the rush of making-up, the saving of space is of great importance.



End view, 13 ems wide inside.

12 inch, all-brass News Galley, for 16 ems or under†	$2 00
16 inch, all-brass News Galley, for 16 ems or under	2 25
24 inch, all-brass News Galley, for 16 ems or under	2 50
Extra foot clamps, each	0 50

Other sizes made to order. Above prices include foot clamp.

† In ordering, give the measure of column width, as galleys are supplied to take one measure only, not exceeding 16 ems; also send a sample linotype slug.

UNLINED GALLEYS.

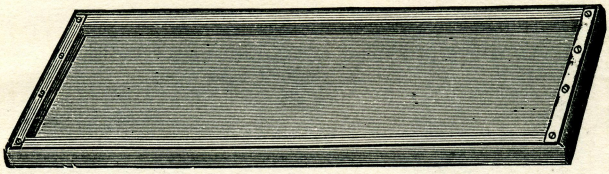
ZINC BOTTOM.

Single Column, 3½×23⅛ inches inside	$1 25
Double Column, 6¼×23⅛ inches inside	1 50

BRASS BOTTOM.

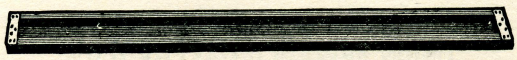
Single Column, 3½×23⅛ inches inside	$1 50
Double Column, 6¼×23⅛ inches inside	2 00

CLOSED-END MAILING GALLEYS.



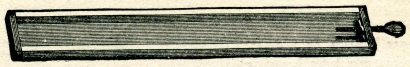
6¼×23½ inches inside, closed ends, all brass, each	$3 25
7¼×23½ inches inside, closed ends, all brass, each	3 50
6¼×22¼ inches inside, closed ends, brass lined, each	3 00
10 ×22¼ inches inside, closed ends, brass lined, each	4 00
2⅞×24 inches inside, closed ends, brass lined, each	2 25
6¼×22¼ closed ends, zinc bottom, unlined, each	1 50

MAILING GALLEYS.



Mustang Mailing Galley.

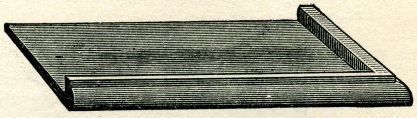
Mustang Mailing Galley, zinc bottom	$0 50
Mustang Mailing Galley, brass bottom	0 75



Rukenbrod Mailing Galley.

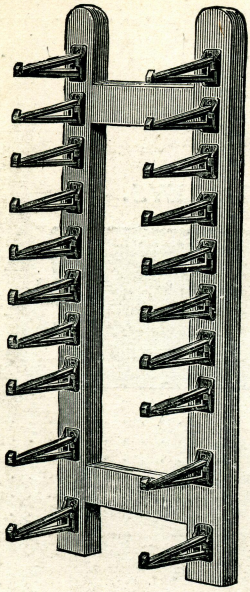
Rukenbrod Mailing Galley, zinc bottom	$0 60
Rukenbrod Mailing Galley, brass bottom	0 85

WOODEN GALLEYS.

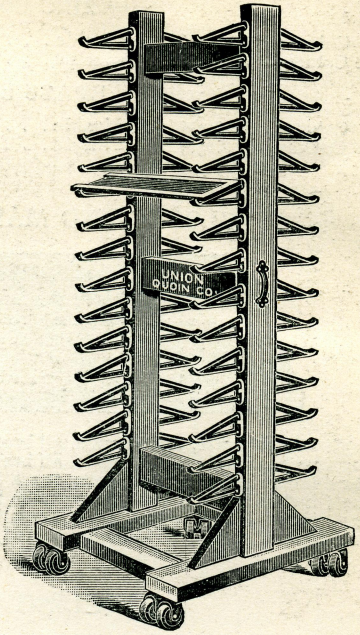


5 × 8 inches inside	$0 25	8 ×10 inches inside	$0 40
5 ×15 inches inside	0 30	8 ×24 inches inside	0 60
5½×18 inches inside	0 40	10 ×16 inches inside	0 65
6 ×10 inches inside	0 30	9 ×18 inches inside	0 70
6½×24 inches inside	0 60	10 ×24 inches inside	0 75
7 ×22 inches inside	0 55	3½×24 inches inside	0 50

MOVABLE GALLEY RACKS.



Regular Galley Rack with Movable Galley Brackets.



Union Movable Galley Rack.

UNION MOVABLE GALLEY RACK.

The Union Movable Galley Rack holds 30 galleys, and is mounted on strong casters so that it can be moved at will to the most convenient position for doing the work in hand.

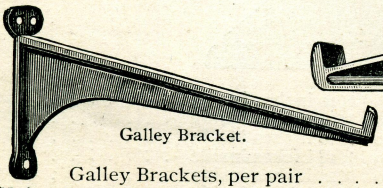
Union Movable Galley Rack, holds 30 galleys $21 00

REGULAR GALLEY RACK.

The Regular Galley Rack is intended for placing against the wall. The brackets are secured on a very strong hard-wood frame.

Regular Galley Rack, for 6 galleys . . . . . $ 3 00
Regular Galley Rack, for 8 galleys 4 00
Regular Galley Rack, for 10 galleys 5 00
Regular Galley Rack, for 12 galleys 6 00
Regular Galley Rack, for 15 galleys 7 50
Regular Galley Rack, for 20 galleys 10 00

GALLEY BRACKETS.

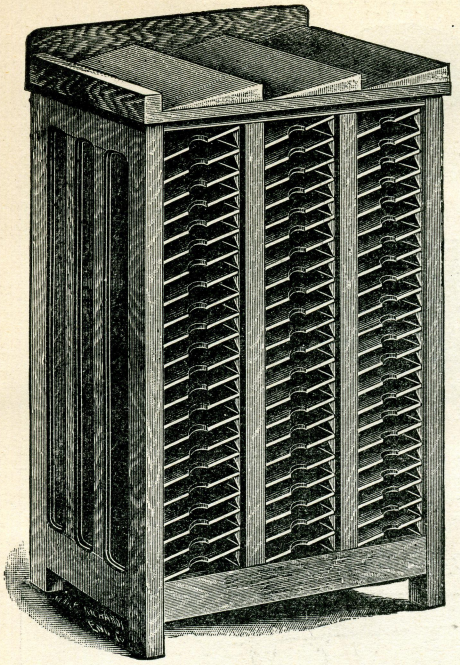


Galley Bracket.



Union Reversible Galley Bracket and Socket.

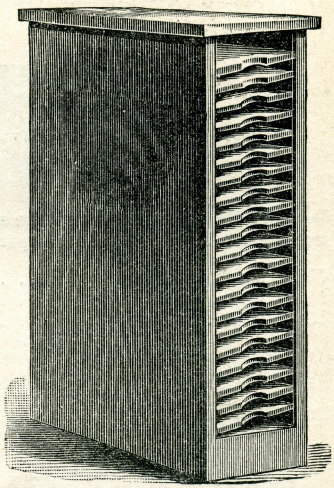
Galley Brackets, per pair $0 40
Union Reversible Galley Brackets, with sockets, per doz. pairs, $6 00; per pair . . 0 60



Three-tier Galley Cabinet with Galley Top, to hold Sixty-six Galleys.

GALLEY CABINETS.

Made in Hard Wood, Cherry Finish.



One-tier Flat-top Galley Cabinet, to hold Twenty Galleys.

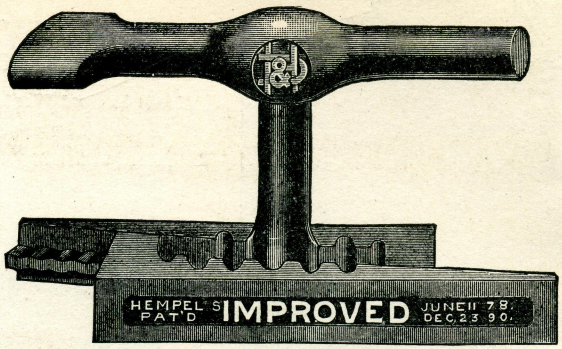
Particular attention is directed to the Galley Cabinets of larger capacity. They are very desirable in the larger offices, and are designed to carry an immense weight of type safely. All these Cabinets are made of hard wood. All Flat-top Cabinets are made same style as the One-tier Cabinet illustrated above. All Galley-top Cabinets same as the Three-tier Cabinet shown on this page.

The "Galley-top" Cabinets are of much stronger construction than the "Flat-top," and may be ordered with or without galley top, as desired, at the same prices.

	With Flat Top.	With Galley Top.	Boxing.
1 Tier to hold 20 Galleys	$ 8 00	$14 00	$0 50
1 Tier to hold 30 Galleys	11 50	. . .	0 75
2 Tier to hold 40 Galleys	15 00	25 00	1 00
2 Tier to hold 50 Galleys	18 50	. . .	1 25
2 Tier to hold 60 Galleys	22 00	. . .	1 50
3 Tier to hold 66 Galleys		36 00	2 00
4 Tier to hold 88 Galleys		47 50	2 50
6 Tier to hold 132 Galleys		62 00	3 00
9 Tier to hold 198 Galleys		85 00	4 00

NOTE.—The shelves in the larger cabinets should be numbered, and the proof of the galley should be numbered to correspond with the number on shelf, thus saving all the time required to locate galleys that are not so numbered. Iron number plates, made for numbering shelves, can be supplied at the following prices, net: 1 tier (20 galleys), $1 00; 1 tier (30 galleys), $1 25; 2 tiers (40 galleys), $1 50; 2 tiers (50 galleys), $1 75; 2 tiers (60 galleys), $2 00; 3 tiers, $2 25; 4 tiers, $3 00; 6 tiers, $4 00; 9 tiers, $5 00.

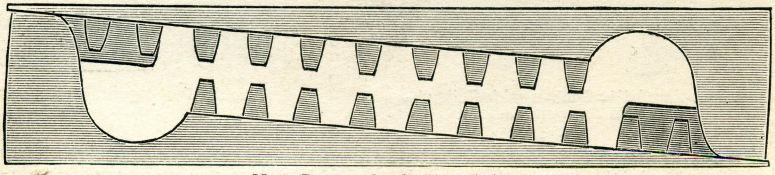
HEMPEL IMPROVED QUOIN.



The Hempel Quoins are the standard, tested by time and approved by those who use them. This is the latest improved quoin.

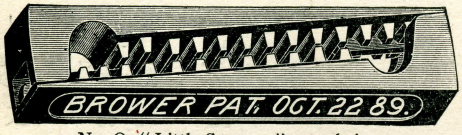
No. 1, small, per dozen pairs	$2 50
No. 2, large, per dozen pairs	3 00
Keys, each	0 50

IMPROVED BROWER QUOIN.



No. 2 Brower Quoin, actual size.

Has central racks, and consequently will not throw type off its feet. Works smoothly. The key, of steel, with cut teeth, has a firmer and deeper hold than in the old style quoin.



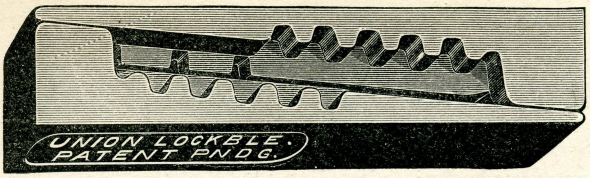
No. O. "Little Samson," actual size.

The No. O, as illustrated, is the smallest wedge quoin ever made, and will prove very valuable for job printers and on occasions when lock-up must be made in small spaces.

No. O, smallest wedge quoin made, "Little Samson," per dozen	$2 00
No. 1, medium size, per dozen	2 50
No. 2, large size, per dozen	3 00
Steel keys, all sizes, each	0 50

	Per Dozen.	Key.
WICKERSHAM QUOIN	$2 50	$0 50
PERRY QUOIN	2 50	0 50
CHALLENGE HEMPEL QUOIN, No. 1	2 50	0 50
CHALLENGE HEMPEL QUOIN, No. 2	3 00	0 50

UNION LOCKABLE QUOIN.



An exact duplicate of the original Hempel Quoin, with three notches cut in the central rib for the purpose of using the quoin in connection with the Patent Brower Lock, listed below.

No. 1, small, per dozen . . . . . $2 50 | No. 2, large, per dozen $3 00
Keys, each $0 50

BROWER QUOIN LOCK.

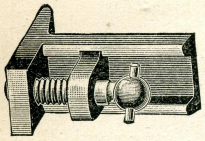


Fig. 2. The Lock.

The sidewise projection shown in Fig. 2 engages in notches cut in central rib of Union Lockable Quoin, or in the rack teeth of the Brower Quoin (see opposite page). The screw is then set up against the other half of the quoin, effectually preventing it from slipping. Quoins of the wedge principle are all liable on long runs to be loosened by the vibrations of the press. These locks make the lock-up doubly sure. They should be applied by the pressman after he has completed the make-ready and before the run is commenced.

No. 0, to fit No. 0 Brower Quoin, per dozen $2 50
No. 1, to fit No. 1 Brower Quoin, per dozen 2 75
No. 2, to fit No. 2 Brower Quoin, per dozen 3 00
No. 3, to fit No. 1 Union Lockable Quoin, per dozen 2 75
No. 4, to fit No. 2 Union Lockable Quoin, per dozen 3 00
Screw-driver, to fasten quoin lock, each 50

MIDGET SAFETY QUOIN.

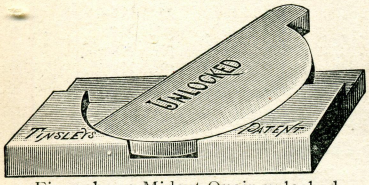


Fig. 3 shows Midget Quoin unlocked.

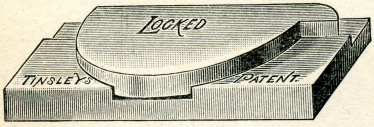


Fig. 2. This cut shows extreme expansion of six points when locked.

Midget Quoins are made of hard brass.
Midget Quoins give a safe lock-up in a width of 18 points.
Midget Quoins are useful for locking a form within a form.

It is locked by a tap of a mallet, and occupies no more space in length when locked than when unlocked.
Can be used in a space 18 points wide by 120 points long, either outside or inside a form. It is absolutely safe, as when locked it rests against its corresponding flat surfaces, and the harder the surface it bears against the better.
This invaluable quoin may be used to lock up matter inside a brass circle, or oval, or within a solid border, or in places where no other quoin of wood or metal can be used.
Fig. 1 illustrates how this quoin is used in a mortised cut.

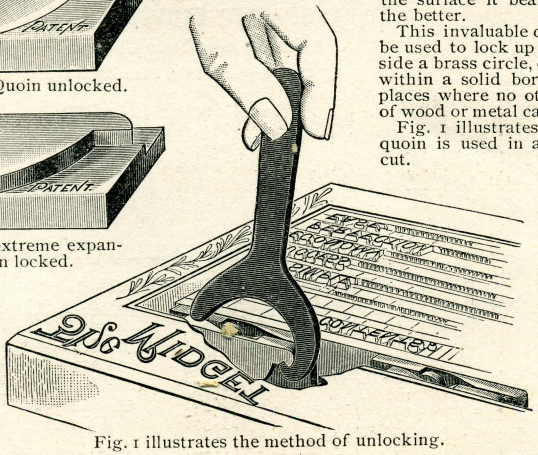


Fig. 1 illustrates the method of unlocking.

Price, per dozen, with key, net $2 00

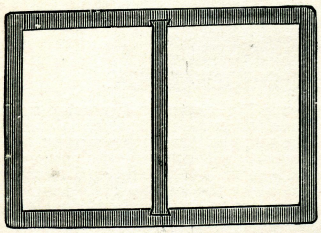
WROUGHT IRON CHASES.

These Chases are Unexcelled for Accuracy, Squareness and Strength. The Corners are Welded by Electricity.

IMPORTANT.—Other sizes made at approximate prices. In ordering, great care must be exercised to send the correct measurements, as all chases are made to order and cannot be taken back. In ordering, state (1) kind of chase required; (2) inside dimensions of each chase; (3) outside dimensions of each chase, or, in case of twin chases, the pair taken together; (4) if twin chases, give width of backs; (5) width of cross-bars (if any).

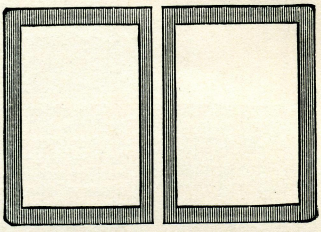
Nos. 1 to 3 are made of 1-inch iron, Nos. 4 to 6½ of 1⅛-inch iron, and Nos. 7 to 9 of 1¼-inch iron.

NEWS CHASES.



No.	Size, Over All.	Size Each, Inside.	Price, Each.
1	17 × 20⅞	15 × 18⅞	$5 50
2	20 × 24⅞	18 × 22⅞	6 00
3	24 × 28⅞	22 × 26⅞	6 75
4	26 × 33⅞	23¾ × 31⅝	7 50
4½	27 × 39	24¾ × 36¾	8 00
5	29 × 41⅞	26¾ × 39⅝	8 50
5½	30 × 44	27¾ × 41¾	9 00
6	32 × 46¾	29¾ × 44½	9 50
6½	33½ × 48¾	31¼ × 46½	10 00
7	35 × 50¾	32½ × 48¼	10 50
8	38 × 54¾	35½ × 52¼	11 50
9	41 × 59¾	38½ × 57¼	12 50

PAIR TWIN CHASES.



No.	Size of Pair, Over All.	Size Each Half, Inside.	Price, per Pair.
1	17 × 20⅞	15 × 8⅝	$8 00
2	20 × 24⅞	18 × 10⅝	9 25
3	24 × 28⅞	22 × 12⅝	10 50
4	26 × 33⅞	23¾ × 15	11 75
4½	27 × 39	24¾ × 17⅝	12 50
5	29 × 41⅞	26¾ × 19	13 25
5½	30 × 44	27¾ × 20⅛	14 00
6	32 × 46¾	29¾ × 21½	14 75
6½	33½ × 48¾	31¼ × 22½	15 50
7	35 × 50¾	32½ × 23¼	16 25
8	38 × 54¾	35½ × 25¼	17 50
9	41 × 59¾	38½ × 27¾	18 75

*NEWSPAPER CHASES, FOLIO.

Same Style as Twin Chases.

	Size of Pair, Over All.	Size Each Half, Inside.	Width of Backs.	Size of Iron.	Price, per Pair.
5-Column	22¼ × 29⅜	12¾ × 20	13/16	1⅛ × ⅝	$10 00
6-Column	24 × 33⅞	15 × 21¾	13/16	1⅛ × ⅝	11 00
7-Column	26 × 38⅞	17½ × 23¾	13/16	1⅛ × ⅝	12 00
8-Column	28¼ × 43⅝	19¾ × 25¾	13/16	1¼ × ⅝	13 25
9-Column	30¼ × 48⅞	22 × 27¾	15/16	1¼ × ⅝	14 50
Paper 24×36	26¼ × 39⅞	18 × 24	13/16	1⅛ × ⅝	12 25

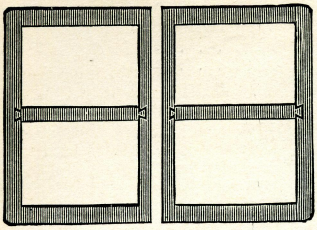
*NEWSPAPER CHASES, QUARTO.

Same Style as Twin Chases with Bars.

	Size of Pair. Over All.	Size Each Half, Inside.	Width of Backs.	Size of Iron.	Price, per Pair.
4-Column	24¼ × 35⅞	16 × 22	13/16	1⅛ × ⅝	$14 50
5-Column	29½ × 44⅛	20 × 27	13/16	1¼ × ⅝	16 50
6-Column	34 × 47⅝	21¾ × 31½	13/16	1¼ × ⅝	18 00
7-Column	39 × 52⅛	23¾ × 36¼	15/16	1⅜ × ⅝	20 00
8-Column	43½ × 56⅛	25¾ × 40¾	15/16	1⅜ × ⅝	22 00

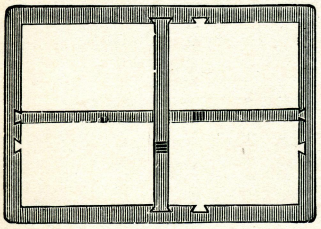
*These measures are for columns 13 ems Pica and 7-Point column rules, except for 9-column paper, when 8-Point column rules are used, allowing 1¾ inches for lock-up.

PAIR TWIN CHASES, WITH BARS.



No.	Size of Pair, Over All.	Size Each Half, Inside.	Price, per Pair.
1	17 × 20⅞	15 × 8⅝	$11 25
2	20 × 24⅞	18 × 10⅝	12 50
3	24 × 28⅞	22 × 12⅝	13 75
4	26 × 33⅞	23¾ × 15	15 00
4½	27 × 39	24¾ × 17⅝	15 75
5	29 × 41⅞	26¾ × 19	16 50
5½	30 × 44	27¾ × 20⅛	17 25
6	32 × 46¾	29¾ × 21½	18 00
6½	33½ × 48¾	31¼ × 22½	18 75
7	35 × 50¾	32½ × 23¼	20 00
8	38 × 54¾	35½ × 25¼	21 25
9	41 × 59¾	38½ × 27¾	22 50

BOOK OR SHIFTING BAR CHASES.



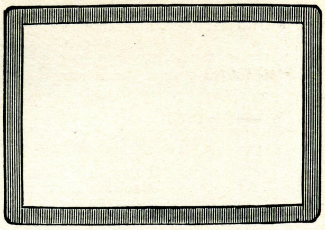
No.	Size, Over All.	Size Each, Inside.	Price, Each.
1	17 × 20⅞	15 × 18⅞	$7 50
2	20 × 24⅞	18 × 22⅞	8 25
3	24 × 28⅞	22 × 26⅞	9 00
4	26 × 33⅞	23¾ × 31⅝	10 00
4½	27 × 39	24¾ × 36¾	10 50
5	29 × 41⅞	26¾ × 39⅝	11 00
5½	30 × 44	27¾ × 41¾	11 50
6	32 × 46¾	29¾ × 44½	12 00
6½	33½ × 48¾	31¼ × 46½	12 50
7	35 × 50¾	32½ × 48¼	13 00
8	38 × 54¾	35½ × 52¼	14 00
9	41 × 59¾	38½ × 57¼	15 00

WROUGHT IRON CHASES FOR JOB PRESSES.

Made to Order Only.

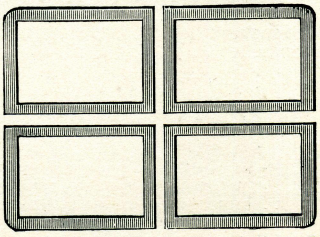
Eighth Medium, each	$3 75
Quarter Medium, each	4 50
Half Medium, each	5 50
Half Super Royal, each	7 25

SKELETON CHASES.



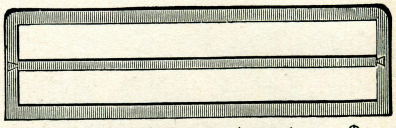
No.	Size, Over All.	Size Each, Inside.	Price, Each.
1	17 × 20⅞	15 × 18⅞	$4 50
2	20 × 24⅞	18 × 22⅞	5 00
3	24 × 28⅞	22 × 26⅞	5 75
4	26 × 33⅞	23¾ × 31⅝	6 50
4½	27 × 39	24¾ × 36¾	7 00
5	29 × 41⅞	26¾ × 39⅝	7 25
5½	30 × 44	27¾ × 41¾	7 75
6	32 × 46¾	29¾ × 44½	8 00
6½	33½ × 48¾	31¼ × 46½	8 50
7	35 × 50¾	32½ × 48¼	9 00
8	38 × 54¾	35½ × 52¼	10 00
9	41 × 59¾	38½ × 57¼	11 00

QUADRUPLE CHASES.



	Size Each Chase, Outside.	Size Each Chase, Inside.	Price per Set of Four
5-Col.	14 11/16 × 21 15/16	12¾ × 20	$19 00
6-Col.	16 15/16 × 23 11/16	15 × 21¾	21 00
7-Col.	19½ × 25¾	17½ × 23¾	23 00

HEADING CHASES, WITH CROSS BAR.



8×17 in. inside (Flat Cap), each	$5 50
8×24 in. inside (Demi), each	6 00
8×28 in. inside (Double Cap), each	6 50

IRON SIDE AND FOOT STICKS.

Straight, per inch	$0 04
Beveled, per inch	0 05

Side and Foot Sticks are made, unless otherwise ordered, 1½ inches shorter than inside measurement of the chase.

ELECTROTYPE CHASES.

Inside.	Rim.	Cast Iron.	Wrought Iron.
10×14	¾×1¾	$1 75	$3 50
12×18	¾×1¾	2 00	4 00

CAST IRON CHASES.

Size, Inside.	Price, Each.	Size, Inside.	Price, Each.	Size, Inside.	Price, Each.
4× 5	$0 42	6×30	$1 12	10×31	$1 40
4×24	1 05	8×21	1 05	12×14	1 12
5× 7	0 60	8×32	1 20	12×17	1 20
5×16	0 82	8×40	1 95	12×20	1 30
5×28	1 12	9×12	1 05	12×24	1 35
6×43	1 87	9×18	1 20	12×30	1 40
6× 8	0 60	9×25	1 35	14×22	1 35
6×12	0 82	10×14	1 12	14×26	1 40
6×20	1 05	10×18	1 20	16×28	1 75
6×24	1 05	10×22	1 27	18×24	1 80

CHASES FOR C. & P. GORDON PRESSES.

Size.	Cast Iron.	Cast Iron Screw.	Steel.	Steel Screw.
7 ×11 inches	$1 00	$1 50	$2 70	$4 00
8 ×12 inches	1 25	1 90	3 00	4 50
10 ×15 inches	1 50	2 25	4 50	6 75
12 ×18 inches	2 00	3 00	5 25	8 00
14 ×20 inches	2 50	3 75	5 75	8 50
14½×22 inches	3 00	4 50	6 00	9 00

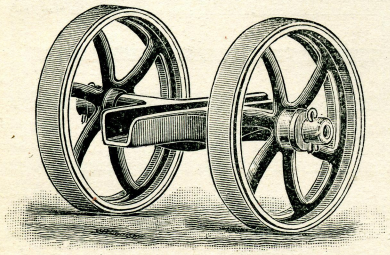
CHASES FOR GALLY UNIVERSAL PRESSES.

	For 10×15 Press.	For 13×19 Press.	For 14×22 Press.
Cast iron	$2 00	$2 25	$2 75
Wrought iron	5 50	6 50	7 25
*Steel skeleton	5 50	6 50	7 25

* Steel skeleton chases give more lock-up room, but do not add to printing capacity of press.

CHASES FOR PEERLESS PRESSES.

	For 8×12 Press.	For 9×13 Press.	For 10×15 Press.	For 11×17 Press.	For 14×20 Press.	For 14½×22 Press.
Cast iron	$1 50	$1 50	$2 00	$2 00	$2 75	$3 00

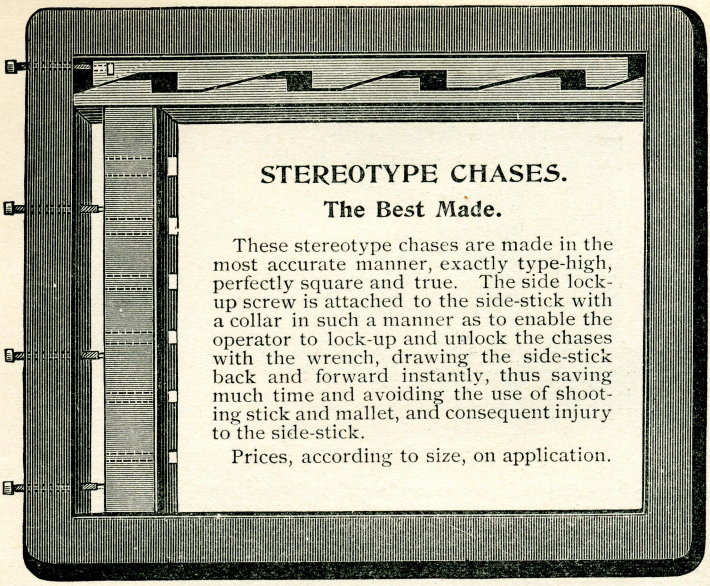


FORM TRUCK.

Both the Form Trucks listed below are of malleable iron. The Union Form Truck is painted red.

The use of a form truck should be insisted on in every press room of any size, not only because it is a time saver, but because sliding chases along the floor is a source of frequent accidents.

Iron tire	$3 00
Union Form Truck, with rubber tire	5 00



STEREOTYPE CHASES.

The Best Made.

These stereotype chases are made in the most accurate manner, exactly type-high, perfectly square and true. The side lock-up screw is attached to the side-stick with a collar in such a manner as to enable the operator to lock-up and unlock the chases with the wrench, drawing the side-stick back and forward instantly, thus saving much time and avoiding the use of shooting stick and mallet, and consequent injury to the side-stick.

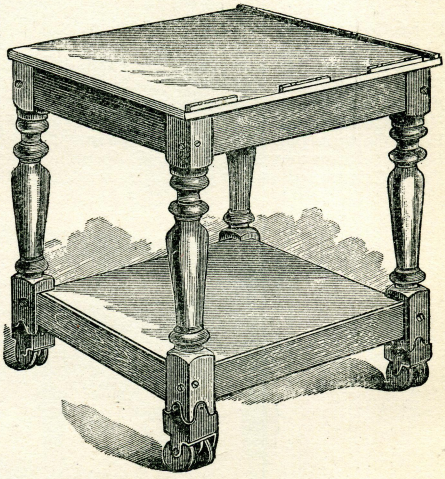
Prices, according to size, on application.

Lock-up Wrenches for Stereotype Chases . . . . . Price, $2 50

MAKE-UP TABLES.

These tables are used for making-up and carrying forms either to the beating table or matrix-rolling machine (or elevator, if the stereotype room is not on the same floor with the composing room), and are very substantially built of hard wood with patent double-roller revolving casters. The iron top is either smoothed off or covered with brass—the latter being preferred by the leading newspaper offices.

Size of Matter.	Price, Iron Top.	Price, Top Covered with Brass.
15×20 inches . .	$40 00	$50 00
18×24 inches . .	50 00	60 00
21×28 inches . .	55 00	65 00
24×32 inches . .	65 00	75 00

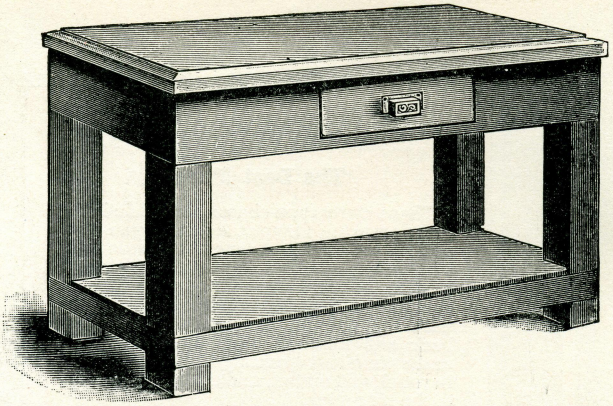


IRON-TOP BEATING TABLES.

For Paper Process.

Size of Matter.	Price, Fixed Top.	Price, Elevating Top.	Size of Matter.	Price, Fixed Top.	Price, Elevating Top.
15×20 inches	$40 00	$75 00	21×28 inches	$55 00	$105 00
18×24 inches	50 00	95 00	24×32 inches	65 00	125 00

IMPOSING TABLES AND MARBLE STONES.

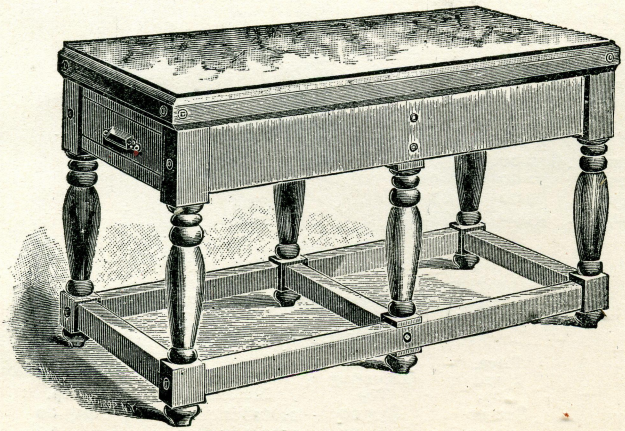


Square-leg Imposing Table.

Square-leg imposing tables are made of hard wood, varnished and bolted together. Round-leg imposing tables are made of hard wood, cherry finish, and are bolted together. Tables over six feet in length have six legs (see illustration below). The larger tables have two drawers, one at each end, and the smaller one drawer, which pulls out both sides.

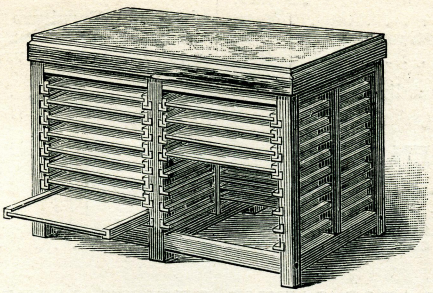
A "coffin" is a hard wood frame which serves as a bed for the stone, protects its edges, and affords a rest for galleys when used for sliding off matter.

	Imposing Stone only.	Imposing Stone in Coffin.	Round-leg Table and Stone.	Square-leg Table and Stone.
For 6-Column paper, 2 pages 24×36 in. . .	$ 6 00	$ 7 75	$18 75	$15 00
For 7-Column paper, 2 pages 26×44 in. . .	8 00	10 00	22 00	18 00
For 8-Column paper, 2 pages 28×50 in. . .	10 00	12 50	26 50	21 50
For 9-Column paper, 2 pages 32×60 in. . .	12 50	15 50	30 00	25 50
For 7-Column paper, 4 pages 26×76 in. . .	13 75	17 25	32 25	27 00
For 8-Column paper, 4 pages 28×80 in. . .	15 50	19 50	37 00	32 00
For 9-Column paper, 4 pages 30×90 in. . .	18 75	23 50	43 50	38 00
For 6-Column quarto, 4 pages 36×60 in. . .	15 00	18 50	37 00	32 00
For 7-Column quarto, 4 pages 48×60 in. . .	20 00	25 00	45 50	40 00



Round-leg Imposing Table.

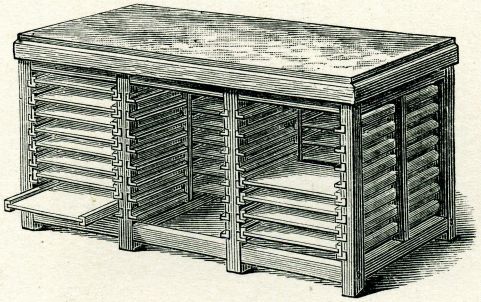
IMPOSING TABLES WITH LETTER BOARDS.



No. 9. With 36×60-inch Marble Top; has thirty-two Letter Boards, each 17½×26 inches inside.

No better disposition of the space underneath an imposing table can be made than to use it for letter boards. If the type is dead, it is shifted from the stone to the board without loss of time; if the matter is alive, it is handy for imposition.

These tables are made in the most substantial manner, of hard wood, varnished, and strongly and firmly bolted together. The boards are made of hard wood, closed at sides and back, and are rabbeted in front to receive galley when sliding off type.



No. 10. With 40×80-inch Marble Top; has 48 Letter Boards, each 19½×22½ inches inside.

Prices with Hard Marble Stones.

	Number of Boards.	Size of Stone.	Size of Boards.	Without Boards.	Boards each.	Complete with Boards.
No. 2	10	24×36	22 ×32			$40 00
No. 3	10	32×48	30 ×44			60 00
No. 9	32	36×60	17½×26	$42 50	$1 00	72 50
No. 10	48	40×80	19½×22½	55 00	0 90	95 50

IRON IMPOSING SURFACES

Supplied any size to order . . . . . 2½ cents per square inch.

MARBLE INK SLABS.

8×12 inches . . . . . $1 25 | 18×24 inches $3 75
12×18 inches $2 00

WOOD FURNITURE, REGLET AND SIDE-STICKS.

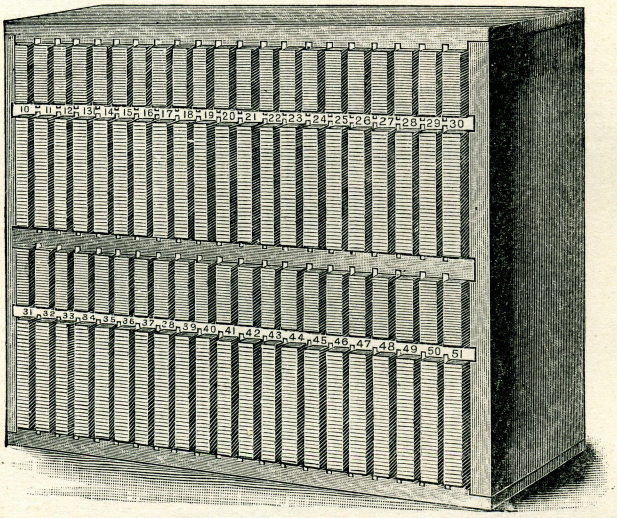
	Per yard.		Per yard.
Pearl to Pica Reglet	$0 02	6 to 9-line Furniture	$0 06
Gr. Primer Reglet to 2-line Furniture	0 03	10 to 12-line Furniture	0 08
3 to 5-line Furniture	0 04	13 to 16-line Furniture	0 10

SIDE-STICKS, thin, medium or thick . . . . . Per yard, $0 06

WOODEN QUOINS.

	Boxes of 100.	Burlap Bags of 500.	Burlap Bags of 1000.
Hickory	$0 40	$1 80	$3 50
Boxwood	0 60	2 70	5 25
Hickory, in barrels, containing about 7000, per 1000			3 25
Boxwood, in barrels, containing about 7000, per 1000			5 00

LABOR-SAVING REGLET CASES.



Reglet Case No. 4. 2100 pieces, $8 00.

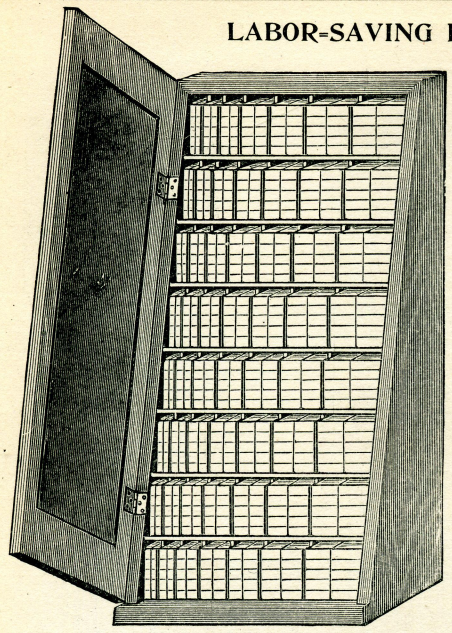
Nos. 3, 4, 5, 6 are made same style as above illustration. The reglet lies flat, and varies by ems up to 51 ems, and by 5 ems in longer lengths. Nos. 1 and 2 are square boxes, in which reglet is put in on end, and varies by 10 ems up to 60 ems, with 72 and 120 ems added in the No. 2 case. One-half the pieces in each case are Pica body; the other half, Nonpareil body.

Case.	No. of Pieces.	No. of Yards.	Lengths in Case.	Price.
No. 1	1800	300	10 to 60 ems.	$ 8 00
No. 2	2400	600	10 to 120 ems.	14 00
No. 3	4200	550	10 to 51 ems.	15 00
No. 4	2100	275	10 to 51 ems.	8 00
No. 5	6300	1500	10 to 150 ems.	38 00
No. 6	3150	750	10 to 150 ems.	20 00

LABOR-SAVING FURNITURE, WITHOUT CASES.

Half Font of 280 pieces, in a box	$2 75
Single Font of 560 pieces, in a box	5 00
Double Font of 1120 pieces, in a box	10 00

LABOR-SAVING FURNITURE.



No. 3. Single Case, with Partitions and Door.

This Labor-Saving Furniture is thoroughly oiled, and cut to the Point standard. Every piece has the size stamped on the end.

Cases are made *with* or *without* partitions. The usefulness of the font is doubled by having it in a case with partitions.

A single case contains 560 pieces, divided into 10 pieces, each 10, 15, 20, 25, 30, 40, 50 and 60 ems long by 2, 3, 4, 5, 6, 8 and 10 ems wide.

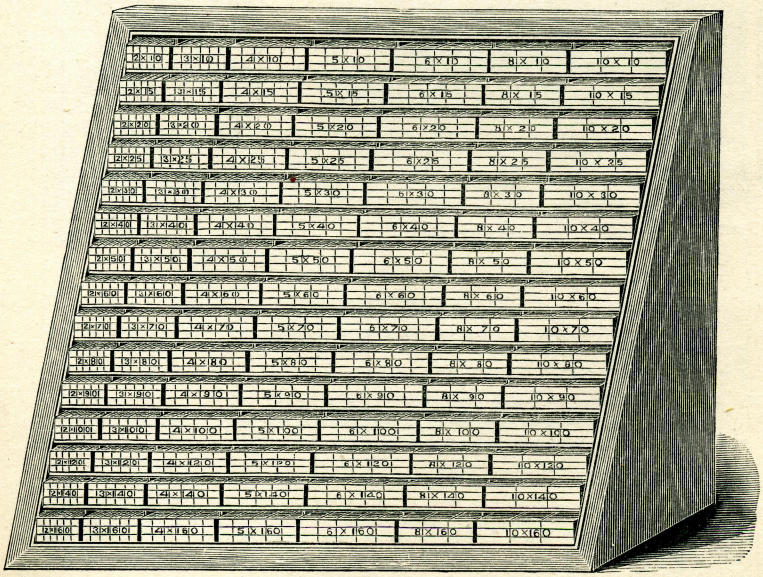
A Half Case contains half the number of pieces held in a Single Case.

THE No. 7 MAMMOTH CASE

Is especially designed for large offices, and contains the following assortment of selected furniture, from 10 to 160 ems long: 270 pieces each 2-line, 3-line and 4-line furniture; 225 pieces each 5-line and 6-line furniture; 135 pieces each 8-line and 10-line furniture—assorted in 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100, 120, 140 and 160 ems lengths. There is a larger proportion of the narrower and most-used sizes than of the wide furniture.

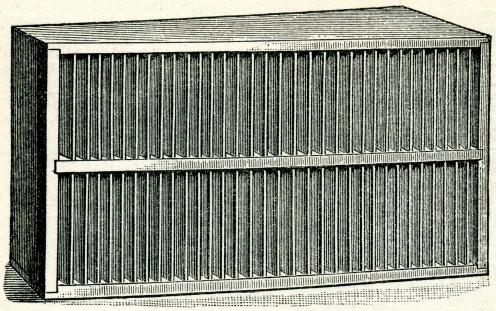
No. 1. Half Case contains 280 pieces, with partitions . . . . $ 6 00
No. 2. Half Case contains 280 pieces, without partitions . . 5 00
No. 3. Single Case contains 560 pieces, with partitions 10 00
No. 4. Single Case contains 560 pieces, without partitions . . 8 00
No. 5. Double Case contains 1120 pieces, with partitions . . 18 00
No. 6. Double Case contains 1120 pieces, without partitions 15 00

No. 7. Mammoth Case, designed for large offices, with partitions, no door (see description above) 40 00

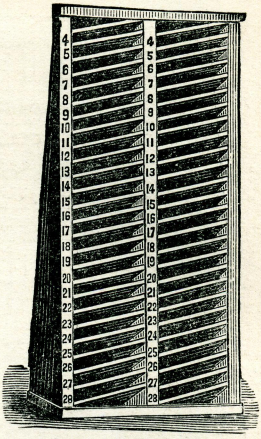


No. 7. Mammoth Labor-Saving Furniture Case.

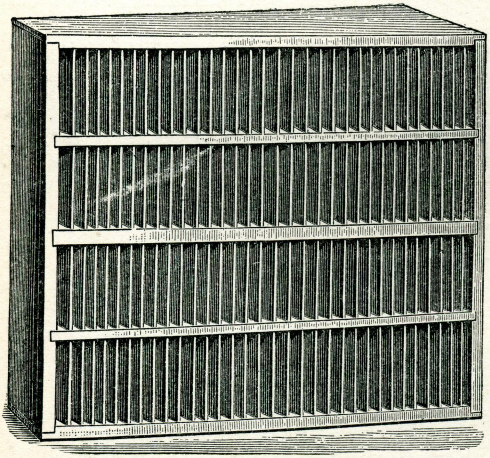
LABOR-SAVING LEAD RACKS.



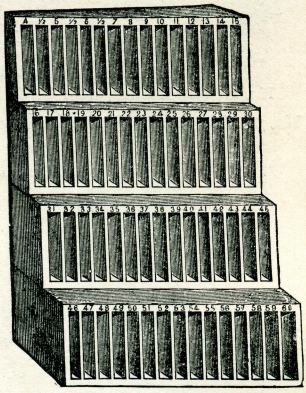
Two-tier Wisconsin Lead Rack; 4 to 12½ by ens, 13 to 60 by ems.



Eureka Lead Rack.



Four-tier Wisconsin Lead Rack; 4 to 12½ by ens, 13 to 60 by ems twice.



Boston Lead Rack.

Two-tier Wisconsin Lead Rack (see illustration above) $6 00

Takes leads from 4 to 12½ ems (varying by ens), and from 13 to 60 ems (varying by ems), the length being stamped over each compartment. Compartments are eight inches high. Will hold 750 pounds of leads and slugs.

Four-tier Wisconsin Lead Rack (see illustration above) 9 00

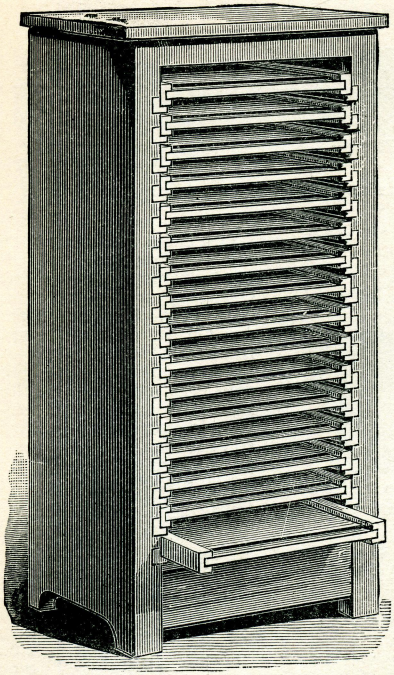
Has two compartments each for all sizes in the two-tier rack, and is similar in design and construction. Will hold 1500 pounds of leads and slugs.

Eureka Lead Rack (see illustration) 2 50

Boston Lead Rack, set of four (see illustration) 5 40

No. 1 Boston Lead Rack holds 4 to 15 ems lengths $0 90
No. 2 Boston Lead Rack holds 16 to 30 ems lengths 1 20
No. 3 Boston Lead Rack holds 31 to 45 ems lengths 1 50
No. 4 Boston Lead Rack holds 46 to 60 ems lengths 1 80

HANDY LETTER BOARD CABINETS.



Handy Letter Board Cabinet with Sixteen Boards.

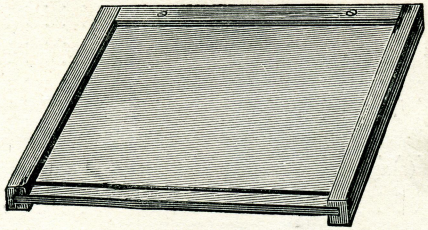
For the storage and safe keeping of job work these cabinets are unrivaled. Their cost will be saved in a few months by the prevention of pi. They occupy a floor space of 16×19 inches, with letter boards of 12×15 inches inside, and are made of hard wood throughout, in a solid and substantial manner. Boards are closed at sides and back, and are rabbeted in front to receive galleys. They are well-named "Handy." For job work within their size—and this the larger variety of such work—these small boards are much superior to the larger boards usually put under imposing tables, as it is a back-breaking job to get a form from these large boards when they are full of type.

It is distinctly an economy to place dead and live forms in such a receptacle as this, rather than to incumber useful space on an imposing stone, the type on which is always liable to damage. The protection they afford from dust is also worthy of consideration.

With 10 boards $10 50
With 12 boards 12 00
With 16 boards 15 00

Other sizes made to order at proportionate prices.

HARD-WOOD LETTER BOARDS, TO FIT CASE STANDS.



Made of selected stock, smooth and true, with closed sides and backs, rabbeted in front to allow matter to slide on galleys easily.

No. 1 fits two-third case stands; No. 2, three-quarter stands, and No. 3, full-size stands or racks.

No. 1, 21¾×20½ inches outside* $1 20
No. 1A, 21⅜×20½ inches outside* 1 20
No. 1B, 22⅜×20½ inches outside* 1 20
No. 2, 26¼×20½ inches outside 1 40
No. 3, 32¼×20½ inches outside 1 70

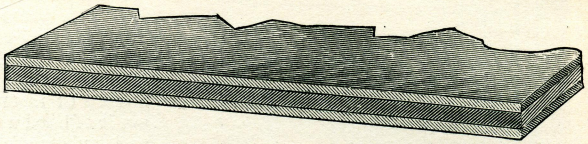
* There are three sizes of two-third cases in use. Be careful to order boards that will fit your stands.

For Imposing Tables with Letter Boards, see page 39.

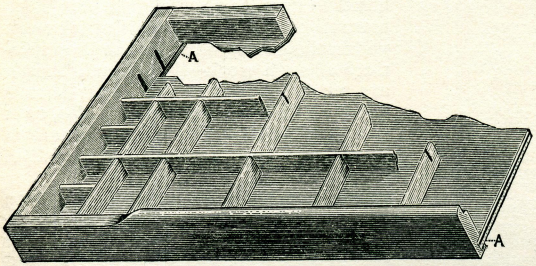
PRICE LIST OF CASES.

For illustrations of Cases, see pages 48 and 49.

PATENT NEW DEPARTURE TYPE CASES.



Shows three-ply case bottom, which will not warp nor crack.



Shows at AA how the three-ply bottoms are set into the front and side rails, so that the case slides on the rails instead of on the case bottoms.

Our cases all have patent "New Departure" three-ply bottoms, which prevent splitting, warping and shrinking. These bottoms are set into the side and front rails (see AA), so that the case slides on the side rails. As the grain of the side rails and of the case-runs in stands and cabinets run the same way, the cases slide much easier and with considerable less wear and tear.

FULL-SIZE CASES.

Size, 32¼ × 16 inches.

	Clasp Cases.	Ordinary Cases.
News Cases, per pair	$1 75	$1 60
Cap Case	0 88	0 80
German News Cases, per pair	. .	1 60
Italic or Job Case	1 00	0 90
California Job Case (see cut page 48)	1 00	0 90
Yankee Job Case (see cut page 49)	. .	1 00
Improved Job Case (see cut page 48)	. .	1 20
Paterson Job Case (see cut page 48)	. .	1 00
New York Job Case (see cut page 48)	. .	1 00
Triple Case	1 00	0 90
Double Lower Case (see cut page 48)	. .	1 20
Rule Case	. .	1 15
Space and Quad Case (see cut page 49)	. .	1 00
Lead and Slug Case	. .	1 00
Border Case	. .	1 25
Figure Case	. .	1 00
Metal Furniture Case (double depth), takes three layers of Furniture (see cut page 49)	. .	2 00
Metal Furniture Case (single depth), takes two layers of Furniture (see cut page 49)	. .	1 50
Blank Case	. .	0 65
Wood Type No. 1 or Script Case, with bars (see page 49)	. .	0 90

See also Special Wood-Type Cases listed on next page.

THREE-QUARTER CASES.

Size, 26¼ × 16 inches.

News Cases, per pair	$1 60	$1 50
Cap Case	0 85	0 75
Italic or Job Case	0 90	0 80
California Job Case (see cut page 48)	0 90	0 80
Yankee Job Case (see cut page 49)	. .	0 85
Triple Case	. .	0 80
Blank Case	. .	0 60

TWO-THIRD CASES.

CAUTION.— There are two widths of two-third cases in use. If cases are required to fit stands already in use it is necessary, when ordering, to state exact width required, otherwise we will send our standard width.

	Ordinary Cases.
New Cases, per pair	$1 40
Job Case (thirty-two cap boxes)	0 75
Yankee Job Case (twenty-eight cap boxes)	0 75
Lead and Slug Case	0 75
Brass Leader Case	0 75
Script Case	0 75
Improved Job Case (19¾ inches deep). Is deeper than the regular case, and has additional boxes for small caps	0 90
Border Case	0 90
Blank Case	0 45

ROOKER CASES.

A popular size for newspaper offices. Furnished to order only. Size, 28½×14 inches.

	Patent Clasps.
News Cases, per pair	$1 75
Italic or Job Case	1 00

SPECIAL CASES.

	Ordinary Cases.
Wood-Type Case No. 1 (16×32¼ inches)	$0 90
Wood-Type Case No. 2 (23×32¼ inches)	1 00
Mammoth Wood-Type Case No. 3 (23×44 inches)	1 30
Wisconsin Combination "Quarter" Cases, Nos. A, B, C, D, for holding piece fractions, signs, fractions, figures and borders (see cut page 46), each	0 65

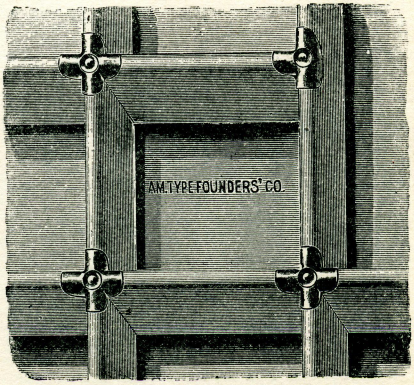
RULE CASES.

Regular Rule Case, full-size	$1 15
Regular Rule Case, two-third size (see note at top of page)	0 90
Compact Rule Case. Four of them fit in a full-size blank case (see page 47), each	0 90
*Harris Rule Case, No. 1, holds two 8-pound fonts	1 25
*Harris Rule Case, No. 2, holds one 16-pound font	1 00
*Harris Rule Case, No. 3, used together, hold one 32-pound font	1 00
*Harris Rule Case, No. 4, used together, hold one 32-pound font	1 00
Full-size Blank Case, to hold four Harris Rule Cases	0 65

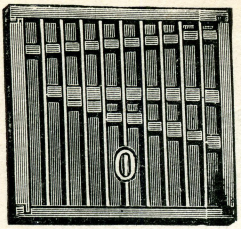
* See cut and description, page 47.

PATENT CLASP CASES.

These cases are of unusual strength, owing to the use of a brass clasp over the corner of each box and a long pin which is driven through center of each clasp and clinched, holding the partitions firmly to the bottom of the case. This feature, in combination with our "New Departure" case bottoms, makes these cases the strongest and most durable, especially for body type and in newspaper offices.



Section of Patent Clasp Case.



INDIVIDUAL LEAD OR RULE CASE.

In this a compositor may keep his much valued 12-to-Pica and other thicknesses of leads for justifying purposes, his pickups of dashes, rule, etc. The case can be kept in his drawer or on his galley rest. It has boxes from 1 to 9½ ems (varying by ens), from 10 to 22 ems (varying by ems), and from 22 to 28 ems (varying by two ems), with a long box for longer lengths. It is also useful for holding a small font of labor-saving brass rule.

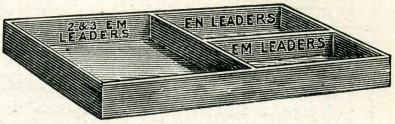
Each, 7×7½ inches over all $0 75

Four of them fit inside a Full-sized Blank Case.

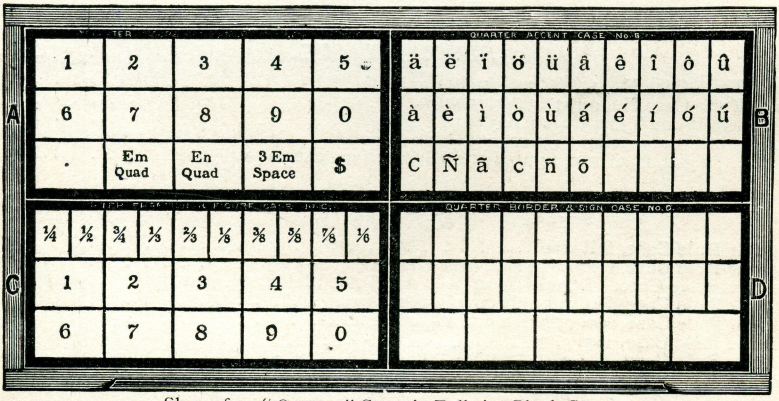
LEADER BOX.

The handiest receptacle for leaders. Can be put on a cap case, on a stone, or on a galley rest, bringing leaders close to hand. One or more required in every office for every size of body type used.

Each, 5×8×1¾ inches over all . . . $0 25
Per dozen 2 50

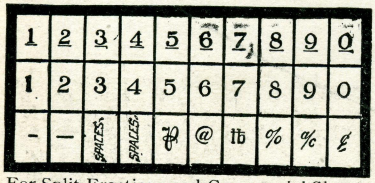


WISCONSIN COMBINATION "QUARTER" CASES.

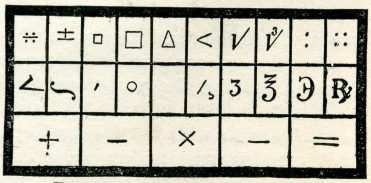


Shows four "Quarter" Cases in Full-size Blank Case.

Signs, Borders, Accents, Split Fractions, although most expensive, are usually stowed away in odd boxes of cap cases, and are rarely to be found when needed. "Quarter" Cases supply a means of keeping these valuable sorts where they can be found. They can be placed on a cap case, on a stand, or on the stone, convenient to hand of compositor. In setting mathematical work, foreign languages, dictionaries, and special catalogues, these "Quarter" Cases will prove invaluable. We show a few schemes for laying signs, fractions, etc., but various other uses for special purposes will suggest themselves to the "intelligent compositor."



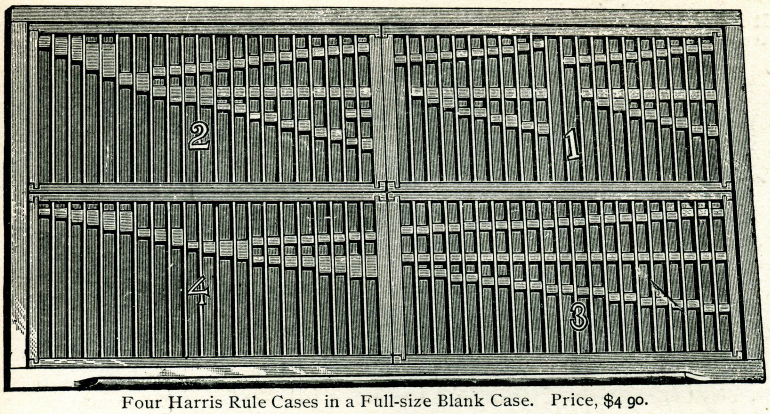
For Split Fractions and Commercial Signs.



For Algebraic and Medical Signs.

Quarter Case No. A, for Figures, etc. $0 65
Quarter Case No. B, for Accents, Split Fractions, etc. 0 65
Quarter Case No. C, for Figures, Fractions, etc. 0 65
Quarter Case No. D, for Signs, Borders, etc. 0 65
Per set of four, in regular Full-size Blank Case 3 25

HARRIS RULE CASES.



Four Harris Rule Cases in a Full-size Blank Case. Price, $4 90.

In HARRIS RULE CASES the rule cannot fall flat—must always stay on end. Pi is prevented, because each box is accurately adjusted for its special size—for instance, a 21-em rule will not go into the 20-em rule box. Generous provision is made for the smaller sizes—the most valuable sizes in a labor-saving font. The cases may be used in sets or separately, as Nos. 1 and 2 are complete in themselves. Four of them fit into a full-size blank case.

The rule referred to below is 2-Point, which is the most used.

No. 1 Harris Rule Case holds two complete small fonts of Labor Saving Rule, each weighing 8 pounds, or 16 pounds in all. Each half of this case holds eighteen pieces each length from 1 to 8½ ems (varying by ens), and eighteen pieces each from 9 to 18 ems (varying by ems) and nine pieces each 19, 20, 21, 22, 24, 26 and 28 ems, besides boxes for right and left miters.

No. 2 Harris Rule Case holds one complete font of 16 pounds weight or less. It has compartments for thirty-six pieces each from 1 to 9 ems long (varying by ens), eighteen pieces each from 10 to 24 ems long (varying by ems), and eighteen pieces each of 26, 28, 30, 32, 34, 36 ems long, besides boxes for right and left miters. A large proportion of small lengths allowed for.

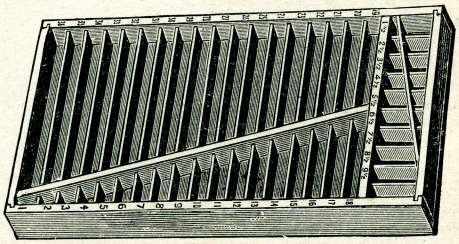
Nos. 3 and 4 Harris Rule Cases are designed to be used together to hold a font of rule suitable for a large office, weighing 32 pounds or less. Two and in some cases four boxes are used to hold the most-used sizes. Each case has its proportion of the small sizes, so that if it is desired to carry one case to a compositor's stand for use in rule work, the other is available in its regular place with a good working font. These cases have compartments for seventy-two pieces each from 1 to 9 ems long (varying by ens), thirty-six pieces each from 10 to 24 ems long (varying by ems), and eighteen pieces each from 25 to 36 ems long (varying by ems), and boxes for right and left miters.

Harris Rule Case No. 1, holds two 8-pound fonts $1 25
Harris Rule Case No. 2, holds one 16-pound font 1 00
Harris Rule Case No. 3, } used together, hold one 32-pound font { 1 00
Harris Rule Case No. 4, } 1 00
Full-size Blank Case, to hold four of above 0 65

COMPACT RULE CASE.

Has compartments for brass rule from 1 to 36 ems Pica, and from 1½ to 9½ ems Pica, with places for miters. Size outside, 7⅜ × 15¼ inches. Four fit in a full-size blank case. For Full-size Rule Cases see page 45.

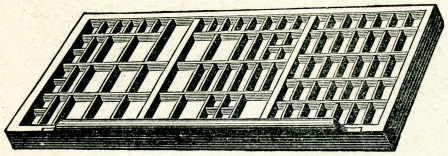
Price $0 90



ILLUSTRATIONS OF CASES.

It is unnecessary to illustrate the most-used styles of cases. Nearly all the cases illustrated here have exceptional merit.

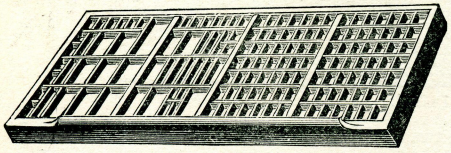
CALIFORNIA JOB CASE.



Has fourteen boxes less on cap side than the regular Italic Job Case, thus giving more space for the cap alphabet. A more satisfactory case for the ordinary job font than the Italic Job Case, especially in three-quarter size.

Full-size $0 90
Three-quarter 0 80

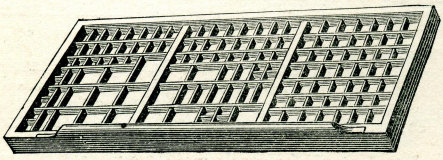
IMPROVED JOB CASE.



Holds caps, small caps, lower case and figures, or a cap and lower-case font (with figures) and an extra cap font. Will also hold three cap fonts, all with figures. Made full-size only.

Price $1 20

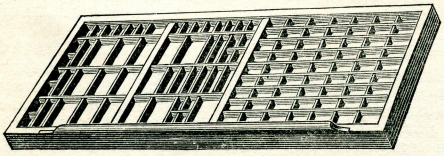
NEW YORK JOB CASE.



Holds caps, small caps, lower case and figures. The small caps are placed on the same side as the lower-case boxes, and above them. The lower-case boxes are therefore smaller than in a California Job Case. Made full-size only.

Price $1 00

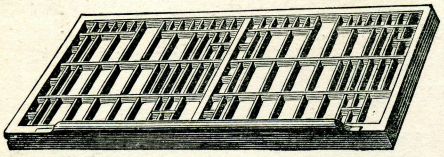
PATERSON JOB CASE.



Holds caps, small caps, lower case and figures. The small caps are placed above the cap boxes, all of which are widened, thereby reducing the sizes of the lower-case boxes. A very useful case. Made full-size only.

Price $1 00

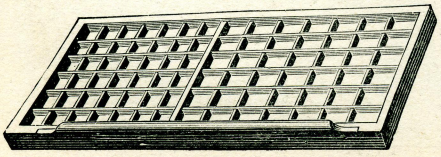
DOUBLE LOWER CASE.



A most useful case. In most job fonts the caps occupy as much space as the lower case, while ordinary job cases give the caps one-half the room allotted the lower-case. In this case the space is divided equally between the caps and lower case. Made full-size only.

Price $1 20

ROOKER CAP CASE.



Made only in Rooker size (28¼x14¼). Gives more space for caps and less for small caps than the regular cap case. Rooker cases are two inches narrower than ordinary cases, and cannot be used on the same stands.

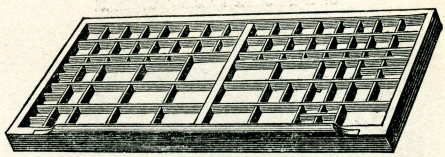
Price $0 88

ILLUSTRATIONS OF CASES.

YANKEE JOB CASE.

In two-third size this case is a necessity, but in full- and three-quarter sizes it is inferior in utility to other job cases.

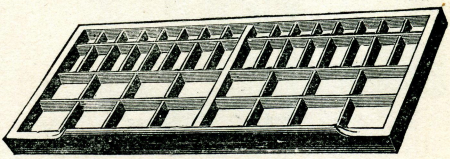
Full-size $1 00
Three-quarter 0 85
Two-thirds 0 75



SPACE AND QUAD CASE.

This is an absolutely essential case in offices where economy of time and material is a consideration. Each case holds eight sizes of spaces and quads. Made full-size only.

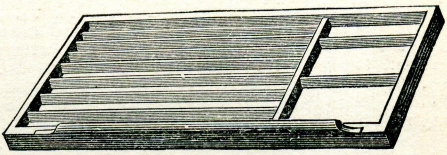
Price $1 00



METAL FURNITURE CASE.

A handy receptacle for metal furniture. There are compartments for 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25 and 50 ems. The double-depth case takes three layers of furniture; the single-depth case takes two layers. The latter can be put in a full-size case stand or rack, and the double-depth case is for use on top of a stand or cabinet, or a special place can be made for it under the stone. Made full-size only.

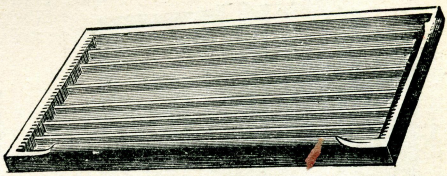
Double-depth $2 00
Single-depth 1 50



SCRIPT OR WOOD-TYPE CASE.

Although mostly sold for wood type, these cases are made so accurately as to be suitable for large Script fonts. The movable partitions are adjustable by Picas. Nothing injures expensive Script type so much as tumbling about in a case. The use of Script cases will save type. Made in full- and two-third sizes.

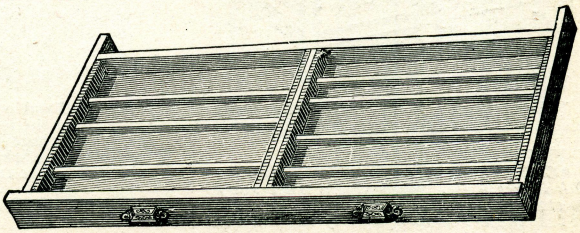
Full-size $0 90
Two-third size 0 75



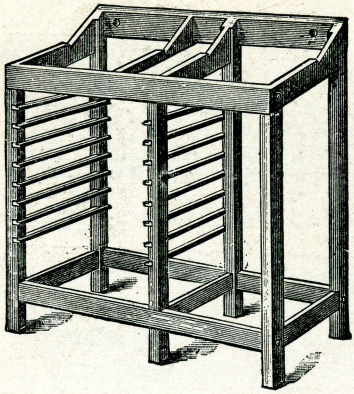
MAMMOTH WOOD-TYPE CASE.

No. 3 (Mammoth) Wood-Type Case, 23×44 inches, with slotted sides. For special rack to hold this size case, see page 51. There are two more sizes of Wood-Type Cases made. For prices see page 45.

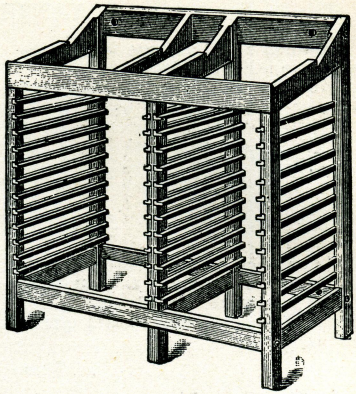
Price of No. 3 Wood-Type Case . . . $1 30



CASE STANDS.



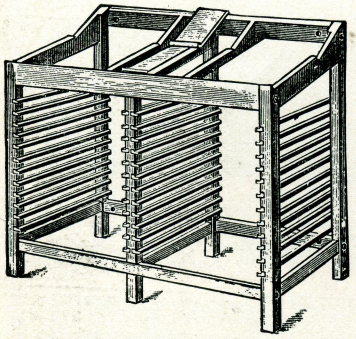
No. 6. Double News Stand, with Eight Racks.



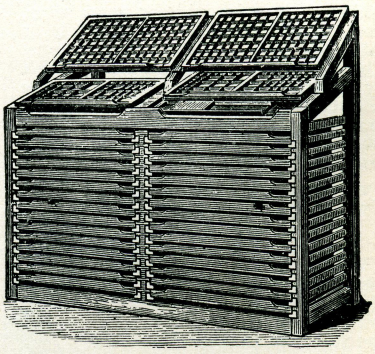
No. 11. Double Job Stand, with Racks for Twelve Full-size and Twelve Two-third Cases.

PRICE LIST OF CASE STANDS.

No. 1.	Single, without racks	$2 75
No. 2.*	Single, with racks for 12 two-third cases	3 00
No. 2½	Single, with racks for 12 three-quarter cases	3 00
No. 4.	Single, with racks for 12 full-size cases	3 25
No. 6.	Double News, with racks for 8 full-size cases (see illustration)	3 75
No. 8.	Double News, with racks for 12 full-size cases	4 75
No. 11.*	Double Job Stand, with racks for 12 full-size and 12 two-third cases (see illustration)	5 50
No. 12.	Double Job Stand, with racks for 12 full-size and 12 three-quarter cases	5 75
No. 15.	Double Stand, with Galley Rest and racks for 24 full-size cases (see illustration)	6 00
No. 17.	Double City Stand, with racks for 30 full-size cases (see illustration)	9 50



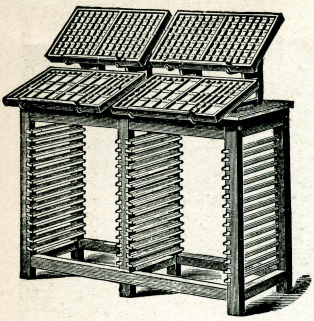
No. 15. Double Stand, with Galley Rest, and Racks for Twenty-four Full-size Cases.



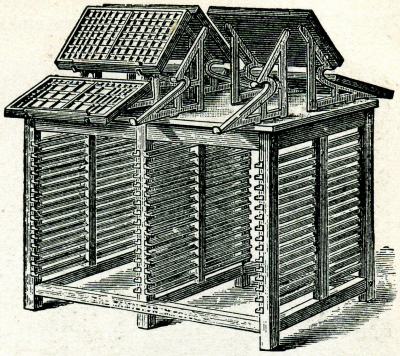
No. 17. Double City Stand. The upper cases project over the lower, bringing the caps nearer the hand. There is a shelf to hold a galley under the lower case, which can be pushed back to permit matter to be emptied on the galley.

* **CAUTION.**—*There are two widths of two-third cases in use. In ordering it is necessary to state exact width of two-third case the stand is required to hold, otherwise we will send stands to take in our standard width of two-third case.*

NEW YORK SPACE-SAVING CASE STANDS.

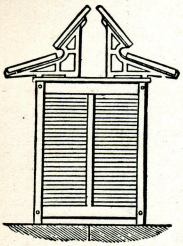


New York Double Stand.



New York Quadruple Stand (see end view below).

These are *space-saving, rent-reducing stands.* Two New York Double Stands, holding sixty cases in racks and four pairs cases on top, occupy eighteen square feet of floor space, as against thirty square feet occupied by two ordinary double stands, holding at most forty-eight cases in racks and four pairs cases on top—a saving of twelve square feet. Two Double City Stands occupy a floor space of twenty-five square feet as against seventeen feet occupied by one Quadruple New York Stand—a saving of eight square feet. This saving is obtained by making the racks correspond to size of cases exactly, bringing forward the cap cases so that they do not overhang at the back of stand (as they do on ordinary stands), and extending the lower cases several inches into the alley.



End view of New York Window and Quadruple Stands.

OTHER POINTS OF SUPERIORITY.

The lower cases project into the alley several inches, affording the compositor ample leg room, and allowing him to get closer to the type. The angle of the lower case is just right for rapid setting. The upper case is raised above the lower, and brought forward closer to the compositor's hand, while not obstructing the figure boxes of the lower case. The cases are held on strong iron brackets, securely screwed to a hard-wood top, which is perfectly smooth, and very useful for storing tied-up matter or for other purposes.

The Window Stand is a rearrangement of the Double Stand, so that it occupies a square area, and is very suitable for placing opposite a window.

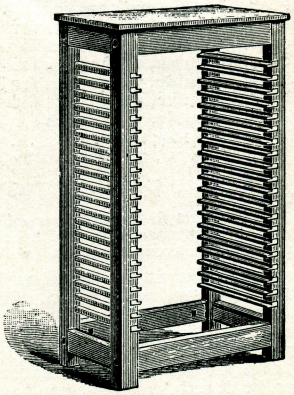
New York Single Stand, with racks for fifteen cases	$ 6 50
New York Double Stand, with racks for thirty cases	10 50
New York Quadruple Stand, with racks for sixty cases	18 00
New York Window Stand, with racks for thirty cases	10 50

CASE RACKS.

Made of hard wood, bolted together, and the higher racks are braced at the center with iron rods to prevent spreading.

Full-size Cases.	Height.	
Single, to hold 10 cases	38 inches	$ 5 50
Single, to hold 16 cases	50 inches	7 00
Single, to hold 20 cases	60 inches	8 00
Single, to hold 24 cases	70 inches	9 00
Single, to hold 30 cases	84 inches	10 00
Double, to hold 40 cases	60 inches	14 00
Double, to hold 60 cases	84 inches	18 00

Made to hold two-third and three-quarter cases at same prices. In ordering for two-third cases it is necessary to state exact width of cases, as there are two widths of two-third cases in use.



Case Rack for Twenty Full-size Cases.

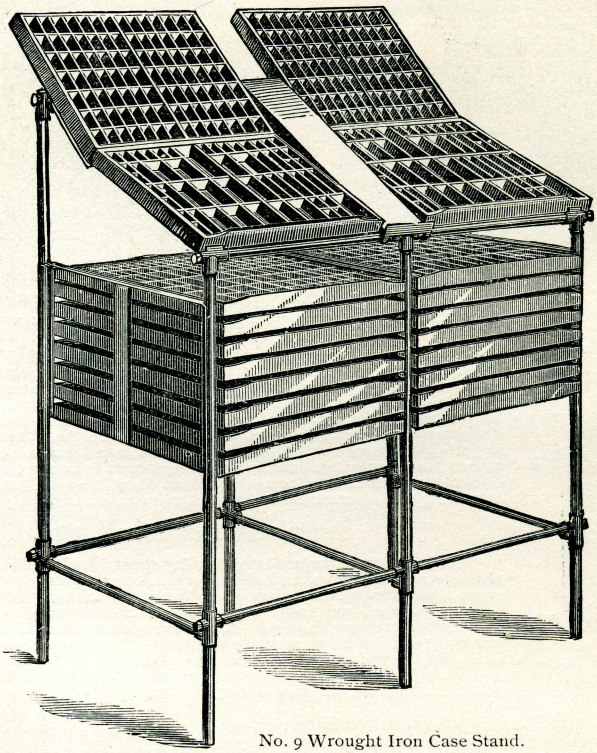
WOOD-TYPE CASE RACK.

Single, to hold 20 No. 3 Wood-Type Cases . . . $9 00

A No. 3 Wood-Type Case is 23×44 inches over all.

WROUGHT IRON CASE STANDS.

Made of Tubular Iron, with Strengthened and Bolted Joints. The Best Made of this Class of Stand.



No. 9 Wrought Iron Case Stand.

No. 2.	Single, with racks for 8 full-size cases	$10 50
No. 3.	Single, with racks for 8 full-size cases and galley rest	11 50
No. 5.	Double, with racks for 8 full-size cases	13 50
No. 6.	Double, with racks for 8 full-size cases and galley rest	15 00
No. 7.	Double, with racks for 8 full-size cases, galley rest, and 16 galley racks	23 50
No. 8.	Double, with racks for 8 full-size and 8 two-third cases	17 00
No. 9.	Double, with racks for 16 full-size cases and galley rest (see cut)	18 50
No. 10.	Double, with racks for 8 full-size and 8 two-third cases, galley rest, and 16 galley racks	28 50

PERFECTION WROUGHT IRON STANDS.

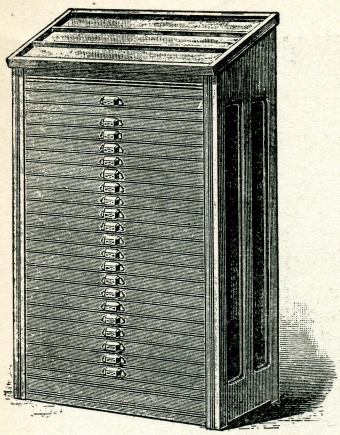
The Quadruple Stand has novel features. The cases on top project eight inches from the rack, giving the compositor plenty of knee room. The galleys between top cases are six inches wide, and divided into convenient spaces.

Perfection Quadruple Stand, with racks for 24 cases	$30 00
Perfection Quadruple Stand, with racks for 48 cases	35 00
Perfection Double News Stand, with racks for 12 cases	16 00
Perfection Double Book Stand, with racks for 24 cases	20 00
Single News Stand, with racks for 8 cases	10 00
Double Job Stand, with racks for 12 full-size and 12 two-third cases	20 00
Double Stand (racks back to back), with racks for 12 cases	16 00

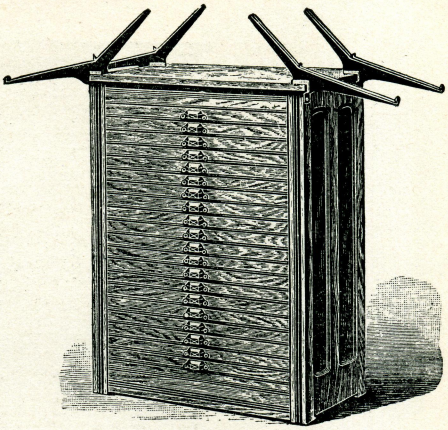
Made for full-size, three-quarter or Rooker cases at the same prices.

WISCONSIN HARD-WOOD CABINETS

With "New Departure Cases."



Twenty-Case Wisconsin Cabinet with Galley Top and Copy Drawer.



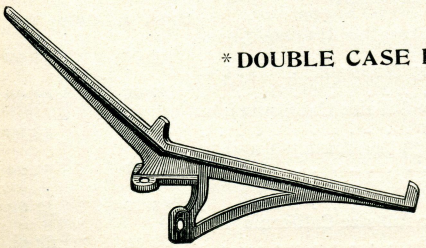
Twenty-Case Wisconsin Cabinet with Flat Top, showing Double Case Bracket, Style A*, attached to top, for holding two pairs of cases.

Although made of hard wood, cherry finish, these cabinets are sold at the same prices as ordinary cheap-looking stained cabinets. Three-quarter and full-size cabinets are furnished with California job cases, described on page 48, which are preferable to Italic cases, as they afford more room for the caps. The bottoms are made flush with the floor, to prevent pi from getting underneath. The sides are double paneled and very tastefully moulded. Double case brackets may be put on top of the flat-top cabinets, making a very convenient stand, the regular height from the floor. *Galley-top Cabinets are kept in stock with twenty cases only, but can be furnished for twelve and sixteen cases to order, though not recommended.*

LIST PRICES.

	Flat Top.	Galley Top.
With 12 Two-third Job Cases	$15 00	. . .
With 16 Two-third Job Cases	18 00	. . .
With 20 Two-third Job Cases	21 00	$24 00
With 12 Three-quarter California Job Cases	18 00	. . .
With 16 Three-quarter California Job Cases	22 00	. . .
With 20 Three-quarter California Job Cases	26 00	29 00
With 12 Full-size California Job Cases	22 00	. . .
With 16 Full-size California Job Cases	26 00	. . .
With 20 Full-size California Job Cases	30 00	33 00

See page 60 for Blank Case Cabinets.



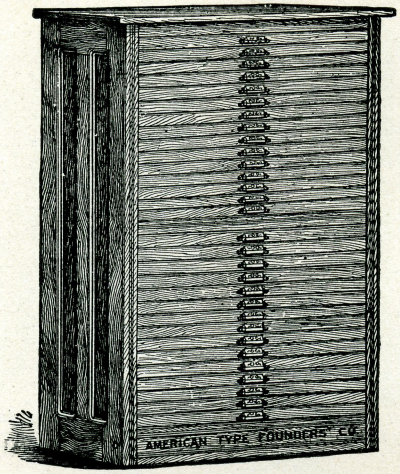
*DOUBLE CASE BRACKETS, STYLE A,

Which fit on top of flat-top cabinets, to hold a pair of cases, per pair $1 50

For Brackets of all kinds, see page 64.

AMERICAN STEEL-RUN CABINETS

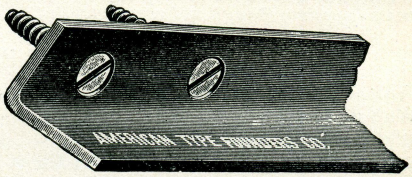
Hold 50 per cent. more type in same floor-space occupied by Regular 20-Case Cabinets.



By substituting steel for wood in the runs, the awkward upper projections on the fronts of regular cabinet cases (which in the ordinary are put on to hide the wooden runs) are dispensed with, and ten more cases are got into the same space. Cases are easier to set out of, and *all cases are within easy reach of compositors of average height.*

The cabinets are made of hard wood, polished, braced in centre to prevent spreading, and California job cases (giving one-third more room for caps by dispensing with two superfluous rows of boxes) are used instead of Italic cases.

The height of the 30-case cabinets is 53 inches; of the 40-case, 68 inches. Cabinets can be supplied any height, but very high cabinets cannot be recommended owing to the loss of time in getting the top cases out of them.



Shows Steel-Run with Countersunk Screws.

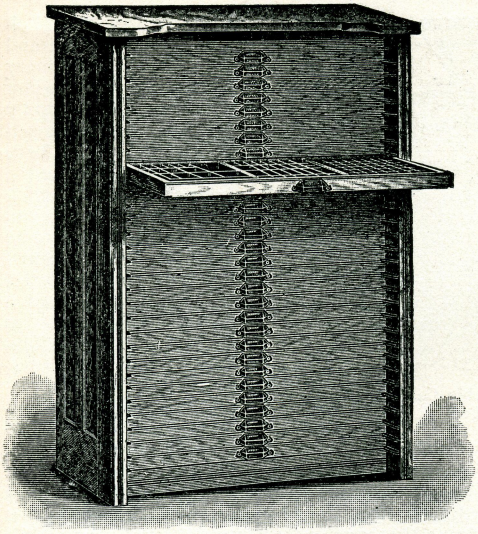
Attention is directed to the common-sense assortment of cases in these cabinets. In thirty cases there will be required some cases for holding cap and small cap fonts.

The illustration herewith shows the steel run used in American Cabinets. Screws are countersunk.

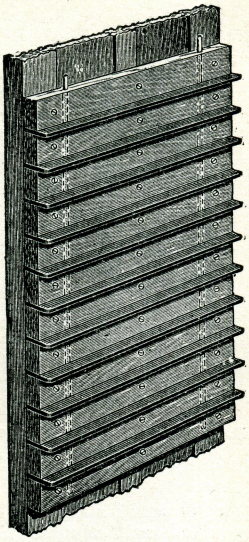
LIST PRICES.

	Flat Top.	Galley Top.
30-case American Steel-Run Cabinet, with 25 two-third job and 5 two-third cap cases	$35 00	$38 00
30-case American Steel-Run Cabinet, with 25 three-quarter California job and 5 three-quarter cap cases	40 00	43 00
30-case American Steel-Run Cabinet, with 22 full-size California job, 5 full-size cap, and 3 full-size triple cases	45 00	48 00
40-case American Steel-Run Cabinet, with 30 two-third job and 10 two-third cap cases	48 00	52 00
40-case American Steel-Run Cabinet, with 30 three-quarter California job and 10 three-quarter cap cases	53 00	57 00
40-case American Steel-Run Cabinet, with 30 full-size California job, 6 full-size cap, and 4 full-size triple cases	60 00	64 00

PORTER'S PATENT EXTENSION FRONT STEEL-RUN CABINET.



Notice the extension sides, the chief merit of this cabinet. These sides project out far enough to temporarily hold any of the cases the rack for which may be too high or too low for the convenience of the compositor.



Shows construction of runs in Porter Cabinets. The steel runs are secured between wood, the wood screwed to sides, and two iron rods are passed through as extra strengtheners.

The sides of these cabinets are extended four inches beyond the fronts of the cases. These extensions serve the printer in two ways: (1) A case near the top of a cabinet may be taken from its rack and placed in a more convenient position for setting from, and will be held by the extensions without withdrawing another case. This cannot be done on any other cabinet. (2) The extensions permit cases to be drawn out further from the racks than is possible in other cabinets, making it easier to set out of the rear boxes. In addition, these cabinets have all the best points of other cabinets, such as steel runs, "New Departure" cases, hard wood throughout, and are stronger than any other cabinets, as will be seen by examining the sectional illustration above.

The extension sides make it practicable to use higher cabinets, containing more cases in a tier, than can be advised where ordinary cabinets are used.

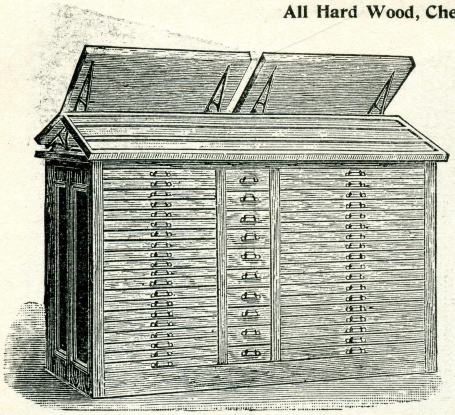
LIST PRICES.

No. 1, with 25 full-size California job cases, one tier, height 45 inches	$43 00
No. 2, with 30 full-size California job cases, one tier, height 53 inches	51 00
No. 3, with 40 full-size California job cases, one tier, height 68 inches	68 00
No. 4, with 50 full-size California job cases, one tier, height 84 inches	85 00
No. 8, with 25 full-size blank cases, one tier, height 45 inches	38 00
No. 9, with 30 full-size blank cases, one tier, height 53 inches	45 00
No. 10, with 40 full-size blank cases, one tier, height 68 inches	60 00
No. 11, with 50 full-size blank cases, one tier, height 84 inches	75 00

Porter Cabinets of greater height can be supplied if desired. As all the above cabinets have flat tops, we do not list any double cabinets. A double 25-case (50 cases in all) will cost $85; a double 30-case, $100. Single tier, flat-top cabinets are always preferable to double, because it is easier to find positions for them. They are moved easier, and there is no saving in space by using double flat-top cabinets.

"AMERICAN-POLHEMUS" CABINETS.

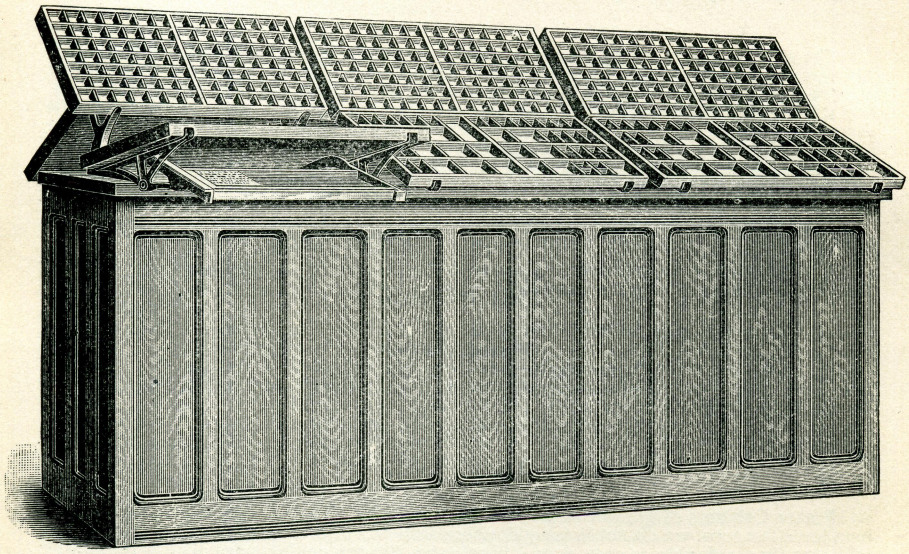
All Hard Wood, Cherry Finish.



Front view of American-Polhemus Double Cabinet, showing Sort Drawers, Galley Top and Jobbing Cases.

The object of the American-Polhemus Cabinet is to save time and space. Time is lost on the ordinary cabinets by stationing the compositor in front of twenty cases, all frequently in use by other men, who, when setting or distributing from them, keep the man at the cabinet idle. On the American-Polhemus Cabinets the job cases are unobstructed, and the compositor stands at the back, where he cannot be interrupted. If he is setting solid matter he can empty his sticks, without walking a step, on a galley kept under his lower case, as the cases are held by the Patent Tilting Bracket and Galley Rest. Illustrated on page 58.

Every inch of space on the American-Polhemus Cabinets is utilized to advantage. The galley top or bank is a most useful addition. The space between the cases is used as a sort cabinet. The top is flat, and tied-up matter may be kept on it, as the iron case brackets admit of easy access to the space under the cases and galley top. The brackets which hold the cases project into the alley eight inches, giving the compositor plenty of knee-room, while saving floor-space.



Back of American-Polhemus Triple Cabinet, showing arrangement of body-letter cases on the Patent Tilting Brackets.

PRICES OF AMERICAN-POLHEMUS CABINETS.

Single American-Polhemus Cabinet—Complete with 18 full-size California job cases, 1 pair of news cases, galley top, and 1 pair of patent tilting brackets . $35 00

Double American-Polhemus Cabinet—Complete with 18 full-size and 20 three-quarter California job cases, 2 pairs of news cases, galley top, 10 sort drawers, and 2 pairs of patent tilting brackets 75 00

Triple American-Polhemus Cabinet—Complete with 18 full-size and 40 three-quarter California job cases, 3 pairs news cases, galley top, 10 sort drawers, and 3 pairs of patent tilting brackets 110 00

STEEL-RUN AMERICAN-POLHEMUS CABINETS.

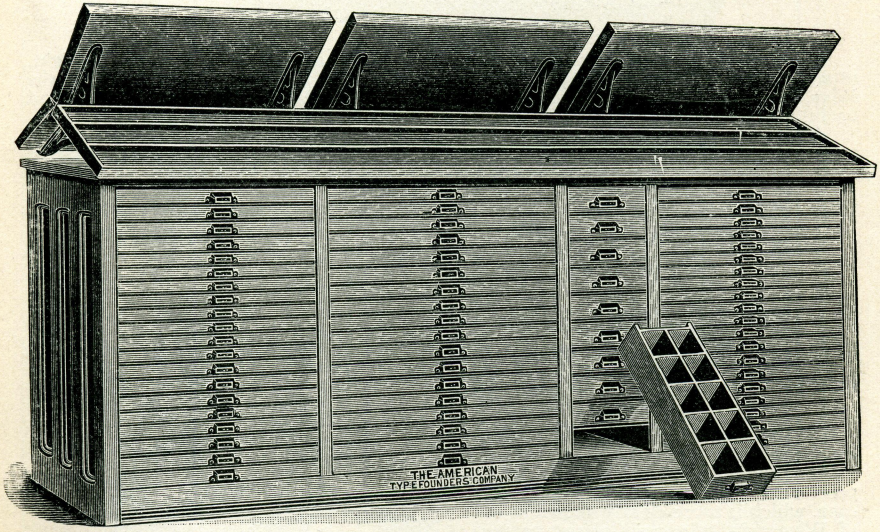
All Hard Wood, Cherry Finish.

These cabinets are similar to the American-Polhemus Cabinets, illustrated on these pages, except that the use of steel runs instead of wood runs increases their case-holding capacity without changing floor space or height.

No. 5½. Double American-Polhemus Cabinet—Contains 18 full-size California job, 3 full-size triple, 4 full-size cap, 20 three-quarter California job, 5 three-quarter cap, and 2 pairs of full-size news cases on top, 10 sort drawers, a galley top, and 2 pairs of patent tilting brackets $95 00

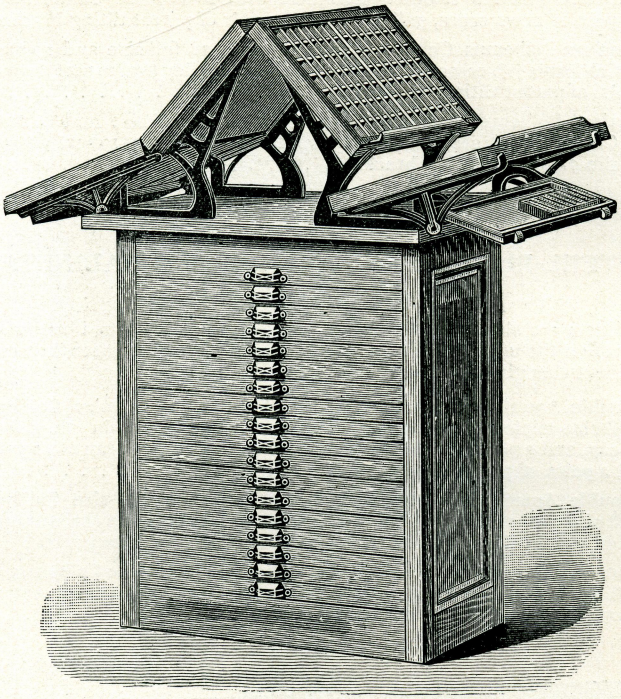
No. 6½. Double American-Polhemus Cabinet—Contains 43 full-size California job, 4 full-size cap, 3 full-size triple, and 2 pairs of full-size news cases on top, a galley top, and 2 pairs of patent tilting brackets (*no sort drawers*) 95 00

No. 7½. Single American-Polhemus Cabinet—Contains 19 full-size California job, 3 each full-size triple and cap cases, 1 pair of full-sized news cases on top, a galley top, and 1 pair of patent tilting brackets 47 00



Front of American-Polhemus Triple Cabinet, showing Jobbing Cases, Sort Drawers, and Galley Top or Bank.

WISCONSIN WINDOW CABINET.



Specially designed for placing in front of a window, as it does not obstruct the light, of which the cases on top get the full benefit. Two men may work undisturbed at the sides, while the job cases in front are convenient for other men. The top is flat, and useful for holding tied-up type.

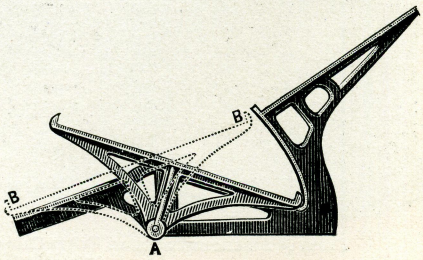
These cabinets have the patent tilting bracket and galley rest, which enables a compositor to empty his stick without leaving the cabinet by simply tilting his lower case, as shown in the cut, thus exposing the galley.

Wisconsin Window Cabinet, with two pairs of Patent Tilting Brackets and eighteen full-sized California job cases, two pairs of news cases on top, hard wood, cherry finish $36 00

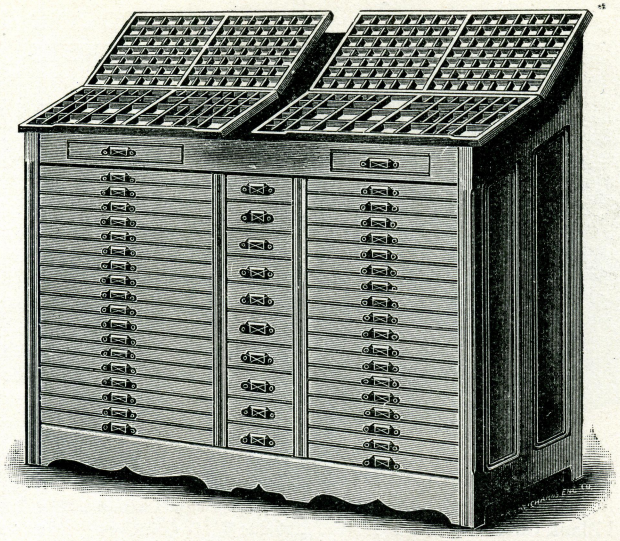
PATENT TILTING CASE BRACKET.

Used on Wisconsin Window and American-Polhemus Cabinets.

B B (outline) shows bracket holding case in position for setting. Shaded cut shows bracket tilted up, allowing compositor to empty on galley below lower case, which is more clearly shown in cut of Wisconsin Window Cabinet printed above. These brackets are also supplied with all American-Polhemus Cabinets.

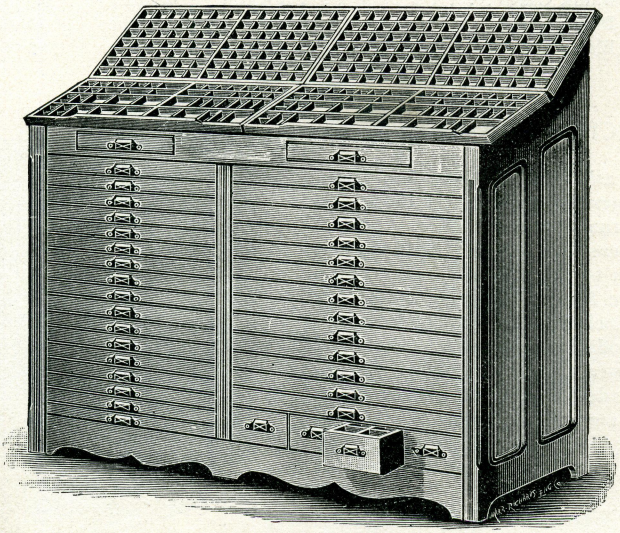


COMBINATION CABINET No. 1.

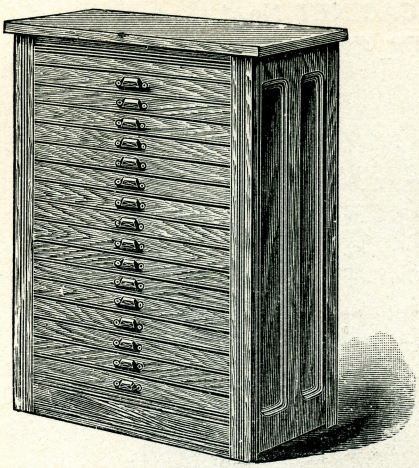


Made of hard wood, cherry finish. Contains 18 full-size California job, 18 two-third job, 2 pairs full-size news cases on top, 2 copy drawers, and 10 sort drawers with partitions $75 00

EAGLE CABINET.



Made of hard wood, cherry finish. Contains 40 cases in all, including 12 full-size California job, 2 each full-size triple and cap cases, 20 three-quarter California job cases, 2 pairs full-size news cases on top, and 2 copy drawers $70 00



Flat-Top Sixteen-Case Electro Cabinet.

ELECTRO AND CUT CABINETS.

These cabinets are filled with blank cases, and are made of polished ash, antique oak finish, with bronze case-pulls. The cases have extension backs. In addition to the ordinary use of the printer, these cabinets can be recommended to advertisers for keeping their wood cuts, etc., for keeping samples of hardware, confectionery, fancy stationery, for seeds, and many other purposes.

All sizes can be supplied with galley tops at an advance of $3.00 on flat-top prices, but galley tops are not recommended except on 20-case cabinets.

	Size of Case. Inches.	Height of Cabinet.	With Flat Top.	Galley Top.
12 Two-third Blank Cases	16×21¾	34 inches	$12 00	. . .
16 Two-third Blank Cases	16×21¾	42 inches	14 00	. . .
20 Two-third Blank Cases	16×21¾	50 inches	16 00	$19 00
12 Three-quarter Blank Cases	16×26¼	34 inches	15 00	. . .
16 Three-quarter Blank Cases	16×26¼	42 inches	18 00	. . .
20 Three-quarter Blank Cases	16×26¼	50 inches	21 00	24 00
12 Full-size Blank Cases	16×32¼	34 inches	19 00	. . .
16 Full-size Blank Cases	16×32¼	42 inches	22 00	. . .
20 Full-size Blank Cases	16×32¼	50 inches	25 00	28 00

SPECIMEN CABINETS.

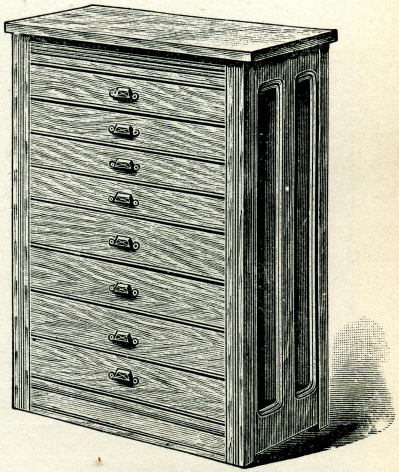
Made in ash, with antique oak finish. These cabinets are handsomely made, and will be an ornament to any office.

The drawers have movable partitions, and are made in two depths—2½ inches and 5 inches. The No. 1 Cabinet is the proper height for placing a letter-copying press on.

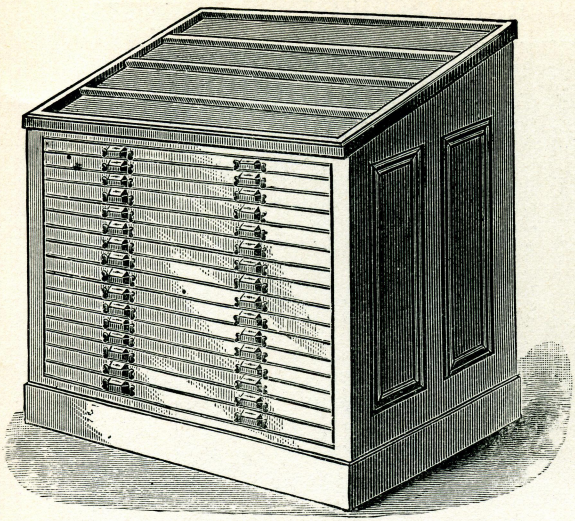
The methodical classification and preservation of specimens in a cabinet enables customers to decide on what they want quickly, and in many cases suggests other requirements. Let the public see what you have to sell, and they will become buyers.

No. 1, 8 drawers, 26 inches wide by 19 inches deep by 42 inches high . . . $14 00

No. 2, 12 drawers, 26 inches wide by 19 inches deep by 50 inches high . 20 00



No. 1 Specimen Cabinet, 26 inches wide, 42 inches high, and 19 inches deep.



No. 5 Wood-Type Cabinet, with Galley Top. Occupies nine square feet floor space, and affords one hundred and twelve square feet for storage of type.

WOOD-TYPE CABINETS.

Very substantially constructed of hard wood, cherry finish. The cases are slotted on the sides, and have movable strips which may be adjusted to Picas. The cases in the Mammoth Cabinet (23 × 44 inches) have a center bar, and cases in the Regular Cabinet (23×32 inches) have no center bar.

These cabinets afford the most economical method of keeping wood type. The top of cabinet is available for use in laying out lines. They save the time lost in climbing to shelves, and the wood type is kept clean and is less liable to warp.

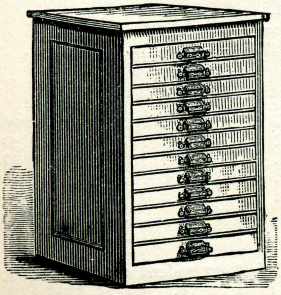
		Flat Top.	Galley Top.
No. 1.	12 cases, 23×32 inches	$20 00	$23 00
No. 2.	16 cases, 23×32 inches	25 00	28 00
No. 3.	20 cases, 23×32 inches	30 00	33 00
No. 4.	12 cases, 23×44 inches	25 00	28 00
No. 5.	16 cases, 23×44 inches	33 00	36 00
No. 6.	20 cases, 23×44 inches	40 00	45 00

WOOD-TYPE CASE RACK.

To hold twenty No. 3 Wood-Type Cases (made to order) $9 00

For prices of Wood-Type Cases, see page 45. No. 3 Wood-Type Cases are 23×44 inches over all, and the price is $1 30 each.

BOOKBINDERS' CABINETS.

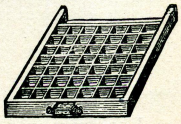


Made of hard wood, cherry finish, with bronzed pulls on each case. The cases are made in exactly the same style as printers' cases. These cabinets occupy a space of 20×20 inches, and may be put on or under a bench. "A place for everything and everything in its place" is a rule bookbinders should live up to, and these cabinets enable them to do so.

Cabinets with 6 cases . $ 8 00
Cabinets with 10 cases . 12 00
Cabinets with 15 cases . 16 50

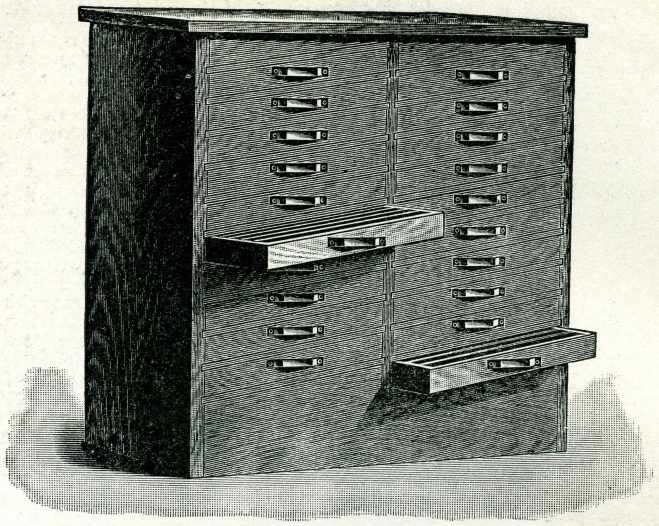
BOOKBINDERS' CASE.

Half Cap Case, 16×16¼ inches, without bronze pull, each $0 60



Case used in Bookbinders' Cabinet.

ROWEN BORDER AND SCRIPT TYPE CABINETS.

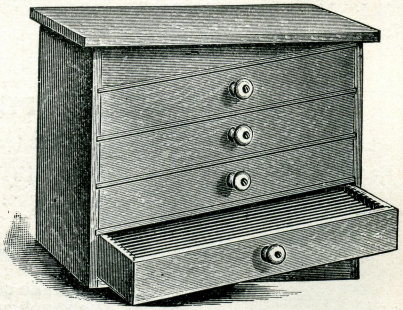


Rowen Border Cabinet with Twenty Cases.

These cabinets supply the long-felt need of a proper receptacle for borders, keeping them in compact shape and preserving the face.

The cases in these cabinets are 10×12 inches inside, and are tilted sufficiently to keep the type on its feet. The borders or type are held between movable division strips, which are 18 Points wide, while the slots into which these strips fit are set 6 Points apart, so that they can be adjusted to hold 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, or 72 Point bodies, while such irregular and seldom-used bodies as 8 and 9 Point may be carried in the 12-Point drawers, or special strips may be procured for them.

For script type a quantity of metal pinch springs is furnished with each cabinet, for inserting between the different letters in a font, so that if all the letters "d" are removed, the pinch spring holds the letters "e" on their feet. The advantages of keeping delicate scripts in cases where the faces of the letters are not subject to friction and scratching will be apparent to all.



Rowen Border and Script Type Cabinet with Four Drawers.

LIST PRICES.

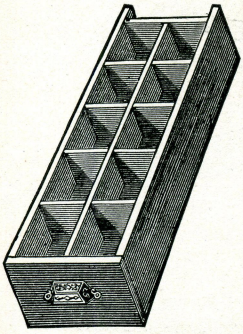
No. 1, 4 drawers, one tier, height 12 inches	$ 8 00
No. 2, 6 drawers, one tier, height 16 inches	10 50
No. 3, 10 drawers, one tier, height 25 inches	16 00
No. 4, 16 drawers, two tiers, height 21 inches	25 00
No. 5, 20 drawers, two tiers, height 25 inches	30 00
No. 6, 30 drawers, two tiers, height 35 inches	45 00
No. 7, 40 drawers, two tiers, height 44 inches	60 00

Each case will hold 30 feet of 6-Point, or 24 feet of 12-Point, or 20 feet of 18-Point, or 17 feet of 24-Point, or 15 feet of 30-Point, or 13 feet of 36-Point borders.

HANDY SORT CABINETS.

These cabinets are fitted with serviceable sort drawers which should supplant the various cigar-box-tin-can arrangements which disgrace so many offices. The drawers are 8 × 20 inches over all, and two inches deep. The cabinets are very strong, made of hard wood, and remarkably low-priced. The drawers, which are also for sale separately, have movable partitions, and may be adjusted to the special requirements of any printing office. All drawers have strong bronze drawer-pulls, whether sold in cabinets or separately.

A picture of the drawer is shown below. Drawers are sold separately if required.





Handy Sort Cabinet, with Thirty Drawers.

Cabinet with 10 Handy Sort Drawers	$12 00
Cabinet with 20 Handy Sort Drawers	23 00
Cabinet with 30 Handy Sort Drawers	35 00
Cabinet with 40 Handy Sort Drawers	47 00
Cabinet with 50 Handy Sort Drawers	59 00
HANDY SORT DRAWERS, each	0 90

Sort Cabinets made to order to fit any space, or to any dimensions, at proportionate prices.

PAPER AND CARD STOCK CABINETS.

Made very strongly of hard wood, cherry finish. High-priced papers and cardboard should be kept in a dust-tight receptacle, to prevent wastage and economize space. The drawers have extension backs, and are strongly constructed.

No. 1, 12 drawers, each drawer holding 22½ × 28-inch cardboard, or smaller.

Price $37 00

No. 2, 12 drawers, each drawer taking full sheet of 28 × 42 inches.

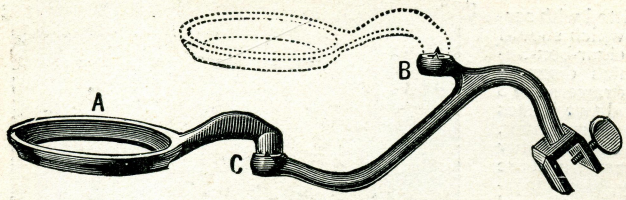
Price $48 00

The cabinets are 48 inches high. The drawers are 2½ and 5 inches deep, and have movable partitions.



No. 1 Paper Stock Cabinet. Occupies 26 × 34 inches floor space.

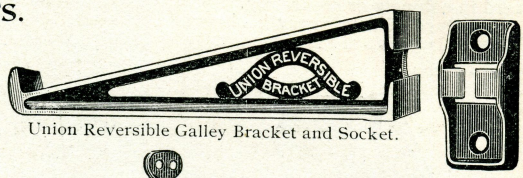
CHALLENGE LAMP HOLDER.



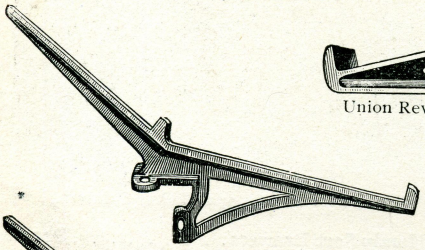
A most convenient and safe attachment for holding a lamp over the compositor's case. It will be readily understood by reference to the cut that the fount holder A can be instantly raised from C to B, as shown by the dotted lines, to adapt the position of the light to suit the compositor. Small thumb screws at the top of B and C, with suitable recesses in A, retain the light perfectly stationary in any position.

Each $0 75

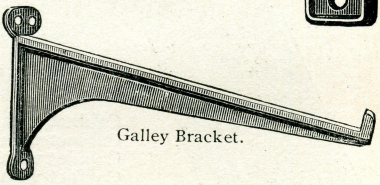
BRACKETS.



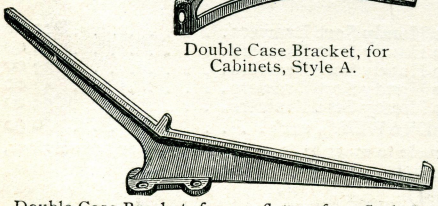
Union Reversible Galley Bracket and Socket.



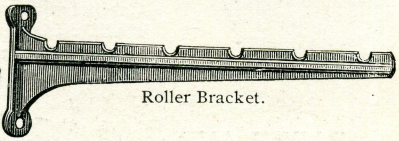
Double Case Bracket, for Cabinets, Style A.



Galley Bracket.



Double Case Bracket, for any flat surface, Style B.



Roller Bracket.

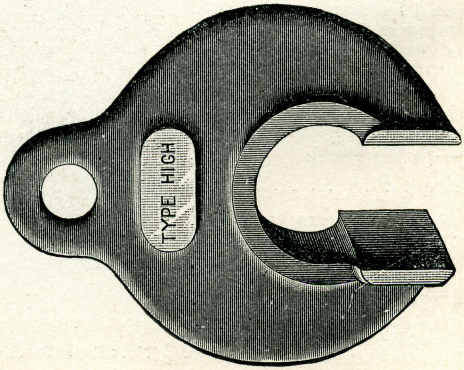
Double Case Brackets, style A, fit on end of Flat Top Cabinet, per pair	$1 50
Double Case Brackets, style B, fit on any flat surface, per pair	1 25
Single Case Brackets, per pair	0 75
Galley Brackets, per pair	0 40
Roller Brackets, to hold six platen press rollers, per pair	0 50
Union Reversible Galley Brackets, with Sockets, per pair	0 60
Union Reversible Galley Brackets, with Sockets, per dozen pairs	6 00

TYPE-HIGH GAUGE.

Much time may be saved in the press room if the maker-up will test all electrotypes, and have those that are high or low brought to the proper height by an electrotyper, or do it himself, before the form goes to press. The wise employer should insist on the use of this Gauge.

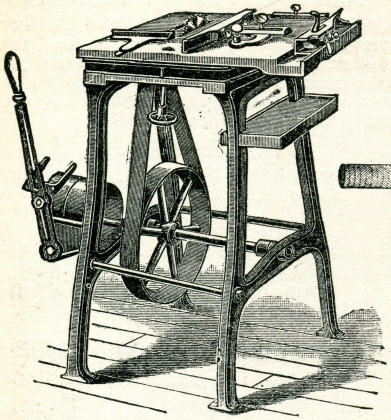
Price, each $2 50

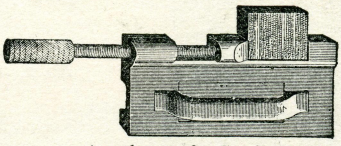
See Type-High Machine on opposite page, and Backing for Electrotypes on page 149.



PRINTERS' SAW TABLE,

With Shoot-Board Attached.





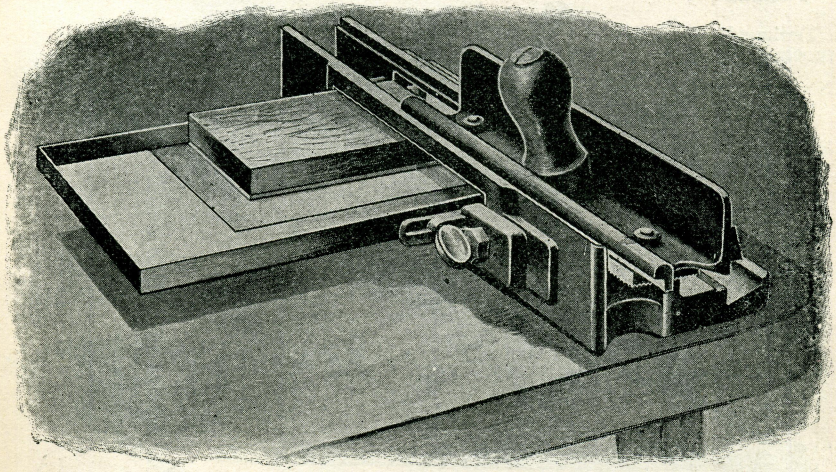
Attachment for Cutting Linotype Slugs.

A very necessary machine in large printing offices. It will saw wood, metal or brass, and will trim wood and metal accurately from the merest shave upward. It affords the quickest and most accurate method of cutting slugs, furniture, thick brass rule and plates, and as it is fitted in the most complete manner with gauges, all trimming and cutting is done with perfect trueness and squareness. An attachment for sawing linotype slugs is furnished for $15.00 extra.

This is a thoroughly well-built machine, equal to similar machines used by electrotypers, made of iron and steel, with accurate adjustable gauges. The saw is raised or lowered by means of a clamp-screw set under the table. The countershaft is attached to the saw, and should not run less than four hundred revolutions per minute. The driving pulley is 7 inches in diameter, for 2½-inch belt. Size of table is 18×24 inches, height 40 inches, and floor space occupied 24×32 inches.

Saw table with shoot-board $85 00
Saw table without shoot-board 70 00
Attachment for sawing linotype slugs, extra 15 00

CHALLENGE TYPE-HIGH MACHINE.



For reducing cuts to type-high, and making them true and even when warped, and for squaring cuts. Full directions with each machine. Descriptive circular on application.

Price $12 00

For Type-High Gauge, see opposite page.

GALLEY PROOF PRESSES.



American Proof Press.

AMERICAN PROOF PRESS.

Built in the most substantial manner, thoroughly braced, with accurate bed and cylinder. The cylinder is much heavier than on the average proof press, and consequently gives a much better impression. The best proof press made.

With Iron Stand.

No. 1, 10×31 inches inside $30 00
No. 2, 16×31 inches inside 42 00

Without Stand.

No. 1A, 10×31 inches inside $22 50
No. 2A, 16×31 inches inside 30 00

Each proof press is furnished with blanket, brayer frame and stock.

CHALLENGE PROOF PRESS.

Lighter frame and lighter cylinder than the American Proof Press. The best low-priced proof press in the market, and equal to many listed at higher prices.

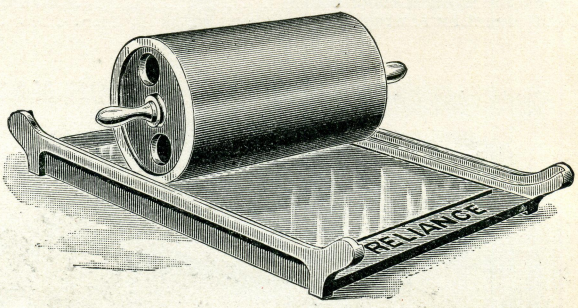
10×31 inches inside $27 00

Each proof press is furnished with blanket, brayer frame and stock.

RELIANCE JOB GALLEY PRESS.

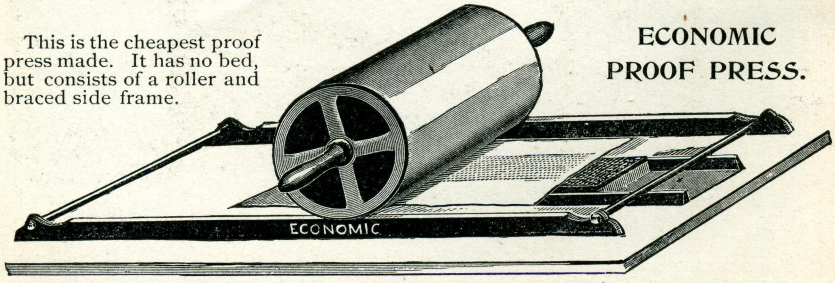
Designed for taking proofs of job work.

No. A, without table, takes 14×20 job galley $22 50
No. B, without table, takes 15×22 job galley $25 00



This is the cheapest proof press made. It has no bed, but consists of a roller and braced side frame.

ECONOMIC PROOF PRESS.

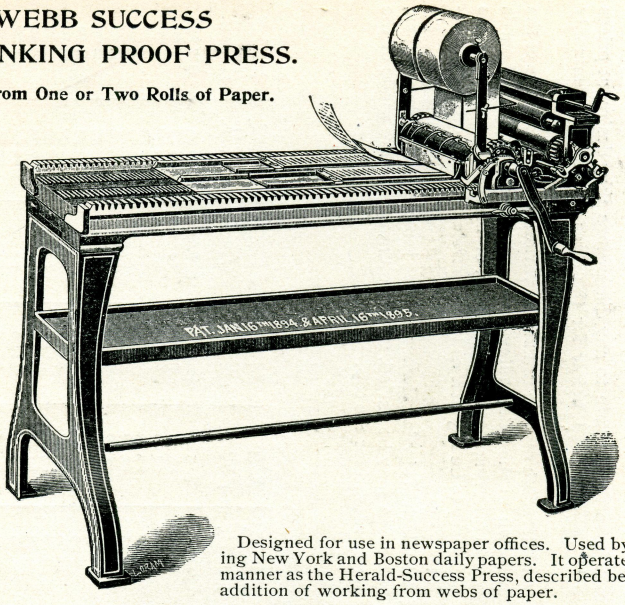


A mould is provided for casting weights which can be placed inside the cylinder to increase pressure according to character of the work.

10×34 inches inside, complete with blanket and weight mould $13 50

WEBB SUCCESS SELF-INKING PROOF PRESS.

Prints from One or Two Rolls of Paper.

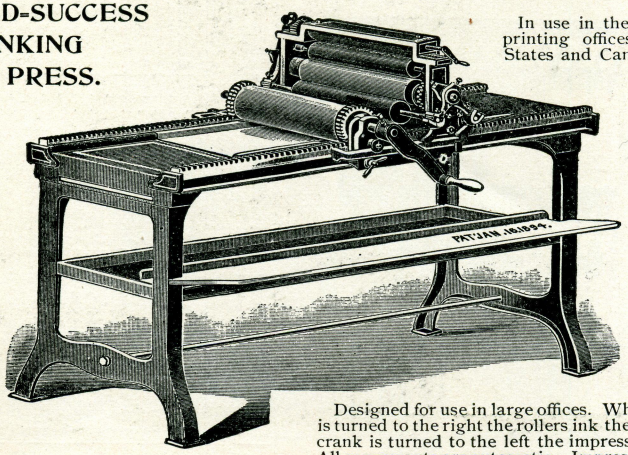


Designed for use in newspaper offices. Used by all the leading New York and Boston daily papers. It operates in the same manner as the Herald-Success Press, described below, with the addition of working from webs of paper.

With 10-inch bed, for one web of paper, for proving single, double or triple-column galleys $300 00
With 12-inch bed, designed for taking two webs and taking two single-column galley proofs at once, or double, triple or quadruple column proofs by using wider single webs 400 00

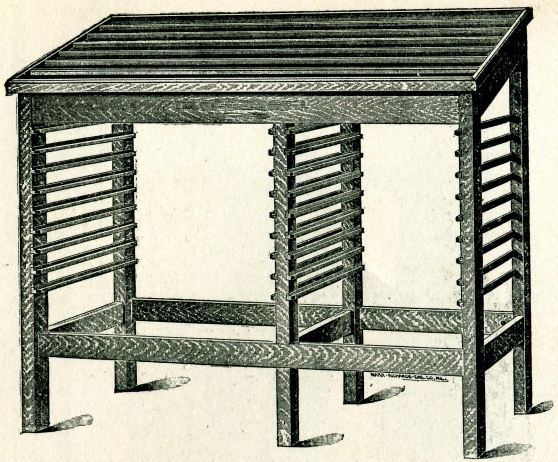
HERALD-SUCCESS SELF-INKING PROOF PRESS.

In use in the government printing offices of United States and Canada.



Designed for use in large offices. When the crank is turned to the right the rollers ink the forms, when crank is turned to the left the impression is taken. All movements are automatic. Impression cylinder is covered with seamless vulcanized rubber, taking clean and sharp impressions.

With 18-inch bed, capable of proving four single-column galleys at one impression, or large magazine pages $300 00
With 24-inch bed, adapted for full-page newspaper proofs 400 00



STANDING GALLEYS.

Made to Order.

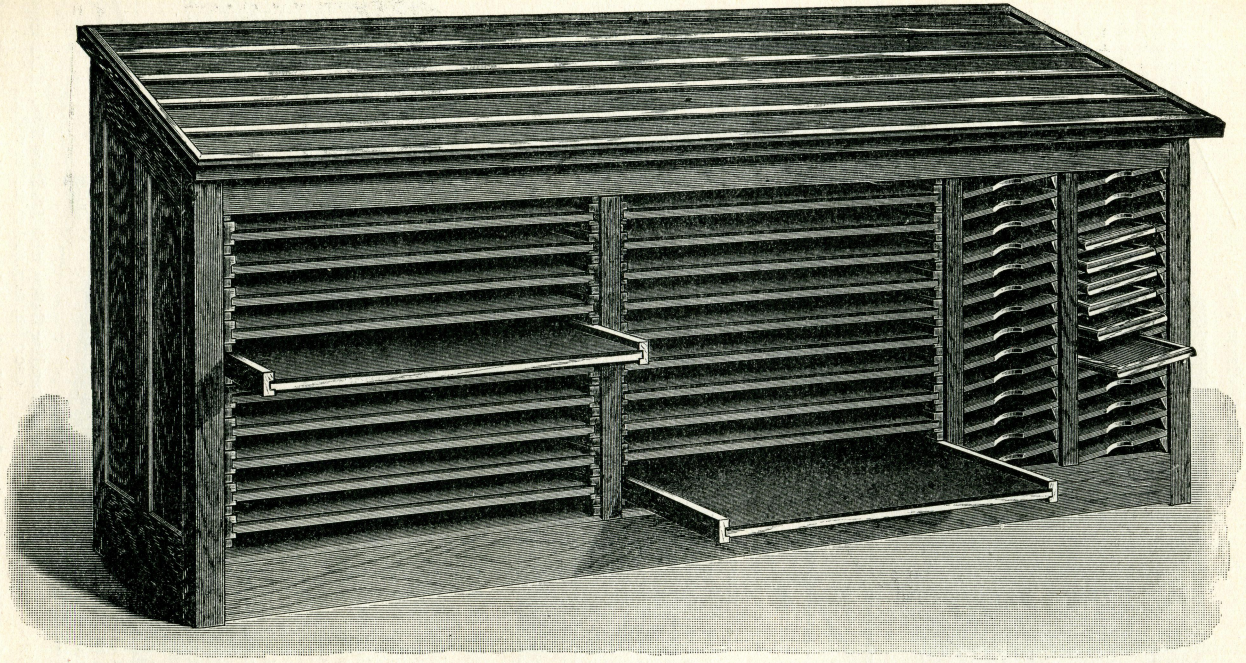
Buyers may have these made to any dimensions they desire, at prices proportionate to those quoted below for the sizes and styles commonly used.

The space underneath may be utilized in various ways. In place of the case racks, as shown in the cuts, galley shelves and racks or letter boards can be put in. In ordering Standing Galleys, or in sending for estimates of cost, it is necessary to be *explicit* as to measurements and other requirements.

The regular width of single columns is three inches; of double columns, six inches; but these may be varied. The column strips are made of the same material as ordered for the top.

No.	Length Over All.	Material Used on Top.	What the Racks Hold.	5 Single Columns. Top 20 ins. wide.	6 Single Columns. Top 23½ ins. wide.	7 Single Columns. Top 27 ins. wide.	8 Single Columns. Top 30½ ins. wide.	9 Single Columns. Top 34 ins. wide.	10 Single Columns. Top 37½ ins. wide.
1	5 feet	Hard-wood Top, with wooden strips . .	8 each full and two-third cases	$14 75	$15 25	$15 75	$16 25	$16 75	$17 25
1A	5 feet	Hard-wood Top, with brass strips. . . .		19 75	21 00	22 50	24 00	25 75	27 50
1B	5 feet	All-brass Top		26 00	29 00	32 00	35 00	38 00	41 00
2	6 feet	Hard-wood Top, with wooden strips . .	8 each full and two-third cases and 14 galley racks	16 00	16 55	17 10	17 65	18 20	18 75
2A	6 feet	Hard-wood Top, with brass strips. . . .		22 75	24 00	25 50	27 00	28 75	30 50
2B	6 feet	All-brass Top		31 00	34 50	38 00	41 50	45 00	48 50
3	7 feet	Hard-wood Top, with wooden strips . .	16 full-size cases	18 80	19 45	20 10	20 75	21 40	22 05
3A	7 feet	Hard-wood Top, with brass strips. . . .		26 75	27 50	29 50	31 00	32 75	34 50
3B	7 feet	All-brass Top		35 50	39 50	43 50	47 50	51 50	55 50
4	8 feet	Hard-wood Top, with wooden strips . .	16 full-size cases and 14 galley racks	23 50	24 25	25 00	25 75	26 50	27 25
4A	8 feet	Hard-wood Top, with brass strips. . . .		31 75	32 50	34 50	36 00	37 75	39 50
4B	8 feet	All-brass Top		42 00	46 50	51 00	55 50	60 00	64 50
5	10 feet	Hard-wood Top, with wooden strips . .	24 full-size cases	25 25	26 25	27 25	28 25	29 25	30 25
5A	10 feet	Hard-wood Top, with brass strips. . . .		35 75	38 50	40 50	42 00	43 75	45 50
5B	10 feet	All-brass Top		49 50	54 75	60 00	65 25	70 50	75 75
6	12 feet	Hard-wood Top, with wooden strips . .	32 full-size cases	29 50	30 65	31 80	32 95	34 10	35 25
6A	12 feet	Hard-wood Top, with brass strips. . . .		40 75	43 50	45 75	48 00	50 75	53 50
6B	12 feet	All-brass Top		57 75	64 50	71 25	78 00	84 75	91 50

STANDING GALLEY WITH LETTER BOARDS.

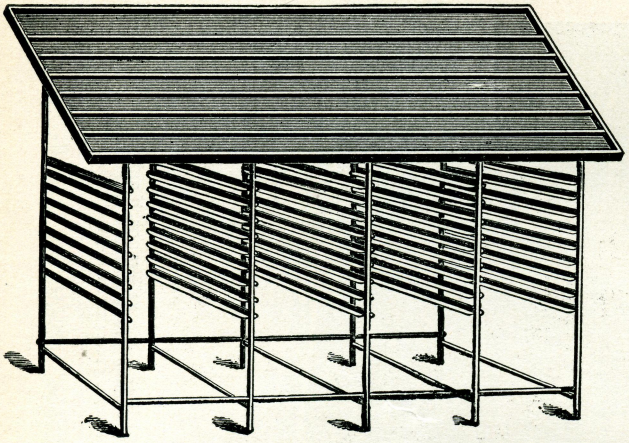


Contains 20 hard-wood letter boards, size of each 24×30½ inches inside, and racks for 26 triple-column galleys; or, if galley racks are not needed, 10 letter boards, each 24×21 inches inside, will be furnished instead at the same price. The brass-top style is covered with a single sheet of finest hard-rolled brass, and all division strips are lined with brass. Length, 8 feet; depth, 27 inches. Height in front, 3 feet; at back, 3 feet 10 inches.

No. 10, unlined, wood top . . . . . **$60 00** | No. 11, zinc-lined top . . . . . **$80 00** | No. 12, brass-lined top **$90 00**

WROUGHT IRON HORIZONTAL STANDING GALLEY.

With All-Brass Top.



The Wrought Iron Standing Galleys, with columns running horizontally (see cut), have iron racks and all-brass tops. The brass strips screwed on top are L-shaped, making the partitions only a little wider than column width, but leaving enough room for the fingers to lift the type, thus reducing the width of the top, making it more convenient to reach the upper rows. The columns are made to any desired length and width.

The cut on this page is an illustration of the No. 6 size, which is 12 feet long, with iron racks for 32 full-size cases.

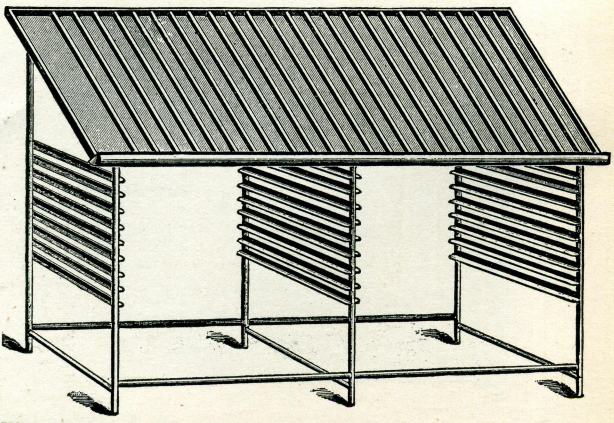
No.	Length of Rack.	What the Racks Hold.	5 Single Columns.	6 Single Columns.	7 Single Columns.	8 Single Columns.	9 Single Columns.	10 Single Columns.
1	5 feet	8 two-third and 8 full-size cases . .	$54 00	$58 00	$62 00	$66 00	$70 00	$74 00
2	6 feet	8 two-third and 8 full-size cases and 16 galley racks	70 00	75 00	80 00	85 00	90 00	95 00
3	7 feet	16 full-size cases	65 00	71 00	77 00	83 00	89 00	95 00
4	8 feet	16 full-size cases and 16 galley racks	80 00	86 00	92 00	98 00	104 00	110 00
5	10 feet	24 full-size cases	85 00	92 00	99 00	106 00	113 00	120 00
6	12 feet	32 full-size cases	95 00	104 00	113 00	122 00	131 00	140 00

WROUGHT IRON LONGITUDINAL STANDING GALLEY.

With All-Brass Top.

Made entirely of brass and wrought iron. The top is covered with sheet brass, and screwed on the hard-wood top from underneath.

Standing Galleys with columns running longitudinally are designed for dead matter, and are almost indispensable. Uniform distribution is guaranteed, as the compositor is compelled to take the type from the top, and gets it into the cases regularly; consequently the type gets an even wear. The front is provided with a channel or gutter for the water used in wetting the type to run off into a receptacle. Any size made to order.



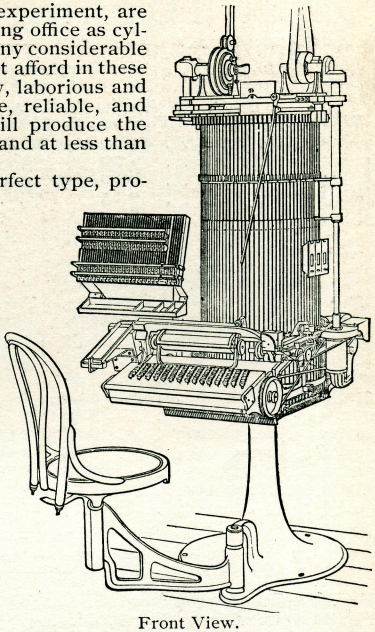
Wrought Iron Standing Galley, with All-Brass Top. This illustrates one 7 feet long and 26 inches wide.

Price, per single column, 26 inches deep, in banks not less than 5 feet long **$3 50**

THORNE TYPE-SETTING AND DISTRIBUTING MACHINE.

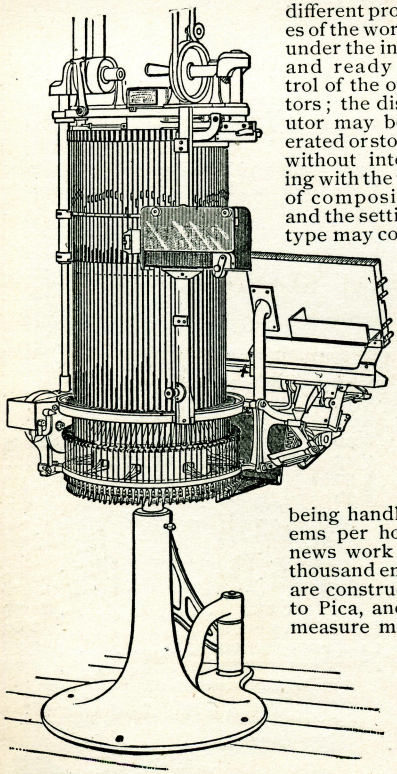
Type-setting machines, long regarded as an experiment, are now as much of a necessity in the average printing office as cylinder presses, and publishers or printers having any considerable amount of plain book or news composition cannot afford in these days of competition and hurry to rely upon slow, laborious and expensive hand composition, when this simple, reliable, and moderate-priced machine is available, which will produce the same work in a perfect manner in half the time and at less than half the expense of hand work.

The Thorne Type-Setting Machine, using perfect type, produces results typographically equal, if not superior, to the work of the hand compositor; so that not only are these machines now in successful use on news and periodical work, but they are likewise constantly employed in the production of books requiring composition of the most exacting character.



Front View.

The processes of distribution and composition are combined in a compact and simple machine of marvelous accuracy of construction, occupying but small floor space, and requiring little more power for its operation than a sewing machine. The different processes of the work are under the instant and ready control of the operators; the distributor may be operated or stopped without interfering with the work of composition, and the setting of type may continue so long as there is type for distribution. There being no time lost in distribution, composition may be carried on continuously should occasion require it, and it is a common practice to run machines with two sets of operators night and day.



Back View.

Proficiency in operating the machine is readily acquired after short practice by printers, and no machinist is required in attendance, for all working parts are made interchangeable. When a part becomes worn or damaged it can be replaced by any one of average mechanical ability. The capacity of the machine is limited only by the proficiency of the operator, and the character of the work being handled; on book work from five to six thousand ems per hour are readily distributed and set, while on news work and work of similar nature from six to nine thousand ems are produced by expert operators. Machines are constructed to handle any one size of type from Agate to Pica, and for book work are so constructed that the measure may be changed in a minute's time. They are adaptable for use in any language, and machines are now employed by English, French, Finnish, Hebrew and German printers to set the type of newspapers, books and periodicals published in these languages. In the classes of work for which it is designed the machine will earn its cost within a few months.

Price, complete with all fixtures, f. o. b. Hartford, Conn. $1500 00

FOR THE PRESS ROOM.

FELT BLANKETS.

Width.	Thick. Per Yard.	Thin. Per Yard.
36 inches	$5 40	$2 75
40 inches	6 00	3 00
44 inches	6 60	3 25
48 inches	7 25	. .
54 inches	8 10	. .

Width.	Thick. Per Yard.
56 inches	$8 50
58 inches	8 75
60 inches	9 00
62 inches	9 50
65 inches	9 75

FELT BLANKETS.

Size Bed.	Size Blanket.	Thick. Each.	Thin. Each.
17×21	19×20	$2 75	$1 75
20×25	23×24	3 25	2 00
21×27	25×25	3 50	2 25
24×30	28×28	4 00	2 75
25×35	29×33	5 50	3 75
29×42	34×40	6 25	5 00
32×46	38×44	8 75	6 50
33×50	38×47	9 75	7 50
36×52	42×49	11 25	9 25
40×54	46×53	12 25	10 00

RUBBER BLANKETS.

Size Bed.	Size Blanket.	Regular Thickness.
17×21	19×20	Each, $3 00
20×25	23×24	Each, 4 25
21×27	25×25	Each, 4 75
24×30	28×28	Each, 5 75
25×35	29×33	Each, 6 50
29×42	34×40	Each, 8 75
32×46	38×44	Each, 10 50
33×50	38×47	Each, 11 75
36×52	42×49	Each, 13 25
40×54	46×53	Each, 17 00

FELT BLANKETS FOR HAND PRESSES.

For 6-Column Newspaper	$3 00
For 7-Column Newspaper	3 75
For 8-Column Newspaper	$5 00
For 9-Column Newspaper	6 50

ROLLER CLOTH.

In rolls 12 yds. long by 2½ in. wide, per roll $5 00

RUBBER BLANKETS.

	2-Ply 1-16-Inch Thick.	3-Ply 1-12-Inch Thick.	5-Ply ⅛-Inch Thick.	Tympan Rubber.
26 inches wide, per yard	$5 00	$6 25	$7 25	. . .
32 inches wide, per yard	5 75	7 00	8 75	. . .
34 inches wide, per yard	6 25	7 50	9 75	. . .
36 inches wide, per yard	6 50	7 75	10 25	$1 25
38 inches wide, per yard	7 25	8 50	11 25	. . .
40 inches wide, per yard	7 50	8 75	11 75	. . .
44 inches wide, per yard	8 50	10 00	13 50	. . .
48 inches wide, per yard	10 50	12 00	16 00	. . .

TAPE.

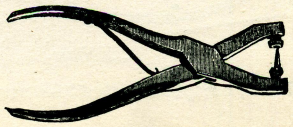
⅜-inch, per roll	$ 75
½-inch, per roll	75
⅝-inch, per roll	1 00
¾-inch, per roll	1 25
⅞-inch, per roll	1 40
1-inch, per roll	$1 50
1⅛-inches, per roll	1 60
1¼-inches, per roll	1 75
1½-inches, per roll	2 00

A roll of tape contains thirty-six yards.

TAPE FASTENER.

Fastens tape with eyelets, which are neatly clinched by the fastener.

Price, with box of eyelets $1 25



TYMPAN PRESSBOARDS.

21×29 inches, each	$0 50	35×52 inches, each	$1 25
26×35 inches, each	0 75	40×56 inches, each	1 50
29×42 inches, each	1 00		

METALLIC TAPE COUPLERS.

This is a device for connecting ends of tape on presses and folding machines, so that there will be no wear at the joined parts, as is usual on sewed ends, which wear and cause the tape to run crooked and throw paper out of register. The Metallic Tape Coupler outlasts other methods of securing the ends of tape, and keeps the tape running true. It can be put on in a few seconds by means of Parallel Pliers made for that purpose.

PRICE PER BOX OF FIFTY.

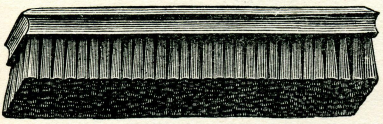
No. 1, for ½-inch tape	$1 25	No. 4, for ⅞-inch tape	$1 75
No. 2, for ⅝-inch tape	1 50	No. 5, for 1-inch tape	1 75
No. 3, for ¾-inch tape	1 50	No. 6, for 1⅛-inch tape	1 75

SMOOTH-JAW PARALLEL PLIERS (these pliers can be used for all sizes of couplers), per pair 1 00

LEATHER BELTING.

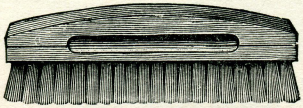
Width.	Per ft.	Width.	Per ft.	Width.	Per ft.	Width.	Per ft.
1 inch	$0 12	2½ inches	$0 36	4 inches	$0 60	6½ inches	$1 00
1¼ inches	0 16	2¾ inches	0 40	4½ inches	0 68	7 inches	1 08
1½ inches	0 20	3 inches	0 44	5 inches	0 76	8 inches	1 24
1¾ inches	0 24	3¼ inches	0 48	5½ inches	0 84	9 inches	1 40
2 inches	0 28	3½ inches	0 52	6 inches	0 92	10 inches	1 56
2¼ inches	0 32	3¾ inches	0 56				

PRINTERS' BRUSHES.



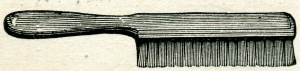
Lye Brush.

	All Bristle		Tampico	
	Per Doz.	Each.	Per. Doz.	Each.
Lye Brush, medium	$5 00	$0 50	$3 50	$0 40
Lye brush, large	7 00	0 75	4 50	0 50



Benzine Brush, oval back.

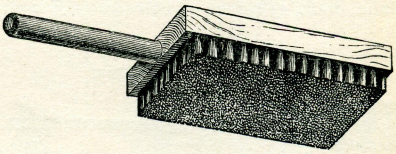
Benzine Brush, all bristle, oval back, genuine "pick" brush $0 60



Benzine Brush, with handle.

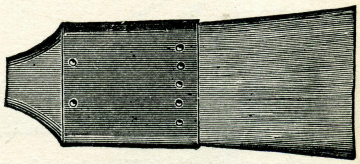
Benzine Brush, all bristle, with handle $0 40

PROOF AND STEREOTYPE BEATING BRUSHES.



Ordinary Proof Brush $1 50
Genuine Extra Stereotypers' Beating Brush, the best made, net . . 7 00

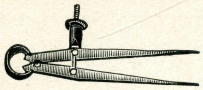
LIQUID CEMENT BRUSH.



Made of French bristles, flat and double thick.

1 inch	$0 30
1½ inch	0 40
2 inch	0 55
3½ inch	0 75

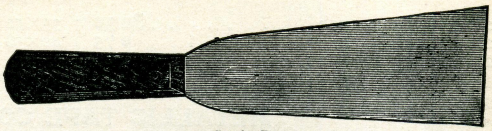
PRINTERS' DIVIDERS.



Useful for laying out paper, setting gauges and imposing plate forms.

Price $0 85

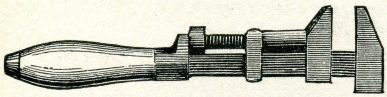
INK KNIVES.



Style B.

6-inch blade, Style B $0 60
8-inch blade, Style B 1 00
10-inch blade, Style B 1 60

WRENCHES.



8-inch $0 75
12-inch 1 00

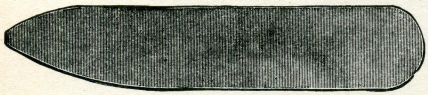
PALLET INK KNIVES.



Square end.

6-inch blade $0 50
8-inch blade 0 70
10-inch blade 1 00

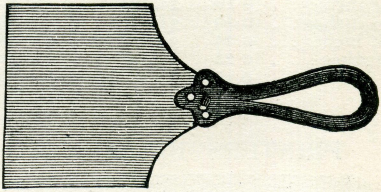
PAPER FOLDERS.



Also used for feeding cylinder presses.

Steel, nickel-plated, 6 × 1⅛ inches, each $0 50
Bone, each, 25 cents; per dozen . . 2 50

INK SLICE.



Brass handle, steel blade $0 75

SCREW DRIVERS.



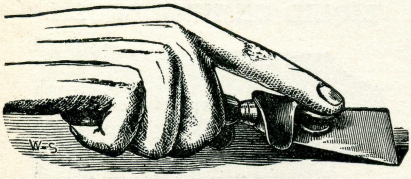
Each $0 75

OVERLAY KNIFE.



In leather case, 6×9/16 inch, nickeled . $0 60

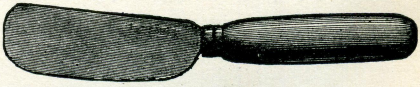
ST. JOHN PAPER KNIFE.



Made of fine steel and suitably pointed for cutting paper. Upon the back of the blade is fixed a broad guard, shaped to fit the finger, by which the operator is enabled to cut much faster and more easily than with a common knife.

Price $0 50

TABLET KNIFE.



Made extra thin, for separating the tablets after they are removed from the press.

Price $0 50

HICKORY SHOOTING STICKS.



This is the only safe shooting stick to use on the bed of a cylinder press.

Price, each, 8 cents; per dozen . . . $0 85

GAUGE PINS AND GUIDES.

See explanation of Nos. below.

Original Steel Gauge Pins, Nos. 1, 2, 3, 4, per dozen	$0 60
Golden Steel Gauge Pins, Nos. 1, 2, 3, 4, 5, 6, per dozen	0 40
Spring Tongue Gauge Pins, one size only, per dozen	1 20
Flexible Side Gauge Pins, per dozen	0 60
Perfect Register Gauge Pins, per set of three	1 25
Screw Adjusting Gauge Pins, one size only, per set of three	1 00
Extension Feed Guides, per pair	1 00
Cylinder Side Guides, each	0 50
Extra Tongues for Spring Tongue, "Perfect" or Screw Adjusting Pins, per dozen	0 25
Gauge Pin Drawers (see illustration on bottom of page), each	0 25

EXPLANATION OF NUMBERS.

No. 1 gauges are 12 Points high, with lip 1/16-inch long; No. 2, 15 Points high, 1/16-inch lip; No. 3, 18 Points high, 1/16-inch lip; No. 4, 12 Points high, short lip; No. 5, 15 Points high, 1/8-inch lip; No. 6, 12 Points high, 1/4-inch lip. All gauges with tongues are 12 Points high.

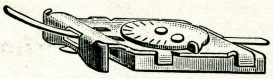
GOLDEN STEEL GAUGE PIN.



ORIGINAL STEEL GAUGE PIN.

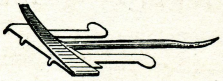


PERFECT REGISTER GAUGE PIN.



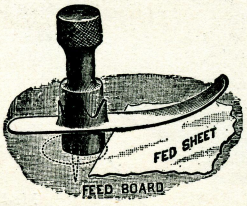
Pastes on like a quad, has a thin steel clip which strikes into tympan and prevents sheets from slipping under gauges, and is adjustable after pasting on.

FLEXIBLE SIDE GAUGE PIN.



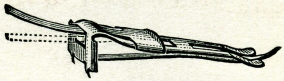
May be placed directly under gripper finger without injury to gauge or displacing it. The sheet is fed to the curved spring arm. Made of fine thin steel, with teeth underneath to prevent sheet from getting under gauge.

CYLINDER SIDE GUIDE.



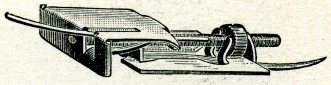
Secured to feed-board by the sharp point shown in outline in cut, which is placed at the side of pillar, so that hair adjustments may be got by simply turning the pillar to the desired position. The bendable brass tongue is adjustable in every direction.

SPRING TONGUE GAUGE PIN.



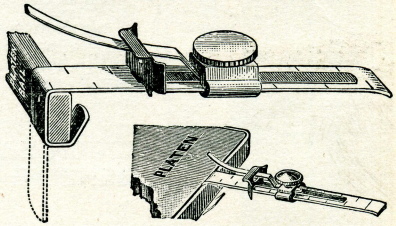
This is the most satisfactory gauge pin made—it meets almost every requirement of the pressman.

SCREW ADJUSTING GAUGE PIN.



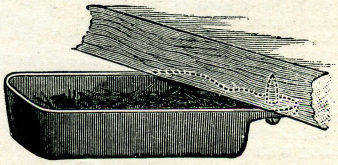
The prong should be inserted a quarter inch below the feeding line and forced snugly home. The base may be secured to the tympan with paste or glue if desired. The adjustment is got by means of the screw and nut with absolute precision and without weakening the hold of the pin to tympan.

EXTENSION FEED GUIDES.



The cut shows the method of securing the guides between platen and platen bail, so that sheets may be fed below the lower edge of the platen.

GAUGE PIN DRAWER.



Screws on under the feed-board.



SUCCESS SAFETY BENZINE CAN.

Made of Brass.

By the use of this safety can, leakage of benzine or its vapor is prevented, as the stopper is automatically self-locking — always tightly closed when the can is not in use. The flow of benzine, naphtha or any other fluid is regulated by the pressure of the second and third fingers upon a circular plate on the nozzle; and the adjustment is so perfect that one can pour a single drop, or a full stream, at will. It is also neat and cleanly, for the hands are kept entirely free from contact with its contents. The patent improved stopper is as durable as it is simple. Made of the best material, and carefully finished and adjusted.

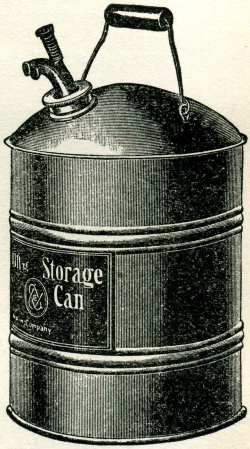
As a safeguard against loss by fire, this can is an economical and profitable "policy." Benzine is dangerous, but its use is divested of risk where this improved can is employed. It has been put to the test, and proved safe and serviceable in every respect. It may be overturned or placed in any position whatever, and the contents will not spill or overflow. There are no chains or exposed springs.

Approved by the Board of Fire Underwriters.

Quart can $0 75
Gallon can 2 00

UNION STORAGE CAN.

For Holding Benzine or Oils.



It is strongly made of galvanized iron and is self-closing. There can be no evaporation, and no fluid can be spilled until the nozzle is opened by means of the spring. A very necessary article in all printing offices which are permitted to have one or more gallons of benzine on the premises.

Quite a saving in the cost of benzine and oils will be realized by purchasing in the quantities held by these storage cans, besides avoiding the inconvenience of sending out at frequent intervals to get the ordinary benzine can filled up.

1-gallon can $2 00
3-gallon can 2 50
5-gallon can 3 00



UNION SAFE BENZINE CAN.

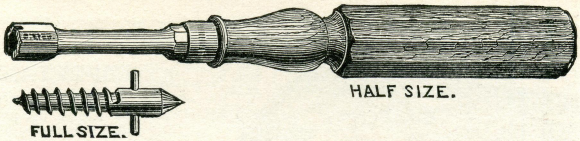


This is patterned after the original benzine can, with the addition of a circular plate around the head, near the vent, by means of which the valve is opened without wetting the fingers. When pressure is removed it closes automatically. The head is attached to the can with a chain, so that it cannot be lost when unscrewed for the purpose of filling with benzine.

Made of tin.
Enameled red.

Holds one quart, each $0 75

PRESS POINTS.

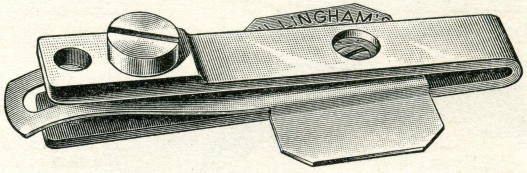


For inserting in wood furniture when sheets are printed for folding machine. Points are screwed into wood with wrench as far as the cross pin will allow, when they will be found to be correct height.

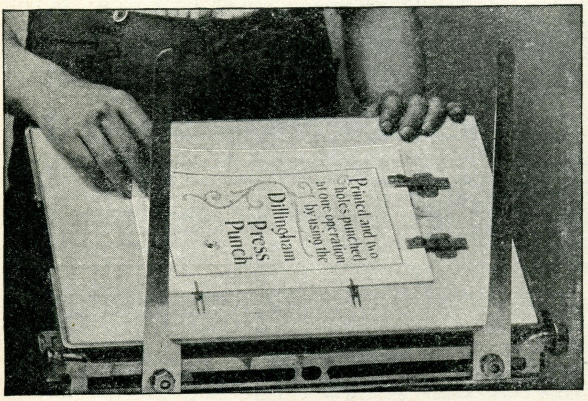
Points, per dozen . . . . . $0 75 | Wrench $0 75

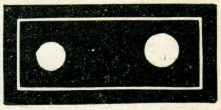
DILLINGHAM PRESS PUNCH.

Patented March 2, 1897.



Is secured to the tympan of platen presses in same manner as a feed guide, and punches a clean hole in card or paper simultaneously with the printing on jobs which have a margin of one inch or more. The method of working this punch is clearly shown in accompanying half-tone. The slightly curved spring is placed under the upper tympan sheet, and the sheet to be punched is fed over this curved spring and under the punch with no more trouble than in feeding to gauge pins. The punch is secured to the





tympan by paste or glue or (better still) by a mixture of paste and glue. Two or more punches can be used on one sheet. Punching and printing can be done simultaneously on a variety of work, such as window cards, programmes, orders of dance, souvenirs, etc. Made with large and small holes, as per diagram. The larger hole will be sent unless otherwise ordered.

Each, with directions, net $1 25

PRESS PUNCH.

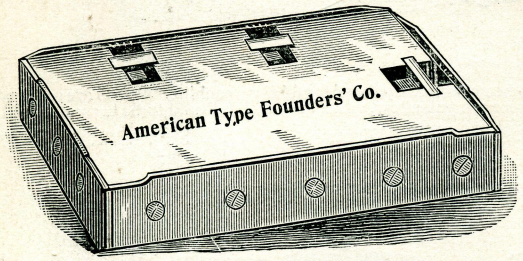


This punch is about one thirty-second inch lower than type, and can be locked up in a type form, thus enabling printers to punch holes in stock at the same time it is printed, without extra expense. A piece of 2-point brass rule should be cemented to the tympan sheet for the punch to strike on, and an opening left in the form opposite opening in base of punch to prevent it from becoming clogged. Made of best tool steel, tempered.

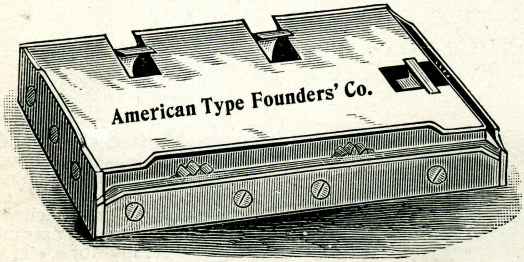
For 1/8, 3/16, or 1/4 inch hole, each $1 00

MAHOGANY AND IRON STEREOTYPE BLOCKS.

Mahogany Blocks are made of the best San Domingo mahogany, thoroughly seasoned, and are first-class in every detail. All blocks are made to order at short notice.



New Style Block, with Patent Side and End Hooks.



Improved Plain Old Style Block, with Patent End Hook.

IMPORTANT POINTS.

Do not order a set of blocks, nor make up a form of patent blocks for press, until you know the exact size of chase that must hold the blocks, and the thickness and position of its cross-bars. Ascertain also the exact size of paper for which the blocks are intended, and whether the leaves of paper, after printing, are to be cut or uncut, and to be sewed or stitched. In making up blocks, if paper is to be uncut and sewed, allow nothing for loss by waste on the fore edge; if it is to be side-stitched and trimmed, make suitable allowance for margin that will be concealed by wire stitching in binding.

CAUTION—To Avoid Errors. In sending orders, give the size of each block outside, and also the size of largest and smallest plate to be worked, *measuring the back of the plate;* or add ¾ of an inch to the printing matter, as follows, viz.: If the matter is 3×5, the blocks should be 3¾×5¾ outside, the bevel on the plate being about ⅛. The hook and pinion will take ⅝ with a little allowance for taking the plate free. All blocks are made ¾-inch thick, unless otherwise ordered.

WITHOUT END HOOKS, FOR PLATEN PRESSES.

To get the price of blocks with head brass, but no end hook, take the price of the next largest size in Price List. Add 50 cents each for extra hooks and pinions inserted in blocks.

SIZES.	Outside Dimensions of Blocks.	*Size of Smallest Plate including Bevel.	No. of Side Hooks.	Imp. Plain Old Style.	Patent New Style.	Patent New Style Iron.	Proper Number of Blocks to Work a Sheet of Paper.
Folio—							
Imperial	16 ×22½	14¾×21¼	4	$5 00	$6 25	$16 00	4 blocks to 33×46
Super-Royal	13½×21½	12¼×20¼	4	4 55	5 70	15 00	2 blocks to 22×28
Royal	12½×19½	11¼×18¼	4	4 20	5 25	14 00	4 blocks to 26×40
Medium	11½×18½	10¼×17¼	4	3 90	4 80	13 00	4 blocks to 24×38
Quarto—							
Imperial	11 ×16	9¾×14¾	4	3 75	4 50	12 00	8 blocks to 33×46
Super-Royal	10½×13½	9¼×12¼	3	3 10	3 75	10 50	4 blocks to 22×28
Royal	9½×12½	8¼×11¼	3	2 95	3 50	10 00	8 blocks to 26×40
Medium	9 ×11½	7¾×10¼	3	2 80	3 30	9 50	8 blocks to 24×38
Octavo—							
Imperial	7¾×11	6½× 9¾	3	2 65	3 10	9 00	16 blocks to 33×46
Super-Royal	6½×10½	5¼× 9¼	3	2 50	2 90	8 50	8 blocks to 22×28
Royal	6 × 9½	4¾× 8¼	3	2 40	2 75	8 00	16 blocks to 26×40
Medium	5½× 9	4¼× 7¾	3	2 30	2 60	7 75	16 blocks to 24×38
Demy	5¼× 7¾	4 × 6½	3	2 20	2 45	7 50	32 blocks to 33×46
Duodecimo—							
Broad	5¼× 6¾	4 × 5½	2	1 65	1 90	. .	24 blocks to 23×41
16mo—							
Super-Royal	5 × 6½	3¾× 5¼	2	1 50	1 70	. .	16 blocks to 22×28
Medium	4½× 6	3¼× 4¾	2	1 40	1 60	. .	32 blocks to 26×40
Demy	3¾× 5¼	2½× 4	2	1 30	1 50	. .	32 blocks to 23×33
18mo—							
Medium	3½× 5¾	2¼× 4½	2	1 30	1 50	. .	18 blocks to 19×24
32mo—							
Super-Royal	3 × 5	1¾× 3¾	2	1 20	1 40	. .	32 blocks to 22×28

* A block will take on a plate ¾-inch smaller each way than its outside dimensions.

WITH END HOOKS FOR CYLINDER PRESSES.

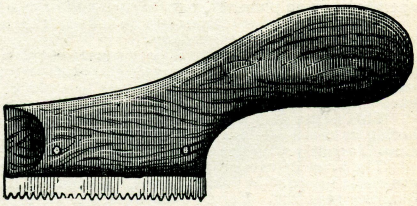
See "Caution" and other information on opposite page before ordering.

SIZE.	Outside Dimensions of Blocks.	*Size of Smallest Plate including Bevel.	No. of Side Hooks.	No. of End Hooks.	Imp. Plain Old Style.	Patent New Style	Patent New Style Iron Blocks.	Proper Number of Blocks to Work a Sheet of Paper.
Folio—								
Imperial	16 × 22½	14¾ × 21¼	4	3	$7 25	$8 50	$21 00	4 blocks to 33×46
Super-Royal	13½ × 21½	12¼ × 20¼	4	3	6 80	7 95	19 50	2 blocks to 22×28
Royal	12½ × 19½	11¼ × 18¼	4	3	6 40	7 45	18 25	4 blocks to 26×40
Medium	11½ × 18½	10¾ × 17¼	4	3	6 10	7 00	17 25	4 blocks to 24×38
Quarto—								
Imperial	11 × 16	9¾ × 14¾	4	2	5 30	6 10	15 00	8 blocks to 33×46
Super-Royal	10½ × 13½	9¼ × 12¼	3	2	4 50	5 25	13 50	4 blocks to 22×28
Royal	9½ × 12½	8¼ × 11¼	3	2	4 25	4 90	12 75	8 blocks to 26×40
Medium	9 × 11½	7¾ × 10¼	3	2	4 00	4 60	12 25	8 blocks to 24×38
Octavo—								
Imperial	7¾ × 11	6½ × 9¾	3	1	3 30	3 80	10 75	16 blocks to 33×46
Super-Royal	6½ × 10½	5¼ × 9¼	3	1	3 15	3 60	10 00	8 blocks to 22×28
Royal	6 × 9½	4¾ × 8¼	3	1	3 00	3 40	9 50	16 blocks to 26×40
Medium	5½ × 9	4¼ × 7¾	3	1	2 85	3 25	9 00	16 blocks to 24×38
Demy	5¼ × 7¾	4 × 6½	3	1	2 70	3 10	8 50	32 blocks to 33×46
Duodecimo—								
Broad	5¼ × 6¾	4 × 5½	2	1	2 05	2 45	. .	24 blocks to 23×41
16mo—								
Super-Royal	5 × 6½	3¾ × 5¼	2	1	1 95	2 30	. .	16 blocks to 22×28
Medium	4½ × 6	3¼ × 4¾	2	1	1 85	2 15	. .	32 blocks to 26×40
Demy	3¾ × 5¼	2½ × 4	2	1	1 75	2 00	. .	32 blocks to 23×33
18mo—								
Medium	3½ × 5¾	2¼ × 4½	2	1	1 75	2 00	. .	18 blocks to 19×24
32-mo								
Super-Royal	3 × 5	1¾ × 3¾	2	1	1 65	1 85	. .	32 blocks to 22×28

*A Block will take on a plate ¾-inch smaller each way than its outside dimensions.

RATCHETS FOR STEREOTYPE BLOCKS.

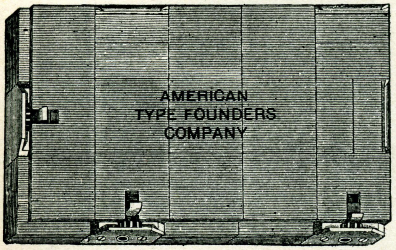
Brass, each $0 50
Steel, each 0 75



EXTRAS FOR STEREOTYPE BLOCKS.

Steel Pinions, each $0 15
Hooks, each 0 10

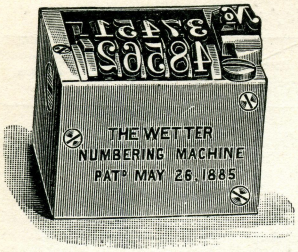
STEREOTYPE SECTIONAL METAL BLOCKS



Consist of metal sections, made up of pieces 2×4, 2×8, 4×4, 4×8, and 8×8 ems Pica. Hooks are inserted in the largest sections, which may be arranged on any part of the block, and can be adapted for bed and platen or cylinder presswork. With an assortment of the sections or furniture, the printer may, by a proper combination, prepare a set of blocks to take on a page of any size. To extend size of sectional block, in case there is a shortage of sections, metal furniture not exceeding two ems Pica wide may be used.

Sections with hook, each $1 10
Brass catches, each 0 15
Sections or furniture, per pound 0 25

WETTER NUMBERING MACHINE.



No. 1, actual size, Style J.

Adapted to the requirements of every printer. Permits printing and numbering at one impression. Can be used on any make of press. Numbers automatically from the unit to its full numerical capacity. It can be used with or *without* the character "No." Other characters, such as a star, parenthesis, fist, cipher, or any letter, can be used to either precede or follow the figures. Produces clean, smooth and distinct figures. Styles of figures **J** and **K** are most used, and can be furnished promptly, but other and also larger styles can be supplied to order if sufficient time is allowed to cut same.

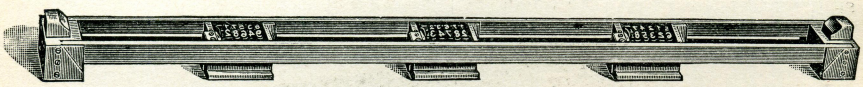
The 5-wheel style **J** machine occupies a surface space of ⅞ inches in width by 1¼ inches in length.

J 1234567890 K 1234567890

Style **J** or **K**, five wheels, numbering up to 99999 . . . . . $25 00
Style **J** or **K**, six wheels, numbering up to 999999 . . . . . 28 00
Style **J** or **K**, seven wheels, numbering up to 9999999 . . . . . 31 00

Unless otherwise ordered, 5-wheel style **J** machine will be sent.

WETTER NUMBERING FRAME.



Specially designed for the purpose of using one or more numbering machines at one time, and operated by two plungers, one on each end of the frame.

Any number of machines can be used in this, and can be set whatever distance apart where the work is directly across the sheet.

This frame makes it possible to operate twelve machines with but one plunger on each end. The plungers touch outside the paper, thereby leaving nothing but the clear, unmarred figures on the surface. Any character or design may precede or follow the numbers, if desired, the same as when used singly and apart from the frame.

This frame makes it possible to do twelve times as much work in almost every variety of numbering as could be done with foot-power machines. The "Wetter" will do a great deal more work simultaneously with the printing.

The price of extra machines to use in the frame is the same as the regular machine. The frames are made to order in various sizes, on which it is impossible to quote price until size is known and quantity required. For all such work special prices will be given.

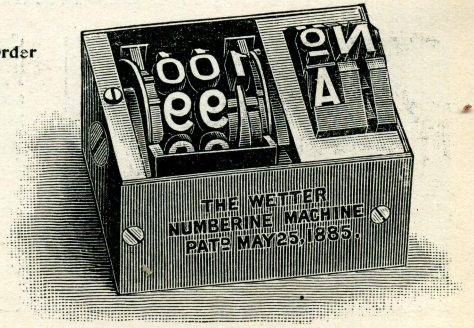
SPECIAL WETTER NUMBERING MACHINES.

See description and prices on opposite page.



No. 3.

Made to Order only.



No. 4.

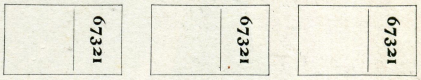
No. 3. WETTER MACHINE FOR SMALL RAILROAD WORK.

(*See cut page 80.*)

Numbers on extreme end, as shown on diagram. Plunger is at foot of machine, and does not strike the printed sheet. Occupies only ⅝-inch space on ticket when locked in form.

1234567890

Style of Figures for No. 3 Machine.



No. 3. 5-wheel (figures as above) $25 00
No. 3. 6-wheel 28 00
No. 3. 7-wheel 31 00

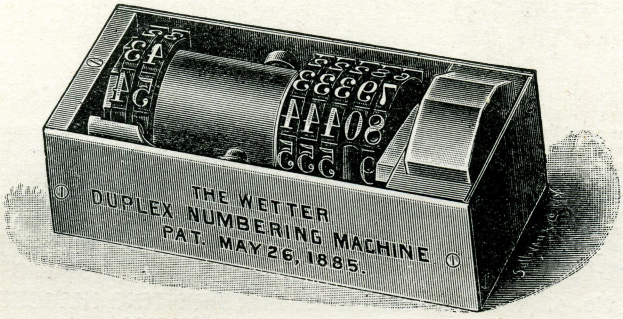
No. 4. WETTER MACHINE FOR NUMBERING CASH SALE SLIPS.

(*See cut page 80.*)

Made to number automatically from 100 to 1, or 50 to 1. Object of numbers running backward is to avoid expense of collating sheets after printing. Can be made to number forward. After printing to 100 or 50 they commence again at 1. Plunger wheel can be made with a letter wheel to print A, B, C, D, E, F, G and H, or letter slides may be used in plunger, and any of these letters or the character "No." can be used at will by turning the wheel until the desired letter is on top.

Price, 3-wheel, with letter wheel $25 00

No. 5. WETTER DUPLEX MACHINE FOR NUMBERING DUPLEX RAILROAD TICKETS.



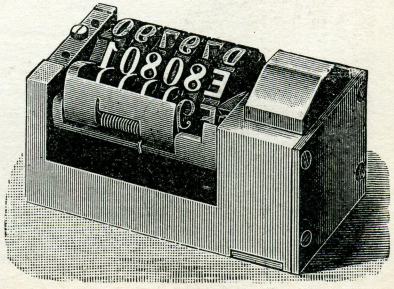
Numbers tickets on both sides and also on stub at one impression. Ticket numbers generally run from 1 to 100 or 0 to 99, and changes consecutively the book number which runs from 1 to 9999 or 1 to 99999. Can be arranged to change once at every one hundred impressions of ticket number, or can be made stationary, so that changes can be made by hand. There are three machines to a set—one for stub and one for each side of the ticket, to be used in same manner as ordinary Wetter Numberer, needing no attachment of any kind.

Set of three machines, net $120 00

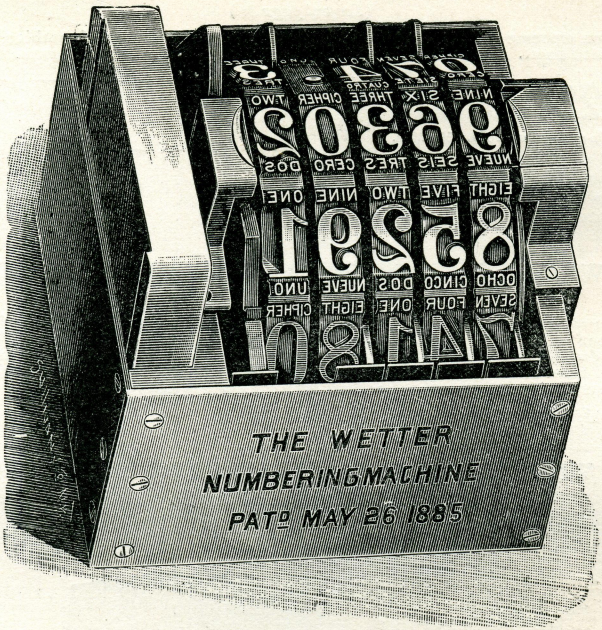
No. 7. WETTER MACHINE FOR NUMBERING BOND COUPONS.

Numbers with or without serial attachment. ⅞-inch wide, and can be used on narrowest bond coupons. Letter wheel can be placed on end to indicate serial No. A, B, C, D, E, F, G, H, I or J; or the serial letter or character "No." can be placed close to figure, thus—A1.

Price, 5-wheel $25 00
Price, 6-wheel 28 00
Price, 7-wheel 31 00



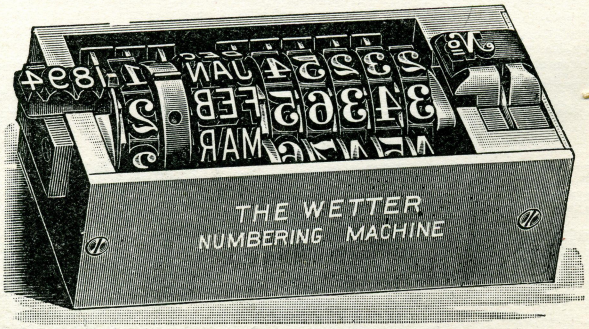
No. 8. WETTER MACHINE FOR NUMBERING LOTTERY TICKETS.



These are considerably more than type high, and the printing-press bed must be sunk or cut out so it will take in a thickness of two inches. We can supply presses for this purpose. Denominations of the figures can be spelled out under and over the figures in any language. Parenthesis marks can be placed at each side of a figure, thus—(1) to (9). At changing to 10 the parenthesis is moved back one step, and may be changed to include all figures until the full number (99999) is printed. Prices on application. Send full details and samples of work required. We show example of the figures used.

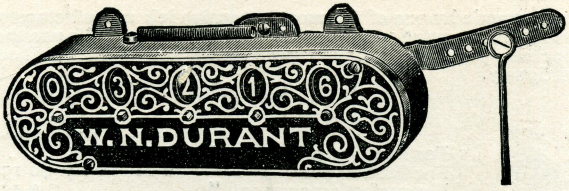
SIX SEVEN EIGHT NINE CIPHER
(67890)
SEIS SIETE OCHO NUEVE CERO

No. 9. WETTER MACHINE FOR PRINTING NUMBER AND DATE SIMULTANEOUSLY.

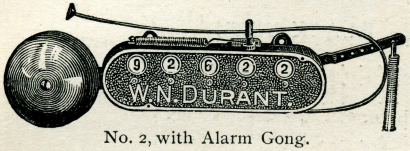


Designed for printing tickets, envelopes, or documents requiring both date and number, such as church envelopes, thus—same as the regular Wetter with month wheel, date 25098 JAN23-1896 Works automatically, Machine. Price, 5-wheel, wheels, and year plates, net $38 00

DURANT COUNTER.



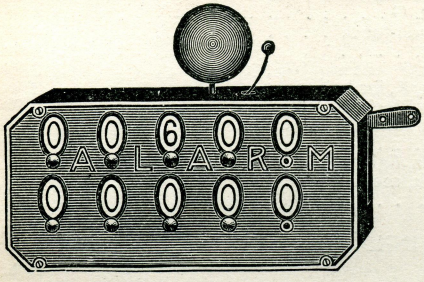
This counter gives perfect satisfaction. It is as reliable as it is strong, durable, and attractive.



No. 2, with Alarm Gong.

No. 1, 4-dial, counts 10,000 . . . $ 8 00
No. 2, 5-dial, counts 100,000 . . . 10 00
No. 3, 6-dial, counts 1,000,000 . . . 12 00
No. 2A, 5-dial, with 4-inch gong, to give alarm at each 100 . . . . . 15 00

DOUBLE DIAL ALARM COUNTER.



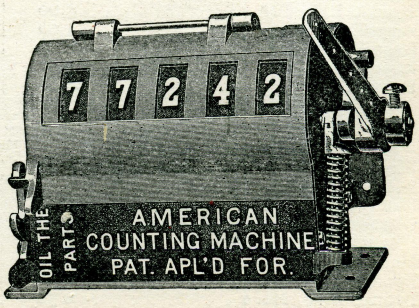
This counter is so constructed that the lower dials show the number run like the usual counter. The upper dials are the alarm device, and can be set (instantly without taking from the case, by thumb-screw or key) to any desired number you wish to print, and when that number is printed the bell will ring. To illustrate: Set the alarm on 600, if that is the number you wish to run, with lower dials on ciphers. First revolution of the machine the lower dials will show 1, and the upper dials 599 or one less, and so on until 600 is run, when the upper dials will stand at (000) ciphers and the bell will ring. Any time you look at the counter it will show how many yet to run. Perfectly simple in construction. No more springs are used than in an ordinary counter, and all are made of best piano wire. This counter has an iron case, and very legible figures.

No. 1. Double Dial Alarm, 5×8, ½-inch figures, registering 100,000 . . . . . $15 00

AMERICAN COUNTING MACHINE.

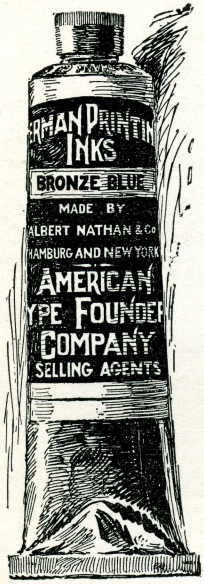
Has no superior for strength, accuracy, reliability. Can be set to zero, or any number, with the fingers with the greatest ease. There are no springs inside this counter, and all movements of the figure-dials are so positive that it is impossible for them to miss registering. The case may be screwed to the wall or on a table, and the lever can be set to any position, and will work from front or back. The figures are cast solid, nickel-plated, and are very legible.

Price $10 00



GERMAN PRINTING INKS.

These inks are made by one of the most extensive ink manufacturers in the world, and have a world-wide reputation for quality and uniformity. We use them exclusively on our own specimen printing. Inks for special work and to match all colors furnished to order expeditiously.



SUPERIOR NEWS INKS.

	5 and 10 lb. cans.	28 and 56 lb. cans.	112 lb. barrels.	224 lb. barrels.	450 lb. barrels.
For hand presses, per lb.	$0 20	$0 15	. . .	. . .	. . .
For flat-bed presses, "	0 18	0 14	$0 13	$0 12	$0 12
For perfecting presses, "	. . .	. . .	0 13	0 12	0 12

N. B.—All inks listed at $1.50 and over supplied in ¼-lb. tubes if so ordered, but at a lesser discount than is allowed on inks sold in cans.

BLACK INKS.

	Per lb.
Book Ink, N	$0 25
Book Ink, M	0 50
Job Ink, M	0 50
Brilliant Black, L, book	0 75
Brilliant Black, L, job	0 75
Fine Book and Job, K	1 00
Columbian Black, H, for half-tones	1 00
Insurance Policy Black	1 00
Union Black, I, job	1 50
Union Black, I, for half-tones	1 50
Fine Job and Cut, G	2 00
Fine Cut, G, for half-tones	2 00
Gloss Black	2 00
Fine Union Black, F, cut and job	3 00
Fine Union Black, F, for half-tones	3 00
Extra Fine Union Black, E, cut and job	5 00
Extra Fine Union Black, E, for half-tones	5 00
Blue-Black, dark	1 50
Bronze Blue-Black, light	2 50
Bronze Blue-Black, medium	2 00
Fine Green-Black	2 00

RED INKS.

	Per lb.
Geranium Carmine, 00	$10 00
Geranium Carmine, 1	8 00
Geranium Lake, dark	5 00
Geranium Lake, medium	5 00
Geranium Lake, light	5 00
Madder Lake	10 00
Bronze Carmine	5 00
Levantine Red	5 00
Claret Color	5 00
Nassau Lake	4 50
Scarlet Lake	4 00
Rose Lake, dark	4 00
Rose Lake, medium	3 00
Rose Lake, light	3 00
Deep Cherry	4 00
Crimson Lake	$4 00
Carmine Vermilion	4 00
Brilliant Red, dark	3 00
Brilliant Red, medium, Lake shade	2 00
Paris Lake	2 50
Chinese Vermilion	2 00
Hamburg Red	2 50
Brilliant Lake, B	1 50
Brilliant Lake, G, Lake shade	1 50
Deep Red	1 50
Brilliant Red, light	1 00
Granat Vermilion	1 00
Poster Red	0 50
Poster Orange	0 50

BLUE INKS.

Blue Lake, dark	$5 00
Blue Lake, light	5 00
Milori Blue	3 00
Ultramarine, dark	3 00
Ultramarine, light	1 50
Imperial Blue	3 00
Bronze Blue, No. 1	2 50
Bronze Blue, No. 2	2 50
Prussian Blue	$2 50
Brussels Blue	2 50
Oriental Blue	2 50
Marine Blue	2 00
Peacock Blue	4 00
Deep Blue	1 50
Poster Blue	0 50

GREEN INKS.

	Per lb.		Per lb.
Brilliant Green, light	$5 00	Silk Green, dark	$2 00
Brilliant Green, deep	5 00	Silk Green, medium	2 00
Victoria Green, dark	5 00	Silk Green, light	1 50
Victoria Green, light	4 00	Olive Green	2 00
Viridin Blue	5 00	Poster Green, light	0 50
Bronze Green	4 00	Poster Green, dark	0 50
Green Lake	3 00		

BROWN INKS.

Brown Lake	$4 00	Terra di Sienna	$2 00
Photographic Brown	3 00	Mahogany Brown	2 00
Virginia Brown	3 00	Ochre	1 00
Bismarck Brown	3 00	Poster Brown	0 50
Velvet Brown	2 50		

YELLOW INKS.

Chrome Yellow, deep	$2 00	Persian Yellow	$2 00
Chrome Yellow, light	2 00	Sulphur Yellow, dark	2 00
Chrome Orange	2 00	Yellow, medium	1 00
Zinc Yellow	2 00	Poster Yellow	0 50

PURPLE INKS.

Violet Lake, reddish	$10 00	Brilliant Violet	$4 00
Violet Lake, bluish	8 00	Violet No. 1	4 00

GOLD INK.

Pale Gold	$5 00
Rich Gold	5 00

WHITE INKS.

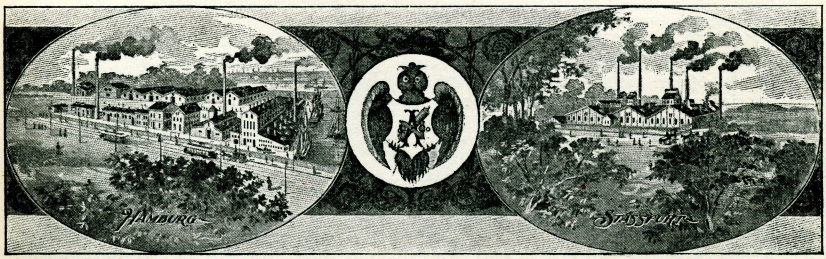
Extra Fine Body White (prints white)	$1 50
Fine White, for tints	1 00

TINT INKS.

Any shade	$1 00

COPYABLE INKS.

Purple	$5 00	Blue	$5 00
Black	5 00	Scarlet	5 00
Red	5 00	Green	5 00



Factories in which Albert Nathan & Co.'s Inks are made. Every ingredient used in high-grade Inks is made in these factories.

BRONZE SIZE.

	Per lb.
Yellow	$1 50
White, for silver bronzes	1 50

REDUCING VARNISHES.

FOR REDUCING COLORED AND FINE BLACK INKS.

	Per lb.	Per gal.
Pure Linseed, bleached, A, very soft	$0 50	$2 25
Pure Linseed, bleached, B, soft	0 55	2 25
Pure Linseed, bleached, C, medium	0 60	2 50

ORDINARY, FOR REDUCING BLACK INKS.

Ordinary	$0 30	$1 00

GLOSS VARNISHES.

	Per lb.
Transparent Gloss Varnish, for mixing into inks	$1 50
Body Gloss Varnish, for printing over black and colored inks	1 50

DRYERS.

Body Dryer, will not reduce consistency or body of inks	$1 50
Fluid Dryer	1 50

NOTE—From one to two per cent. of above dryers can be safely used in colored inks, and from three to eight per cent. in black inks.

BRONZE POWDERS.

	Per oz.	Per lb.
Extra Fine Brilliant Rich Gold No. 1	$0 40	$3 50
Extra Fine Brilliant Pale Gold No. 1	0 45	4 50
Extra Fine Brilliant No. 1, Crimson, Copper, Fire or Green	0 45	4 50
Extra Brilliant Rich "Electra" Gold No. 2	0 35	3 00
Extra Brilliant Pale "Electra" Gold No. 2	0 40	4 00
Brilliant Pale Gold No. 3	0 25	2 00
Brilliant No. 3, Crimson, Copper, Fire or Green		3 00
Rich or Pale Gold, grade A		1 00
Pale Gold, grade B		1 25
Silver No. 1	0 50	5 00
Silver No. 2	0 40	3 50
Silver No. 3	0 25	2 50
Aluminum		4 00
Patent Bronzes (Light Blue, Dark Blue, Blue Green, Deep Green, Sea Green, Yellow Green, Amaranth and Violet)		4 00

EUREKA TYPE WASH.

The most effective powder preparation for removing ink from type rollers and plates Does not injure brushes, corrode type, nor hurt the hands. Directions on every package. While its action is gentle, it is quite as effective for cleaning as the most powerful lye. One pound of powder will make eight gallons of washing fluid.

1-pound cans, each	$0 20
5-pound cans, each	0 75
10-pound cans, each	1 25
50-pound tubs, each	5 00



CHESAPEAKE ECONOMY COMPOUND.

The Effective Ink Reducer for both Lithographic and Letter-press Inks.

IT IS PURE. — Chesapeake Economy Compound is absolutely free from mineral petroleum products or acids of any kind, and is perfectly safe. Varnishes may be added, if required.

IT HELPS INKS.—Any kind or color of ink mixed with Chesapeake Economy Compound will not dry on forms or rollers, and will not skin when exposed to the air. Upon being mixed with ink, Economy Compound becomes thoroughly identified with it, and with less weight of ink a solid, sharp print is obtained. Inks mixed with Economy Compound will cover 30 per cent. more paper than if used without it.



IT PREVENTS TROUBLE.—Coated and surface papers will not pull if printed with ink mixed with Economy Compound, and the use of the Compound tends to prevent off-set and to make inks dry quicker on paper. It is not necessary, as a rule, to wash up rollers at night when inks are mixed with Economy Compound, as the inks will not dry on rollers. Economy Compound keeps lithographic stones in good condition, and inks mixed with it lift well from the stone.

1-pound cans	$0 75
5-pound cans	3 25
10-pound cans	6 00
25-pound kegs	13 75
50-pound kegs	25 00

A FEW OPINIONS.

The Pioneer Press Co., St. Paul, Minn.: "Ship us 50 pounds Economy Compound, same as furnished heretofore."

P. F. Pettibone & Co., Chicago: "We have been using Economy Compound in our press room for some months, and find it a very fine article indeed."

John A. Lowell & Co., Boston: "We find Economy Compound most excellent for printing heavy black forms on enameled or coated stock, enabling us to turn out the work quickly and without offsetting."

Oxford Publishing House, Baltimore, Md.: "Economy Compound is doing more than is claimed for it. We get full 30 per cent. more from our inks and a much better result in the way of solid color than we did before using it, and the fact that long runs can be left over night ready to start in the morning without washing up is a great saving of both time and ink, especially on hurried work. We have used it for six months and would not be without it."

G. H. Dunston, Buffalo, N. Y.: "Economy Compound is the best reducer we have ever used, especially in cases where ink has hardened. This formerly caused us trouble and loss, as it was frequently necessary to throw away such ink; but with this reducer we can put the ink in proper condition for use."

Matthews-Northrup Co., Buffalo, N. Y.: "As good a reducer as we have ever used."

Magee Printing House, Philadelphia: "It does everything claimed for it. We are very much pleased with it."

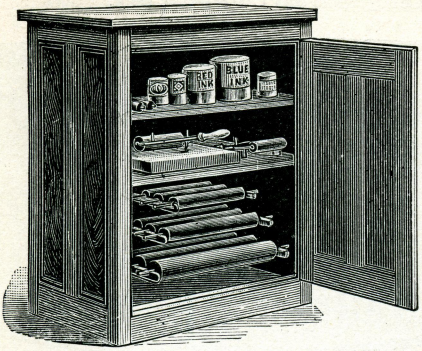
INKOLEUM.



A liquid preparation of world-wide fame for reducing and refining printing inks without impairing the color. It makes intractable inks work smoothly on discs, cylinders and rollers, and, mixed with caked inks, makes them useful again. Handy to have in the press room, as it is invaluable in cases of emergency.

Per bottle, half pound $0 50

INK AND ROLLER CABINETS.



A very necessary article of printing-office furniture. The use of it will result in a saving of ink and rollers, which will speedily pay for the cost of cabinet.

No. 1, with shelf for ink, shelf for brayer and ink slab, and brackets to hold 6 eighth and 6 quarto rollers $6 50

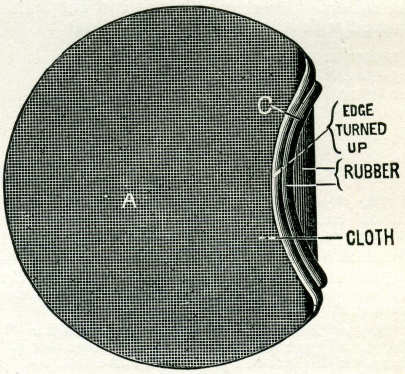
No. 2, with shelf for ink, shelf for brayers and ink slabs, and brackets for 6 each eighth, quarto and half-medium rollers 9 50

No. 3, with shelf for ink, shelf for brayers and ink slabs, and brackets to hold 12 each eighth, quarto and half-medium rollers 13 00

ADAMSON DISC COVER.

Makes Copying Inks Work Easy.

Cold iron and copying inks repel each other. To avoid trouble, slip an Adamson Disc Cover over your disc. It is made of special cloth, lined with rubber. Iron dries the ink, deadens it, wastes it. The cloth disc gives good distribution, becomes saturated with ink like a stamp pad, and saves 50 per cent. of ink. When job is done, lift off disc cover. Saves washing time, and all the ink in cover is available the next time you use it. In ordering send the exact size of ink disc.



Directions for Using.

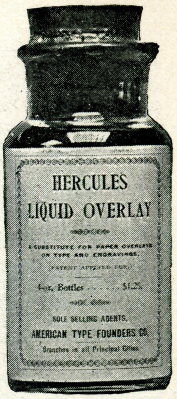
Place the edge or rim of the cover over the lower edge of the disc, and gently draw the cover over the disc, stretching it no more than necessary to just get it over the upper edge. See that the cover lays smoothly on the disc. With a moist (not wet) sponge wipe the upper or cloth face of the cover to remove any dust or foreign particles that may be adhering to it. Then put up ink, and run until distributed. This will take several minutes the first time the disc is used, as the ink should be put on a little at a time until the cover is saturated. After the first run it will only be necessary to put on the cover, and go ahead, as the ink once distributed remains on the cover. Do not wash the disc.

In putting on the cover the first time, be careful that the ratchet pawl, or any retarding spring or brake on the disc, does not catch and tear the edge of the cover. Turn the disc or plate slowly by hand for one full revolution before starting up the press.

For press 7 ×11 inches, net	$1 75
For press 8 ×12 inches, net	1 75
For press 9 ×13 inches, net	1 75
For press 10 ×15 inches, net	2 25
For press 11 ×17 inches, net	2 75
For press 12 ×18 inches, net	2 75
For press 13 ×19 inches, net	2 75
For press 14 ×20 inches, net	3 00
For press 14½×22 inches, net	3 25

Send exact size of disc when ordering.

HERCULES LIQUID OVERLAY.



A substitute for paper overlays, giving a finer, quicker make-ready, and saving lots of time and tedious work. It is put on thinly with a camel's-hair brush, and the first application should be allowed to dry before putting on another, if the first is not heavy enough. It dries very quickly. If the Liquid Overlay is put on too thickly, the overlay is reduced by scraping it with fine emery cloth.

Each pressman should have an independent supply in a small phial suitable for carrying in the vest pocket.

4-ounce bottle, net $1 25
8-ounce bottle, net 2 00

Full directions with each bottle.

BURBANK'S EMBOSSING COMPOSITION.

This is an approved and satisfactory liquid chemical preparation for making counter dies for embossing, which, after exposure for a few minutes to light and air, hardens into a stone-like substance, making a perfect counterpart.



Specially adapted for making counter dies for Hand and Power Embossing Presses listed in this Price List.

It is easily applied, according to directions printed on every can, and greatly simplifies and cheapens the process of embossing.

Price, net $0 75

LAWLOR'S "EMBOSSING MADE EASY."

This book explains lucidly and gives directions for several processes of embossing. It is the standard work on the subject.

Price, net $1 00

"BENTROVATO."

[TRADE MARK.]

Dispels Electricity from Paper on Printing Presses.

A chemical fluid preparation which, applied in a small quantity to the tympan sheet by means of a sponge, cloth or cotton waste, effectually dispels the electricity generated in cylinder presses—a difficulty which results in serious losses to printers.

In all offices where there is a tendency toward this trouble, a bottle of "Bentrovato" will prove as valuable as the proverbial "stitch in time."

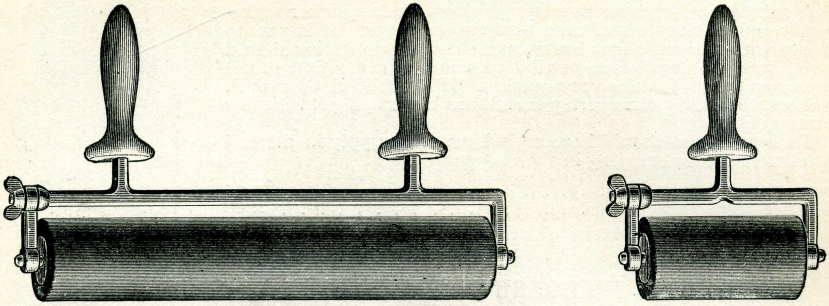
"Bentrovato" is used in a majority of the larger printing offices throughout the United States.

American Type Founders' Co.: Please send me at once by American Express one bottle of "Bentrovato." I should not like to be without it, even if it cost $10 per bottle. Our devil knocked over the first bottle you sent us. I bought it with no faith, simply because I was willing to try anything. Our paper was as if possessed by ten thousand devils. The trouble ended at once and completely with the use of the "Bentrovato."—WALTER B. SHEPPARD, publisher of the Pan Yan *Democrat* (founded in 1818).

Per bottle, net $0 50



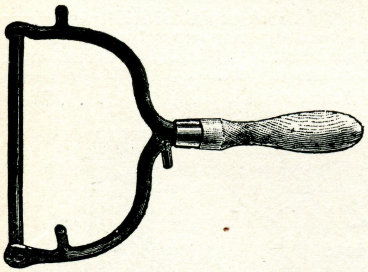
HAND ROLLERS.



The frames of Nos. 1 to 7 are of wrought iron, the other frames of malleable iron. When complete rollers are ordered, we furnish them with the best roller composition. There is no economy in cheap roller composition.

	Number of Handles.	Frame with Stock.	Extra Stocks, each.	Complete with Composition.
6 in.	1	$1 25	$0 40	$1 75
8 in.	1	1 25	0 40	1 85
10 in.	1	1 50	0 50	2 20
12 in.	1	1 75	0 60	2 55
14 in.	2	2 00	0 70	3 00
16 in.	2	2 25	0 80	3 45
18 in.	2	2 50	0 90	3 90
19½ in.	2	2 65	0 95	4 15

No.	Number of Handles.	Frame with Stock.	Extra Stocks, each.	Complete with Composition.
1, 19½ in.	1	$2 75	$0 95	$4 25
2, 22½ in.	1	3 00	1 00	5 00
3, 26½ in.	1	3 50	1 10	5 75
4, 31½ in.	1	4 00	1 25	6 25
4½, 36½ in.	1	4 50	1 40	6 75
5, 39½ in.	1	4 65	1 45	7 25
5½, 41½ in.	1	4 80	1 50	7 50
6, 44½ in.	1	5 00	1 55	8 00
7, 48½ in.	1	5 50	1 70	8 50



PROOF ROLLERS.

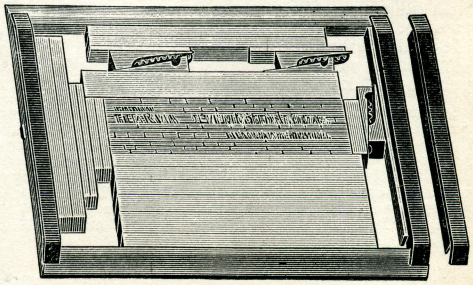
Malleable iron frame, wooden core and handle.

	Frame and Core.	Roller Complete.
6-inch	$1 00	$1 50
8-inch	1 05	1 60
10-inch	1 10	1 75
12-inch	1 25	2 00

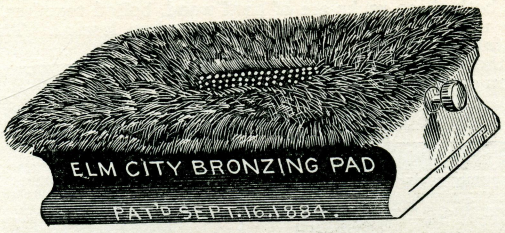
STEEL ROLLER SUPPORTERS.

The best bearers yet devised for job presses. They only take up a quarter of an inch of the inside space of a chase, ease the pressure of the rollers on the form, prevent over-inking, equalize the impression, and save the rollers from cutting, as they are ⅞-inch wide on top.

	Per pair.
For 5 × 9 chase	$0 35
For 7 × 11 chase	0 40
For 8 × 12 chase	0 45
For 10 × 15 chase	0 50
For 11 × 17 chase	0 60
For 13 × 19 chase	0 75
For 14 × 20 chase	0 90
For 14½ × 22 chase	0 90



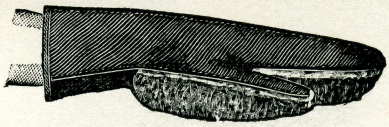
ELM CITY BRONZING PAD.



This has become an article of necessity in the press room. Saves time and bronze, and insures clean work.

Large, 2½×6 inches $2 50
Small, for light work, 2½ inches square 1 50

BRONZING MITTEN.



A convenient appliance for bronzing. Made from sheep's wool, with strong cloth back, and is impervious to bronze.

Each $0 50

BRONZE POWDERS.

See Specimens in our Ink Specimen Book.

	Per oz.	Per lb.
Extra Fine Brilliant Rich Gold No. 1	$0 40	$3 50
Extra Fine Brilliant Pale Gold No. 1	0 45	4 50
Extra Fine Brilliant No. 1, Crimson, Copper, Fire or Green	0 45	4 50
Extra Brilliant Rich "Electra" Gold No. 2	0 35	3 00
Extra Brilliant Pale "Electra" Gold No. 2	0 40	4 00
Brilliant Pale Gold No. 3	0 25	2 00
Brilliant No. 3, Crimson, Copper, Fire or Green		3 00
Rich or Pale Gold, grade A		1 00
Pale Gold, grade B		1 25
Silver No. 1	0 50	5 00
Silver No. 2	0 40	3 50
Silver No. 3	0 25	2 50
Aluminum		4 00
Patent Bronzes (Light Blue, Dark Blue, Blue Green, Deep Green, Sea Green, Yellow Green, Amaranth and Violet)		4 00

BRONZE SIZE.

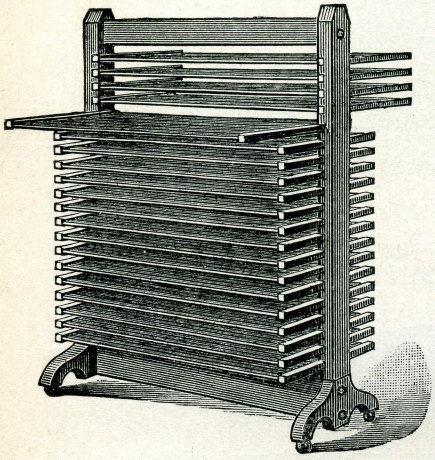
Yellow $1 50
White, for silver bronzes 1 50

GOLD INK.

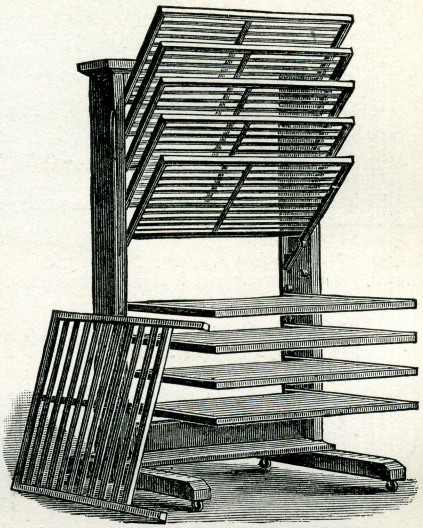
Pale Gold $5 00
Rich Gold 5 00

MOVABLE DRYING RACKS.

The frames of both these racks are of hard wood, bolted together, and mounted on strong casters, so that they can be easily moved when loaded. The shelves of the Chicago Rack are framed all around with hard wood, while those of the New York Rack are framed on ends only.



No. 1 New York Drying Rack.



No. 6 Chicago Drying Rack.

NEW YORK DRYING RACKS.

No. 1, 20 shelves, each 24×36 in. . . $14 00
No. 2, 30 shelves, each 24×36 in. . . 20 00
No. 3, 20 shelves, each 28×42 in. . . $20 00
No. 4, 30 shelves, each 28×42 in. . . 28 00

The No. 1 rack (the cheapest) gives a drying area of one hundred and twenty square feet, while actually using only six square feet of your costly floor space.

CHICAGO DRYING RACKS.

No. 5, 12 shelves, each 2×2 feet . . $14 00
No. 6, 10 shelves, each 2×3 feet . . $18 00
No. 7, 10 shelves, each 2½×4 feet . . $23 00

This rack is the most substantial movable drying rack made. Although it has fewer shelves than a New York, the extra space between the shelves is a distinct advantage, as on small jobs the sheets can be handled without moving the shelf on which they are placed. When not in use the shelves may be put out of the way, as illustrated in cut.

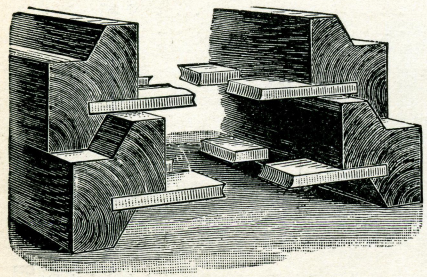


Figure 2. End View of Interlocking Device.

BEST RACKS FOR LARGE EDITIONS.

On opposite page we describe a patented rack which has saved large firms thousands of dollars per year by enabling them to utilize their floor space to the utmost extent, making slip-sheeting unnecessary on very many jobs and preventing wastage by handling sheets. The interlocking device and method of inserting the slats into the sides is very plainly illustrated in Figure 2. No large establishment can afford to use wall-racks now that these effective racks, used in connection with trucks, will save their cost every month in the year.

KŒRNER'S PATENT INTERLOCKING DRYING RACKS.

(United States Patent, No. 392,735; Canadian Patent, No. 28,739.)

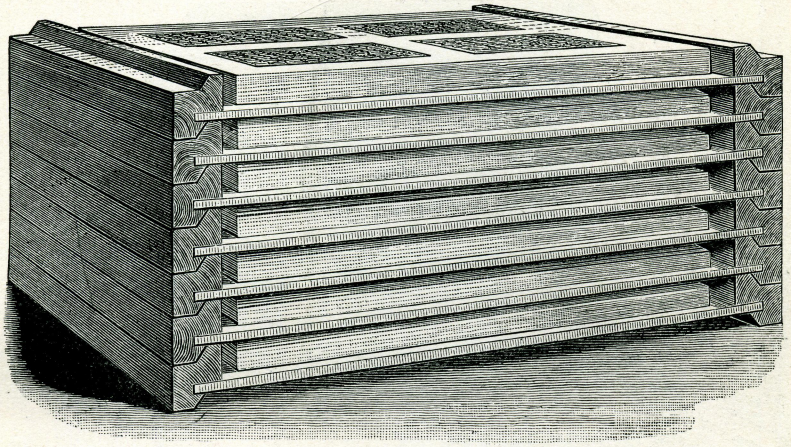


Fig. 2. Interlocking Racks Stacked with Paper, Straight and Rigid.

These racks are for establishments which work on long runs, for color work, and for lithographers. They are used on *Puck* and *Truth*, and the American Lithographing Company has over 25,000 of them in its various establishments in New York City alone.

With these racks sheets are taken direct from the fly of the press, and may be stacked ceiling-high in a perfectly straight and rigid pile, which cannot be knocked over by accident, and with no more weight on the bottom than on the top sheets. This pile is a most effective drying room, occupying only the floor space of one rack, and from the time the sheets are fed into the machine until ready for shipment they need not be handled. The interlocking device, which makes the pile straight and rigid, is shown in Figure 2. Each rack is firmly locked on its neighbor, but each slides with ease on the rack immediately below it. They save handling, all the time of that operation, and the consequent waste of paper through offset, smearing, finger-marks and tearing. In many cases these racks save expensive slip-sheeting. They circumvent electricity by receiving the sheet direct from the fly. They insure evenness of temperature, and thereby assist in getting a perfect register on lithographic work. They save seventy-five per cent. of floor space over any other method of drying sheets, and from one to two per cent. of paper, and a vast amount of time. A further saving of time may be effected by placing the racks as they come from the fly-board on a printer's truck, made specially to take these racks (see next page). A pile of racks can be moved quicker, safer and easier on the truck than a single armful can be moved by hand. The racks have hard-wood sides with wide soft-wood slats, and are very strongly put together.

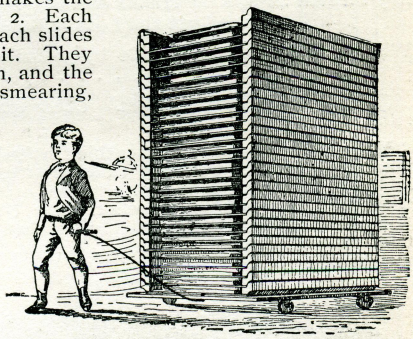


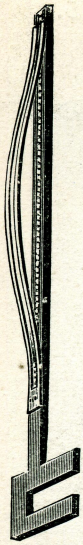
Fig. 1. Kœrner's Racks on Printer's Truck.

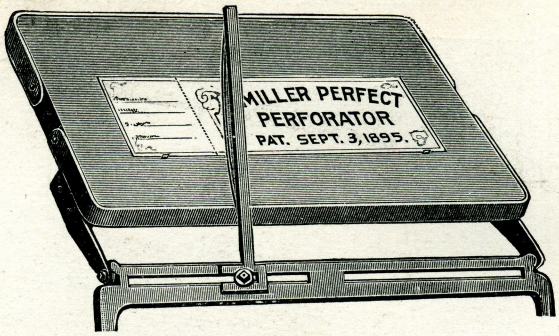
NET PRICES.—Special Quotations Made on Car-load Lots.

These racks are made to order, and sizes will be varied to suit purchasers, at prices approximate to those quoted here:

38×52 in. inside and under	$0 65	15 ×21 in. inside and under . . .	$0 35
32×48 in. inside and under	0 60	13 ×19 in. inside and under . . .	0 30
24×36 in. inside and under	0 50	11 ×17 in. inside and under . . .	0 25
18×25 in. inside and under	0 40	8¾×13 in. inside and under . . .	0 20

MILLER PERFECT GRIPPER PERFORATOR.





Made of steel, to attach to any platen press. Perforates neatly and cleanly while printing. Does not interfere with impression. There is a half elliptic spring which pushes the perforated sheet off the perforating knife.

For Eighth-Medium Press, net $5 00
For Quarter-Medium Press, net 6 00
For Half-Medium Press, net 7 00

When ordering it is necessary to state name and size of press.

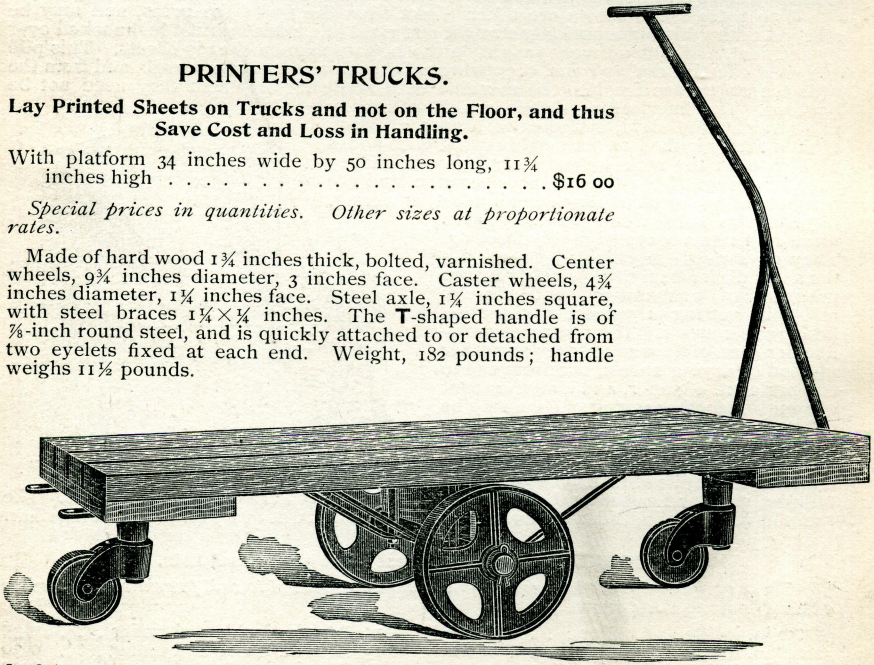
PRINTERS' TRUCKS.

Lay Printed Sheets on Trucks and not on the Floor, and thus Save Cost and Loss in Handling.

With platform 34 inches wide by 50 inches long, 11¾ inches high $16 00

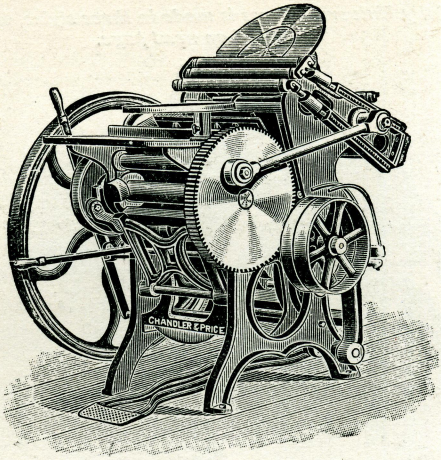
Special prices in quantities. Other sizes at proportionate rates.

Made of hard wood 1¾ inches thick, bolted, varnished. Center wheels, 9¾ inches diameter, 3 inches face. Caster wheels, 4¾ inches diameter, 1¼ inches face. Steel axle, 1¼ inches square, with steel braces 1¼ × ¼ inches. The T-shaped handle is of ⅞-inch round steel, and is quickly attached to or detached from two eyelets fixed at each end. Weight, 182 pounds; handle weighs 11½ pounds.



In 1896 we sold 120 of these trucks on one order to Matthews-Northrup Co., Buffalo, for use in their printing department.

CHANDLER & PRICE GORDON PRESS.



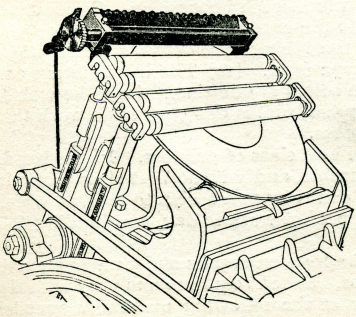
A most popular press, and over 8000 are in use. They are built to withstand both use and abuse. Side arms and shaft are made of forged steel, without seam or weld. Cam rollers are made of hardened tool steel. Impression throw-off is positive and easy to operate. The grippers are depressible, and cannot get under the rollers. Chase clamp is safe and instantaneous.

Eighth Medium,	7 × 11 inches inside chase	$150 00
Eighth Medium,	8 × 12 inches inside chase	165 00
Quarto Medium,	10 × 15 inches inside chase	250 00
Half Medium,	12 × 18 inches inside chase	300 00
Large Half Medium,	14 × 20 inches inside chase	400 00
Half Super-Royal,	14½ × 22 inches inside chase	450 00
Steam Fixtures, all sizes		15 00
Buckeye Fountain		10 00
Chandler & Price Fountain		20 00

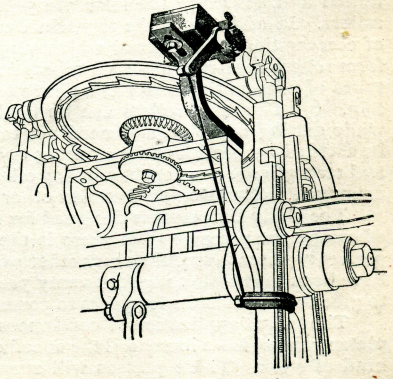
With each press there are three chases, one brayer, two sets of roller stocks, two wrenches and one roller mould. No charge for boxing and shipping. If desired, will furnish two extra chases instead of mould.

Shipping weights: 7 × 11, 1000 lbs.; 8 × 12, 1200 lbs.; 10 × 15, 1800 lbs.; 12 × 18, 2500 lbs.; 14 × 20, 3000 lbs.; 14½ × 22, 3100 lbs.

For prices of extra chases, see "Chases."



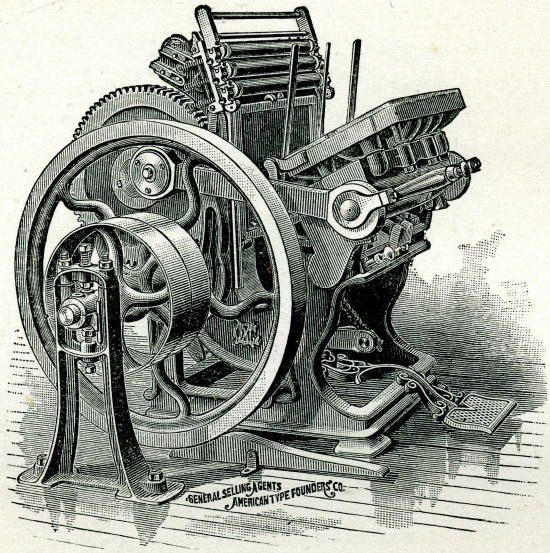
Chandler & Price Fountain.



The Buckeye Fountain.

GALLY UNIVERSAL PRESS.

The Gally Universal Press is made in three styles, which are described on next page.



Excels all other types of platen presses because: (1) The bed and frame are cast in one piece, securing rigidity and keeping all shafts in line in spite of irregularities in floor or foundation. (2) The platen moves up squarely against the type form, giving a perfectly square impression. (3) The platen has nine supports, and is extra heavy, and is the only platen capable of sustaining the powerful impression necessary to secure the best results on large forms of cuts. (4) The impression can be thrown off instantly, the throw-off being controlled by a bar directly behind the platen. (5) The impression can be changed instantly all over the platen, varying from the imperceptible to an eighth of an inch. (6) The platen opens out widely, making it easy to feed paper into it. (7) The ink fountain is as efficient as the fountains on the highest grade cylinder presses. It is the most perfect fountain for a platen press ever made. (8) The operations of ink distribution and "inking" the form are distinct, and each performed by a separate set of rollers. In addition to the fountain ductor roller, there are four ink distributers (two of composition, two of iron) which supply two inking cylinders, from which the three form rollers receive a fresh, distributed supply of ink at each impression. On all other types of presses the form rollers have to distribute the crude ink as it leaves the fountain. (9) The form rollers can be held against the inking cylinders for distribution, while getting up color, and need not touch the type form. (10) The ink fountain can be divided by partitions for printing two or more colors at one time. (11) The weight and strength are greater than in any other platen press, as it is designed to do work that cannot be safely attempted on any other type of press.

The Gally Universal is designed for use by the best class of printers. In the hands of competent pressmen the press is the most durable, and will do first-class work in perfect register longer than any other press. We can refer purchasers to presses which have been in constant use for twenty years, doing perfect work to-day, and bidding fair to give the best results for years to come.

The recent application of continuous-motion impression cranks and a new patented platen control have increased the speed on all sizes. Speed requirements vary with the kind of work. These presses will run smoothly at the following maximum speeds: 10×15-inch size, 2600 per hour; 13×19-inch, 1800 per hour; 14×22 inch, 1700 per hour.

PRICES OF GALLY UNIVERSAL PRESSES.

Complete with ink fountain, power fixtures, combination belt-shifter and brake, f. o. b. factory.

		Style One.	Style Two.	Style Three.
Quarto Medium,	10×15 inches inside chase . .	$350 00	. . . .	$450 00
Half Medium,	13×19 inches inside chase . .	450 00	$500 00	600 00
Half Super-Royal,	14×22 inches inside chase . .	515 00	575 00	650 00

The following small parts are included with each press: Three chases, one roller mould (for which two chases will be substituted, if preferred), six form roller stocks, four distributer roller stocks, two ductor roller stocks, twelve roller wheels (six large, six small), two iron lateral distributers, two feed tables, one small and one large wrench, one socket wrench, one chase latch wrench, and treadle fixtures. If treadle fixtures are not required, two chases will be sent in lieu of them.

Power fixtures include fixtures on the press only.

Boxing for export: Quarto Medium, $7 00; Half Medium, $10 00; Half Super-Royal, $15 00, net.

DESCRIPTION OF THE THREE STYLES.

STYLE ONE.

This is the style described above.

STYLE TWO.

Differs from Style One in having a double impression latch and a steel segment in the gear at the point that takes the strain of the impression.

STYLE THREE.

This style is recommended to those who want the best press procurable for executing the finest class of cut, solid block and color printing, cold embossing and stamping. This style is also made in combinations and for special work, as described hereafter.

The style No. 3 Universal Press differs from Style No. 1 in the following particulars:

The driving shaft is extended to carry an extra outside floor support. The pulleys are intended to carry a 2½-inch belt on Quarto Medium and a 3¾-inch belt on larger sizes. The fly-wheel on Quarto Medium weighs two hundred pounds, and on the Half Medium and Half Super-Royal three hundred pounds each. The large gear-wheel has a section of best quality of steel welded into its periphery, in which are formed the impression teeth, *i. e.*, those teeth which are in engagement with the driving pinion and transmit the momentum of the fly-wheel to the cranks during the time of the "nip." The main shaft is of steel, with solid reamed bearing through the bed. The crank-pins are crucible steel, hardened and finely finished. The connecting rods are of forged machinery steel, very heavy, and bushed with phosphor-bronze where bearing on crank-pins. The bridge and platen are solid to each other—no pressure whatever being sustained by screws. Has double impression latch.

COMBINATIONS OF STYLE THREE FOR SPECIAL WORK.

COMBINATION B.

For letter-press printing and (in addition to all work that can be done on regular Style Three Press, listed above) book-cover inlaying, and cutting and creasing. This combination is fitted with a movable ⅛-inch steel platen plate and a movable ⅛-inch brass platen plate, the latter for use in cutting and creasing.

Quarto Medium,	10×15 inches inside chase, complete	$450 00
Half Medium,	13×19 inches inside chase, complete	626 00
Half Super-Royal,	14×22 inches inside chase, complete	676 00

COMBINATION C.

For letter-press printing, hot embossing, and printing on wood not exceeding one inch in thickness (in addition to all work that can be done on Combination B). This combination is fitted with a steam blank (⅞-inch thick) with pipe connections, a movable ⅛-inch steel die plate on steam blank, a movable ⅛-inch steel platen plate, a movable ⅛-inch brass platen plate, a cast-iron platen blank, ⅞-inch thick, with tympan clamps attached, and a cast-iron platen plate ½-inch thick.

In ordering Combination C, it is necessary to state the average thickness of embossing dies. It is recommended that dies should not be more than ¼-inch thick.

* Half Medium,	13×19 inches inside chase, complete	$722 00
* Half Super-Royal,	14×22 inches inside chase, complete	784 00

Price List continued on next page.

PRICES OF GALLY UNIVERSAL PRESSES.—Continued.

COMBINATION D.

For letter-press printing, printing on wood (not exceeding one inch in thickness) and cold embossing. This combination is fitted with a ⅞-inch movable platen blank and a ⅛-inch movable steel platen plate. Cutting and creasing can be done on this combination by adding a ⅛-inch brass platen plate, list prices $10.00 to $13.00 each.

*Quarto Medium,	10×15 inches inside chase, complete	$474 00
*Half Medium,	13×19 inches inside chase, complete	629 00
*Half Super-Royal,	14×22 inches inside chase, complete	679 00

*IMPORTANT NOTICE.

The specifications given for preceding combinations may be varied to accommodate the requirements of purchasers. In ordering variations from above specifications be careful to state exact thickness of plates and blanks required, and fully describe the work to be done on the press ordered. Special combinations for other purposes made to order at prices proportionate to those charged for above combinations.

PRICE LIST OF ATTACHMENTS FOR GALLY UNIVERSAL PRESS.

	10×15 Press.	13×19 Press.	14×22 Press.
Ink fountain	$20 00	$25 00	$25 00
Fountain partitions, each	4 00	4 00	4 00
Power fixtures on press only	10 00	10 00	10 00
Overhead fixtures, complete	25 00	30 00	30 00
Cast-iron chases	2 00	2 25	2 75
Wrought-iron chases	5 50	6 50	7 25
Roller stocks	0 60	0 65	0 75

SPECIAL FEATURES OF THE GALLY UNIVERSAL PRESS.

TWO TYPES OF PLATEN PRESSES.

The Universal Press, when invented and patented in 1869–70, differed radically both in its fundamental principles and labor-saving appliances from any other platen press in use at that time. Since then platen presses everywhere are divided into two recognized types or classes, each taking the name of the original inventor: the "Gordon" type, with its hinged or "clam-shell" movement of bed and platen, as imitated with slight variations under a great variety of names, all distributing ink by means of a disc, and the "Gally Universal" type, with its fixed bed, sliding platen, square impact of impression on the form, solid frame and cylindrical ink distribution.

IMPRESSION.

The ideal impression is given by a Washington Hand Press, and the impression given by the Gally Universal is similar, and is perfect in practice and in theory. No other type of platen press can give a perfectly square impression.

The platen is massive, and is secured to the platen bridge by four controlling screws which pass through the bridge, and is supported at the corners and in the centre by five adjustable screw supports, giving nine supports in all. Thus the utmost strength and an unyielding impression is obtained.

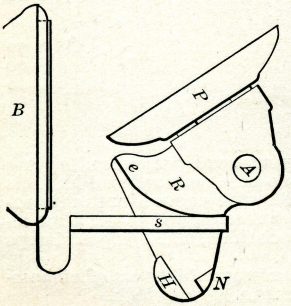


Fig. 2.

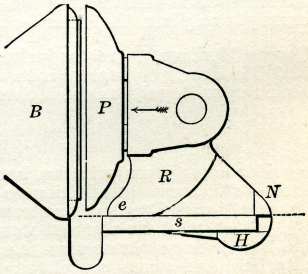


Fig. 3.

The platen movement in relation to the bed is illustrated in Figs. 2 and 3 (sectional drawings from the inside). Fig. 2 shows the platen open at the feeding position, supported by the rockers (*R*) on the slideways (*s*). The movement is controlled by the draw-bars, which connect with a steel shaft (*A*) passing through the platen bridge. As the draw-bars pull the platen toward the bed it rocks forward until the flattened toes (*e*) of the rockers rest on the slideways (*s*), as shown in Fig. 3.

The platen is now half an inch from the type form, and exactly parallel to it, and the locking lugs (*N* and *H*) have engaged the slideways at top and bottom, preventing the platen from tipping. Thus secured, the platen slides squarely to the type form, taking a direct face impression. The platen then slides back and rocks to the feeding position again. The curve of the rockers (*R*) are struck from a point at the center of gravity of the whole moving piece, so that the movement is accomplished with a trifling expenditure of effort.

DISTRIBUTION OF INK.

The superiority of the Gally Universal Press is in no point more apparent than in the distribution and application of ink to the form. In Fig. 10 is shown the Gally Universal system of ink distribution. *C* is the main distributing cylinder, and *S* is the secondary distributing cylinder. The composition distributing rollers (*e* and *e'*) revolve on the distributing cylinders, and on top of the distributers are two metallic rollers (*v* and *v'*) with a steady lateral movement in opposite directions, constantly crossing and recrossing the lines of distribution. The ink is supplied from the fountain (*F*, Fig. 10) to the distributing cylinder (*C*), once at each impression, by the ductor roller (*H*), in an evenly spread line, immediately *after* the form rollers have left the cylinders to ink the form; and *before* the rollers have completed the rolling of the form and returned to the cylinders the applied ink is thoroughly distributed by the distributers (*e e'*), so that no undistributed ink can ever reach the form rollers or be applied to the form.

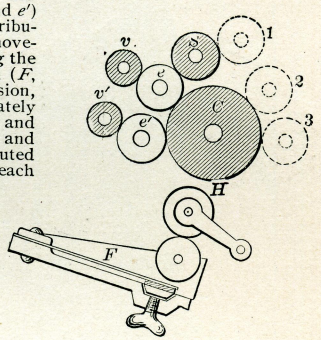


Fig. 10.

The distribution of ink is constant while the press is in motion, whether the form rollers (1, 2, 3) are in contact with cylinder or on the form. The cylinders, rollers and lateral distributers, as shown in Fig. 10, are made of different diameters on uneven measurements, so that their lines of contact are not repeated while revolving.

On presses with disc distribution the form rollers must distribute their own ink and convey it to the form, while on the Gally Universal these two functions are performed by two distinct sets of rollers. In the former case the work is necessarily imperfect; in the latter, both processes give perfect results.

INK FOUNTAIN.

The Gally Universal ink fountain is as complete as the ink fountain of any first-class cylinder press. Every part of it is under positive control. The movement of the fountain cylinder (*R*, Fig. 19) is regulated by a ratchet lever. The ink is carried from the cylinder (*R*) to the distributing cylinder *C*, Fig. 10, by a composition ductor roller. In nearly all ink fountains the regulating screws press directly against the steel blade, and in setting for a fine feed have a tendency to bind the fountain cylinder. In the Universal ink fountain (Fig. 19) *A* is a steel blade, *e* is rubber packing, and *a* is a very thin strip of steel against which the screws (*T*) are set. The rubber (*e*) furnishes an elasticity which prevents the blade from binding, while giving a perfect cut off. With this safeguard a press boy may be trusted to regulate the fountain. The fountain may be removed easily from the press to be cleansed, and is made interchangeable so that an extra fountain for colors may be put on in a few moments.

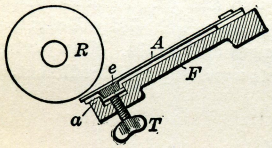


Fig. 19.

ADJUSTMENT OF IMPRESSION AND THROW-OFF.

The Gally Universal Press was the first to have a quick, easy method of adjusting the impression, and the Gally invention is still unexcelled. The theory of modern fine printing calls for a minimum of tympan packing, and to get this a fine adjustment of the platen impression is necessary. The labor as well as the inaccuracies of platen adjustment by means of the set screws make that method impracticable. Mr. Gally's invention is practically instantaneous, and allows of very fine adjustment or a total throw-off of the impression by the same device, which is located immediately behind the platen, in front of the pressman. The impression is regulated equally all over the surface of the platen by means of the adjuster slide (*L*), which can be moved up or down, increasing or decreasing impression from a tissue paper's thickness to ⅛ of an inch. This slide is notched, and the latch (*C*), which is the lower end of the throw-off handle (*H*), engages in this notch. When it is desired to throw off impression, the handle (*H*) is pulled, the latch (*C*) is disengaged, and the adjuster bar (*BB*) drops down, carrying the platen back and preventing it from taking an impression.

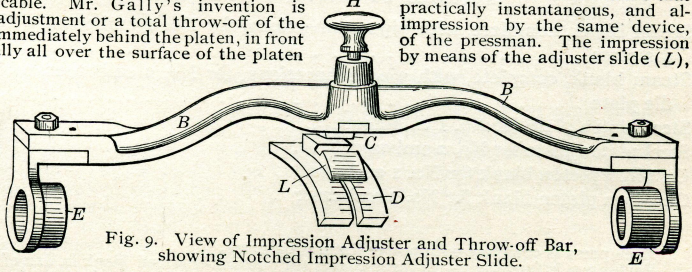
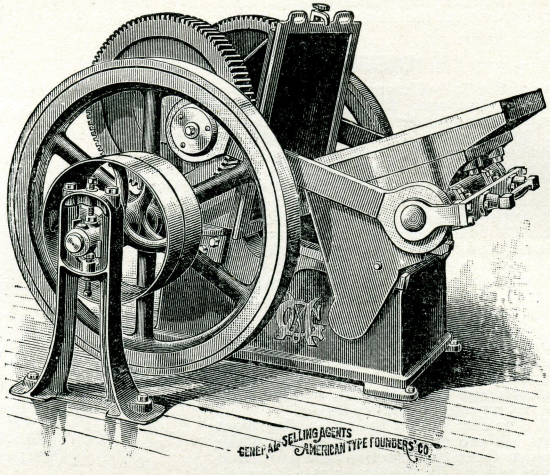


Fig. 9. View of Impression Adjuster and Throw-off Bar, showing Notched Impression Adjuster Slide.

GALLY UNIVERSAL EMBOSSING PRESS.



These are the largest embossing presses made, and combine strength, power, speed and facility for handling work easily in a degree unequaled by any other press. They are designed for extra heavy hot or cold process embossing, and book-cover stamping ("smashing"). The mechanical principles employed to give impression, power, and to throw-off impression, are the same as described on pages 96 and 97. Nothing better demonstrates the correctness of the mechanical principles on which Gally Universal Presses are built than their applicability to all degrees of power and strain. Every other type of platen press has its limitations—a point where it gets unwieldy and inefficient.

PRICES OF PRESS ONLY.

No. 1. 21¼×22-inch bed-plate	$800 00
No. 2. 24 ×26-inch bed-plate	900 00

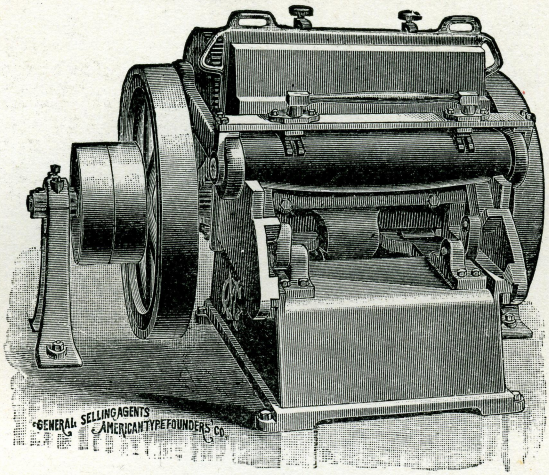
PRICES OF EXTRA ATTACHMENTS.

Steam blank, complete, with pipe connections, for No. 1 embosser, with steel die plate	$105 00
Steam blank, complete, with pipe connections, for No. 2 embosser, with steel die plate	118 00
Steel platen plate for No. 1 embosser	19 50
Steel platen plate for No. 2 embosser	26 00
Cast-iron platen blank for No. 1 embosser	19 50
Cast-iron platen blank for No. 2 embosser	26 00

Each press is complete with power fixtures on press.
Each press is furnished with three chases (or one cast-iron bed blank in lieu of chases, at option of purchaser), two feed tables, one wrench, one belt-shifter and one brake.
Gross weight, boxed, of embossing presses are: No. 1, 3400 pounds; No. 2, 4300 pounds.
Boxing for export: No. 1, $10 00; No. 2, $15 00, net.
Prices are f. o. b. factory.

GALLY UNIVERSAL PAPER-BOX CUTTING AND CREASING PRESS.

(*See "Paper Box Making" at foot of this page.*)



The most satisfactory presses for cutting and creasing paper boxes. Immensely strong, easy to operate, with speed limited only by the capacity of feeder. They will not stall on the heaviest impression. They are built on the same general lines as the Gally Universal Embossing Presses, and have extra steel-gibbed locks on under edge of the platen to prevent deflection of the platen under unequal strain. The platen, which has a throw-off, is set to height of type unless otherwise ordered. Both sizes are double geared.

PRICES.

With Brass Platen Plate and Power Fixtures on Press.

No. 1. 20 ×30 inches inside chase $700 00
No. 2. 23¼×31 inches inside chase 900 00

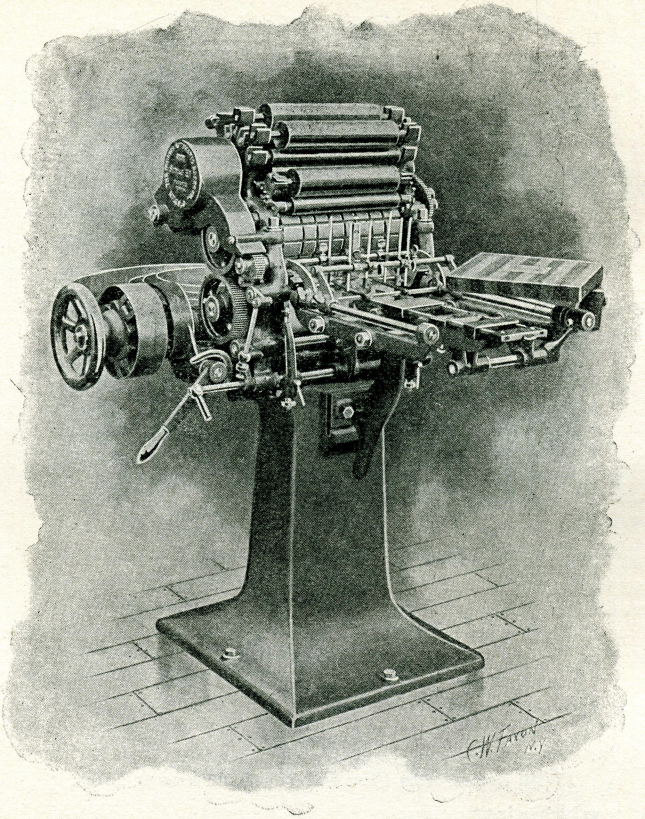
Prices are f. o. b. factory.
Each press is furnished with a ⅛-inch brass platen plate, three chases, two feed tables, one wrench, one belt-shifter and one brake.
Boxing for export · No. 1, $15 00; No. 2, $20 00, net.

FOLDING PAPER BOX MAKING.

The process of making folding paper boxes is simple. The stock used is manilla board, made specially for the purpose. A cutting and creasing press is the same as an ordinary printing press, except that it is larger, has to be stronger, and does not require an inking apparatus. The shape of a box having been decided on, a form is set up with steel cutting and brass creasing rules—the former to cut out waste margins and to make slits, and the latter to crease or score the lines on which the stock in the box must bend when set up for use. It is usual to cut and crease as many boxes at one time as can be cut out from a full-sized sheet. The box leaves the press flat. It is then folded once and glued on one edge, and delivered flat. Any printing required is done before cutting and creasing. Any good compositor will understand the process after reading above explanation and examining a folded paper box. The glueing is done by a machine of moderate cost.

HARRIS AUTOMATIC ENVELOPE AND CARD PRESS.

Fastest Job Press. Speed from 5000 to 12,000 per Hour.

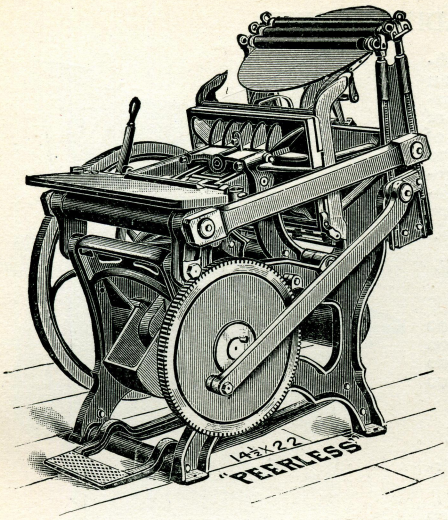


The Harris Automatic is a self-feeding and self-delivering press of recent introduction but well-established reputation. It prints cards and envelopes in one or more colors in first-class style, and will supersede all other presses on work within its capacity in offices where envelopes, cards, or tags, are printed in large quantities in runs of 3000 at a time and upward. It registers closely. It has an automatic throw-off, which causes it to cease taking impressions whenever the grippers fail to grasp the sheet, thus effectively preventing waste of stock as well as offsets. The printing is done from curved stereo. or electro. plates. Making ready is convenient and easy. It is possible to make-ready and run off 5000 envelopes in forty minutes. Distribution is abundant and effective. There is an adjustable ink fountain. The capacity is from the smallest envelope corner to plates not exceeding 11×13 inches. Prices, terms, circulars, etc., sent on application.

SELECTED FROM LETTERS RECEIVED FROM USERS.

James Kempster Printing Co., N. Y.: "Capable of running over 50,000 impressions a day with little or no spoilage."

Public Printer, Washington, D. C.: "The Government Printing Office met an extraordinary demand during the last Presidential campaign, to the extent of printing 60,000,000 (sixty million) envelopes, which would not have been met, for lack of press facilities, had we not fortunately discovered the Harris Automatic Press, which reduced the cost of envelope printing from 35 cents to 11 cents per thousand. We use another Harris press in our job room, and find it convenient for *small runs,* which work we did not anticipate doing on it at time of purchase."



PEERLESS PRESS.

Of well-established reputation, smooth running, noiseless, easy to make-ready on, easy to feed, easy to run by treadle, with an effective throw-off, well built, exceptionally strong, and with a powerful toggle movement. The throw-off is positive and easy, and convenient to handle. The platen is sustained in the center by the toggle, and is strongest where platens are generally weakest, enabling the Peerless to do embossing and paper-box cutting and creasing, which taxes a press very severely. It is a fast press.

Eighth Medium	8	×12 inches inside chase	$225 00
Large Eighth Medium	9	×13 inches inside chase	250 00
Quarto Medium	10	×15 inches inside chase	300 00
Large Quarto Medium	11	×17 inches inside chase	350 00
Half Medium	14	×20 inches inside chase	450 00
Half Super-Royal	14½	×22 inches inside chase	500 00
Pony Ink Fountain, all sizes			10 00
Hinged Well Ink Fountain, all sizes			25 00
Power Fixtures on Press, all sizes			15 00

Three chases, six roller stocks, one roller mould, one impression wrench, one brayer, two sets roller trucks, are furnished with each press.

Extra chases cost: For 8×12 press, $1 50; for 9×13, $1 50; for 10×15, $2 00; for 11×17, $2 00; for 14×20, $2 75; for 14½×22, $3 00.

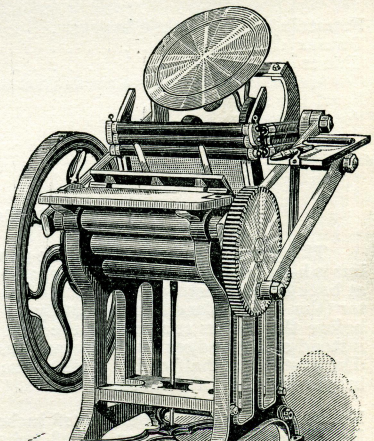
NEW STYLE FRANKLIN GORDON.

The latest invention of Mr. George P. Gordon, inventor of the popular Old Style Gordon.

8×12 inches inside chase	$225 00
9×13 inches inside chase	250 00
10×15 inches inside chase	300 00
11×17 inches inside chase	350 00
13×19 inches inside chase	400 00
Ink fountains, for all sizes	25 00
Steam fixtures, for all sizes	15 00

One roller mould, six roller stocks, three chases, one impression wrench, one gripper wrench, and one hand-roller are included with each press.

The shipping weights when closely boxed are: 8×12 press, 1100 lbs.; 9×13 press, 1150 lbs.; 10×15 press, 1600 lbs.; 11×17 press, 1700 lbs.; 13×19 press, 2100 lbs.



THE GOLDING JOBBER.

This press can be bought with or without a number of attachments, such as an automatic brayer fountain, a duplex distributer (which is placed below the bed of the press and furnishes a fresh supply of ink to the form rollers after they have passed downward over the form), a chromatic attachment, and a counter for registering the number of actual impressions, the prices for which are given separately below.

PRICES OF PRESS ONLY.

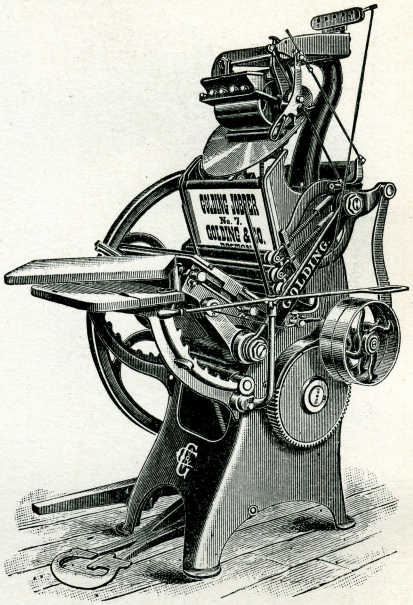
No. 6, 8×12 inches inside chase	$200 00
No. 7, 10×15 inches inside chase	275 00
No. 8, 12×18 inches inside chase	350 00
No. 9, 15×21 inches inside chase	450 00

PRICES OF PRESS, COMPLETE

With Automatic Brayer Fountain, Duplex Distributer and Power Fixtures.

No. 6, 8×12 inches inside chase	$245 00
No. 7, 10×15 inches inside chase	335 00
No. 8, 12×18 inches inside chase	420 00
No. 9, 15×21 inches inside chase	520 00

The prices of all Golding Jobbers for letterpress printing include three machine rollers complete, extra set of roller cores, extra set of roller wheels, two chases, ink plate, hand roller, wrench, treadle and brake.



Shows style of Nos. 6, 7 and 8 Golding Jobbers.

PRICES OF ATTACHMENTS AND EXTRAS.

When not ordered complete, any of the attachments or extras wanted will be charged at the following prices:

	No. 6	No. 7	No. 8	No. 9
Fountain and automatic brayer	$25 00	$35 00	$40 00	$50 00
Duplex distributer	12 00	16 00	20 00	24 00
Chases	1 25	1 50	1 75	2 25
Counter made to attach to press (counts to 10,000)	10 00	10 00	10 00	10 00
Pearl ink fountain	9 00	9 00	9 00	. .
Power fixtures	14 00	15 00	16 00	17 00
Boxing	4 00	5 00	6 00	8 00

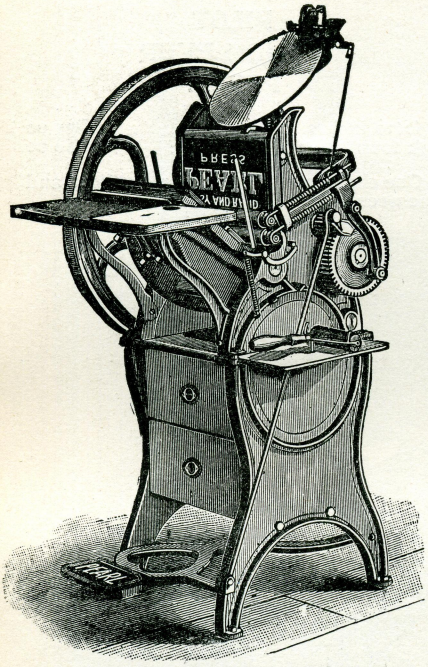
GOLDING ART JOBBER.

This press is built on the same general lines as the Nos. 6, 7 and 8, illustrated above, but is heavier and stronger; has gear-wheel inside the frame; has impression adjustment at back of bed instead of at back of platen; has four form rollers and a duplex distributer (the latter placed immediately under bed, so that ink on rollers is re-distributed before the rollers return over the type form); throw-off by means of an eccentric shaft instead of by wedges; and the automatic brayer fountain covers the full length of the disc instead of half of it. This press is also supplied with the half-length automatic brayer fountain, if desired.

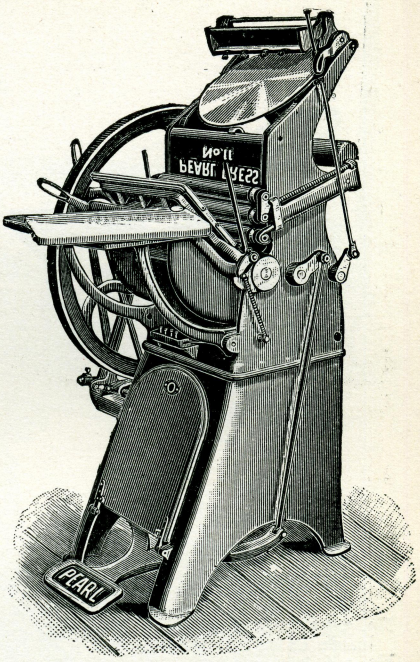
No. 18 Golding Art Jobber, 12×18 inches, complete, with power fixtures	$500 00
No. 18 Golding Art Jobber, 12×18 inches, with half-length automatic brayer fountain and power fixtures	470 00

CHROMATIC ATTACHMENT for No. 7 Jobber, including full-length fountain, $65.00 additional to price of complete press; for No. 18 Art Jobber, having full-length fountain, $50.00 extra.

PEARL PRESSES



Pearl Presses, Nos. 1, 3 and 5.



Pearl Presses, Nos. 11 and 14.

Light running presses, without side-arms, very rapid, easy to feed, and handy to make-ready on. They are practically noiseless, easy to keep in repair, and specially desirable in offices that have no power. The No. 1 has three drawers and the No. 3 two drawers in their stands.

PRICES OF PEARL PRESSES.

Nos. 1, 3 and 5 have no throw-off. Nos. 1, 3 and 5 have two rollers; Nos. 11 and 14 have three rollers.

No. 1, 5× 8 inches inside chase	$ 70 00
No. 3, 7×11 inches inside chase	110 00
No. 5, 9×14 inches inside chase	165 00
No. 11, 7×11 inches inside chase	135 00
No. 14, 9×14 inches inside chase	200 00

The prices of Nos. 11 and 14 include full-length fountain and throw-off.

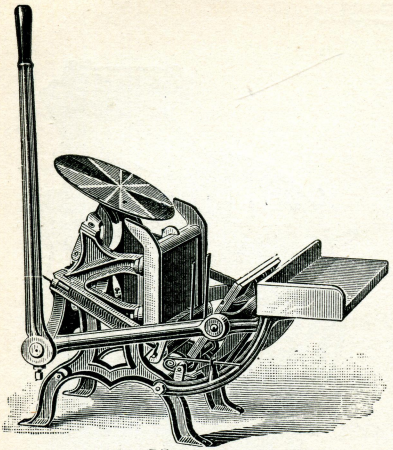
POWER FIXTURES.

For No. 1	$ 8 00
For No. 3	9 00
For Nos. 5 and 11	12 00
For No. 14	14 00

PEARL INK FOUNTAINS.

For Nos. 1, 3 and 5 Presses, each	$9 00

A full length fountain is included in the price with Nos. 11 and 14 Pearl Presses.



Pilot Press.

PILOT HAND LEVER PRESS.

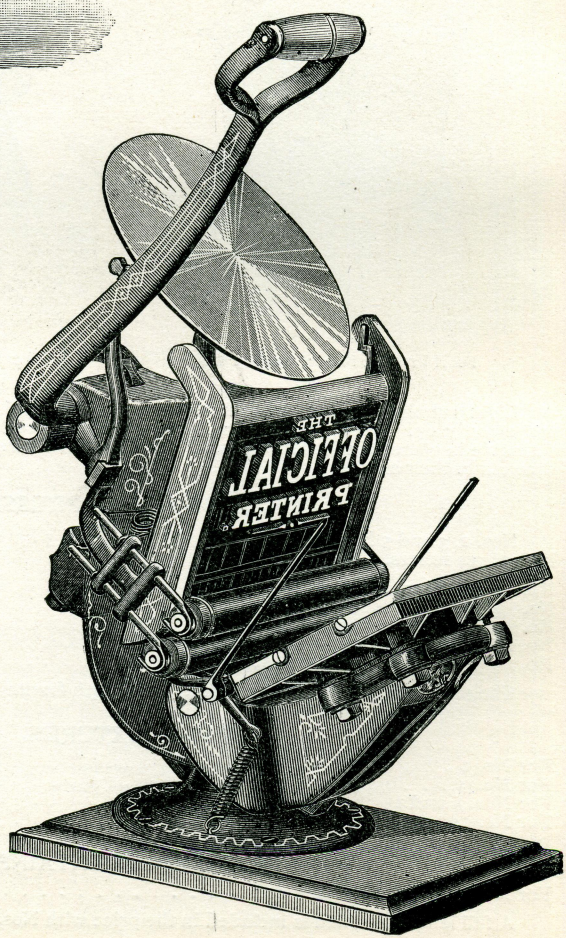
6½×10 inches inside chase $35 00
Ink fountain 10 00

One chase, one set of covered rollers, and one wrench supplied with each press.

OFFICIAL HAND LEVER PRESSES.

No. 3, 5×7½ inches inside chase . . . $25 00
No. 4, 6×9 inches inside chase . . . 35 00
No. 6, 8¼×12½ ins. inside chase . . . 60 00

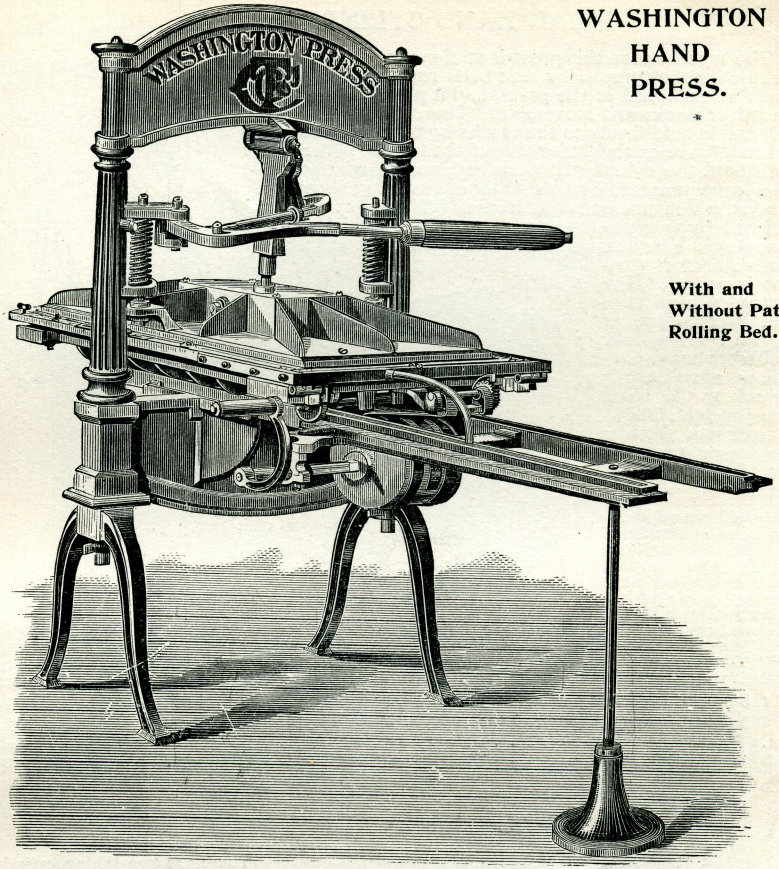
One chase, one set of covered rollers, and one wrench supplied with each press.



SECOND-HAND PRESSES.

As a rule, second-hand presses of all makes and sizes can be supplied. Special lists of these are issued at short intervals. Those in want of second-hand machinery are invited to correspond with us. Time will be saved if correspondents will state exactly what they require.

WASHINGTON HAND PRESS.



With and Without Patent Rolling Bed.

Washington Hand Press with Patent Rolling Bed, built solely by American Type Founders Co.

Platen.	Bed.		
14×18 inches . .	17 ×21	inches	$150 00
16×21 inches . .	20 ×25	inches	175 00
20×25 inches . .	24 ×29	inches	200 00
23×31 inches . .	25¾×34¾	inches, for 6-column folio	200 00
23×35 inches . .	26½×39	inches, for 7-column folio	225 00
25×39 inches . .	28½×42	inches, for 8-column folio or 5-column quarto	250 00
27×43 inches . .	31½×47½	inches, for 9-column folio	275 00

WITH PATENT ROLLING BED.

The Patent Rolling Bed runs on rollers instead of sliding, and thus much exertion is spared the pressman, and the work is done quicker.

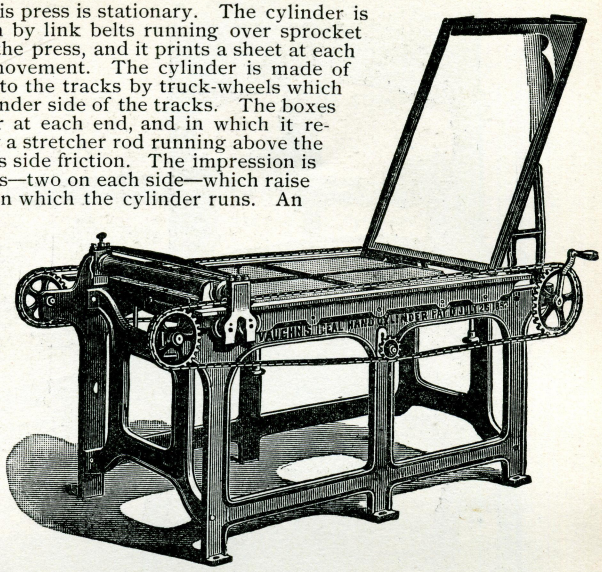
Platen.	Bed.		
23×35 inches . .	26½×39½	inches, for 7-column folio	$250 00
25×39 inches . .	28½×43½	inches, for 8-column folio or 5-column quarto	275 00
27×43 inches . .	31½×47½	inches, for 9-column folio	300 00
29×43 inches . .	33 ×48	inches, for 6-column quarto	325 00

Above prices include two pairs of points, one wrench, one sheepsfoot, pair of bearers, and one extra frisket.

As a rule we can supply second-hand Washington Hand Presses of all sizes on demand.

IDEAL HAND CYLINDER PRESS.

The type form on this press is stationary. The cylinder is moved over the tympan by link belts running over sprocket wheels at each end of the press, and it prints a sheet at each forward or backward movement. The cylinder is made of steel, and is held firmly to the tracks by truck-wheels which run in a groove on the under side of the tracks. The boxes which hold the cylinder at each end, and in which it revolves, are connected by a stretcher rod running above the cylinder, which prevents side friction. The impression is regulated by four screws—two on each side—which raise or depress the bearers on which the cylinder runs. An effective inking apparatus is supplied, but is extra. A number of Ideal Presses are in use, and intending purchasers may gather how satisfactory they are to the users by reading the following extracts from a great many commendatory letters received:



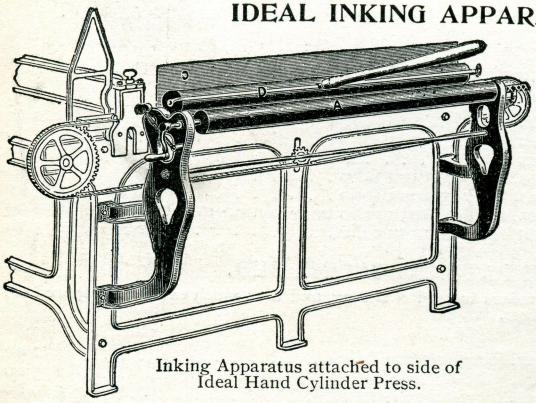
"My wife ran off 300 an hour on it the first day it was put up." * * * "With it our inexperienced pressman has made the following speed: 750 impressions in 75 minutes; 475 in one hour; 100 in 11 minutes. We run a regular lick of 100 every 15 minutes, or 400 per hour." * * * "We can run an edition in one-half the time and secure a better print than on our Washington." * * * "The press is so simple that the veriest novice can set it up, and so light-running that a boy may operate it with ease." * * * "It is far superior to my old Washington for speed and quality of work."

No. 1, 8-column folio or 5-column quarto, size of bed, 28½×43 inches **$200 00**
No. 2, 9-column folio or 6-column quarto, size of bed, 33⅛×48¼ inches **225 00**

No. 1. Floor space, 31×55. . . . . Weight, 700 pounds. . . . . Shipping weight, 975 pounds.
No. 2. Floor space, 35×60. . . . . Weight, 800 pounds. . . . . Shipping weight, 1100 pounds.

Frisket for No. 1 extra, **$6.00**; for No. 2, **$6.50.**

IDEAL INKING APPARATUS.



Inking Apparatus attached to side of Ideal Hand Cylinder Press.

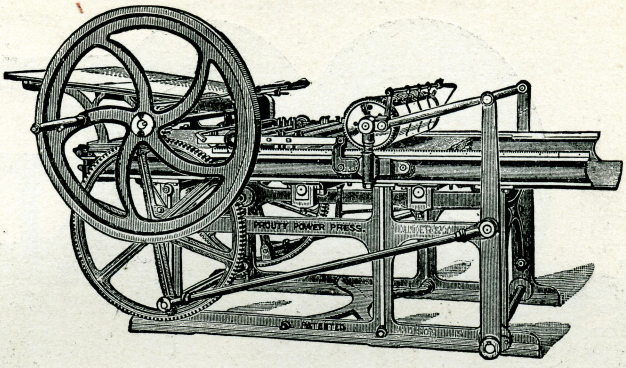
There are two inking cylinders (A and B), one of which (A) revolves by means of the hand crank, and while revolving it automatically vibrates. The inking roller (D) rests on the inking cylinders and receives its supply of distributed ink. When the roller (D) is pushed toward the form, the automatic sheet-steel drop-leaf ink table (C) descends on the bed of the press and the roller (D) passes easily on to the type form. When the roller returns, the ink table (C) resumes its perpendicular position automatically. The Ideal Inking Apparatus is not furnished with the Ideal Press unless specially ordered.

No. 1, for 8-column folio or 5-column quarto . **$30 00**
No. 2, for 9-column folio or 6-column quarto . **32 00**

Hand Roller with Two Handles, including Extra Core:

No. 1. 20 inches long, for 8-column single page **$3 75**
No. 2. 22 inches long, for 9-column single page **4 25**

IMPROVED COUNTRY PROUTY.



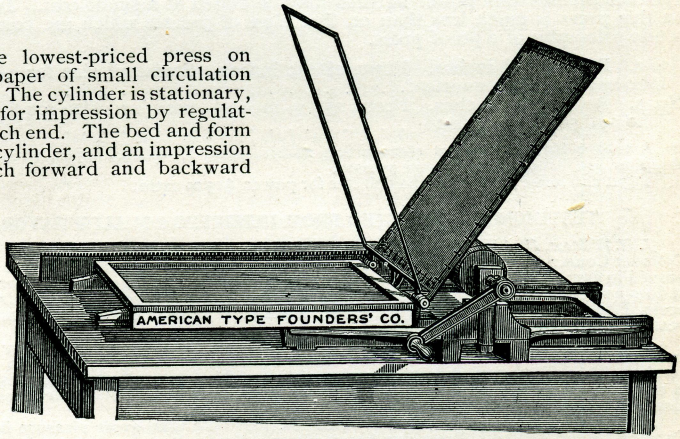
Square sides, patent square drop bed and throw-off. Self-inking. The cylinder rolls over the type form after taking the sheet from the feed-board. The rollers follow the cylinder over the type form.

	Size, inside bearers, in.	Weight, pounds.	
No. 1, 7-column folio	27 × 37	3600	$600 00
No. 2, 8-column folio	27½ × 43½	4000	700 00
No. 3, 6-column quarto	32½ × 46½	4600	800 00

The above prices include well fountain, rubber blanket, set of cast rollers, set of extra cores, and patent throw-off and impression lock. All boxed and on board cars. Steam fixtures, $15.00 extra.

ARMY PRESS.

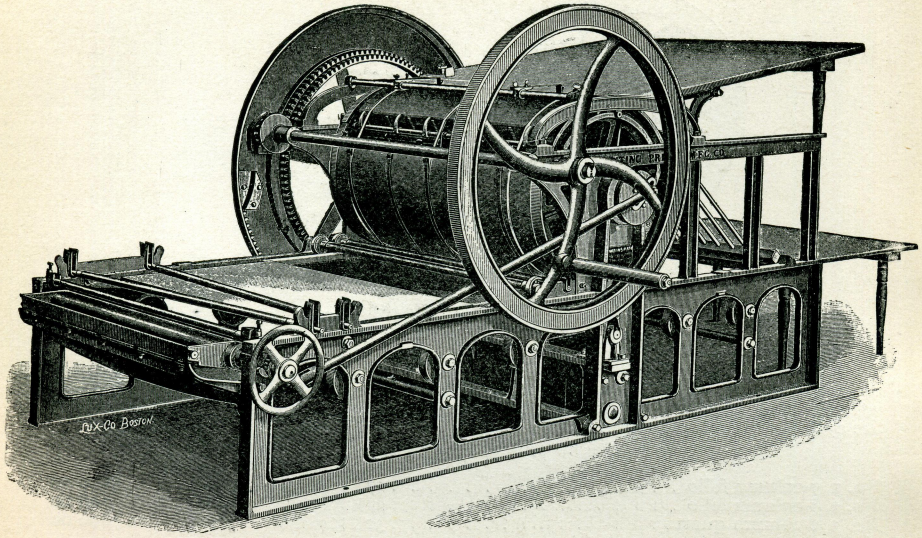
This is the lowest-priced press on which a newspaper of small circulation can be printed. The cylinder is stationary, but adjustable for impression by regulating screws at each end. The bed and form pass under the cylinder, and an impression is taken at each forward and backward movement.



To print one page, 6-column folio, 14 × 20 inches	$ 60 00
To print one page, 7-column folio, 16⅝ × 22¾ inches	85 00
To print one page, 8-column folio, 19¼ × 25½ inches	120 00
To print two pages, 5-column folio, 19½ × 26 inches	125 00

Two chases, six patent quoins, roller frame and cast roller, oiler and wrench, go with each press.

CAMPBELL COUNTRY HAND CYLINDER PRESS.



The Campbell Country Hand Cylinder forms a class by itself, and occupies, without a satisfactory rival, the entire field between the Washington hand press and the power cylinder. Thousands are in use, and it has proved a stepping-stone to fortune for a great number of publishers during the past thirty years. It is constructed on the same successful mechanical principles as are used in building the more expensive power cylinder presses, and power fixtures may be added at a small cost. The wear of type on this press is much less than on that class of presses which are constructed on the crude principles of a proof press.

No. 2. Bed, 33×48 inches. Form, 28×44 inches. Standard size for 9-column folio and 6-column quarto $800 00

No. 3. Bed, 30×43 inches. Form, 25×39 inches. Standard size for 8-column folio and 5-column quarto 700 00

A rubber blanket, one set composition rollers, extra set stocks, tapes, wrenches, boxing and shipping, are furnished with these presses.

Tight and loose pulleys and belt shifter for power, $15 00 extra.

TESTIMONIALS SELECTED FROM HUNDREDS EQUALLY FAVORABLE.

J. H. Wilcox, Portsmouth, Va.: "You are mistaken as to my having purchased a Campbell Hand Cylinder Country Press in 1890. I bought one in 1886, and I take great pleasure in saying that it has proved in every way most satisfactory. One small man can turn it continually for hours with ease. It does not get out of order except through negligence, and it is very simple in its operation. This press, I believe, is about sixteen years old, if not older, and it will probably last another sixteen years, if not longer."

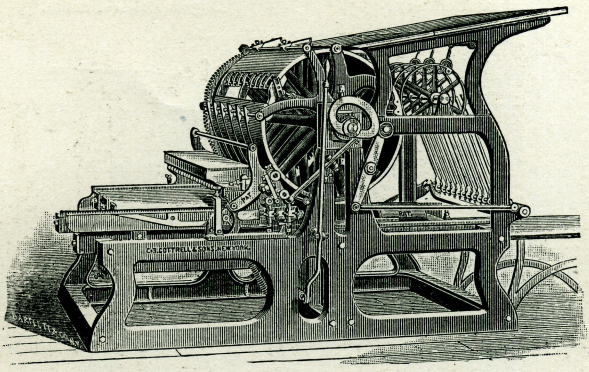
Theo. P. Wilson, Winchester, Mass.: "The Campbell Hand Cylinder Country Press purchased from you in August, 1889, has given the utmost satisfaction during its over two years of constant service. I have not spent a cent for repairs, and consider it as good as when first set up. The press is now run by water power, and can print 900 papers per hour. The *Star* I consider one of the cleanest printed papers in this section."

Paragraph Publishing Co., Mamaroneck, N. Y.: "We take great pleasure in saying that the Campbell Hand Cylinder Press purchased of you in September, 1890, has proved in every respect a first-class machine. Although intended to be run by hand, we have been running our press by power for the last three months at an average speed of 840 to 900 per hour. As the press has no springs, we consider this a performance with which we are pleased, and of which you have reason to be proud."

T. H. Harter, Middleburgh, Pa.: "I have been using a Campbell Press for four years, and take pleasure in recommending it to the trade. For simplicity, durability and ease on type it cannot be excelled. My issue of 1600 (6-column quarto) is turned off in two and a half hours, including all stops, and the press hasn't been out of order since I had it, with the exception of the fly-spring breaking. I would not trade it with any press on the market for a country office."

COTTRELL TRIUMPH COUNTRY PRESS.

With Patent Air Springs.



Adapted for printing newspapers, pamphlets, posters, circulars, and all classes of commercial printing. Conforms in construction, design, durability and finish to the high reputation of the manufacturers.

The press is supplied with patent air springs, the resistance of which is increased or decreased according to the speed of the press. It is well known that the faster the speed the greater strength of spring is required. The patent air spring covers these requirements. If the press is running at five hundred per hour, the spring can be easily regulated for that speed; and if running at fifteen hundred per hour, the proportionate increase of spring can be obtained, and so up to the highest speed of which this press is capable. The air spring is provided with an automatic throw-off that releases the pressure when the press is stopped, and the pressman can move the bed to and fro without compressing the spring. When the press is started, the spring is applied automatically.

The patent hinged roller-frame permits of the rollers being instantly uncovered for removal or for other purposes without unscrewing the sockets. The rollers can be taken out and put back without changing their set. The well-fountain is used, being easily regulated and cleansed, and it is set high, giving easy access to the form. The distribution is ample—two three-inch rollers covering the full form. The bed has four supports while under impression, thus securing a clear, even impression. The shoes, tracks and rollers are of hard steel. The gearing is accurately cut, which, together with the registering rack and segment, insures perfect register.

The Triumph Press is built with table, rack and cam distribution, or with the rack and cam distribution, as per illustration on this page.

The Triumph Press can be fitted to run by hand power, when so desired. Tapeless delivery furnished, when required, at an extra charge.

Sizes and List Prices with Rack and Cam Distribution.

	Size of bed inside bearers.	Size of form covered by rollers.	List Price
No. 3	26×37 inches	22×33 inches	$1000 00
No. 5	33×47 inches	28×43 inches	1100 00

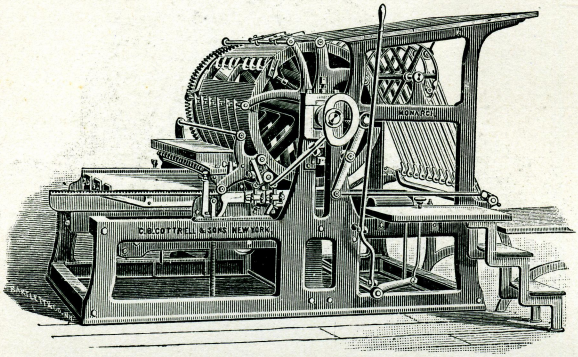
Steam fixtures, extra, $50 00. Tapeless delivery, extra, $75 00. Table, rack and cam distribution, extra, $75 00.

Price includes rubber blanket, wrenches, two sets of roller stocks, roller moulds, boxing and shipping.

COTTRELL MONARCH TWO-ROLLER PRESS.

With Two Rollers Covering Form.

Air Springs. **Back-Up Movement.**
Tapeless Delivery. **Hinged Roller-Frame.**



It has many advantages and improvements, including patent air springs, patent tapeless delivery, back-up movement, hinged roller-frame, and iron steps and feeder's stand, and in its manufacture quality is placed first and cost afterward.

It is a press of excellent design, of the best materials, and of high speed. By manufacturing them in large quantities, and building but two sizes, the price is put within the reach of the printer of moderate means.

It is a fast press—1600 per hour is easily possible on the larger and 2000 on the smaller size.

It has four bearings under the bed for extreme rigidity and strength, and steel tracks and steel rollers. There is a heavy flange on the ends of the cylinder as an added element of strength.

The patent air spring forms an easy cushion for the bed in passing the centers, is under perfect control, and can be readily adjusted for the different speeds. The air spring has a new automatic throw-off, so that in turning over the centers by hand the spring is not compressed.

The patent back-up movement is a great convenience and a labor-saver.

The patent hinged roller-frame permits the form rollers to be instantly uncovered for removal or other purposes without unscrewing the sockets. The rollers can be taken out and put back without changing their set.

The well fountain is used, being easily regulated and cleaned. It is set high, giving easy access to the form.

Furnished with table and rack and cam distribution at an extra charge, or only with rack and cam distribution as illustrated.

Sizes and List Prices, with Rack and Cam Distribution.

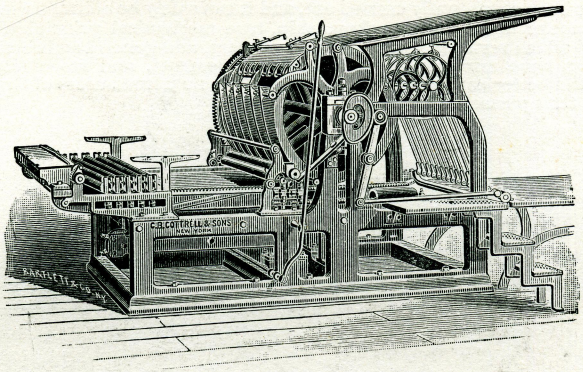
Size of bed inside of bearers.	Size of form covered by two rollers.	List Price.
No. 3, 26×37 inches	22×33 inches	$1500 00
No. 5, 33×47 inches	28×43 inches	1800 00

Table distribution, $75 00 extra.

Price includes hard-packing or rubber blanket, wrenches, two sets of composition roller stocks, roller moulds, countershaft, two hangers, two four-speed cone pulleys and driving pulley, boxing and shipping.

COTTRELL PARAGON JOB AND NEWSPAPER PRESS.

With Two Rollers Covering a Full Form.



The side frames rest upon and are fastened to a substantial bed-plate, thus insuring stiffness and rigidity of construction. The side frames are changed in design, the flanges projecting inward, and are massive in appearance.

The girt is cast solid with the bed-plate, and carries a pair of substantial rollers adjustable in their box bearings. These rollers operate in connection with extra steel tracks beneath the bed, which, with the ordinary ribs, sliders and tracks, form four separate bearings directly beneath the "impression," making any spring in the bed an impossibility.

The patent air spring, as applied to the press, forms an easy cushion for the bed in passing the centers, and can be readily adjusted for the different speeds.

In connection with the air spring is an automatic throw-off, which permits of the press being turned by hand without compressing the spring. This device is entirely automatic, and does not require any attention.

These presses are supplied with the well-fountain, placed high above the bed, to admit of easy access to the form. The roller frames are hinged in such a manner as to enable the pressman to open them in an instant, leaving the form rollers free for removal. The roller bearings are made adjustable in every direction.

The sheet delivery is tapeless, and fingers of the fly are adjustable transversely to suit position of delivery wheels and nature of sheet to be delivered. The ends of the cylinder are flanged to increase its rigidity.

The Paragon Press is supplied with table, rack and cam distribution, as illustrated on this page, at an extra charge, or with rack and cam distribution.

Sizes and List Prices, with Rack and Cam Distribution.

		Size of bed inside bearers.	Size of form covered by two rollers.	List Price.
No. 5		33×47 inches	29×43 inches	$1900 00
No. 6		33×50 inches	29×46 inches	2000 00
No. 7	Flange Frames	34×52 inches	31×49 inches	2200 00
No. 8		37×54 inches	34×51 inches	2500 00

Table distribution, $75 00 extra.

Price includes hard-packing or rubber blanket, wrenches, two sets of composition roller stocks, roller moulds, countershaft, two hangers, two four-speed cone pulleys and driving pulley, boxing and shipping.

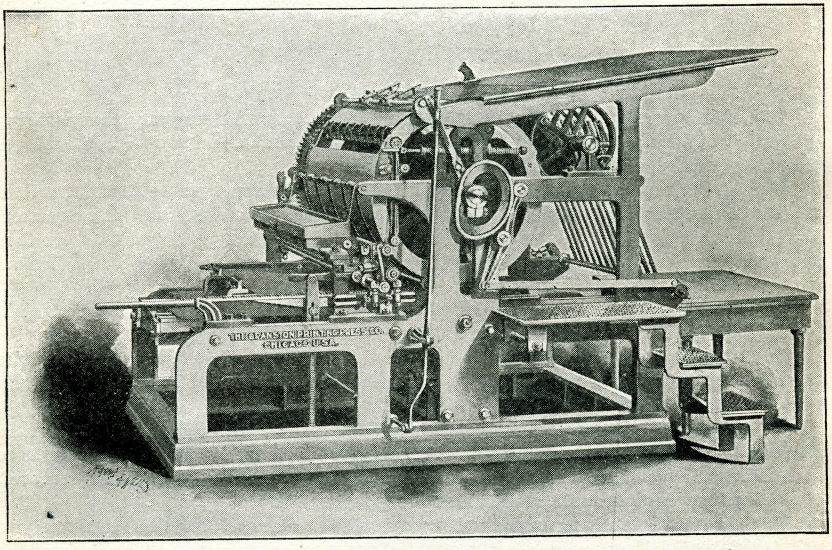
THE CRANSTON PRESSES.

These presses have always been built on high-grade lines. The motto of the maker, painted conspicuously in the factory, "First learn to do a thing well, then learn to do it quickly," has been consistently carried out, and it can safely be affirmed that the Cranston presses are unexcelled in fine workmanship, true mechanical principles, and superior materials, all which result in durability, smoothness, and general satisfaction. The new series of 1897 have numerous up-to-date improvements, and some sizes have been changed for the better convenience of printers. The numerous users of Cranston presses will be more than pleased with the new series.

THE CRANSTON NEWSPAPER PRESS.

Two-Roller,

With Rack and Pinion Distribution.



Built of the best material; furnished at a moderate price; put to practical tests; it has proved by constant use to be an economical press to buy. The runners on both track and table are steel; the shafts, rolls, studs, shoes and wearing parts are also steel. All gears and racks are cut from the solid. The press is provided with air springs, tapeless delivery, noiseless gripper motion, continuous fly cam, adjustable feed guides. The fountain is placed high on the stand, thus giving easy access to bed of press. The form rolls are made of wrought iron pipe, and are of large size, easily placed in position and adjusted. There is a brake, a fountain cover, reel rod for blanket and tympan, and a guard for distributing rack. Distribution is controlled by cam movements.

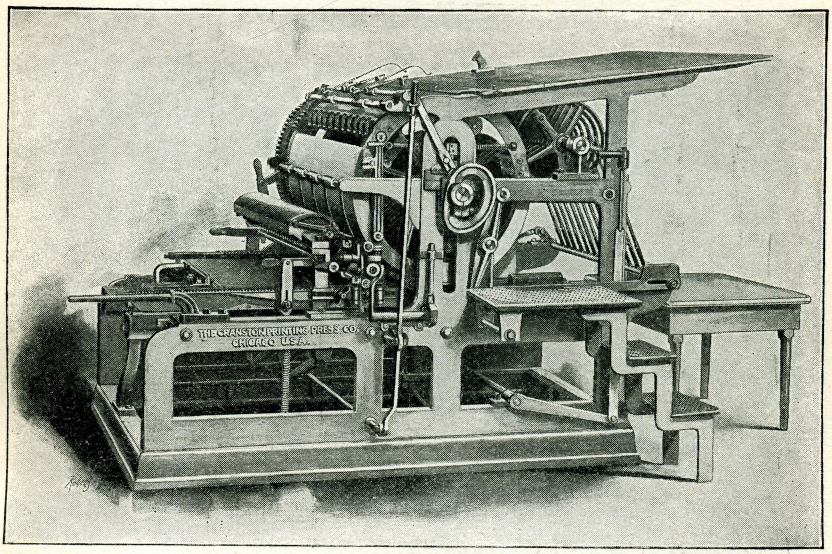
Size.	Inside Bearers.	Matter Covered.	Length of Base.	Width of Base.	Weight Boxed.	Price.
No. 3½	33×48	28×44	7 ft. 7½ in.	5 ft. 3½ in.	9000 lbs.	$1600 00

An additional charge for table distribution.

Each press is furnished with overhead fixtures complete (except when furnished with hand power only), blanket, wrenches and one set stocks, also one extra set stocks and iron steps.

THE CRANSTON IMPROVED NEWSPAPER PRESS.

Two-Roller, with Rack and Pinion Distribution.



The Improved Newspaper Press has been materially changed in construction and general appearance. All racks and gears have wide faces, and are cut from the solid. The press has air springs; tapeless delivery—wheels adjustable to any size sheet; patented device for controlling motion of sliders; patent stop and reversing motion; noiseless gripper motion; continuous fly cam; feed guides that are capable of the finest adjustment; large size form rollers; long register rack and segment; deep fountain; cover for fountain; convenient arrangement for adjusting fountain roll; cylinder distribution.

Every convenient feature that the price at which it is offered will permit is put on this press, effecting a saving of time and labor for which the Cranston presses are well and favorably known.

Size.	Inside Bearers.	Matter Covered.	Length of Base.	Width of Base.	Weight Boxed.	Price.
No. 3½	33×48	28×44	7 ft. 7½ in.	5 ft. 3½ in.	9500 lbs.	$1800 00

Table distribution extra.

Each press is furnished with overhead fixtures complete, blanket or hard packing, wrenches, iron steps, two complete sets stocks—one set cast with composition ready for immediate use.

THE CRANSTON IMPROVED BOOK AND NEWSPAPER PRESS.

Two-Roller, with Rack and Pinion Distribution.

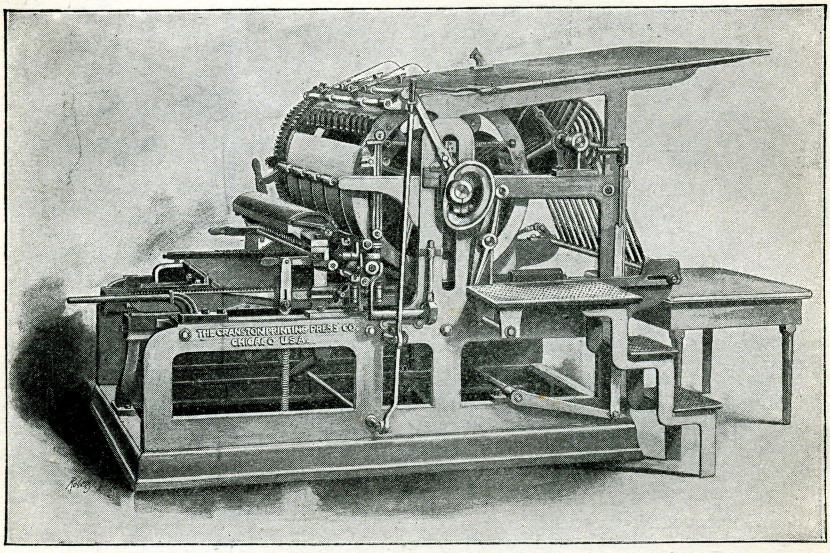
The Improved Book and Newspaper Press has all of the features which made the Improved Newspaper Press the best newspaper press in the market, and in addition has a separate heavy cast-iron base plate which gives additional strength and solidity to the machine, and makes it possible to run it at a higher rate of speed without jar or injury to the press. It is especially designed for fine book, newspaper and general job printing. For accuracy of register and convenience of making ready, it is unexcelled. The workmanship and wearing qualities are unsurpassed.

Size.	Inside Bearers.	Matter Covered.	Length of Base.	Width of Base.	Weight Boxed.	Price.
No. 3½	33×48	28×44	7 ft. 7½ in.	5 ft. 3½ in.	10,000 lbs.	$2200 00
Table distribution, extra						100 00

Each press is furnished with overhead fixtures complete, blanket or hard packing, wrenches, iron steps, two complete sets stocks—one set cast with composition ready for immediate use.

THE CRANSTON PATENT IMPROVED TWO-ROLLER PRINTING PRESS.

For Fine Book, Commercial and Newspaper Printing.



This press is carefully made in every detail. The stock and finish are unexcelled. The tracks are wide, and provided with steel rolls and runners. The wearing parts—shafts, knuckles, shoes, studs—are of steel. The gears and racks are cut from the solid, and have wide faces. The press has air springs; patent silent slider motion, which insures uniform travel of the sliders with the table; patent stop and reversing motion; improved feed guides; patent adjustable side-guide leaf on feed table, which can be set for the greatest precision of register.

The fly is operated by a silent motion, the cam having a continuous surface.

The fountain basin is deep, and will carry a large supply of ink. It is placed high on the stands, and easy access is thus given to the bed of the press.

The Cranston combines the essential features: great strength, unyielding impression, fine distribution, exact register, with convenience in adjustments and make-ready. It is operated with light power, and cannot but give satisfaction both in quantity and quality of work produced.

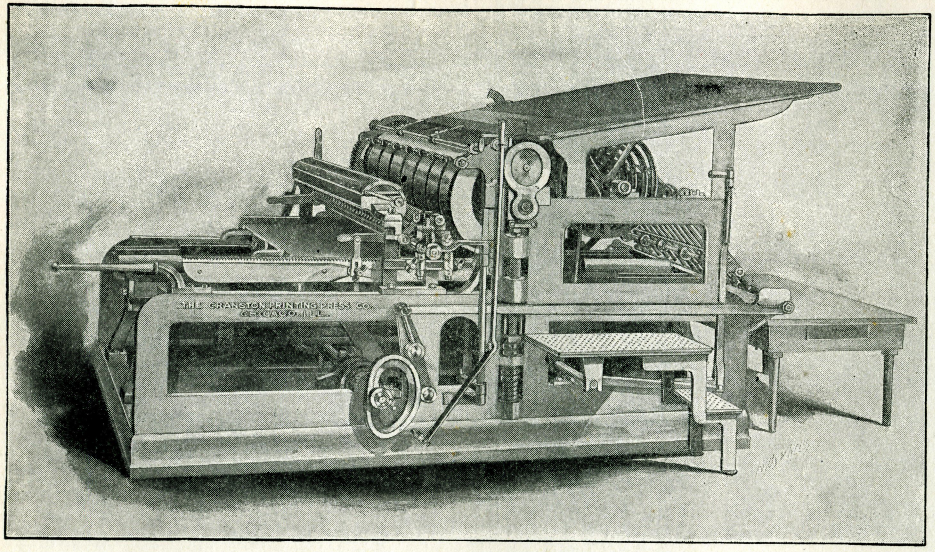
Size.	Inside Bearers.	Matter Covered.	Length of Base.	Width of Base.	Weight Boxed.	Price.
*No. 0	18×25	13×21	5 ft. 4 in.	3 ft. 3¾ in.	4,500	. . . .
*No. 1	21×28	16×24	5 ft. 8¾ in.	3 ft. 8¼ in.	5,500	. . . .
*No. 1½	21×36	16×32	5 ft. 8¾ in.	4 ft. 4½ in.	6,500	. . . .
*No. 1A	24×30	19×26	6 ft. 2½ in.	3 ft. 10¼ in.	6,500	. . . .
No. 2	25×36	22×32	6 ft. 5½ in.	4 ft. 6 in.	7,500	. . . .
No. 2A	25×38	22×34	6 ft. 8¾ in.	4 ft. 7¾ in.	8,500	. . . .
No. 2½	29×43	24×39	7 ft. 4½ in.	5 ft. —	10,000	. . . .
No. 3	32×46	27×42	7 ft. 9¾ in.	5 ft. 4½ in.	10,500	. . . .
No. 3½	33×48	27×44	7 ft. 9¾ in.	5 ft. 5 in.	11,000	. . . .
No. 4	34×50	29×46	8 ft. 4 in.	5 ft. 9¾ in.	13,000	. . . .
No. 5	36×52	31×48	8 ft. 8½ in.	5 ft. 9½ in.	13,500	. . . .
No. 5½	38×54	33×50	9 ft. —	5 ft. 11½ in.	14,000	. . . .

*Commercial Series.

Each press is furnished with overhead fixtures complete, blanket and hard packing, wrenches, iron steps, and two complete sets stocks.

THE CRANSTON-VICTOR TWO-REVOLUTION PRESS.

Two-Roller.



The track has wide runners, laid with steel. The table has three supports—two in the track, one on a center bearing placed on the girt—thus giving three continuous bearings through the line of impression without interference of a third track. Cylinder and lifting shafts, rolls, shoes, knuckles, are of steel. The smaller parts are built with a view to the greatest possible wear.

The mechanism for lifting the cylinder is simple, effective, and controlled by cam movements. No strain and no wear. Steel bearings.

The press has air springs; patent device for controlling motion of sliders; all gears and racks have wide faces, and are cut from the solid; distribution unfailing; large size form rollers, with bearings convenient and secure, easily placed in position and as easily removed; fly cam with continuous surface; deep fountain basin; arrangement for adjusting fountain roll; cover for fountain; adjustable bearers; hard-wood feed table; patent improved feed guides and side guide leaf on feed table; patent stop and reversing motion; automatic leaf-lifting device for preventing the tongues or guides from catching and tearing the tympan while reversing press; arrangement for throwing reel wheels on or off while making ready.

The movements are all conveniently and easily adjusted, and positive in their action.

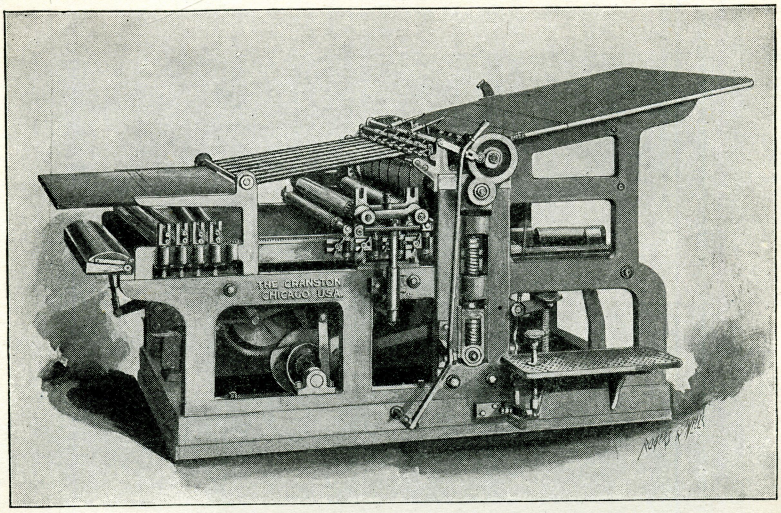
The speed of this press is all that can be obtained from any press of corresponding size and style.

Size.	Inside Bearers.	Matter Covered.	Length of Base.	Width of Base.	Weight, Boxed.	Price.
No. 4	34×50 inches	30×46 inches	8 feet 6 inches	5 feet 7½ inches	14,500 lbs.	
No. 5½	38×54 inches	34×50 inches	9 feet 6½ inches	5 feet 11½ inches	16,000 lbs.	
No. 6	42×60 inches	37×56 inches	10 feet	6 feet 3 inches	17,500 lbs.	

Each press is furnished with overhead fixtures complete, blanket or hard packing, wrenches, iron steps, two complete sets stocks—one set cast with composition ready for immediate use.

THE CRANSTON-VICTOR COMMERCIAL PRESS.

Two-Revolution, with Four Rollers



Various methods of engraving having been developed, and their utility practically demonstrated, the demand has been created for a press that will bring out delicate lines of half-tone, process, etched, photo-engraved plates, and work of this description, giving hat clear and distinct impression without which the best results are not attainable from such plates. The new Victor Two-Revolution Four-Roller Commercial Press is especially designed for this class of work. Possessing as it does the patented features of our larger sizes, it is, like them, solidly constructed, giving an *unyielding impression* and an *ample inking surface*. Its size is convenient and sufficiently large to meet all demands for work of this class, while the speed provides for rapid production. Many features are embodied in this press for convenience in make-ready, etc. The distribution is a complete system, by means of which every particle of inking surface is *evenly* and *thoroughly* covered. The movements are easily adjusted and positive in their action. The cam has a continuous surface, and the sheets are laid lightly on the table without smut or off-set. Adjustable fly-fingers. The height of the press is such that it can be fed from the floor, and it is built with special reference to convenience in working about it. Its register is *faultless*. This press is the result of careful study, and embodies suggestions from practical printers regarding the requirements for printing this special work. The very satisfactory results obtained from those in use prove conclusively that the Victor will meet all requirements made upon it.

The speed is equal to all reasonable demands for fine printing.

Size.	Inside Bearers.	Matter Covered.	Length of Base.	Width of Base.	Weight Boxed.	Price.
No. 2A . .	25×38 in. . .	22×34 in. . .	6 ft. 5¾ in. . .	4 ft. 5¾ in. . .	7500 lbs. . .	. . . .

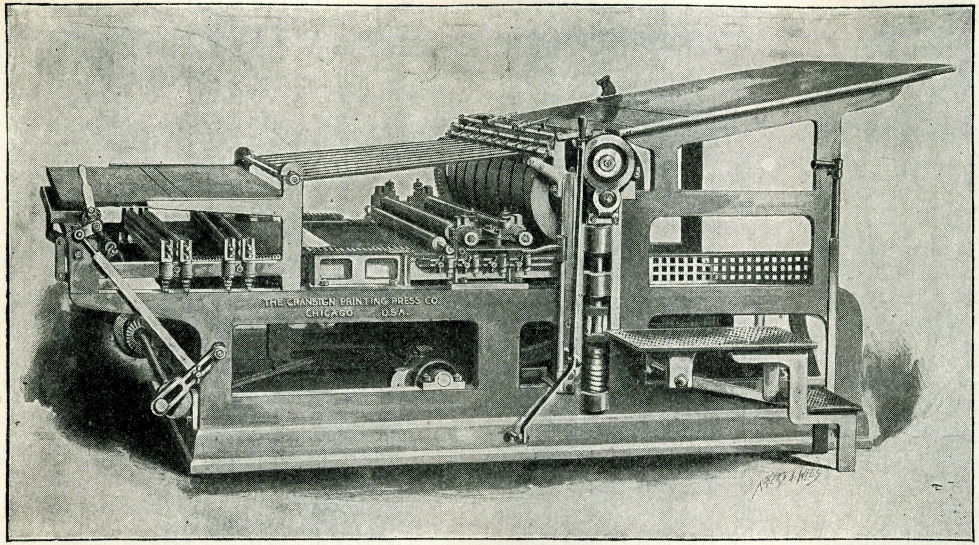
Each press is furnished with overhead fixtures complete, blanket or hard packing, wrenches, two complete sets stocks.

A WISE PURCHASE.

The No. 2A Cranston-Victor Press is a money-maker. Fine job printing, from small circulars to any size within its capacity, can be done at high speed and with the finest results. In a printing establishment doing general work of all grades this press will prove exceedingly useful and profitable. Its construction and features are such that making ready can be done quickly. It takes in a great range of work which cannot be so profitably printed on a larger press.

THE CRANSTON-VICTOR TWO-REVOLUTION PRESS.

Four-Roller.



The entire frame of the press is solid and compact. The tracks on both the table and runners are wide, laid with steel, and the rolls traversing on them are of the same material accurately gauged to size. The lifting mechanism for the cylinder is a direct cam motion, plain in construction, smooth running, operated with light power, requiring no weight. The shafts, cams, knuckles, studs, rolls, shoes, and all wearing parts, are of steel, and built with view of greatest possible resistance to wear. The shoes are securely fastened and doweled to the rack hangers. The cylinder has heavy flanges. The impression surface is strongly braced and supported. The press has hard-wood feed table; fly cam with continuous surface. Ample provision is made securing distribution and register.

This is a press that can be easily handled, with movements plain and direct in action, adjustments readily and conveniently made, resulting in the greatest economy of time and labor.

This press is provided with a trip, which may be thrown on or off at any point of the stroke of bed.

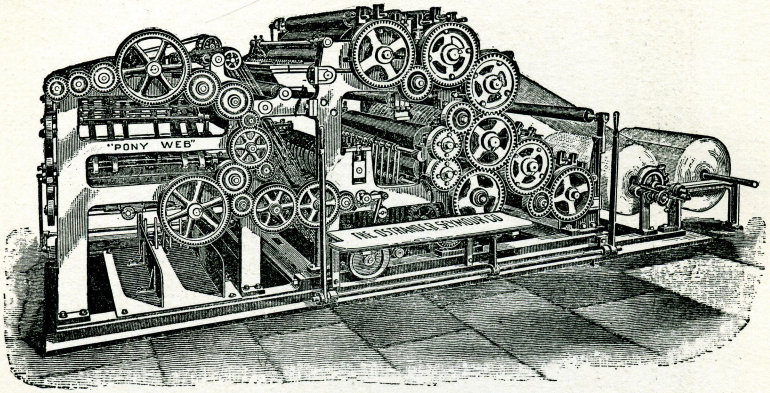
The reciprocating motion of the table is controlled by air springs which are simple and effective, having a plain valve which is in itself direct acting without any complicated attachments. The sheets are delivered to the fly by the tapeless delivery. The down-delivery attachment gives a positive and unfailing delivery of sheets on the fly table. As far as practicable on all our presses, the adjustments are made with thumb nuts. The sliders are attached to the table by our patent slider motion, and uniformity in travel is thereby insured. The patent feed guides and adjustable side-guide leaf on feed table can be adjusted with the utmost precision without leaving the feeder's platform. Reel wheels are readily thrown on or off while making ready. The patent stop and reversing motion enables the feeder to stop the press instantly at any desired point, and run it backward, thereby effecting economy of time and labor, as he has absolute control of the press without leaving his position. The automatic leaf-lifting device prevents the tongues or guides from catching or tearing the tympan while reversing press.

Size.	Inside Bearers.	Matter Covered.	Length of Base.	Width of Base.	Weight Boxed.	Price.
No. 4	34×50 inches	29×46 inches	9 feet 6½ inches	5 feet 7½ inches	17,500 lbs.	———
No. 5½	38×54 inches	34×50 inches	9 feet 6½ inches	5 feet 11½ inches	18,500 lbs.	———
No. 6	42×60 inches	37×56 inches	10 feet	6 feet 3 inches	19,500 lbs.	———

Each press is furnished with overhead fixtures complete, blanket or hard packing, wrenches, iron steps, two complete sets stocks—one set cast with composition ready for immediate use.

OSTRANDER-SEYMOUR PONY WEB PERFECTING PRESS.

A Reliable Low-Priced Perfecting Press.



This press is designed for newspapers with a circulation which cannot be handled satisfactorily on flat-bed cylinders, but which could not profitably utilize high-priced and more elaborate perfecting presses. The Pony Web can be worked economically, will do the work equal to a press costing twice as much, and can be depended upon for durability, based on good materials and good workmanship.

This Pony Web Press is complete with stereotyping apparatus, make-up tables and chases, and will print four-page or eight-page papers of either 6 or 7 columns, or 7 or 8-column sizes, at a speed of from 10,000 to 12,000 per hour.

Prices, terms and full particulars sent on application. Can be built to order for special work at moderate additional cost.

LETTER FROM A USER.

AMERICAN TYPE FOUNDERS COMPANY, Buffalo, N. Y. BUFFALO, N. Y., August 4, 1897.

Dear Sirs:

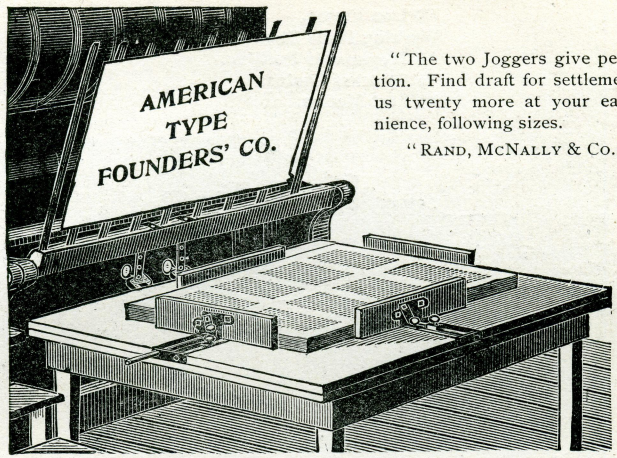
At your request I take pleasure in expressing my satisfaction with the Ostrander Web Press you put in my office. It is run with very little trouble by my old pressman who had no previous experience in either stereotyping or in running a web press. We get eight stereos made and the first 3500 papers off within an hour after the forms are received from my composing room. For comparatively green hands, this is good work. We run right along at a rate of from 9000 to 12,000 per hour. We frequently run several days without breaking the web, or being obliged to stop once, except for putting on new rolls of paper. As for the quality of the work, the *Mercantile Review* speaks for itself. I believe we will do even better when we get a little more experience. You are at liberty to refer any inquiries to me, as the press certainly handles my paper in good shape.

Very truly,
CHARLES H. WEBSTER.

GENERAL SELLING AGENTS,

AMERICAN TYPE FOUNDERS COMPANY.

COMBINATION PAPER JOGGER.



"The two Joggers give perfect satisfaction. Find draft for settlement, and send us twenty more at your earliest convenience, following sizes.

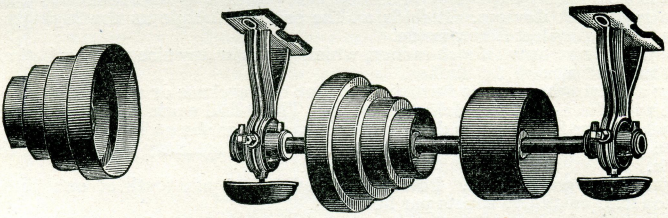
"RAND, MCNALLY & Co., Chicago."

Made with wings, to be instantly removed if desired. No projecting rod on front side to tear clothes. This of itself is worth the price of a Jogger. Patent attachable wings for small Joggers, by which letter-heads, etc., can be evened up.

24×36 inches, or less	$15 00
36×48 inches, or less	18 00
Larger than 36×48 inches	20 00

OVERHEAD POWER FIXTURES.

Consisting of countershaft, two adjustable hangers with oil cups, two cone pulleys, and driving pulley for main shaft.



LIGHT FIXTURES FOR EIGHTH MEDIUM PRESSES AND SMALLER.

No. 1—3 speed, 6 to 9 inches, belt 1½ inches	$15 00
No. 2—4 speed, 7 to 10 inches, belt 1¾ inches	18 00

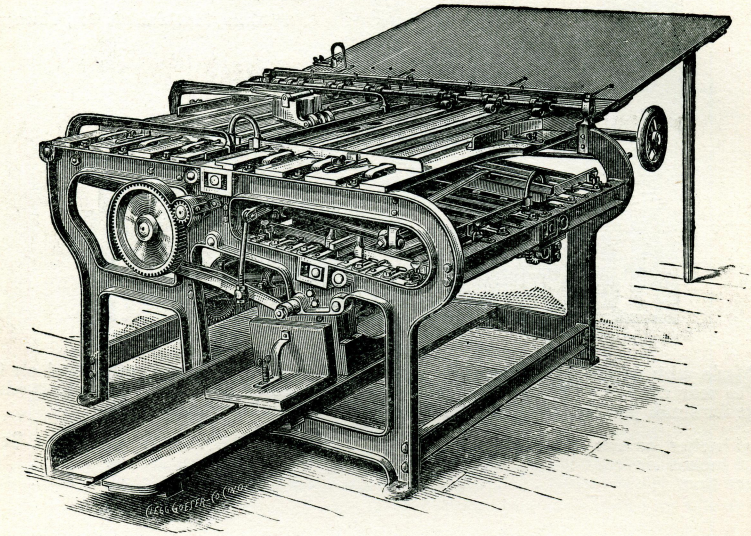
HEAVY FIXTURES.

No. 3—3 speed, Eighth Medium	$20 00
No. 4—4 speed, Eighth Medium	22 50
No. 5—3 speed, Quarto Medium	22 50
No. 6—4 speed, Quarto Medium	25 00
No. 7—3 speed, Half Medium	27 50
No. 8—4 speed, Half Medium	30 00

Shafting, Hangers, Pulleys and Collars Furnished to Order at the lowest prices.

TRIBUNE NEWSPAPER FOLDER.

All Iron Frame.
Working Parts Steel and Iron.
All Movements Positive.
No Sprocket Chains.
No Lost Motion.



This is a folder of the highest grade of construction and efficiency, without a superior for its purpose on the market, and sold at such moderate net prices as to make so-called "cheap" folders highly expensive in comparison—durability and reliability considered. It has no makeshift devices. It folds on the same principle as the high-grade book machines. The simplest folder made.

Made in one size only, 36×48 inches, which takes in any size sheet, whether folio or quarto, from 22×32 to 36×48 inches.

Paster and trimmer can be furnished at time of purchase or added afterward.

Made with three- and four-fold deliveries. Three-fold work is delivered in a receiving box, while four-fold work is delivered in a packer, as shown in illustration.

In the hands of a competent operator it will fold ordinary sixteen and thirty-two page work.

Weight about 900 pounds. Power required, about one-tenth of one horse-power. Speed, 3000 folio or quarto sheets per hour.

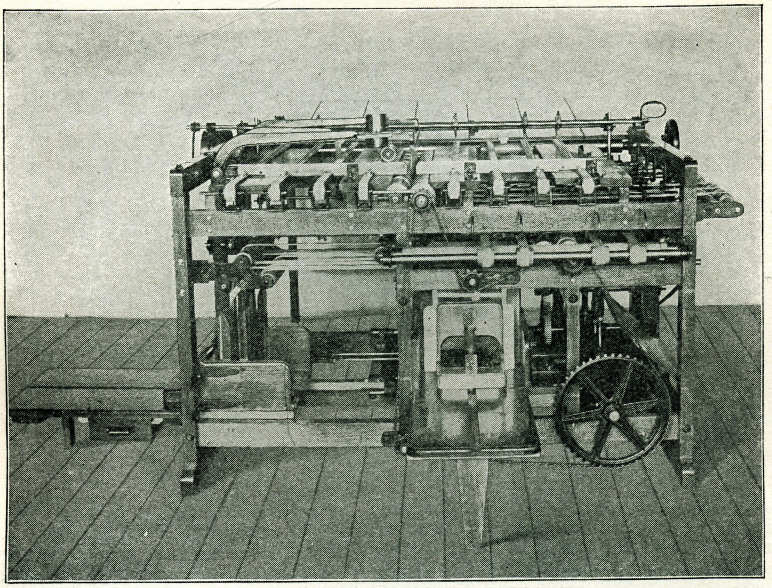
LIST PRICES.

For hand feed	$400 00
Paster and trimmer	25 00
Fixtures for attaching to press, net	50 00 extra.
Two- and four-page insetting attachment, net	100 00 extra.
Two- and four-page covering attachment, net	100 00 extra.

Circulars and discounts on application.

The net price of this thoroughly reliable and durable Folder is very little more than asked for inferior affairs which in the end will prove to be most expensive and least satisfactory. This Folder is made to do perfect work for many years.

BENNETT ECONOMICAL FOLDER.



Has a strong, wooden frame, with working parts of iron. Delivers at third and fourth folds, and can be changed without stopping machine. Has pasting and trimming attachment for eight (8) page work. Built in hand-feed, or attachable to any cylinder press, front or back delivery. All journals are of tool steel, with journal boxes three diameters long, hung in self-adjusting pivot hangers, making it possible to remove any fold roll, driving or rock shaft in a few moments and replace in line, and there is not a gear on the machine but can be reached conveniently, and removed easily. All adjustments are made by screw, each tape tightened independently, and drop of fold blades can be regulated by the "turnbuckle" adjustment to one-hundredth of an inch. There are side guides to insure accuracy in folding, whether a sheet comes from a press or feed-board.

No extra charge for press fixtures in attachable machines, except for front-delivery press.

LIST PRICES.

32×44 (6-Column Quarto), or 36×50 (7-Column Quarto), including Paster and Trimmer	$240 00
Folio Supplement Attachment, with Paster	50 00
Quarto Supplement Attachment, with Paster	85 00
Folio and Quarto Supplement Attachment, combined	125 00
Cover Attachment for eight pages	100 00
Fifth or Post-office Fold	50 00
Hand Feed and Attachable in one machine	50 00
Attachments for Front-Delivery Press	25 00

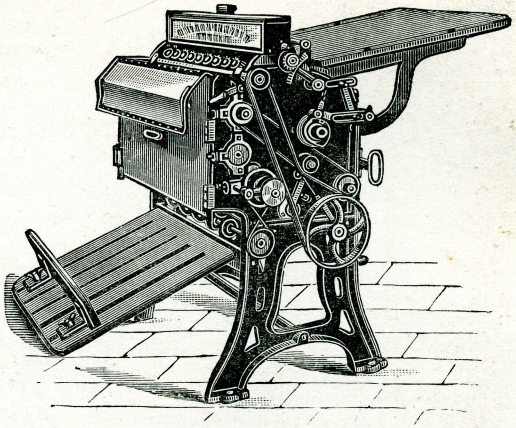
THE BENNETT COUNTRY QUARTO FOLDER.

This machine is exactly the same as the Economical Folder, except that, instead of regular packing boxes at the third or fourth fold, it has a packing box at the fourth fold and a drop box at the third fold.

6 or 7-Column Quarto, including Paster and Trimmer $200 00

Hand feed or attachable to press.

EMMERICH BRONZING MACHINE.



Over one thousand of these excellent machines are in use, and all give satisfactory results. They apply the bronze, polish and remove the superfluous powder, and deliver the sheet, bronzed side up, at a speed of two thousand on the smaller sizes. They are self-adjusting for all thicknesses of paper. They are made to be belted to a main shaft, and are equipped with belt shifter and tight and loose pulleys.

No.	Maximum Capacity.	Floor Space.	Weight Pounds.	Speed of Driving Pulley.	Diameter Driving Pulley.	Price f. o. b. factory.
1	9×15	24×30	320	330	6 inches	$300 00
2	14×25	30×37	390	360	6 inches	375 00
3	16×30	44×50	600	110	10 inches	475 00
4	20×35	48×54	750	105	10 inches	550 00
5	25×40	54×58	900	90	10 inches	650 00
6	28×44	57×60	1050	140	13 inches	750 00
7	34×50	62×65	1225	140	13 inches	850 00
8	36×54	65×70	1350	140	13 inches	925 00

EMMERICH CARD BRONZING MACHINE.

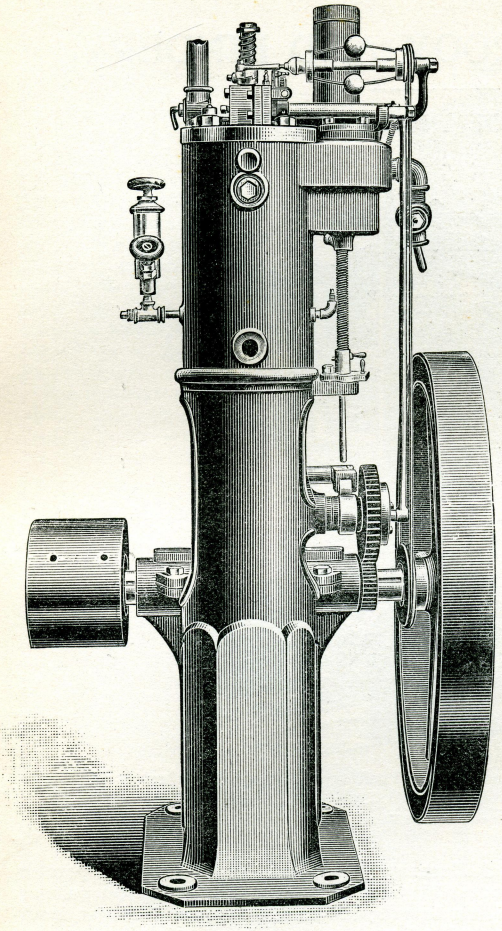
Specially constructed for bronzing heavy stock that will not conform to a cylinder, such as photograph mounts, thick cards, etc. Both sides of cards are dusted at one operation. Forty photograph mounts per minute is the speed.

No.	Maximum Capacity.	Floor Space.	Weight Pounds.	Speed of Driving Pulley.	Diameter Driving Pulley.	
1	10 inches	24×34	350	200	8 inches	$
2	14 inches	28×37	420	200	8 inches	———
3	20 inches	34×40	525	175	10 inches	———
4	24 inches	38×45	650	175	12 inches	———

Prices will be quoted upon receipt of sample or description of work to be done.

For Prices of Bronzes and Hand Bronzing Devices, *see page 91.*

HERCULES SPECIAL GAS AND GASOLINE ENGINE.



The superiority of a good gas engine to a steam engine in economy, convenience, safety, cleanliness and availability at a moment's notice is conceded by all, and more especially in offices where the use of power is intermittent; because with steam power, if used only at short intervals during a day, steam must always be kept up, and the fire and boiler constantly watched, while with a gas engine one turn of the wheel and your power is available, and when done with all expense ceases. With the gas engine there is no dirt, no coal, no engineer, no noise, no smoke, no annoyance, do danger.

The Hercules Special is a modern gas engine, built on the same substantial and durable lines as a first-class steam engine, held in a solid, heavy frame of No. 1 grade iron, with all working parts of bronze or forged steel, highly finished, with automatic governor, sight feed lubricators, and adjustable oilers.

The principle of construction is designed to get the maximum power with the minimum consumption of gas, and the consumption is automatically regulated to correspond with the power used. If only ½-horse power is used, then the consumption of gas is about one-fifth as much as if the maximum power of the engine was in use. The consumption of gas is about fifteen cubic feet per horse-power (actually used) per hour.

The gas is ignited by either an electric spark generated by the contact of two heavy, hardened steel electrodes, which are easily adjusted while engine is running, or by means of a heated metallic tube, or by both methods.

WHEN USED AS A GASOLINE ENGINE.

The gasoline, which may be of a cheap grade (74° test), is fed from a tank placed at a distance, and connected with the gas chamber on the side of engine. The gas passes into the mixing valve, and combines with the requisite quantity of hot air to secure perfect combustion, full power, and no smell. Full directions for making and placing gasoline tank and connecting same are sent with the engine. The gasoline engine consumes about one-eighth of a gallon of gasoline per horse-power per hour, and the consumption is in proportion to the power used.

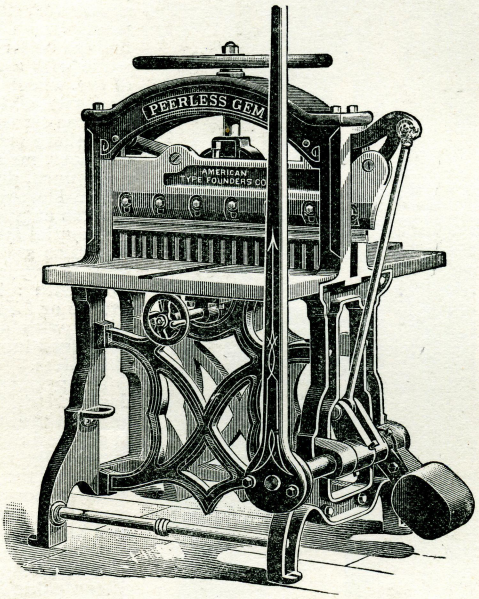
2½ horse-power (actual) $185 00

Send for descriptive circular.

When required, the Hercules is supplied with the necessary appliances for operating by both gas and gasoline.

FOR STOCK ROOM AND BINDERY.

PEERLESS GEM PAPER CUTTERS.



This illustrates the 30- and 32-inch Peerless Gem Paper Cutter, except that the balance weight is now hung inside the frame as shown in cuts of 23-inch size on opposite page.

Superior in every detail and in the leverage, cutting with greater ease to operator, and returning from cut with the least possible exertion, owing to their perfect balance. The frame is stronger, heavier and better braced; the knife thicker and deeper, insuring a truer cut and longer life; the lever is adjustable; the balance weight is now hung inside the frame, thus saving floor room. There are split back gauges, side gauges, and a front enameled measuring gauge. Unexcelled in construction, materials used, and finish.

Compare details of construction given below with those on other cutters.

23-inch, cuts 23¼ inches	$100 00
25-inch, cuts 25¼ inches	125 00
30-inch, cuts 30¼ inches	175 00
32-inch, cuts 32¼ inches	200 00

DETAILS OF CONSTRUCTION.

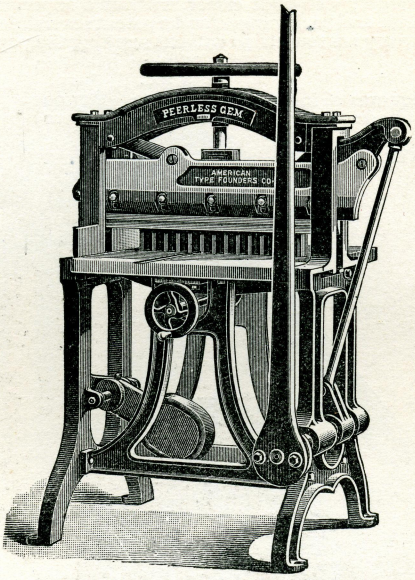
	Weight, Unboxed.	Thickness of Knife Bar.	Thickness of Knife.	Depth of Knife.	Diameter Lever Shaft.	Diameter Steel Lever Connection Shaft.
30-inch	1340 lbs.	1¾ in.	½ in.	5 in.	2 in.	1⅛ in.
32-inch	1425 lbs.	1¾ in.	½ in.	5 in.	2 in.	1⅛ in.

25-INCH PEERLESS GEM CUTTER.

Excels all other cutters of its size in weight, ease of cut, strength, durability and finish. It is built on the same design as the Peerless Gem in all points, except that the lever is fixed on the shaft instead of being adjustable. The weight is 825 pounds, unboxed; has 4½×⅜-inch knife; 1¾-inch knife bar. The best money's worth ever offered in a 25-inch paper cutter.

The leverage both while cutting and returning is perfect, reducing the exertion of cutting to a minimum.

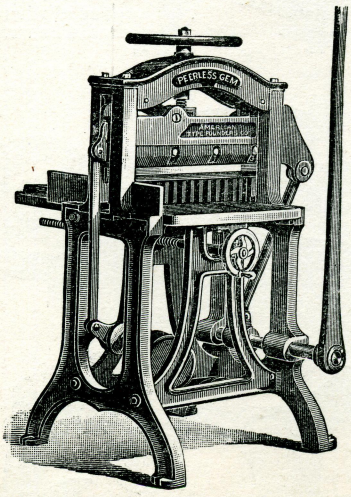
The balance weight is hung inside the frame to save floor space.



Style of 25-inch Peerless Gem Cutter.

25-inch, cuts 25¼ inches $125 00

23-INCH PEERLESS GEM CUTTER.



Style of 23-inch Peerless Gem Cutter.

No other cutter of this size, or about this size, equals the new 23-inch cutter. It weighs 725 pounds, unboxed; has 4½×⅜-inch knife, and 1¾-inch knife bar. Built on the Peerless-Gem principle, it has leverage of maximum power and easy return, and all the features of the 25-inch Peerless Gem Cutter. It is not possible to build a better cutter for the money asked.

The balance weight is hung inside the frame, thus saving floor space and removing an annoying obstruction.

23-inch, cuts 23¼ inches $100 00

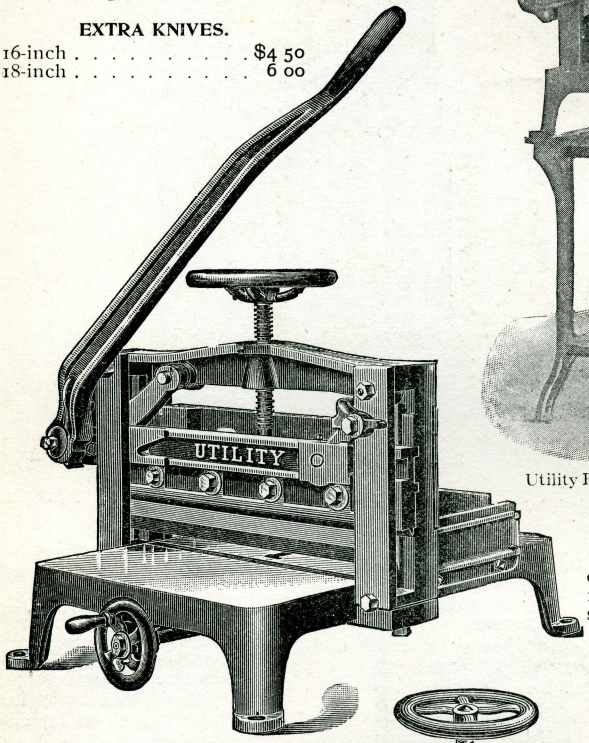
UTILITY PAPER CUTTER.

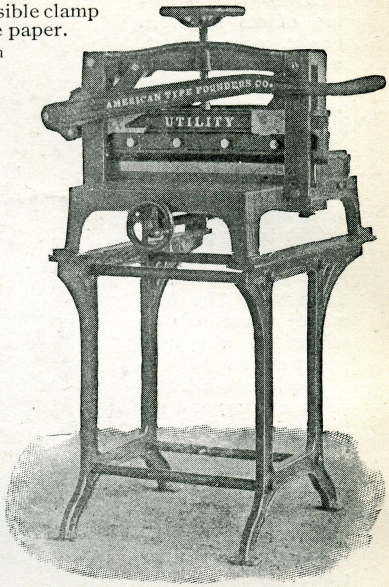
A thoroughly well-built cutter, without a superior of its size. Has side and back gauges, and a patent reversible clamp which cuts very narrow strips without marking the paper.

	Without Stand.	With Iron Stand.
Cuts and squares 16 inches . . .	$50 00	$57 00
Cuts and squares 18 inches . . .	60 00	67 00

EXTRA KNIVES.

16-inch $4 50
18-inch 6 00





Utility Paper Cutter with Iron Stand.

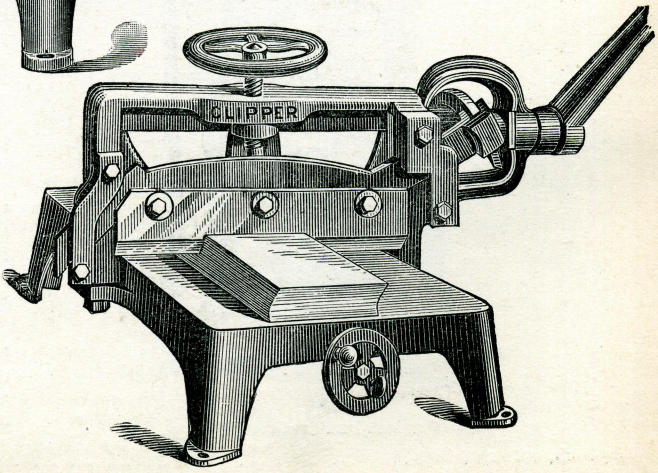
WITH IRON STAND.

Iron stands are made for each size, and are recommended where bench room should be saved.

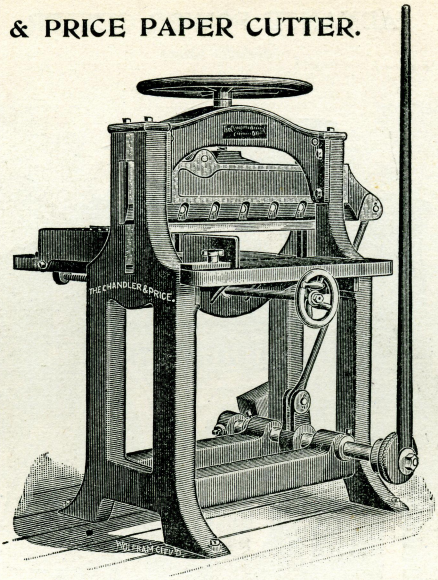
CLIPPER PAPER CUTTER.

Designed for cutting small work, such as labels, circulars, etc. Has a patented reversible clamp, which cuts very narrow strips and leaves no marks on the paper. The lever is pulled forward to cut. Quality of construction is A1.

Cuts and squares 12 inches . . . $40 00



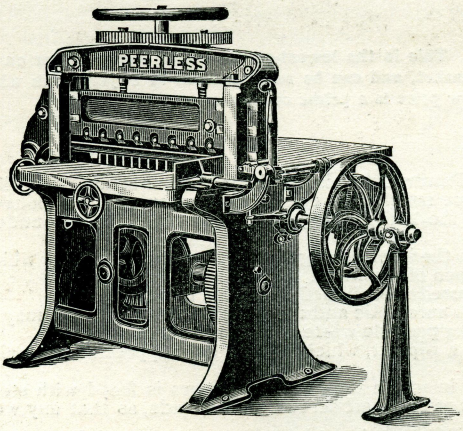
CHANDLER & PRICE PAPER CUTTER.



Of modern and strong construction, and built by one of the most reliable builders of printing machinery in the world. Has interlocking back gauge and clamp, and gauges to a half inch from the cutting edge of the knife. Has side gauges and adjustable lever.

23-inch . . . . . $100 00 | 26-inch . . . . . $130 00 | 30-inch $175 00

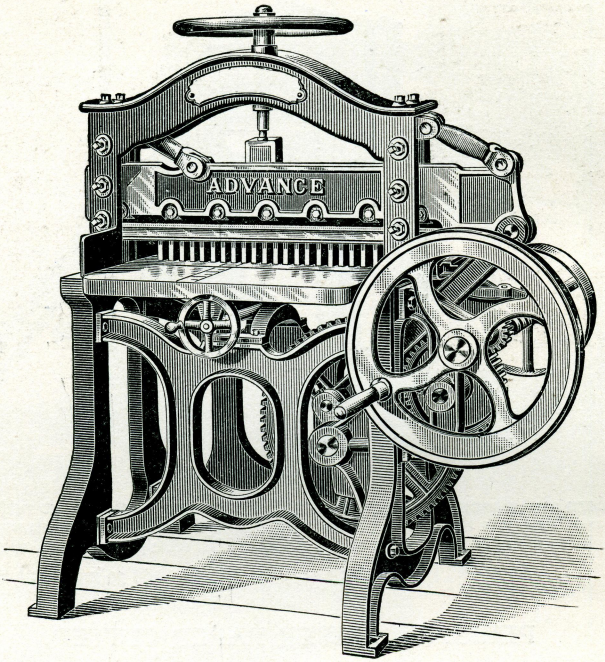
PEERLESS POWER PAPER CUTTER.



A powerful, compact, well-built cutter. The clamp is operated by two worm-screws, which give it great firmness. Has interlocking back gauges and clamp, side gauges and measuring gauge. All movements are positive; all adjustments easy and rapid.

Cuts 36 inches square . . . . . $650 00 | Cuts 40 inches square $800 00

ADVANCE POWER CUTTER.



This is the lowest-priced Power Paper Cutter on the market, and can be recommended to buyers with whom low price is a prime consideration.

The Advance Power Cutter is fitted for hand or steam, is solidly built, the frame is firmly stayed by two substantial cross-braces, upon which is bolted the arch that supports the center of the bed, making it perfectly rigid and firm under pressure of clamp or knife.

It is fitted with the interlocking back gauge and clamp, by which paper may be cut to within half an inch of the knife.

It has brass figured rules in bed, back and front.

The throw-off is automatic and stops the knife instantly; it may be thrown off at any point, thus obviating possible waste of paper through error.

The knife has a dip-cut, which will be duly appreciated by all requiring a power paper cutter.

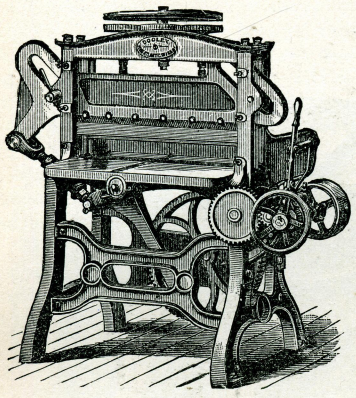
The slideways in which the knife bar moves is faced with steel gibs secured and adjusted by means of three set-screws on each side, so that any wear in the slideways may be taken up quite easily.

This is a very convenient style of cutter, as it will be found to be an effective and easily operated hand-power cutter at times when other power is not available.

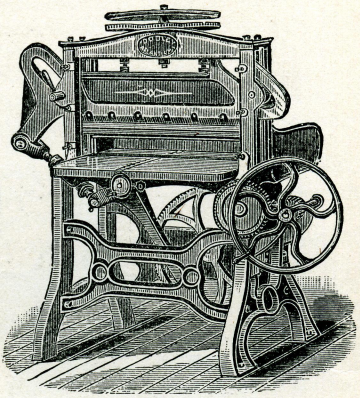
30-inch, squares 30 inches $300 00
33-inch, squares 33 inches 350 00

DOOLEY PAPER CUTTERS.

Hand Clamp.



32-inch Power and Hand Wheel Dooley Cutter.



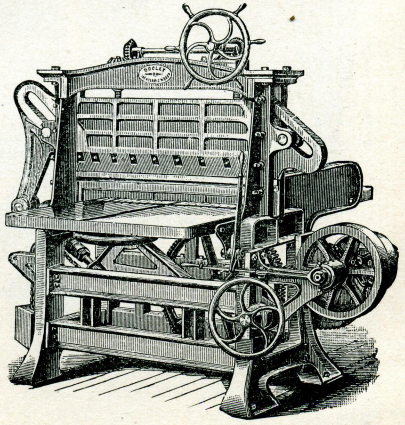
32-inch Hand Wheel Dooley Cutter.

These cutters are of superior merit, and are sold at moderate prices. They are very carefully made, and with the best materials. They have found favor with firms of national reputation, in whose establishments paper cutters are put to the severest tests. Among several hundred users the following names will be recognized by all printers and bookbinders:

L. PRANG & Co., Boston.
J. C. AYER Co., Lowell, Mass.
DENNISON MFG. Co., Boston.
JOHN A. LOWELL & Co., Boston.
MAST, CROWELL & KIRKPATRICK, Springfield, Ohio.
GOVERNMENT PRINTING OFFICE, Washington, D. C.

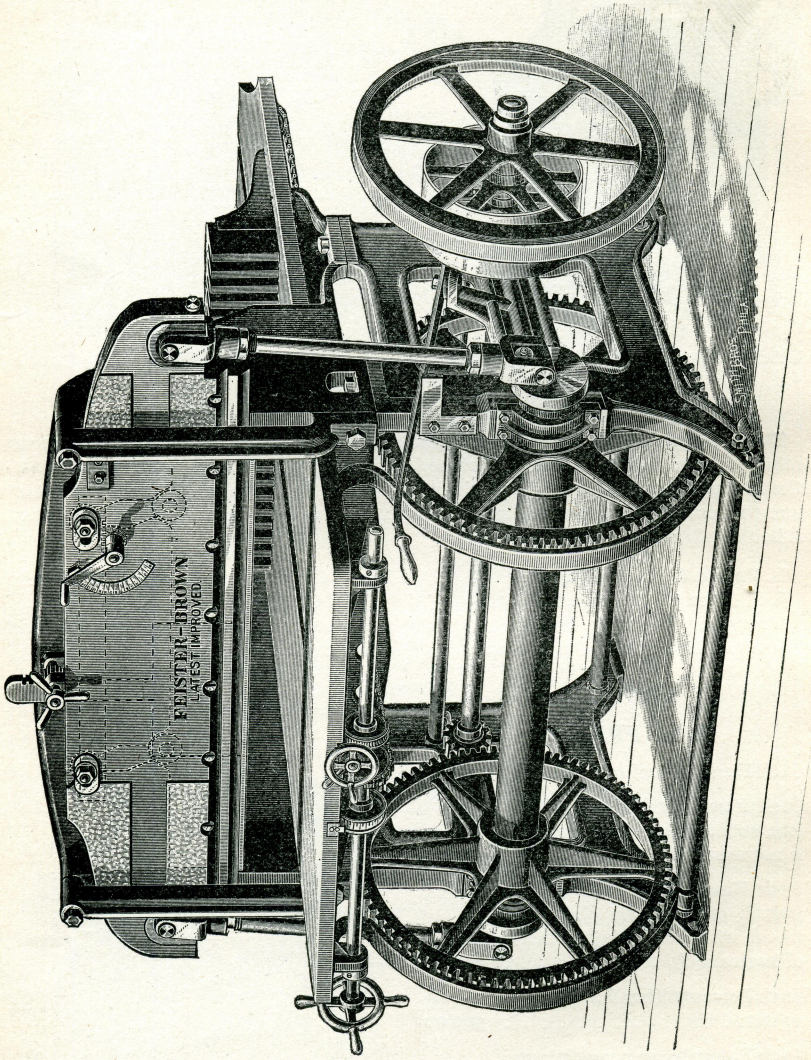
LIST PRICES.

32-inch Hand Wheel (see cut) . .	$300 00
32-inch Power and Hand Wheel (see cut in which driving-wheel is not shown)	350 00
36-inch Hand Wheel (differs from 32-inch only in the clamping-wheel, which is upright instead of horizontal)	450 00
36-inch Power (differs from 32-inch, as stated above)	500 00
40-inch Power (very powerful; see cut)	750 00
48-inch Power (very powerful; see cut)	1000 00



40-inch and 48-inch Power Dooley Cutter.

FEISTER-BROWN SELF-CLAMPING PAPER CUTTER.



FEISTER-BROWN SELF-CLAMPING PAPER CUTTER.

See illustration on opposite page.

The automatic clamp on this cutter is so constructed that it can be made, by the turn of a lever, to clamp hard or easy as the nature of the work may require. This clamp is actuated by a patent automatic parallel link motion that has only three working parts, which cannot get out of order. It will hold one sheet or five inches of paper with equal security. It is provided with an advance gauge which can be brought down to the work at will, in advance of the knife, and returned to its highest position whether the knife is moved or not.

The knife bar is actuated by a very strong shaft, fitted with cranks at both ends. These cranks have adjustable connecting rods attached to universal bearings on both ends of the knife bar and on the cranks (no awkward ball joints).

Motion is imparted to the crank shaft by twin gears and forged steel pinions, all placed inside of the machine frame, with the result that all strain of clamping and cutting is equally distributed over the whole machine frame (no oblique or twisting strains on the machine).

The machine is driven by one of the most complete friction clutches ever applied to a machine, which contains the fewest possible parts to be used to obtain the most durable and best results, and the machine can be run from twenty-five to thirty cuts per minute with ease and safety.

The whole upper portion of the machine frame, including table, side gauge, girder and top cross stay or arch, are cast in one solid, massive, rigid piece of iron. Not a bolt is used, therefore none can work loose, besides the machine has the advantage of being much truer and stronger than when bolted together in the old way.

The back gauge is made in two parts for printers' use and in three parts for bookbinders' use, so that heads, tails and fronts of books can be trimmed without moving or changing it.

It is fitted with quick traverse movement, as well as hand-screw movement for "fine precision adjustment."

A measuring band, in convenient sight of the operator, indicates the sizes to be cut, both in front of the knife as well as between the back gauge and knife.

The back gauge is fitted with patent finger sections that slide so close on the table that the thinnest tissue cannot get under it. They also enter recesses in the clamp, so that the last of the stock can be cut up close to the knife. By this method there are no awkward grooves planed in the table to displace the under sheets, as used on some makes of machines.

This machine is a model of simplicity in construction. It contains but eight main moving parts. There is nothing about it to get out of order.

This cutter is the joint invention of Samuel Brown (inventor of the Brown & Carver Paper Cutter) and H. P. Feister (inventor of the Feister Perfecting Press and other well-known machines), and is the fruit of their very lengthy experience in constructing paper cutters.

LIST PRICES F. O. B. FACTORY.

Size.	Diameter and Width of Face of Driving Pulley.	Revolutions per Minute of Driving Pulley.	Floor Space.	Weight when Boxed.	Price.
35 inches	18×3 inches	275	6 ×5½ feet	3800 lbs.	$600 00
39 inches	18×3 inches	275	6½×6 feet	4300 lbs.	725 00
45 inches	18×3 inches	275	7 ×6½ feet	4800 lbs.	910 00
51 inches	22×4 inches	220	7½×7 feet	5700 lbs.	1225 00
59 inches	22×4 inches	220	8 ×7½ feet	6100 lbs.	1550 00
66 inches	22×4 inches	220	8½×8 feet	6800 lbs.	1850 00

CUTTING STICKS.

	½ inch Square.	¾ to 1½ inch Square.	Round for Acme
30-inch and under, per dozen	$0 75	$1 50	$2 50
34-inch and under, per dozen	0 80	1 60	2 50
38-inch and under, per dozen	0 85	1 70	2 75
44-inch and under, per dozen	0 95	1 85	3 00
48-inch and under, per dozen	1 00	1 95	3 50
54-inch and under, per dozen	1 10	2 10	4 00

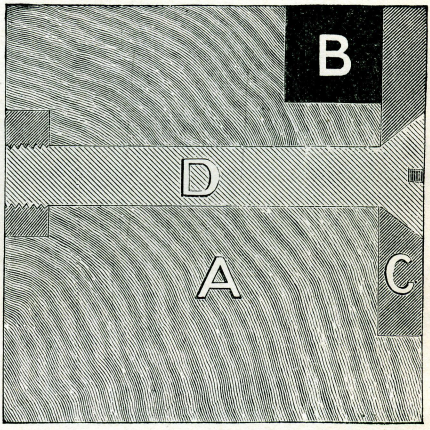
CUTTING STRIPS.

For Hamilton's Patent Cutting Stick, described below.

Under 38 inches, per dozen, net	$0 25
38 inches and not exceeding 54 inches, per dozen, net	0 40
55 inches and longer, per dozen, net	0 50

HAMILTON PATENT CUTTING STICK

Consists of a main body piece (A), made to fit the groove of your paper cutter. The body piece has a groove or recess in it, which holds a small strip (B) one-quarter of an inch square. This removable strip is the cutting surface, and is held in place by a steel clamp (C), which is drawn up by the bolts (D). The cutting strips, being square, can be used on four sides, thus giving the same amount of service as the large-size sticks heretofore used.



SEE THAT B?

A is the body piece made to fit groove in cutter.
B is the cutting strip on which knife strikes. It is one-fourth inch square, and is just as effective as if it was one and one-quarter inch square, also cheaper, and always fits.
C is the steel clamp which holds the cutting strip and prevents warping.
D is the screw which grips the clamp to the body piece.

ADVANTAGES.

1. The steel strip or clamp (C), running the extreme length of the main body piece, and firmly screwed thereto, effectively prevents springing and warping, which cannot be prevented on ordinary cutting sticks.

2. There is no wear on the body piece, and as it is fitted exactly to the groove of your cutter your troubles from ill-fitting sticks (necessitating packing, etc.) cease.

3. The cutting strips are all made to a uniform standard and are interchangeable, and thus there is an absolute certainty of them fitting.

HOW TO ORDER.

1. Give size square the main body piece is to be. Be particular on this point, and see that groove in cutter is accurately measured. 2. Give length of stick. 3. State how far from *front* edge of stick the knife strikes. 4. State whether knife cuts from right to left or left to right. In ordering cutting strips give the exact length required. All strips are cut to a standard uniform gauge, and are sure to fit.

Main body piece, under 38 inches long, net	$5 00
Main body piece, 38 inches to 54 inches long, net	6 00
Main body piece, 55 inches long and over, net	7 00
Cutting strips, under 38 inches long, per dozen, net	0 25
Cutting strips, 38 inches to 54 inches long, per dozen, net	0 40
Cutting strips, 55 inches and longer, per dozen, net	0 50

AUTOMATIC KNIFE GRINDERS.

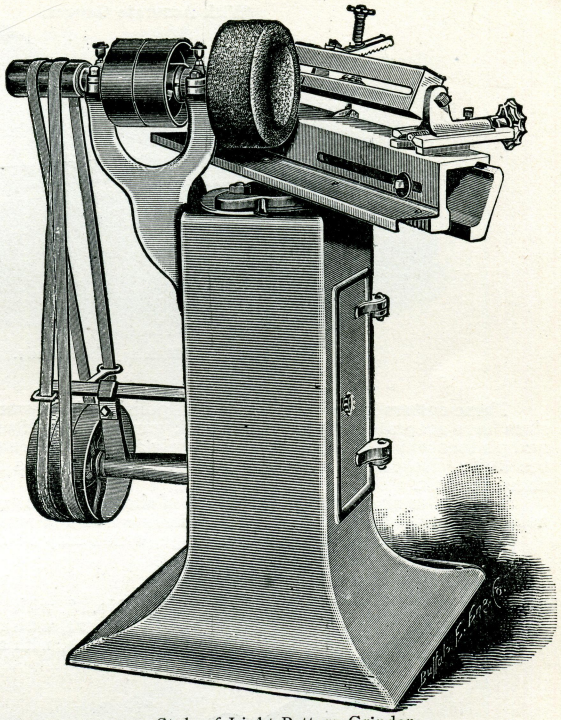
Knife grinders have become a necessity in large printing offices, as well as in offices remote from grinding establishments, as in the latter the saving not alone of the cost of grinding, but of expressage, delays, and extra knives will very soon pay for the cost of a knife grinder.

Two styles are made. In the light pattern, as illustrated on this page, the slide or knife holder is moved by hand against the emery wheel, which is turned by power.

The weight of the 32-inch size is 550 pounds, boxed. The tight and loose pulleys are six inches in diameter, and should run at 1100 revolutions per minute.

The grinder is adjustable for flat or concave grinding. The emery wheels are eight inches in diameter, with three and one-half inch face, and can be used up almost entirely. Extra wheels cost $4 00 each, net.

In ordering light or heavy pattern grinders it is necessary to send accurate description of knives to be ground. Knife holders are made to suit any knife without extra charge.



Style of Light Pattern Grinder.

NET PRICES OF LIGHT PATTERN (STYLE B) GRINDERS.

	Complete
Grinds knives up to 26 inches	$ 75 00
Grinds knives up to 32 inches	85 00
Grinds knives up to 44 inches	105 00
Grinds knives up to 54 inches	$130 00
Grinds knives up to 60 inches	140 00
Attachments for water, extra	10 00

HEAVY PATTERN AUTOMATIC KNIFE GRINDER.

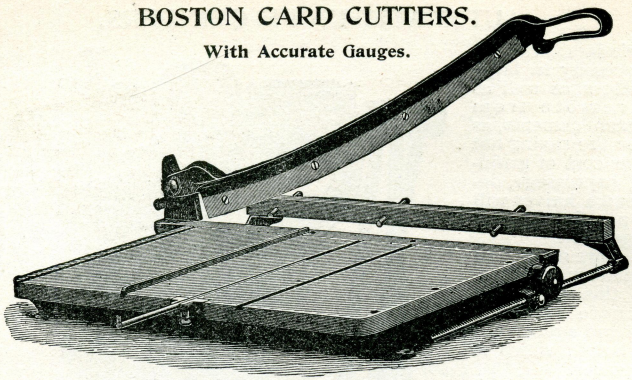
In this style the knife holder is moved by power, and reverses automatically. The knife holder can be set at different angles from the emery wheel, which has a flat face with the corners rounded off. If the bed is set at a right angle to the emery-wheel spindle, the knife moves back and forth against the face and is ground a flat bevel; if it is set at any other angle the rounded corner will do the grinding and the bevel will be concave. This feature will be appreciated by those who prefer a flat, stout edge for rough work, and a thin, concave edge for fine work. The emery wheels are twelve inches in diameter with four-inch face, and can be used up almost entirely. Extra wheels cost $7 00 each, net. The tight and loose pulleys are eight inches in diameter, and should run at 800 revolutions per minute. Weight of the 108-inch grinder is 1800 pounds. A perfect water attachment is supplied, the water being delivered in any desired quantity on the bevel of knife by means of a brass centrifugal pump.

NET PRICES OF HEAVY PATTERN (STYLE A) GRINDERS.

	Complete
Grinds knives up to 54 inches	$200 00
Grinds knives up to 60 inches	215 00
Grinds knives up to 76 inches	235 00
Grinds knives up to 84 inches	260 00
Grinds knives up to 90 inches	$280 00
Grinds knives up to 96 inches	310 00
Grinds knives up to 108 inches	350 00

BOSTON CARD CUTTERS.

With Accurate Gauges.



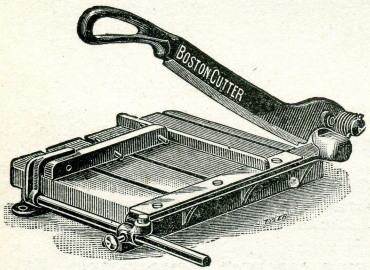
No. 24. With 24½-inch blade.

These cutters have iron frames and polished hard-wood tables. The Nos. 12 and 24 sizes have accurate front, side and back gauges. The front gauge is operated by racks and pinions which hold the gauge securely at each end, and move it exactly parallel with the knife. No clamp is required, as the knives have a drawing cut, which keeps the sheet straight.

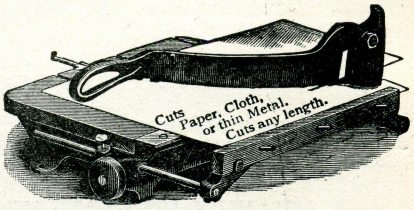
The No. 12 size will cut any length of sheet in two or more cuts, as the standard that holds the knife bar is on its inner side in line with the cutting edge, as shown in the cut.

The No. 8 size has a reversible gauge, which may be used either at front or back.

No. 8, with 8½-inch blade **$8 50**
No. 12, with 12½-inch blade **12 00**
No. 24, with 24½-inch blade **24 00**

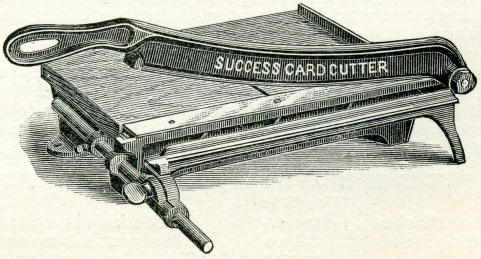


No. 8. With 8½-inch blade.



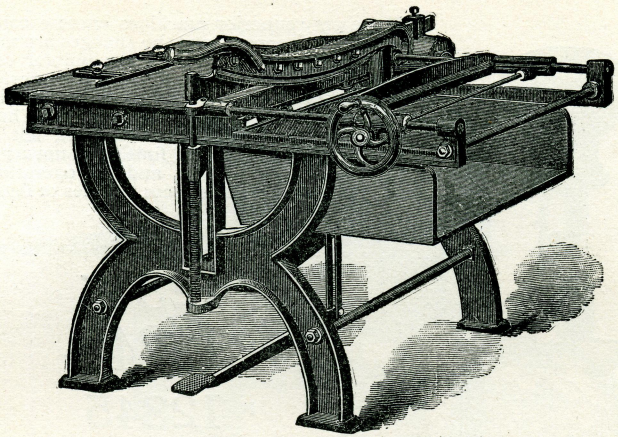
No. 12. With 12½-inch blade.

SUCCESS CARD CUTTER.



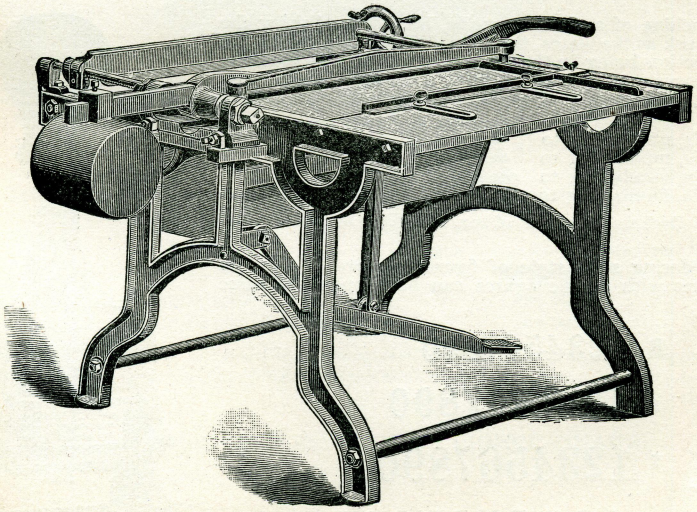
A well-made, reliable cutter, with movable side and front gauges. 12-inch knife . **$10 00**

MONITOR TABLE SHEARS.



Style of 34-inch Extra Heavy Monitor Table Shears.

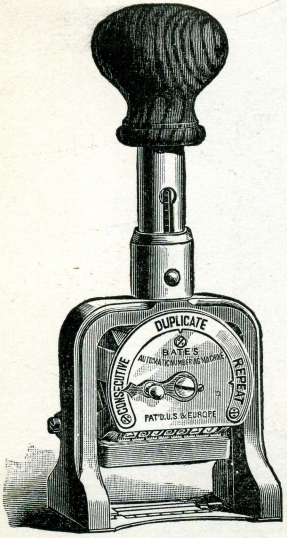
Two styles are made: No. 1, 32-inch, for general use, and No. 2, 34-inch, extra heavy, for work that demands greater power. The knife, gauges and method of operation are the same on each style. The knife-bar head is adjustable laterally and vertically, and another adjustment at the head enables the knife bar to be swung either way, so as to secure its perfect alignment with the bed, and insure a perfect shear cut. The screws holding the knife-bar head are 1⅜ inches in diameter, and are turned at an angle of 55 degrees, which prevents the knife bar from springing. The clamp is parallel, and descends upon the whole length of sheet at once when the foot is placed on the clamping treadle. The gauge is operated by a hand wheel attached to a geared pinion and rack. The rack is of steel. One revolution of the hand wheel moves gauge four inches. The table is scored both ways, and is provided with side and end adjustable gauges.



Style of 32-inch Monitor Table Shears.

No. 1, all iron, 32 inches $110 00
No. 2, all iron, 34 inches, extra heavy 150 00

BATES AUTOMATIC NUMBERING MACHINES.



Bates Machine, one-half actual size.

These very superior machines operate consecutively, duplicate and repeat, and the changes are made instantaneously by simply moving the pointer on the dial. The figures are cut in steel, and print perfectly. The movement of the figures is entirely automatic from 1 to the full numerical capacity of machine. The figures receive ink automatically from a thick felt pad. The mechanism, materials and finish are unsurpassed. All parts are interchangeable, and the operation is noiseless. Weighs about 16 ounces. Styles of figures follow:

A 12345

E 12345

G 12345

F 12345

Styles **E** and **G** are kept in stock and **A** and **F** are furnished to order at short notice.

4 wheels, numbering to 9,999	$12 00
5 wheels, numbering to 99,999	14 00
6 wheels, numbering to 999,999	16 00
7 wheels, numbering to 9,999,999	18 00

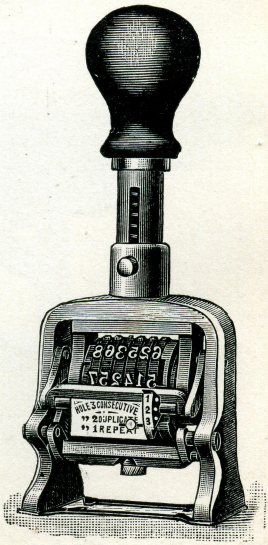
Prices include ink and pad.

PARAGON NUMBERING MACHINE.

A machine of a cheaper grade, but accomplishing the same work as the Bates, the chief difference in method of construction being in the dial-changer. In this machine the changes are made by inserting a pin in the holes opposite the indicators.

4 wheels, numbering to 9,999	$8 00
5 wheels, numbering to 99,999	9 00
6 wheels, numbering to 999,999	10 00
7 wheels, numbering to 9,999,999	12 00

Each machine in wood box, with bottle of ink.



In ordering state style of figures required. Paragon Machines with Gothic figures can be supplied at same prices.

R 1234567890

S 1234567890

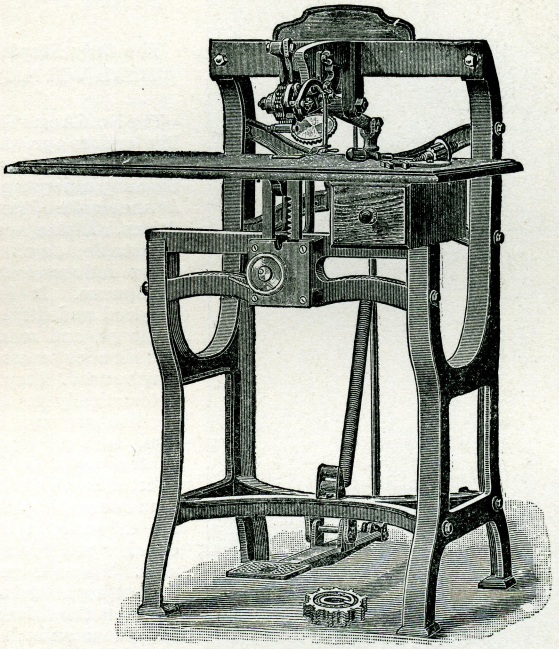
T 1234567890

W 1234567890

For Wetter Numbering Machines, see page 80.

MONITOR PAGING AND NUMBERING MACHINE.

For Treadle or Steam Power.



A reliable, well-constructed machine, with steel numbering heads, which by changing a single hand screw will number consecutively or alternately from 2 to 4 to 6, and so on, or from 1 to 3 to 5, and so on, or by the use of a repeating wheel fastened by a single hand screw will repeat a number any desired number of times. The table is adjustable up and down. The foot-power machines are made with journal boxes, so that power fixtures may be added at any time.

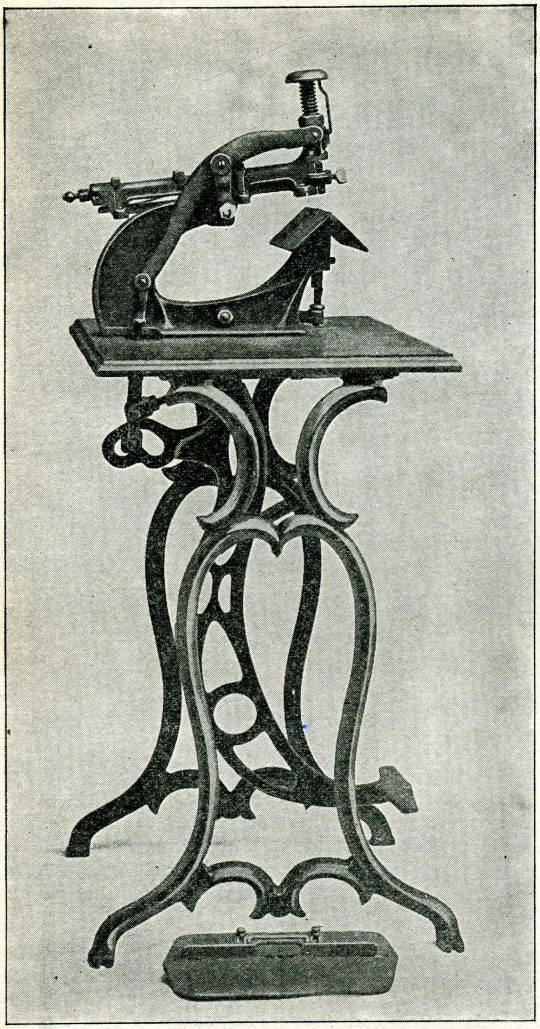
	For Power and Treadle.	For Treadle.
With one four-roll steel figure-head	$225 00	$175 00
With one six-roll steel figure-head	235 00	185 00
With one four-roll and one six-roll steel figure-head	285 00	235 00

Prices for machines for power include countershaft and hangers. If these are not required, the prices of power machines will be $30 additional to prices of treadle machines.

STEEL PAGING AND NUMBERING FIGURE-HEADS.

Four-roll, to number 10,000	$50 00
Five-roll, to number 100,000	60 00
Six-roll, to number 1,000,000	70 00
Extra repeater	3 00

Prices of numbering heads include one repeater. Styles of figures sent on application.



Acme Staple Binder No. 6. For treadle, with flat and saddle tables.

Price, $40.00

No. 6 ACME TREADLE STAPLE BINDER.

The Only Staple Binder Which Will Not Clog.

The No. 6 Acme Wire Staple Binder does a greater range of work, and does better work, than any other staple binder. At one stroke of the treadle it drives, clinches and releases the staple, each operation being independent, though continuous. It holds two hundred and fifty staples at a charge, and round or flat and fine or coarse staples may be used. Staples are fed automatically to driver by positive pressure on both legs, and clogging is prevented by a device which effectually prevents more than one staple getting under the driver at a time. The clinch is perfect on any thickness. There is ample room for putting in and taking out work, as the driver arm lifts more than an inch above the table after each clinch. There is a long space under the arm for calendar work. The treadle has a positive movement. Every machine is furnished with a strong iron stand. Will bind to a thickness of ¼ inch through any kind of paper, and is furnished with both flat and saddle-back tables, with gauges on the flat bed. For hard or coated papers, when the work is heavy, flat wire staples are used.

PRICES OF ACME TREADLE STAPLE BINDERS.

No. 6 Acme Wire Staple Binder, capacity ¼-inch and under, on all kinds of paper, for round or flat wire, with table and treadle complete $40 00

No. 4 Acme Wire Staple Binder, capacity ¼-inch and under, on ordinary printing paper, for round fine wire only, with table and treadle complete 27 00

For Prices of Staples, see next page.

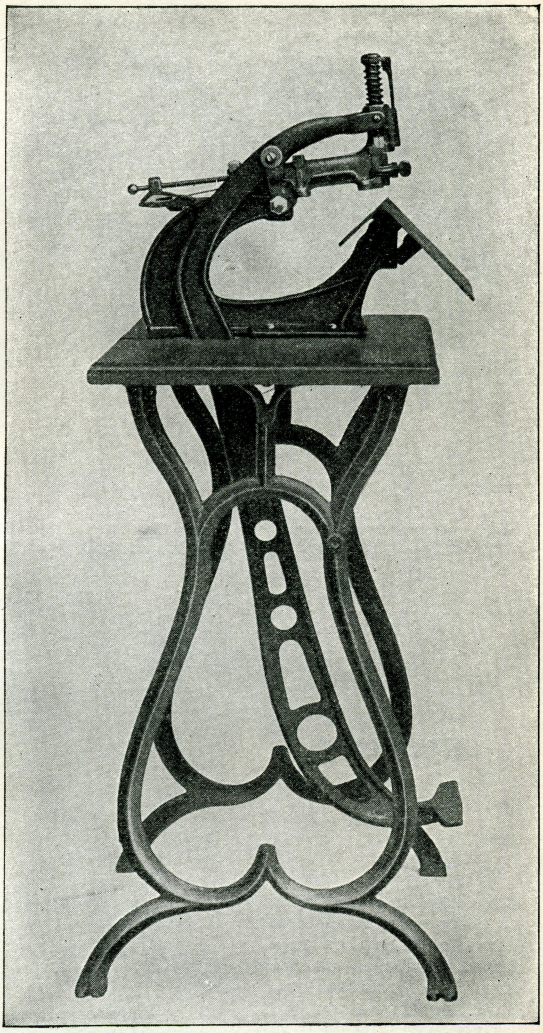
No. 4 ACME TREADLE STAPLE BINDERS.

The Only Staple Binders Which Will Not Clog.

The No. 4 Acme is very similar in appearance to the No. 6, and will stitch the same thickness on ordinary paper, but it uses only round fine staples, which cannot be used successfully on coated or filled paper unless such work is light. This machine is specially adapted for stapling the average run of pamphlets, calendars, sample work, etc. It does both flat and saddle-back work. It has the device for prevention of clogging, and the clinching is done by the pressure of the blade while driving the staple. Holds two hundred and fifty staples at a charge.

UTILITY OF THESE MACHINES.

The addition of one of the Acme Treadle Staple Binders to the plant of small or moderate-sized printing offices, in towns in which there are no binderies, will make it easy and profitable to bind pamphlets, receipt books and other work. In towns where there are binderies they enable printers to save time, save handling of stock, and to avoid losses and damage in transit. All the staple binding machines in use were invented by one man, and the Acmes are the latest and most efficient. Like all such machines there is a certain nack to be acquired in order to handle them to the best advantage. Operators should read directions (which accompany the machines) very carefully.



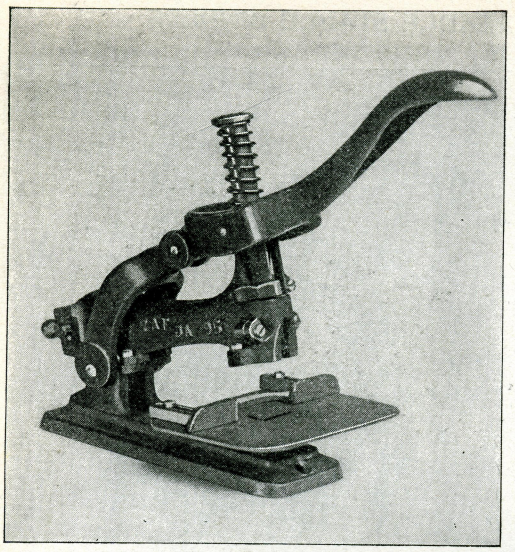
Acme Staple Binder No. 4.

Price, $27.00

STAPLES FOR ACME BINDERS.

For Acme Binder No. 6: No. 21, ¼-inch round; No. 22, 5/16-inch round; No. 23, ¼-inch flat; No. 24, 5/16-inch flat—per box of 5000 of one size $1 25

For No. 4: No. 21, ¼-inch round, and No. 22, 5/16-inch round—per box of 5000 of one size 1 25



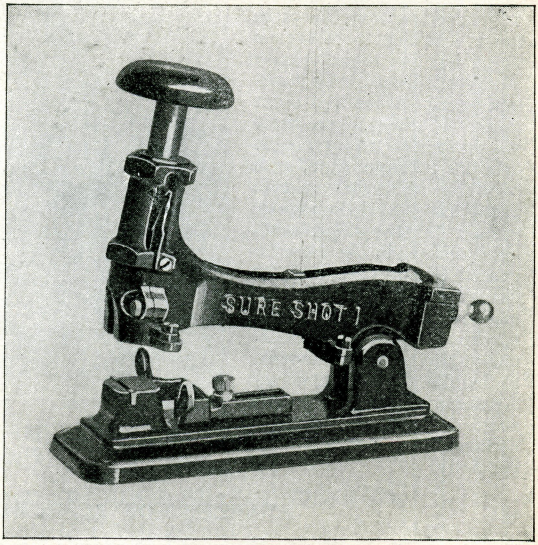
ACME STAPLE BINDER
No. 1.

The most satisfactory low-priced staple binder made. *It will not clog*, as only one staple can get under the driver at one time. The frame swings on a pivot, and lifts high enough to give ample room for putting in and taking out the work—an advantage not obtainable on other low-priced staple binders. It holds one hundred staples at a charge. Binds ¼-inch and under. The staple is fed automatically under the driver, which descends and drives it through the paper, the pressure clinching the staple tight on the under side. Uses flat staples only.

Price $6 00
Staples: No. 23A, ¼-inch, flat; No. 24A, 5/16-inch, flat—per box of 5000 of one size . . 1 25

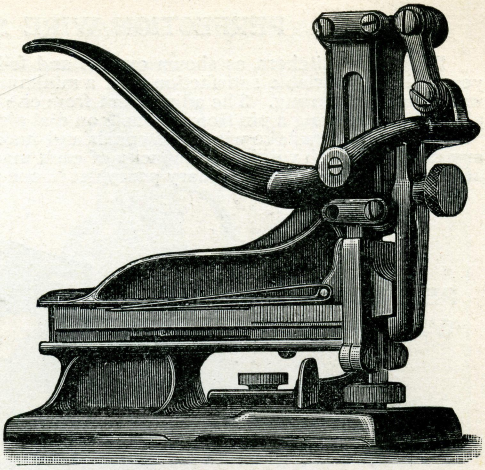
SURE SHOT STAPLE BINDER
No. 1.

The most reliable binder for office use. Holds one hundred staples at a charge. Works on the same principle as the Acme No. 1, described above, but has no lever. Binds from two to fifty sheets.



Price $3 00
Staples: No. 23A, ¼-inch; No. 24A, 5/16-inch—per box of 5000 of one size 1 25

BREECH LOADER STAPLE BINDER.



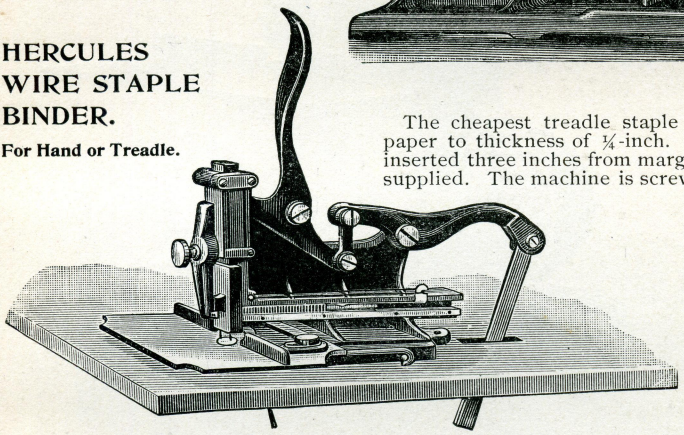
This is a handy machine for office use. Can be put to a great variety of uses. Binds paper or pamphlets from two to fifty sheets with wire staples; holds one hundred staples at a charge; feeds them out automatically; inserts them into the work, and clinches them on the under side.

Price $3 00
Staples: C, 3/16-inch; D, 1/4-inch; E, 5/16-inch—per box of 1000 . . . . . 0 50

Only one size of staples in a box.

HERCULES WIRE STAPLE BINDER.

For Hand or Treadle.



The cheapest treadle staple binder. Binds paper to thickness of 1/4-inch. Staples can be inserted three inches from margin. No table is supplied. The machine is screwed on a bench, and the treadle is screwed to the floor, connecting by means of a rod and spring.

Sold also for hand power only. Only one size of staples in a box.

Price, with treadle $10 00
Staples: F, 3/16-in.; G, 1/4-in.; H, 5/16-in.; K, 3/8-in.—per box of 5000 of one size . . 1 25

OTHER STAPLE BINDERS.

No. 9 Staple Binder binds paper 1/4-inch thick, complete with table and treadle . $36 00
No. 8 Saddle Back Staple Binder takes 3/16-inch staples only; designed for saddle-back work, but will take flat work by adding flat table; with saddle back only, $30 00; with flat and saddle-back tables 31 50
Lightning Staple Binder No. 1 staples through 1/4-inch paper; No. 2 staples through 7/16-inch paper; each complete with treadle 24 00

WIRE STAPLES.

The prices for staples for the wire staple binders illustrated on this and preceding pages are given under the description of each binder. The following are the prices of staples for the binders not illustrated:

For No. 9 Staple Binder: Staples No. 1½, 3/16-inch long; No. 2, 1/4-inch long; No. 3, 5/16-inch long—per box of 5000 of one size $1 25
For No. 8 Saddle Back Staple Binder: Staples No. 1, 3/16-inch long—per box of 5000 1 25
For Lightning Staple Binder No. 1: Staples No. 7, 3/16-inch long; No. 8, 1/4-inch long; No. 9, 5/16-inch long—per box of 5000 of one size 1 25
For Lightning Staple Binder No. 2: Staples No. 10, 3/8-inch long; No. 11, 7/16-inch long; No. 12, 1/2-inch long—per box of 5000 of one size 1 25

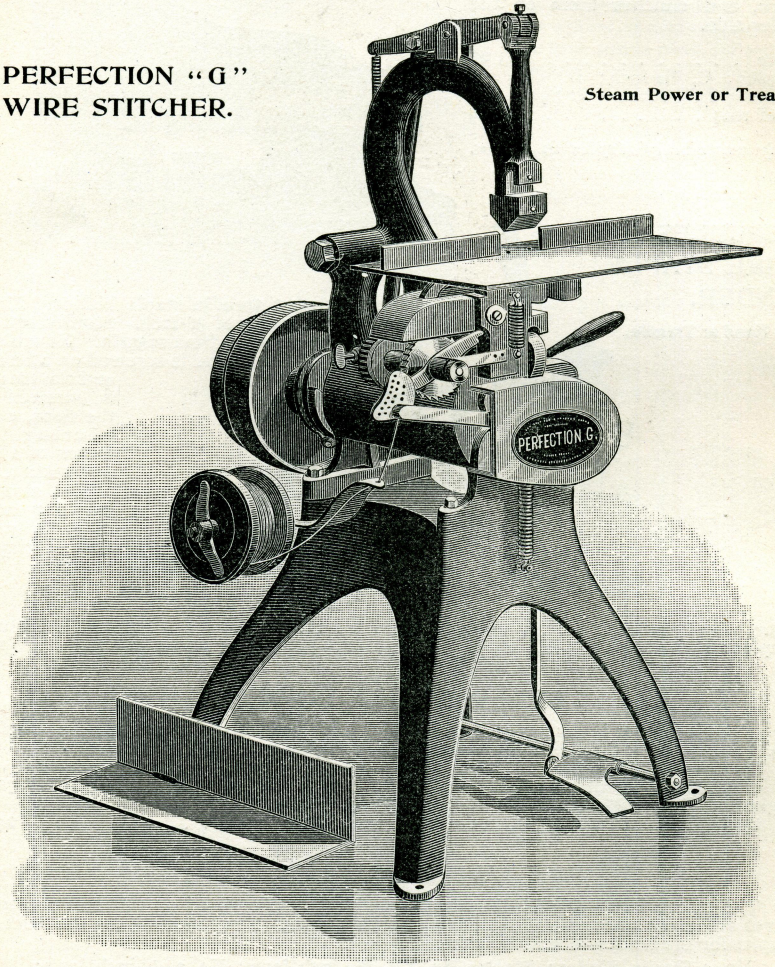
PERFECTION WIRE STITCHERS.

Perfection Stitchers, as shown on this and following pages, have for a number of years given invariable satisfaction with a minimum of trouble. They are exceedingly well made and strong. The adjustment from one length of staple to another is accomplished by changing a pin from one hole on dial plate to another.

These stitchers take wire from spools and make staples from round or flat wire of any desired length within the capacity of each machine. There are over 10,000 staples of the length used on an ordinary pamphlet in one pound of No. 25 wire.

PERFECTION "G" WIRE STITCHER.

Steam Power or Treadle.



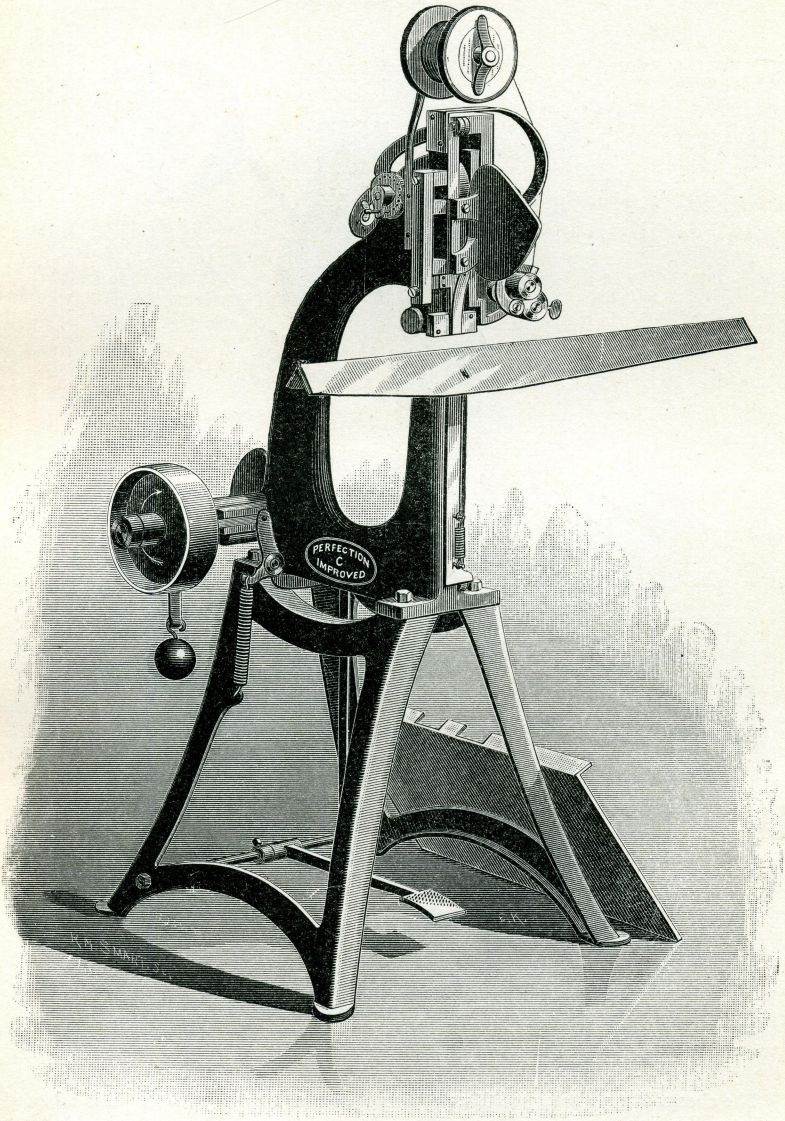
Capacity, two sheets to almost ⅜-inch. Large trough and flat table. Uses 20 to 28 gauge wire.

Perfection "G," for steam or treadle power **$250 00**

For Prices of Wire, see Price List of Wire.

PERFECTION "C" WIRE STITCHER.

For Steam Power Only.



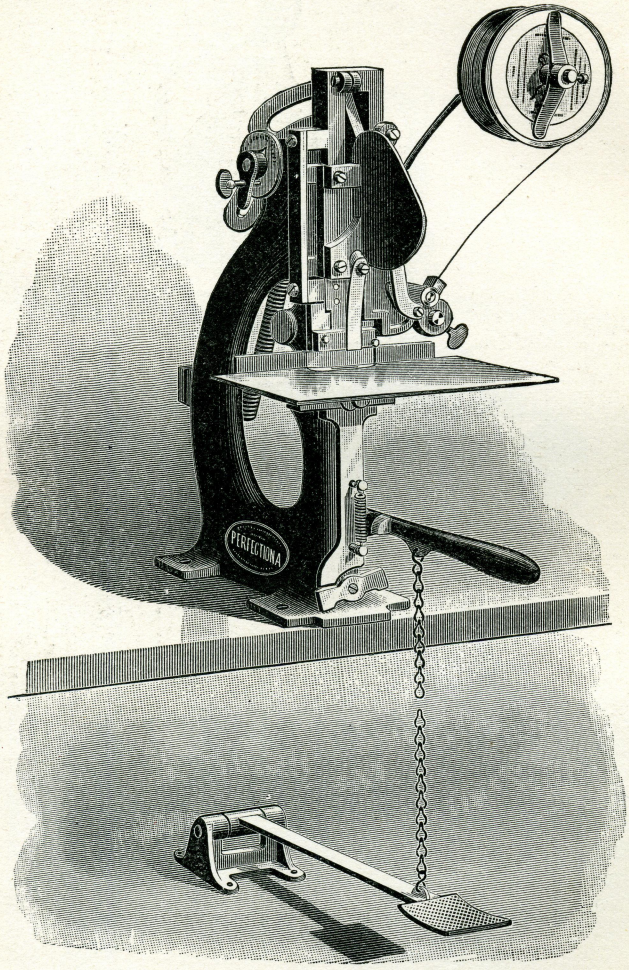
Specially adapted for pamphlet binding, stitching calendars, and all work up to one-fifth inch. Extra long saddle and flat table. Takes 23 to 30 gauge wire.

Perfection "C" Wire Stitcher, for steam power only **$150 00**

For Prices of Wire, see Price List of Wire.

PERFECTION "A" WIRE STITCHER.

Hand or Foot Power.



The cheapest satisfactory stitcher of this class now on the market. It is adapted for work varying from two sheets to one-fifth inch in thickness. May be used with flat table or saddle, with wire of from 23 to 30 gauge. The saddle is extra long.

Perfection "A," for hand or foot power $90 00

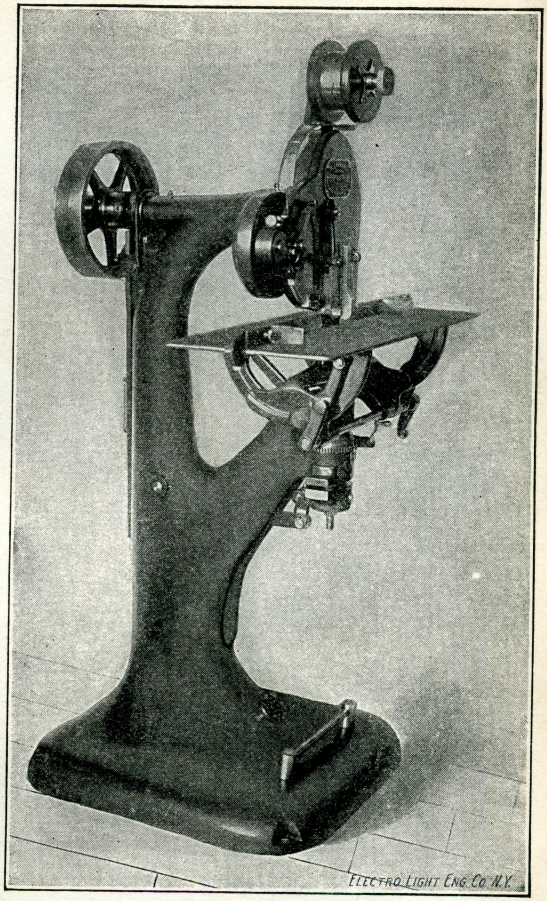
For Prices of Wire, see Price List of Wire.

No. 7 NEW PERFECTION WIRE STITCHER.

This machine has all modern improvements. It sets automatically for all thicknesses of work. The patent table is changeable from flat to saddle, or vice-versa, without removal. There is an extra length of space between clinchers and frame to accommodate large calendars and extra large publications. Constructed expressly to stitch heavy work with light wire, without change of parts, although heavy wire can be used if desired. Has the roller-feed device in its latest improved form, and patent supporting and clinching devices which are unexcelled.

Will stitch from one sheet to ¾-inch, and will run wire as fine as No. 25.

Price, complete . . $300 00



PRICE LIST OF WIRE.

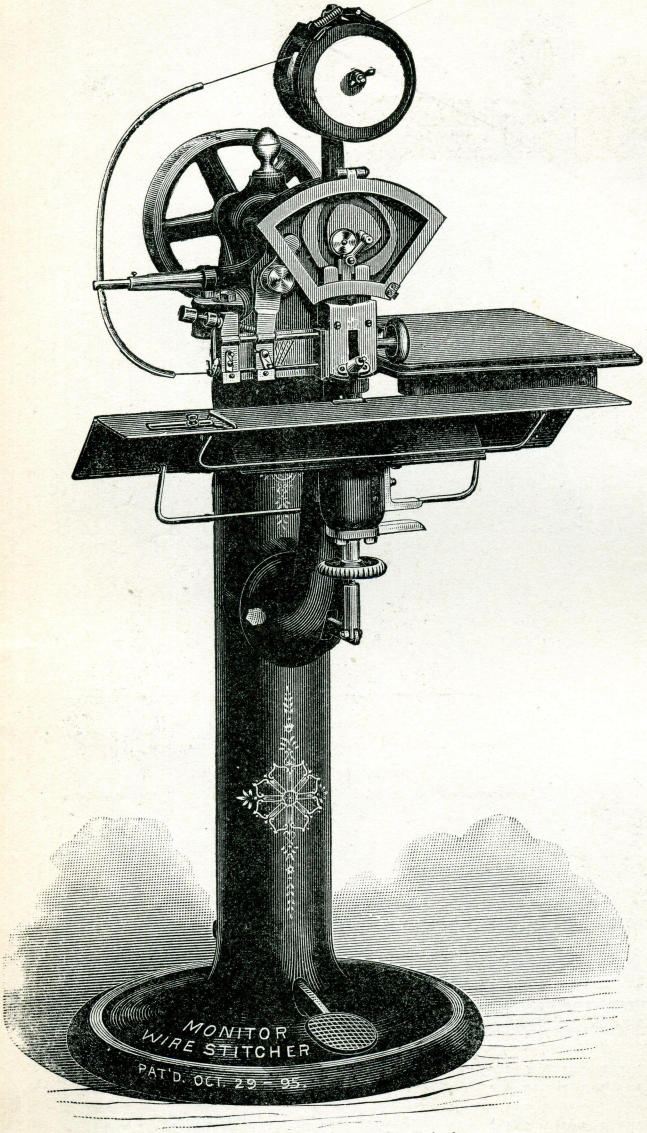
SUBJECT TO CHANGE WITHOUT NOTICE. DISCOUNT ON QUANTITIES.

The success of every wire stitching machine depends largely on the quality of the wire used. This wire is the best procurable. A spool holds five pounds of wire. No. 25 is sold per spool at twenty-five cents per pound. Wires Nos. 10 *s*, 30 *s* and 60 *s*, are for Thompson machines only.

Gauges of Wire.		100-Pound Lots.	500-Pound Lots.	1000-Pound Lots.
Round:	Nos. 18 and 19 . . . . . per lb.	$0 10	$0 09	$0 08½
	Nos. 20, 21, 22 . . . . . per lb.	0 11	0 10	0 09
	Nos. 23, 24, 25, or 30 *s*. . . . . per lb.	0 12½	0 11	0 10
	Nos. 26, 27, 28 . . . . . per lb.	0 15	0 14	0 12½
	No. 30 . . . . . per lb.	0 18	0 17	0 16
Flat:	Nos. 19×21, 19×21½, or 10 *s*. . . . . per lb.	0 16	0 15	. . .
	Nos. 20×23 and 20×25 . . . . . per lb.	0 17	0 16	. . .
	Nos. 21×25 or 60 *s*. . . . . per lb.	0 18	0 17	. . .
	Nos. 24×29 . . . . . per lb.	0 19	0 18	. . .

Spools are ten cents extra each, returnable less transportation charges. A case contains 100 pounds (20 spools).

MONITOR AUTOMATIC WIRE STITCHER.



Style of No. 1 Monitor Wire Stitcher.

These stitchers do a range of work from two sheets to work 1⅜-inch thick.

ADJUSTMENTS.

There are only two adjustments: 1. The quantity of paper to be stitched is put in the thickness gauge, and the hand wheel at left of gauge is turned until the jaws clamp the paper tight. 2. Turn the hand wheel at right of machine to obtain proper length of staple, then turn the thumb-screw on the feed lever at the left to the same point on the scale.

WIRE STRAIGHTENER.

A patent wire straightener is attached to the combination slide, and by moving the lever in the direction the wire is desired to go it will respond invariably.

ACCESSIBILITY.

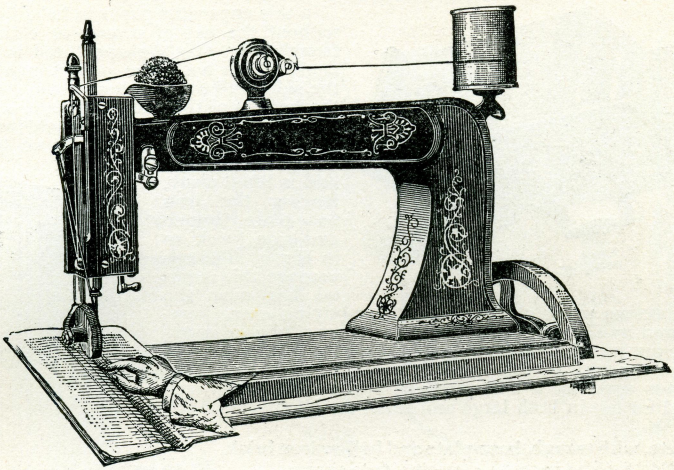
All the working parts are in plain view under a glass-faced front. By lifting the glass front you reach the parts. There is a swinging table which is a great convenience for some classes of work, and can be removed instantly if desired.

WIRE USED.

No. O uses flat wire, 19×21½, only; No. 3 uses Nos. 25 and 27 round wire, unless specially ordered for flat wire, when it takes Nos. 20×25 flat and 25 round; all other Monitor Stitchers use No. 25 round and No. 20×25 flat wires.

No. O, complete, capacity ¼ to 1⅜ inches	$550 00
No. 1, complete, capacity 2 sheets to ¾-inch	400 00
No. 1½, complete, capacity 2 sheets to ½-inch	300 00
No. 2, complete, capacity 2 sheets to ⅜-inch	200 00
No. 3, complete, capacity 2 sheets to ¼-inch	150 00

TENNIS BOOK-SEWING MACHINE.



Designed for stitching blank books of every kind, and pamphlets and books not exceeding a thickness of three-eighths inch. Will sew through back or centre, making stitches one-inch, half-inch, or quarter-inch long. Books sewed by this method are durable, and open perfectly. Sample work sent to us will be stitched and returned.

This machine is in use in almost every prominent blank-book factory in the United States.

In ordering steam power it is necessary to state diameter of shaft from which belt will be run to machine.

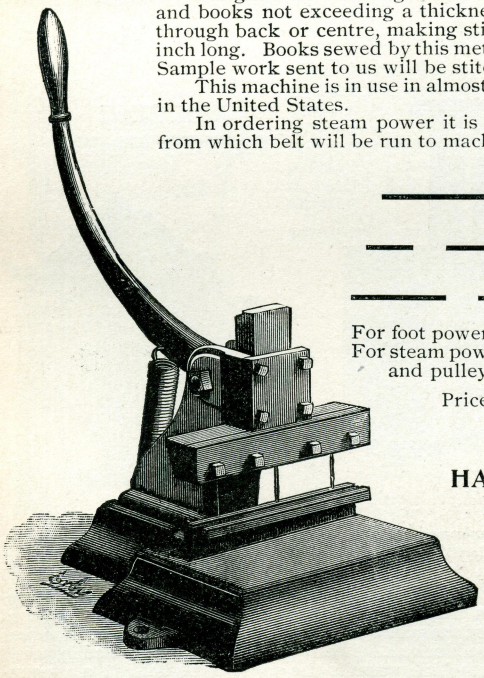
Shows Long Stitch.

Shows Short Stitch.

Shows Medium Stitch.

For foot power, with stand and table $60 00
For steam power, with variable speed, stand and pulleys, complete 70 00

Prices are strictly net f. o. b. factory.



HAND STABBING MACHINE.

For stabbing pamphlets, receipt books, etc., by hand or foot power. Built of iron, and made to fasten to a bench or table. The position of the needles can be easily and quickly changed, as they move laterally in a slot, and are held by set screws.

For hand power $25 00
For foot power 50 00
Needles, per dozen 3 00

UNION TABLETING APPARATUS.

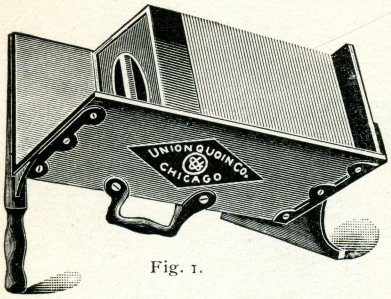


Fig. 1.

In this apparatus paper is held for padding without the use of screws or clamps. The trough (Fig. 1) is V-shaped, and is held at an angle which holds the paper snugly against the sides and the iron base-plate, which forms the bottom of the trough when it is tilted up. The paper in the trough is held under pressure by a heavy iron weight or brick; the trough is tilted up, and is lifted away, leaving the iron base-plate, paper and iron brick as in Fig. 2. The advantage this method has over the tablet presses using clamps is that, by buying extra base-plates and iron bricks, an unlimited number of piles of paper may be put up without waiting for the drying of the cement; thus the capacity of this apparatus surpasses that of other apparatus used for a like purpose, and is equally as well adapted for use in both large and small establishments.

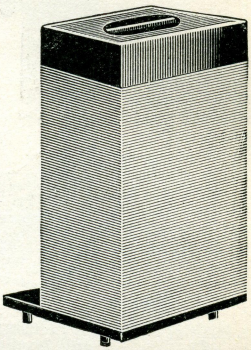
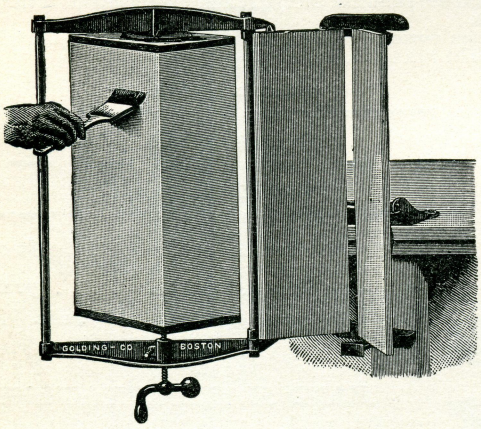


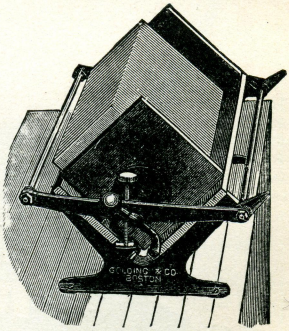
Fig. 2.

Complete, with trough, base-plate and hollow iron brick, size 8½×8½×18 inches; capacity, 6000 sheets $7 50
Extra iron bricks, hollow, each 2 00
Extra iron bricks, solid, each 3 00
Extra iron base-plates, each 0 75

GOLDING TABLET PRESS.



No. 2 Golding Tablet Press filled with paper and cement being applied, in a perpendicular position.



No. 1 Tablet Press on bench, filled with paper.

The paper is put in the V-shaped trough between boards, and, after sufficient pressure has been applied by the screw in the end of a hinged clamping frame, the latter is swung over, exposing the underside of the paper for cementing. Pads from 2×2 inches up to full capacity of the press may be blocked. The No. 2 press has a hinged bracket by which it is screwed to a bench, and which permits the paper to be held in a perpendicular position after clamping.

No. 1, will hold 2000 sheets, any size up to 6×12 inches $6 00
No. 2, will hold 5000 sheets, any size up to 8×16 inches 12 00

BINGHAM & RUNGE LIQUID PADDING GLUE.

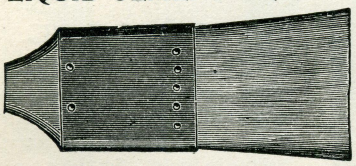
Made in Red, Purple, Green and Colorless.

The Bingham & Runge Padding Glue was the first put on the market, and it has always maintained its reputation. The best materials are used in its composition, and on this account it does not get rancid. A quart will cement about 100,000 sheets of note size.

Half-Pints	$0 35	Quarts . . .	$1 00
Pints	0 60	Gallons . . .	3 75



LIQUID CEMENT BRUSH.



Made of French bristles, flat and double thick.

1 inch	$0 30	2 inch	$0 55
1½ inch	0 40	3½ inch	0 75

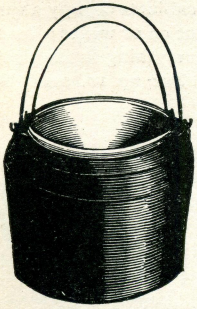


BINGHAM & RUNGE HERCULES ELASTIC PADDING GLUE.

An elastic, tough, quick-drying preparation, which is applied hot after melting in an ordinary glue pot, and, while entailing more labor, gives better results than the liquid glue. Does not adhere to the edges of sheets as they are removed from the pad, thus preventing tearing of pages in invoice and letter copying books. The color is bright red. Put up in pails, with directions for use on each.

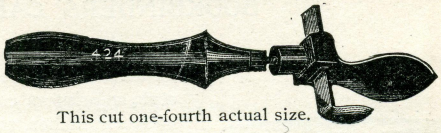
5 pounds in pails . .	$1 50	10 pounds in pails . .	$3 00

GLUE POT.



1 quart, each	$0 90
2 quarts, each	1 20

PAPER COUNTER.

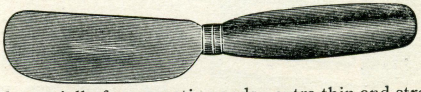


This cut one-fourth actual size.

To make ready for use in pad work, count out number of sheets wanted by hand, on top of which place the plate, then draw the stab up firmly against the paper. The screw in handle holds the stab in place. To operate, place plate on top of lot to be counted and push stab into paper, bearing down at same time.

Price $0 75

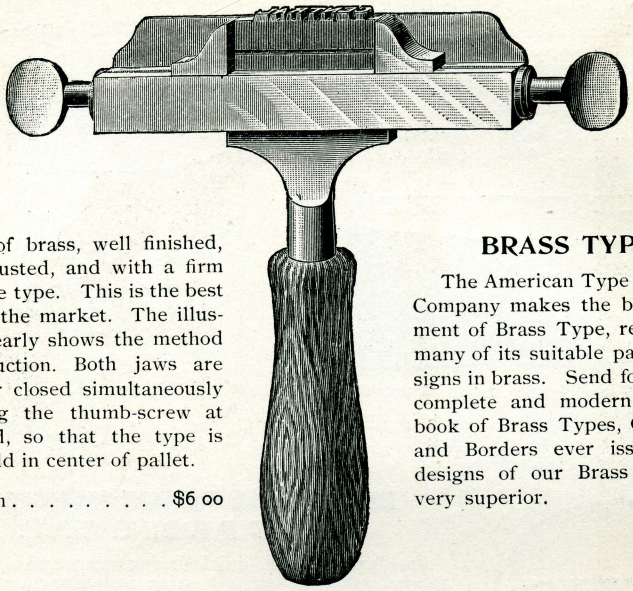
TABLET KNIFE.



Made specially for separating pads; extra thin and strong.

Price $0 50

BOOKBINDERS' LETTERING PALLET.



Made of brass, well finished, easily adjusted, and with a firm grip on the type. This is the best Pallet on the market. The illustration clearly shows the method of construction. Both jaws are opened or closed simultaneously by turning the thumb-screw at either end, so that the type is always held in center of pallet.

Price, each $6 00

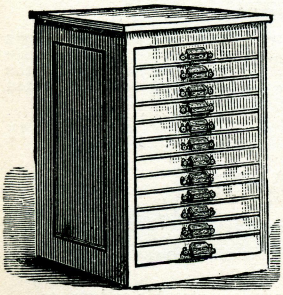
BRASS TYPE.

The American Type Founders Company makes the best assortment of Brass Type, reproducing many of its suitable patented designs in brass. Send for the most complete and modern specimen book of Brass Types, Ornaments and Borders ever issued. The designs of our Brass Type are very superior.

METAL TYPE FOR BOOKBINDERS.

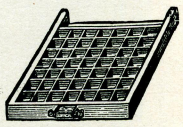
The Copper Alloy Type made by the American Type Founders' Company is of extra hardness, and better suited for bookbinding purposes than type made of ordinary type metal. All the type shown in the specimen books of the American Type Founders' Company is made of its famous Copper Alloy Metal.

BOOKBINDERS' CABINETS.



Made of hard wood, cherry finish, with bronzed pulls on each case. The cases are made in exactly the same style as printers' cases. These cabinets occupy a space of 20×20 inches, and may be put on or under a bench. "A place for everything and everything in its place" is a rule bookbinders should live up to, and these cabinets enable them to do so.

Cabinets with 6 cases . $ 8 00
Cabinets with 10 cases . 12 00
Cabinets with 15 cases . 16 50

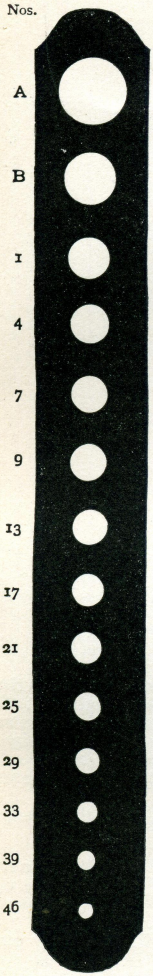


Case used in Bookbinders' Cabinet.

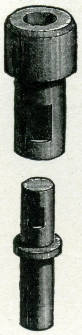
BOOKBINDERS' CASE.

Half Cap Case, 16×16¼ inches, without bronze pull, each $0 60

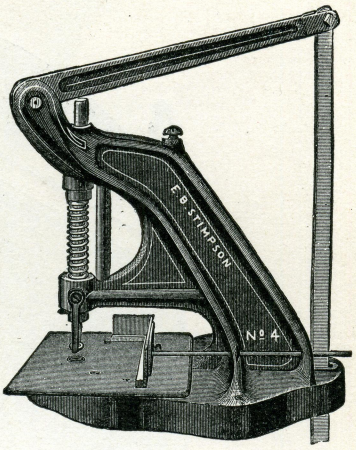
No. 4 PUNCHING AND HAND EYELETTING MACHINE.



Can be used for Eyeletting by Hand by Substituting Punches for Eyelet Sets.



Punch and Die.

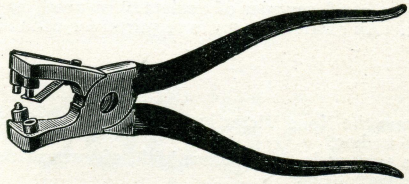


This is the proper machine to use with eyeletting machines shown on following pages. Except on cloth, good work cannot be done unless the hole is punched out *clean* before eyeletting. The No. 4 Machine will do work up to ⅜-inch diameter (No. 3 Calendar Eyelet) and has a reach of 6½ inches back of plunger, and an adjustable gauge for all kinds of work.

By removing the punch and die and substituting an eyelet set, this machine may be used for eyeletting by hand feed, and will do perfect work.

No. 4 Punching Machine, with Treadle, and one Punch and Die $20 00
Extra Punch and Die, per pair 2 50
Eyelet Set, per pair 2 50

COMBINED EYELET PUNCH AND SET.



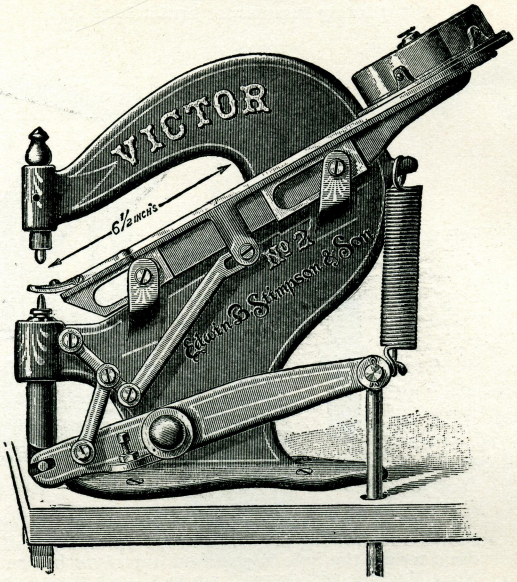
An indispensable tool in the printing office. Punches the hole and sets the eyelet. Takes only one size of eyelet (No. 2 Skirt).

Price, complete $2 25
Eyelets, per box of 1000 . . . . . 0 50

Sizes of punches and dies correspond with eyelets made. Order by number.

SELF-FEED FOOT POWER EYELETTING MACHINES.

With Removable Roadways.



THE VICTOR.

Has a reach from eyelet set to back of arm of 6½ inches, and will set an eyelet in the centre of a square 13×13 inches. Will set eyelets in paper, metal, leather, cloth, etc.

The eyelet roadway or feed channel is made to feed but one size eyelet; if other size eyelets are used on machine, an extra roadway is necessary. When ordering machine, specify by name the eyelet for which machine is to be fitted. If extra roadways are wanted, be particular to state the size of eyelet to be used. It takes only a few moments to change one roadway for another on machine.

The Victor is easy to operate, weighs 30 pounds, is 14 inches high, 15 inches deep, and is a perfect working machine and very durable.

No. 2. The Victor, with one roadway	$40 00
Extra roadways, each	14 00
Power attachments, extra	40 00

In ordering, send samples of eyelets to be used, as the roadway will feed only one size of eyelet. An extra roadway is required for each size of eyelet.

THE ROYAL.

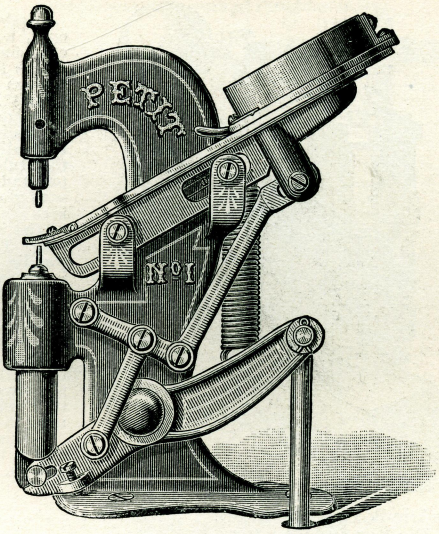
Differs from the No. 2 Victor in the reach only, which is 9 inches, setting eyelets in a square 18×18 inches.

It weighs 45 pounds, is 15 inches high, 16 inches deep, and is a perfect working and very durable machine.

No. 3. The Royal, with one roadway	$45 00
Extra roadways, each	16 00
Power attachments, extra	40 00

In ordering, send sample of eyelet to be used, as the roadway will feed only one size of eyelet. An extra roadway is required for each size of eyelet.

THE PETIT FOOT-POWER EYELETTING MACHINE.



This is not recommended for the general work of printing offices and binderies, but is perfectly adapted to special work requiring eyelets not exceeding $\frac{3}{32}$-inch inside, known as No. 1 "C. Z." It will take the smallest eyelet, $\frac{1}{16}$-inch inside, known as "D. E."

It is a perfect feeding machine, 12 inches high, 9 inches deep, weighs only 17 pounds, and is very easy to operate.

No. 1. The Petit, with one Roadway $30 00
Extra Roadways, each 12 00

EYELETS.

The largest eyelet used is "No. 3 Calendar," smallest is "D. E.," $\frac{1}{16}$-inch inside. The eyelets in most common use are "No. 3 Calendar" and "No. 2 Skirt" (as illustrated). The prices of eyelets in large quantities vary from time to time, and special quotations will be given when required.

Smallest quantity sold 10,000 in one box, except No. 3 Calendar, which are put up in boxes of 5000. They are also packed in bulk cases containing 250,000 of any size.

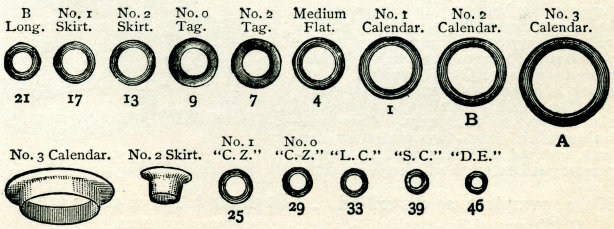
No. 3 Calendar Eyelets per box of 5000 . . . . . $3 75
No. 2 Skirt Eyelets, per box of 10,000 . . . . . 4 50

Special quotations for larger quantities.

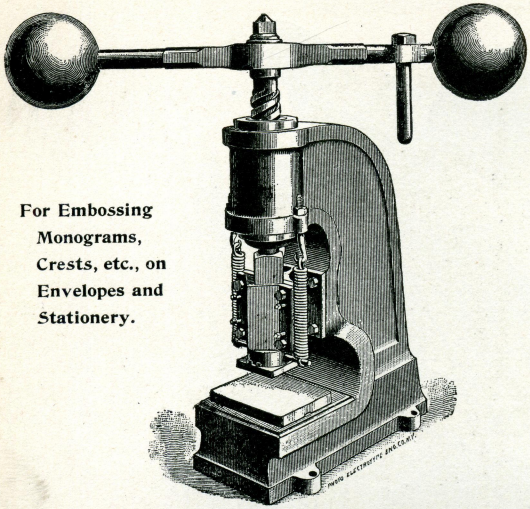
Sizes of Eyelets.

The cuts show exact sizes of each eyelet when set in the material eyeletted.

The heavy figures under cuts indicate the size of punch and die to be used with eyelets.



HAND EMBOSSING PRESS.



For Embossing Monograms, Crests, etc., on Envelopes and Stationery.

Embossed work on envelopes, note paper, menus, and other fine stationery, is the most stylish form of printing. The process is simple. Dies cost from $1.00 to $5.00, according to elaboration of design. Dies are made of steel. The counter is usually made of bristol board, thin rubber cloth and thin paper, and is fastened to bed-plate with glue or gum arabic. The inks are made from dry colors, mixed with white damar varnish. The ink is smeared over the die, and the face of the die is cleaned of ink, and polished by rubbing on paper. Bronzed effects are obtained by embossing with varnish instead of ink, and dusting on the bronze; superfluous bronze is taken off by dusting with a brush. Any printer can do this work, and thus add a lucrative department to the business.

This press is the best made, and is used by all the leading houses.

Large Press, with one Die-Box and Counter	$75 00
Small Press, with one Die-Box and Counter	60 00
Extra Die-Boxes, each	4 00
Extra Counters, each	3 00

Weight of large press is 335 lbs.; of small press, 190 lbs. Boxing, $1.50, net.

Those who have use for one press are advised to purchase the large size, as the other will only take small dies. Largest die taken on large press, 5×4 inches; on small press, 4×3 inches.

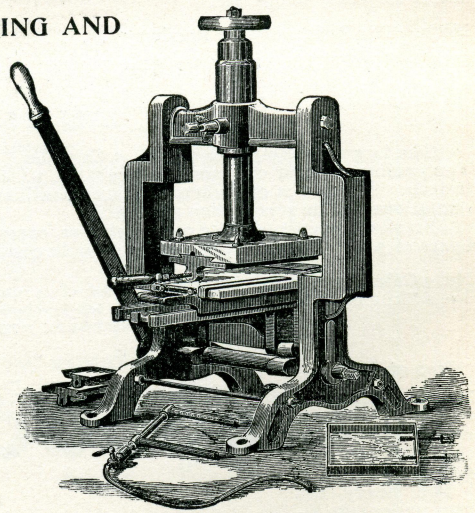
FAST GOLD LEAF LETTERING AND STAMPING PRESSES.

Made in two styles. No. 1, illustrated here, is the best press of its kind for small stamping or embossing. Size of platen, 12×12 inches; size of head, 11×11 inches. The wheel at top carries the screw that raises or lowers the head, and the set screw at front binds it firmly. Can be supplied with 19¼ or 26 inches between uprights.

Three stamp-holders, varying sizes; one large chase, one large and one small plate for electros and brass work, one atmospheric gas heater, set of band holders, and assortment of steel fillers for chase, go with each machine.

The No. 2 press, for gas, gasoline or steam, is especially recommended for printing badges. In this press the bed does not slide, and the platen is raised or lowered by screws set in the side frames. Size of head, 12×12 inches; size of platen, 13½×13½ inches. Takes work 14 inches wide and any length.

The head will allow a change of six inches in thickness. One type-holder with chase, two plates for electros, one set of fillers, and an atmospheric gas heater go with each machine.



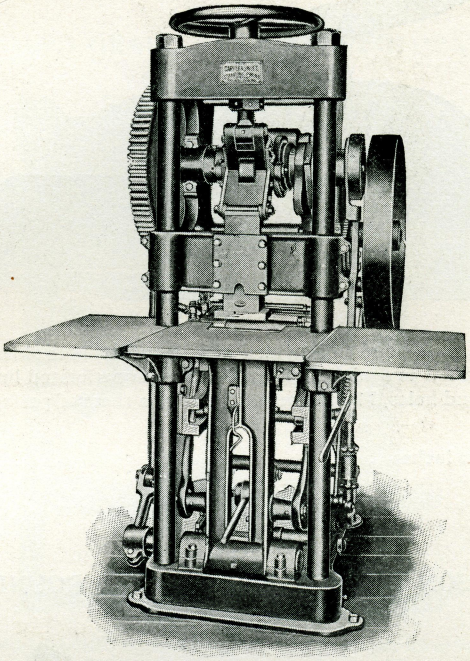
No. 1 Stamping and Embossing Press, for Steam, Gas or Gasoline.

No. 1, complete, as described . . **$150 00** | No. 2, complete, as described . . . **$75 00**

Catalogue of Embossing Dies sent on receipt of 25 cents.

CARVER & SWIFT POWER STAMPING PRESS.

Prints and Embosses at One Impression.



The die is held in a double-jawed chuck on bed of press ; immediately over the bed in its vertical position is a counter-block, driven up and down by connection with a powerful toggle. The counter is made in the same way as on the hand-stamping press, described on the next page. The ink fountain is at rear of press, having a continuously revolving roller which serves to keep the ink "alive." An oscillating arm carries the distributer, which supplies ink to the die on its backward and forward motion. As the die travels forward, it passes under the wiping plate, around which a web of manilla wiping paper is carried. The contact with the wiping paper removes all ink from the surface of the die, leaving it only in the engraved parts. The bed travels to a vertical position, where it is automatically locked and held for the impression. The sheets are fed to gauge pins as on a job press, and thus at one feeding the most beautiful results are produced.

Perfect register is insured for burnishing bronzed work by the fact that the machine is provided with an automatic lock, which holds the bed in position while the impression is made.

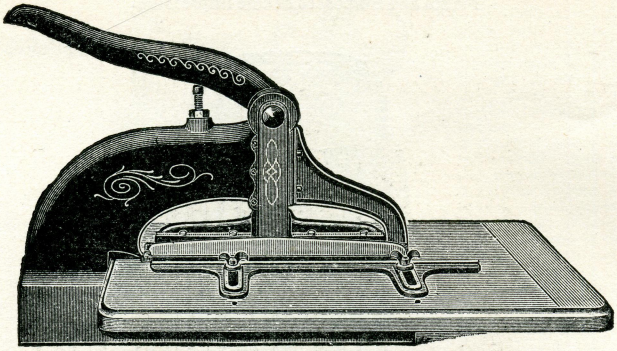
Any properly engraved die from one line, or monogram, up to commercial dies measuring three and one-half inches by eight inches, can be successfully stamped.

The speed is a matter most generally determined by the operator, and while a general average would be about nine thousand impressions per day, the machine has a record of seventeen thousand in less than eleven hours.

The machine weighs about four thousand pounds and occupies a floor space of three feet nine inches by four feet six inches, exclusive of projecting feed boards.

Stamping press, complete, with countershaft and hangers with friction clutch, wide-face pulley, and three-step cone pulley, three-step cone pulley for main shaft, two large and two small ink fountains, three counterblocks, one set each of plush and composition rollers, f. o. b. factory $1650 00

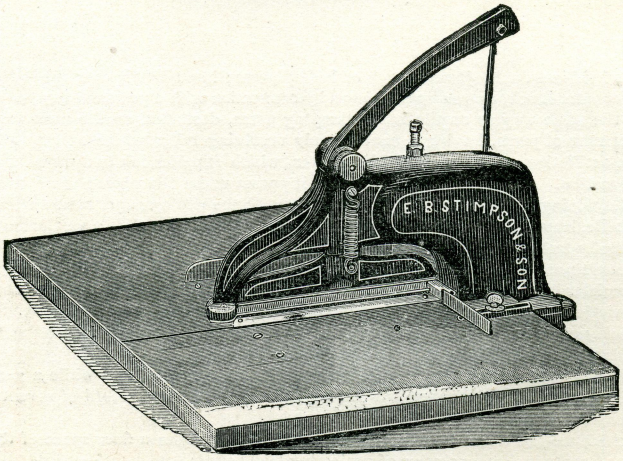
FRANKLIN HAND PERFORATOR.



Perforates ten inches, and is provided with gauges on both sides, so that the sheets may be turned and fed in again, making a continuous perforated line of twenty inches. The pins make round holes, like the perforations on a sheet of postage stamps. Fifteen holes to an inch.

Hand Perforator, 10 inches $25 00

STIMPSON LEVER AND TREADLE ROUND-HOLE PERFORATOR.



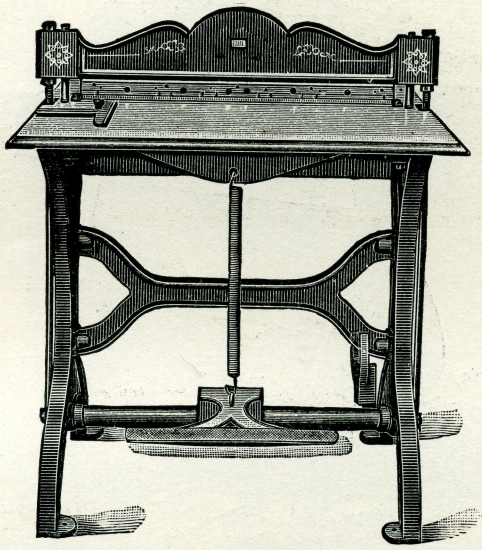
In every respect a perfect and superior machine, in keeping with the reputation of the makers, and well worth the price asked.

Perforates 10 inches with treadle $40 00

TREADLE PERFORATORS.

We list on this page two grades, each of which accomplishes the same work, the difference in prices indicating differences in workmanship and durability.

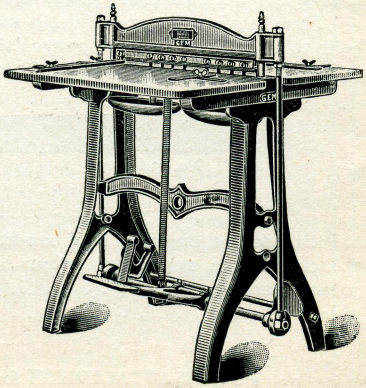
STANDARD GRADE TREADLE PERFORATOR.



Round-hole perforators, with removable pins, with accurate gauges, and the best procurable at the price, meeting the requirements of the average binding and printing office.

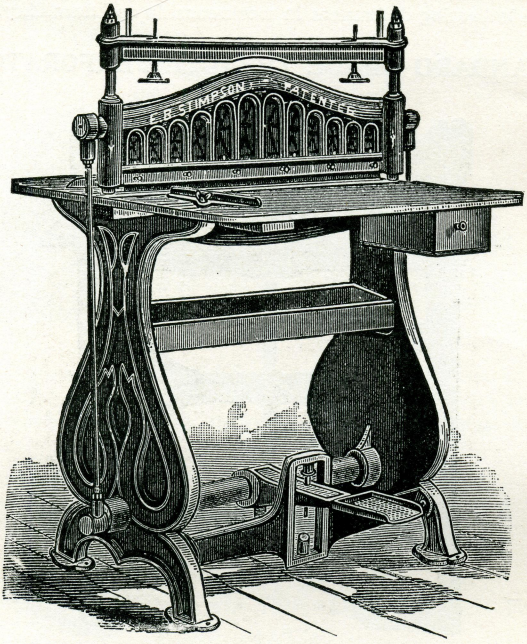
Standard Grade, perforates 20 inches, with treadle	$ 75 00
Standard Grade, perforates 24 inches, with treadle	100 00
Standard Grade, perforates 28 inches, with treadle	125 00
Standard Grade, perforates 24 inches, for power	150 00
Standard Grade, perforates 28 inches, for power	175 00

GEM TREADLE PERFORATOR.



Gem, perforates 15 inches	$40 00
Gem, perforates 20 inches	50 00
Gem, perforates 24 inches	60 00
Gem, perforates 28 inches	70 00

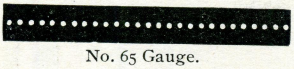
STIMPSON ROUND-HOLE PERFORATING MACHINES.



This illustrates the 25, 30 and 36-inch Stimpson Perforators.

This is conceded to be the best line of perforators made in the world. Nothing has been neglected in the way of good material, good workmanship and accurate adjustments, and consequently they do the best work, and wear longer than any other perforators. For those who keep a perforator in constant use an investment in one of these perforators will prove the most profitable, and will be found to keep up a perfect standard of work for many years. Power may be applied to any size.

These perforators are made to make two sizes of perforations—No. 60 gauge (15 holes to an inch), and No. 65 gauge (18 holes to an inch). The No. 65 gauge is the most satisfactory for checks, bonds, drafts, stubs and labels.



No. 65 Gauge.



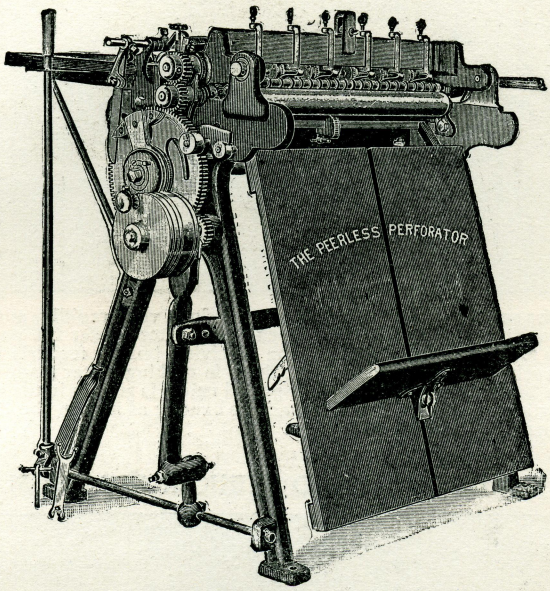
No. 60 Gauge.

	No. 60 Gauge.	No. 65 Gauge.
20-inch machine, on substantial box-frame iron pedestal . . .	$150 00	$160 00
25-inch machine, as per illustration	225 00	240 00
30-inch machine	300 00	325 00
36-inch machine	400 00	435 00

POWER ATTACHMENT for any of these machines, $125 00 extra.

PEERLESS
ROTARY PERFORATOR.

For Power.



A thoroughly-tested, successful rotary power perforator, cutting six or less separate lines of perforations at a time, and provided with adjustable striking cams for skipping the perforations any distance, from the usual lengths of stubs to very short spaces. When the skip is as short as half an inch special fitting must be done, at a small extra expense. Accurate gauges, easily changed, are provided. The sheets deliver themselves after perforation into a lay-box, taking up very little room, and stacking the sheets regularly. Sheets are fed to machine as into a ruling machine.

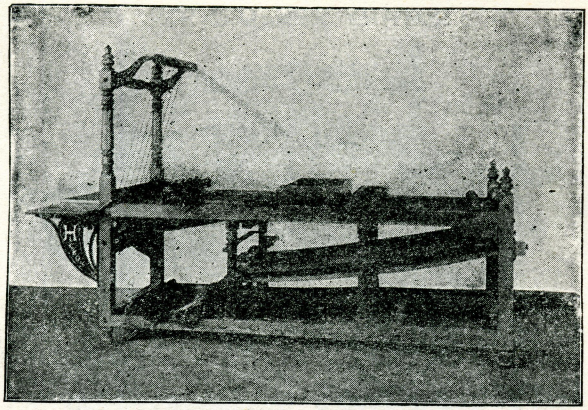
Not the least remarkable feature is the form of the perforations, which are *cut out* of the paper cleanly, without any trace of burr, in oblong holes instead of the usual round holes. The machine will perforate a single sheet of manifold paper (without the usual aid of a thicker sheet) or heaviest manilla paper.

The oblong perforations are the distinctive feature of this machine. There is no displacement or swell of the paper along the perforated lines, and the clean cut of every hole, the absence of all burr, and the ease with which the paper separates through the perforations, commend the machine to all who aim to do the best grade of work.

This perforator is in use in a majority of the first-class manufacturing stationers and printing houses, and is built thoroughly well. All parts are interchangeable.

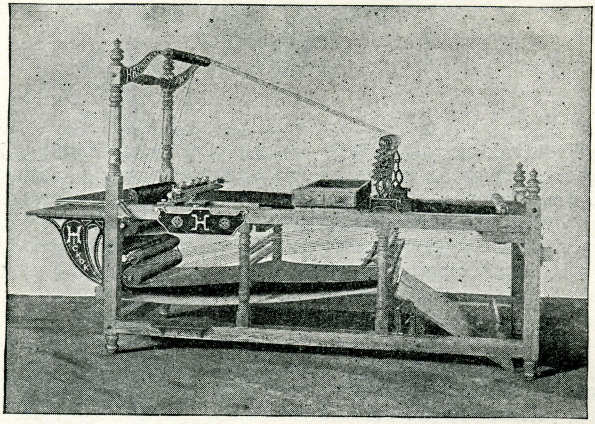
Price, with six pairs of cutters and one scoring cutter and die, f. o. b. Chicago, net $350 00

STYLE 2-B HICKOK HAND STRIKER RULING MACHINE.



Designed for small shops, where ruling is not done very rapidly, and where, therefore, the ink has time to dry (though the carrier is short) after the paper has passed under the pens and before it drops into the receiving box at feeder's feet. So far as material and workmanship are concerned, there is nothing better made than Style 2-B. The difference between it and the higher-priced rulers is simply in the number of parts used. Striking is accomplished on this machine exactly as it is on the Style 1-A ruling machine. Paper drops into receiving box.

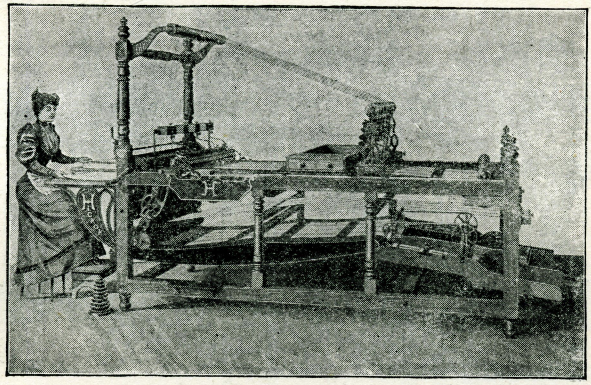
STYLE 1-A HICKOK HAND STRIKER RULING MACHINE.



STYLE 1-A Ruling Machine is for use in shops where there is considerable faint or cross ruling, thus economizing the time of automatic strikers used in the same shop. It may also be used in small-sized binderies, where there is not sufficient work for an automatic striker machine. The operator turns the hand crank with the left hand, thus operating the machine by hand, while with the right hand the pen-beam is tilted up and down, doing hand striking. Power may be applied, and steam attachments are furnished to order at an extra charge. Style 1-A is as perfectly built in every part as the most expensive automatic striker ruling machine. The difference in construction is simply leaving off the striker parts and some other necessary pieces required on an automatic striker machine.

For prices, see next page.

STYLE 1 SINGLE BEAM AUTOMATIC STRIKER RULING MACHINE.



STYLE 1 is used for faint or cross-lining when the striker is not operated, and also for down ruling from cross or head lines when the automatic striker is used for the purpose of leaving unruled head spaces by automatically raising the pens from the paper and allowing them again to descend upon the paper, the pens beginning to rule immediately upon touching the paper at a cross head line, and again being automatically raised from the paper and lowered upon the paper again successively at distances prearranged by the positions of the cams, which are adjusted by the operator, who sets them in the circular-revolving cam-head. This machine is for use on all classes of job ruling.

The illustration shows the combined lay-boy and receiver—a device for receiving the paper (after it is ruled) in the lower portion of the machine. Gears are used in setting the striker—friction devices being avoided because gears are more positive in the correct delivery of both speed and power.

PRICES OF RULING MACHINES.

2-B, with new Monitor standards, patent beam, patent pen rest, two 32-inch and two 26½-inch clamps, arranged to deliver paper in receiving box at feeder's end of machine (steam fixtures not included—$15 extra, if required) $190 00

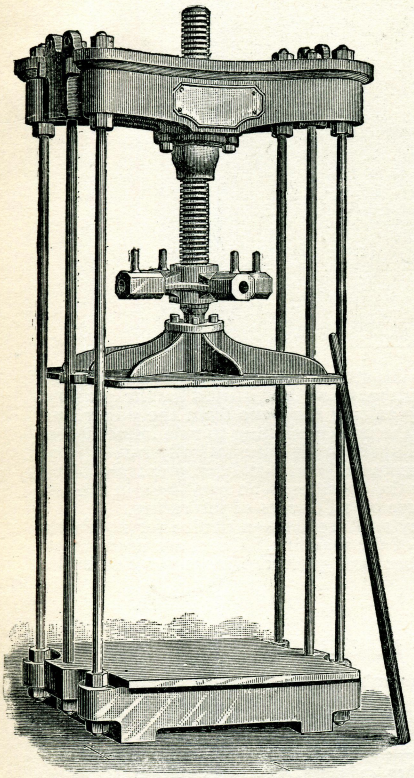
WIDTHS { Between Rails : / Cloth Width :	38 inches. / 32 inches.	42 inches. / 36 inches.	44 inches. / 38 inches.	48 inches. / 42 inches.	54 inches. / 48 inches.
STYLE 1-A, with Improved Receiving Box	$235 00	$275 00	$285 00	$305 00	$335 00
With Lay-boy and Receiver	252 00	297 00	307 00	327 00	357 00
STYLE 1, with Receiving Box	410 00	450 00	460 00	480 00	510 00
With Lay-boy and Receiver	427 00	472 00	482 00	502 00	532 00

RULING PENS ON POINT SYSTEM.

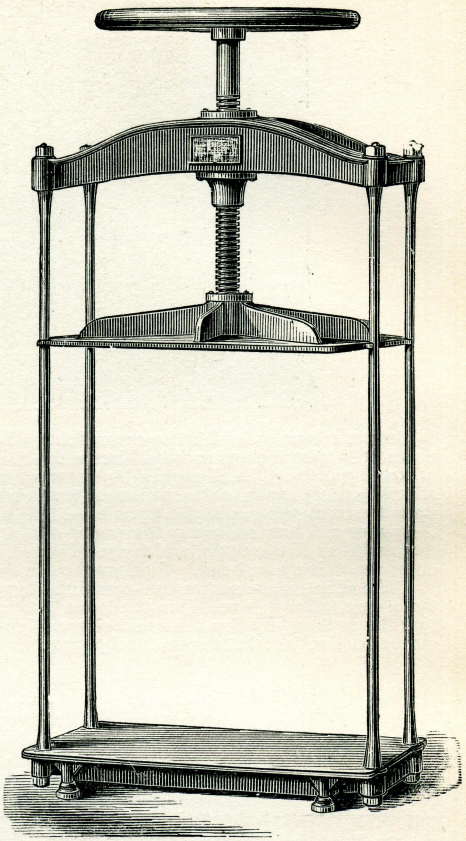
Made to adjust with point system of type bodies of the American Type Founders' Co. Length of bars, 4¼ inches; six bars in a set. The number of pens on a bar can be calculated by any one familiar with point system of type bodies. Faint-line pens sold only in sets.

Faint-Line Pens, in bars (combs), from 7 point to 36 point, each pen	$0 01½
Regular Down-Line Pens (Striker Pens), singles, and No. 9 double, each pen . .	0 02
Regular Down-Line Pens, triples, each pen	0 02½
Extra Long Down-Line Pens (Shanghai), singles, doubles, and triples, each pen	0 03
Extension Pens, soldered on brass, singles, doubles, and triples, each pen . . .	0 03¾
Extension Pens, soldered on tin, singles, doubles, and triples, each pen	0 02½

STANDING PRESSES.



Illustrates Standing Presses Nos. 5 and 6, operated with spider and lever.



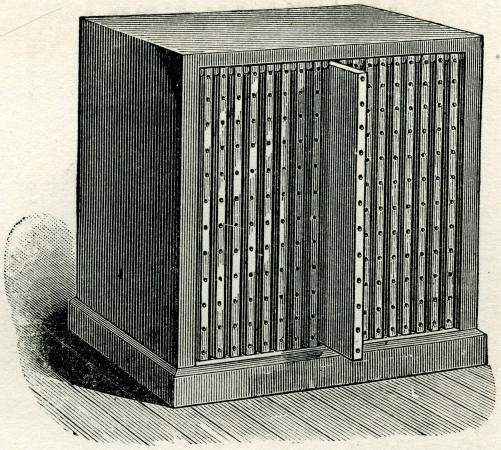
Illustrates Standing Presses, Nos. 2, 3 and 4, with hand wheel at top. No. 3 is also furnished with spider and lever.

These presses are very strong throughout—in top, base and platen.
No. 2 has four rods, and opens seven inches between bed and platen.
No. 3 has four rods, and opens thirty-seven inches.
No. 4 has four rods, and opens thirty-seven inches.
The Nos. 5 and 6 sizes have six wrought iron rods 1¼ inches in diameter. The boxes for main screw are phosphor bronze. The No. 5 opens forty-six inches, and No. 6 opens forty-eight inches. The screw is of 3¼-inch steel, and is made all in one piece.

No. 2.—Size 10×16, operated by hand wheel at top, as shown in cut	$25 00
No. 3.—Size 16×24, operated by a spider and lever	60 00
No. 4.—Size 16×24, operated by hand wheel at top	50 00
No. 5.—Size 20×28½, operated by a spider and lever, as shown in cut	110 00
No. 6.—Size 21×29, operated by a spider and lever	130 00

Boxing extra.

BRASS-BOUND PRESS BOARDS.



Made of seasoned, kiln-dried cherry, bound with hard brass, with folded corners.

16×24 inches, each . . . . . $2 75 | Case to hold 18 boards $5 00

Other sizes made to order. Special quotations given on large orders.

BOOKBINDERS' PRESS BOARDS.

Made from seasoned cherry, with cleated ends, and all guaranteed first-class, at the following prices, each:

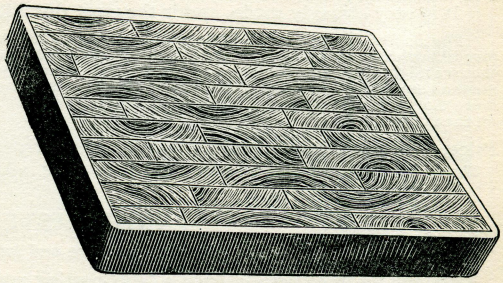
6×10½ inches . . . $0 20	12×16 inches $0 60	22×28 inches $1 30
8×10½ inches . . . 0 25	12×18 inches 0 70	24×30 inches 1 35
8×12 inches . . . 0 30	13×20 inches 0 75	24×32 inches 1 45
10×13 inches . . . 0 35	15×20 inches 0 80	26×40 inches 2 80
11×14 inches . . . 0 45	16×24 inches 0 95	30×36 inches 3 25
10×16 inches . . . 0 55	20×24 inches 1 05	36×44 inches 4 50

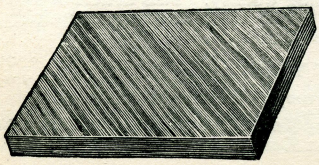
Other sizes made to order at proportionate prices. Special quotations given on large orders.

END-WOOD CUTTING BOARDS.

Made of end-wood, kiln-dried maple, any size desired. Each piece is grooved on all sides, and spliced and glued to the adjoining pieces, the result being the most durable and perfect cutting board which can be made.

Price, per square inch, face measure $0 02½





DIAGONAL GRAIN CUTTING BOARDS.

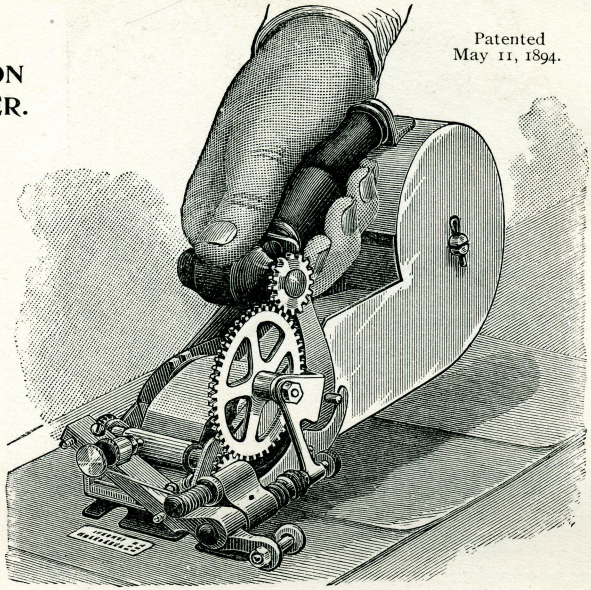
Made of kiln-dried maple. The diagonal grain blocks are the best procurable for this purpose.

8×12 Board, diagonal grain, per pair $1 75
8×12 Board, straight grain, per pair 1 20
Larger sizes, straight grain, per square foot . . 0 90
Larger sizes, diagonal grain, per square foot . 1 25

FOR MAILING DEPARTMENT.

THE HORTON MAILER.

Patented
May 11, 1894.



This is the best label-pasting mailer. It is quicker and more exact, because all its movements are positive. It is so simple that it can be worked rapidly and efficiently by the inexpert, while experts have addressed with it at the rate of 170 per minute. It is operated, as illustrated, by one hand, leaving the other entirely free to manipulate the papers or wrappers.

It guides and thoroughly pastes the slip, scrapes off all surplus paste, and sticks the label cleanly and firmly. The knives are thin and adjustable, with two cutting surfaces, and can be easily sharpened. The arrangements for adjusting knives with each other and regulating tension of knives are very exact.

It is very strongly made, and is the most durable of mailers.

The Ladies' Home Journal, Philadelphia; circulation, 690,000: "We have placed it in the hands of four of our experienced mailers, each having been given sufficient time to get acquainted with it, so that we might have more than one opinion. They were all satisfied that the machine is an improvement on any they have used. The Horton Mailer cuts and pastes the slip on the *Journal* or wrapper more thoroughly than the machines we have been using. . . . We do not believe it has an equal on the market to-day."

Price, with extra knives, paste strainer, screw driver and oiler, net $20 00

The exact size is 12 inches long by 3 inches wide by 5 inches high, and the weight is 2¾ pounds.

GUM PASTE.

For Mailing Machines and for Wrapping.

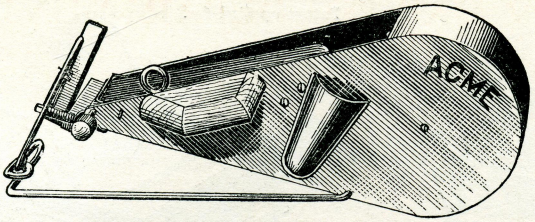
To get the best results from a label-pasting mailer it is necessary to use a paste of exactly the proper consistency and of first-class sticking quality. This article is thin-flowing, stronger and better than ordinary flour paste. Sticks labels or wrappers quickly, and does not harden in the keg. It will keep for three months.

NET PRICES F. O. B. NEW YORK.

Gum Paste is not kept in stock, but is shipped promptly on receipt of order.

1-Gallon Pail	$0 65	10-Gallon Keg	$4 00
5-Gallon Keg	2 25	25-Gallon Keg	8 00

THE ACME MAILER.

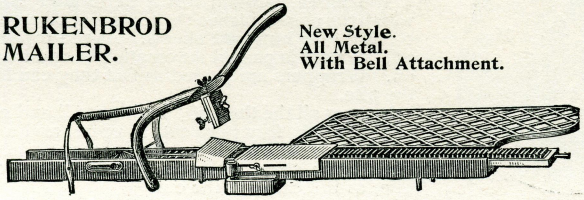


A good low-priced mailer, of which a great many are in use. It is built on the same lines as most of highest-priced mailers.

Price, net $15 00

RUKENBROD MAILER.

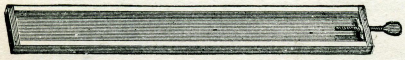
New Style.
All Metal.
With Bell Attachment.



This mailer prints direct on the paper or envelope, clearly, and as rapidly as paper can be put under the platen. It is the best mailer of its class. Each address is brought under the platen automatically, and bell quads may be used which will ring an alarm bell when the papers for any town are all addressed, whereupon the next town wrapper address is printed. Each mailer is provided with two platens, one for two-line address and one for three- and four-line addresses. No other mailer of its class will print a four-line address.

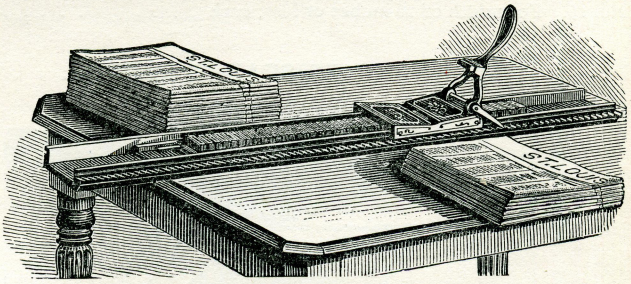
All-metal mailer (as per illustration), net $12 50

RUKENBROD MAILING GALLEY.



Wood rim, zinc bottom $0 60
Wood rim, brass bottom 0 85
Galley reglet, per hundred 0 30
Bell quadrats, per hundred 1 00

MUSTANG MAILER.



This mailer prints directly on the paper or envelope. The platen and its frame moves automatically, printing one address at a time. It will print three-line (8 Point) addresses.

The Mustang Mailer occupies a space of 37 inches in length and 4½ inches in width, and is made wholly of iron without springs or complications of any kind. Speed is regulated solely by the speed of operator in passing the papers to and from the mailer. The mail list is made up in galleys ten ems Pica wide on the inside.

Each galley holds seventy-five addresses. The weight of the machine is fifteen pounds, and of the galleys one pound.

Price $10 00

MUSTANG MAILING GALLEY.

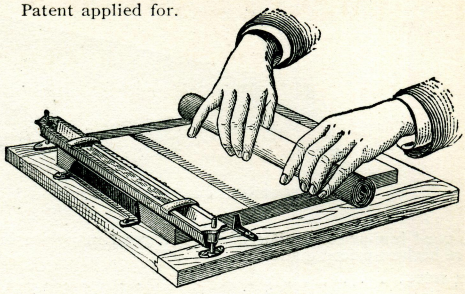


Zinc bottom $0 50
Brass bottom 0 75

ECONOMY WRAPPER PASTER.

Patent applied for.





The paste fountain has a perforated bottom through which the paste reaches the top sheet of a pile, which may contain four hundred sheets. As the top sheet is drawn off, the next is pasted automatically and instantly, and so on. Wrappers are pasted as fast they can be drawn from the pile.

It saves all the time of "laying out" and applying paste with a brush, fifty per cent. in paste, and a great deal of space, as three or four hundred wrappers occupy no more table room than one, and you can wrap on top of the pile, as indicated in the cut.

A SAMPLE EXPERIENCE—A REMARKABLE SAVING.

CHICAGO GREAT WESTERN RAILWAY—PRINTING OFFICE.
CHARLES A. STICKNEY, SUPERINTENDENT PRINTING.

ST. PAUL, MINN., April 20, 1897.

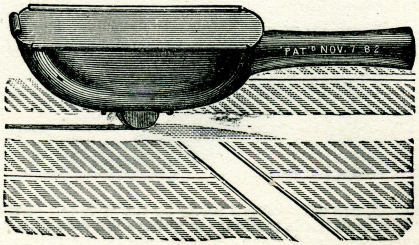
American Type Founders' Company:

DEAR SIRS—In answer to your letter of April 13 about the "Economy Wrapper Paster": We have just finished wrapping an edition of fifteen thousand tariffs, 12×18 inches—28 pages. These tariffs were being wrapped at the rate of 250 per hour with a brush, while with the aid of your paster this was increased to 400 per hour. In every way I think it far ahead of a brush.

Yours truly, CHARLES A. STICKNEY.

No. 10.	For width of 10 inches or less, each	$4 00
No. 14.	For width of 14 inches or less, each	4 50
No. 16.	For width of 16 inches or less, each	5 00

NEWSPAPER PASTER.



This is a tight brass box, with a handle, in which paste is put. In the bottom of the box a revolving wheel is placed which carries the paste out in a thin line to the sheet to be pasted. This wheel can be regulated to give a fine or coarse feed, as required.

The paster is carried in the hand between the thumb or forefinger while the sheets are being folded.

Price, complete, including two wheels and two gates $3 50

MISCELLANEOUS SUPPLIES.

BOOKS FOR PRINTERS.

THE AMERICAN PRINTER: A Manual of Typography. By Thomas MacKellar, Ph.D. 12mo. 400 pp., cloth $2 00

THE HARMONIZER: Showing a great variety of harmonious effects produced by printing colored ink on colored paper. By J. F. Earhart. Size, 5×7½ inches. 248 pages, cloth 5 50

HINTS ON IMPOSITION. By L. B. Williams. Leather, 90 pp. 1 00

MANUAL OF PRINTING. Vest-pocket size. 88 pp., leather 0 50

THE COLOR PRINTER. Contains 625 different forms, and 1,625,000 impressions. An invaluable book. By J. F. Earhart. Size, 8¼×10½ inches. 227 pp., cloth . 10 00

PRESS WORK: A Manual for Pressmen. By Wm. J. Kelly. Cloth, 99 pp. . . . 1 50

INLAND PRINTER ACCOUNT BOOK: A New and Correct System of Keeping Accounts in Printing Offices. Size, 10½×14½ inches, flat opening, leather back and corners, cloth sides. Price, 400 pp., for 2000 jobs, $5 00; 200 pp., for 1000 jobs 3 50

THE INLAND PRINTER: A Monthly Magazine. Size, 9×12 inches. From 90 to 110 pp., per issue. Per copy, 20 cents; per year 2 00

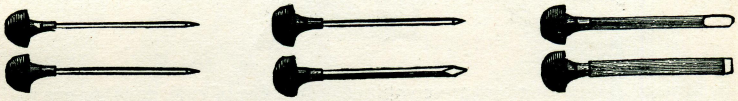
EMBOSSING MADE EASY: Instructions for Embossing by cheap processes . . . 1 00

AMERICAN DICTIONARY OF PRINTING AND BOOKMAKING. Size, 8½×11 inches. 592 pp., half morocco 12 00

NEWSPAPERDOM: A Weekly Journal for Printers and Publishers. Per year . . 1 00

WHITE'S MULTI-COLOR CHARTS: Show seventy-three different specimens of paper, each leaf printed in six colors. Size, 6×12 inches 1 00

ENGRAVERS' TOOLS.



Six tools, sharpened for use, with handles, in box $2 50

ENGRAVERS' WOOD.

Prepared to order, in the best manner. Prices are net. The minimum charge for Boxwood or Maple is twenty-five cents.

Boxwood, per square inch . . . . . 2 to 5 cents.
Maple, per square inch . . . . . 1½ cents.
Soft-wood Poster Tint Blocks, 27½×93¼ inches . . . . . $1 25 each.
Soft-wood Poster Tint Blocks, per square foot 0 25

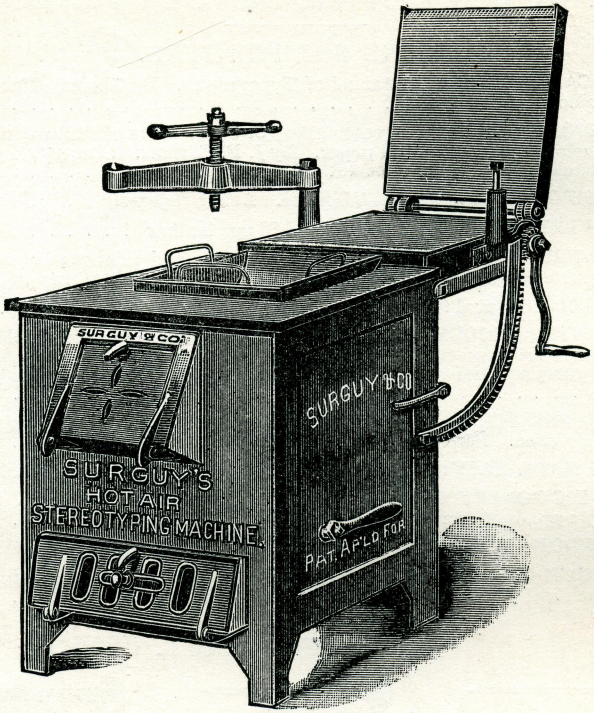
REDUCING GLASS.

For ascertaining how far an engraving or drawing may be reduced with safety, and for ascertaining the effect which will be given by reductions of all kinds. In round metal frames with handle, three inches in diameter, each $1 50

MAGNIFYING GLASS.

Every careful printer needs a magnifying glass. This glass is three inches in diameter, in a strong metal frame, with handle, each $1 65

THE SURGUY NEW HOT AIR STEREOTYPING APPARATUS.



The furnace and casting box are combined. One fire of coal, wood or gas will melt metal and dry matrix simultaneously or separately if preferred, as metal pot is detachable. Each apparatus will make thin or type-high plates.

The 8½×14-inch apparatus will stereotype a form of 7½×10 inches. It is too small to use with wood or coal, and is fitted with a gasoline attachment, or gas may be used. The 12×20-inch apparatus will stereotype a form of 10×18 inches. The 18×26-inch apparatus will stereotype a form of 16×24 inches, taking in a standard six-column page of a newspaper.

PRICE OF APPARATUS AND OUTFIT.

	Size 8½×14 inches.	Size 12×20 inches.	Size 18×26 inches.
Combined furnace and casting box	$33 00	$45 00	$85 00
Iron bars, spacings and cores for type-high casts	10 00	13 00	15 00
Iron shoot-board and plane	9 00	12 00	15 00
Iron miter box and metal saw	8 00	10 00	12 00
Beating brush	3 00	3 00	3 00
Steel gauges for thin plates, small tools, blankets, brushes, prepared matrix paper, directions, etc.	7 00	7 00	10 00
Prices, when ordered complete	$65 00	$90 00	$140 00

PREPARED MATRIX PAPER.

Size, 12×19 inches, per dozen, by express	$0 50
Size, 19×24 inches, per dozen, by express	1 00

HOKE CROWN ENGRAVING PLATES.

(PATENTED.)

A Crown Engraving Plate consists of a thin, dark, steel plate, covered with a soft, white composition. By means of special tools, used after the manner of pens, the drawing is made by cutting through the composition to the dark surface of the steel plate, which shows the drawing as it will appear when printed. No apprenticeship is needed. Anyone able to draw can do the work. Speed is gained by practice. Three or four tools and a scraping brass is all that is required for ordinary work. After the drawing is finished, a stereotype cast is made from it and the cut is ready for the press. The quickness and cheapness of the process are apparent. Any stereotype foundry can cast the plates, but for those who desire to do their own casting we have special simple and cheap stereotyping outfits suited to every line of work.

This process is suitable for rapid newspaper illustration. A cut may be got ready inside of thirty minutes.

PRICE LIST AND TELEGRAPH CODE.

The telegraphic code will be found convenient when plates are wanted in a hurry.

Size.	Net Price.	Tel. Code.	Size.	Net Price.	Tel. Code.
3 × 4 ins.	per doz. $ 4 50	—— ——	10×12 ins.	each, $3 25	Hart.
3½ × 5 ins.	per doz. 6 50	Breton.	10×18 ins.	each, 4 25	Inness.
4 × 6 ins.	per doz. 9 00	Church.	12×16 ins.	each, 4 75	Johnson.
5 × 6 ins.	per doz. 11 00	Dore.	12×20 ins.	each, 5 75	Kelly.
5 × 8 ins.	per doz. 15 00	Errett.	16×16 ins.	each, 6 25	Leslie.
6 ×10 ins.	per doz. 21 60	Frost.	16×20 ins.	each, 7 75	Max.
8 ×10 ins.	each, 2 50	Gaul.	18×20 ins.	each, 8 25	—— ——

A credit of 15 per cent. allowed for used base plates returned in good order, freight prepaid.

HOKE STEREOTYPE CASTING BOXES.

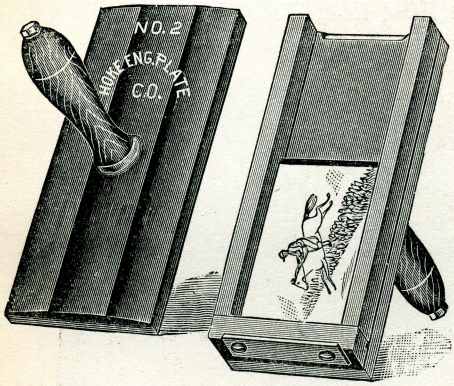


Fig. 1.

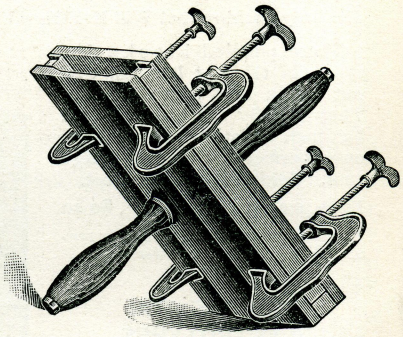


Fig. 2.

Figure 1 shows No. 2 Casting Box, with a 5×8 inch engraving plate laid in and the gauge bars adjusted to it, preparatory to putting on the top. Figure 2 shows the same, with the parts clamped together and ready to receive the molten metal.

No. 2 Casting Box, 5× 8 inches, complete, for casting thin or type high . . . $16 50 net.
No. 3 Casting Box, 8×10 inches, complete, for casting thin or type high . . . 22 00 net.

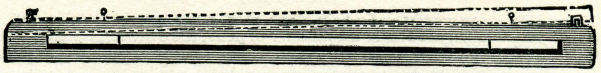
APPLIANCES FOR ENGRAVING ON THE CROWN ENGRAVING PLATES.

Hoke Engraving Tools, set of four, with scraping brass . . . . . $ 2 00 net.
Hoke Engraving Tools, each . . . . . 0 50 net.
Tracing Needles, for transferring drawing upon the composition of plate, each 0 15 net.
Circle Former, for describing circles of all diameters, each . . . . . 0 75 net.
Plateograph, for tracing from drawing or print, reducing or enlarging the work . . . . . 12 50 net.

AIR TOOLS FOR REMOVING DUST FROM PLATES.

Bulb Blower, operated by hand . . . . . $ 1 00 net.
Foot Blower, operated by treadle, with stand and pump . . . . . 20 00 net.
Foot Blower, without stand . . . . . 15 00 net.

HAMILTON NEWSPAPER FILE.

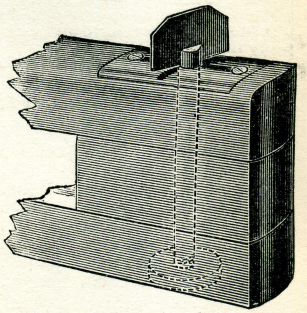


Made of cherry, finished in oil, with brass fastenings and polished steel thumb-screws. The method of opening and closing this file is novel and simple. The clasp end of file has a flat-headed thumb-screw (see cut), which is passed through a slot, and by giving the screw a quarter turn the file is securely locked. When the head is turned parallel with the file it opens instantly.

Price, each $1 25

The following sizes are made:

To hold sheet 20 in. long.
To hold sheet 22 in. long.
To hold sheet 24 in. long.
To hold sheet 26 in. long.
To hold sheet 28 in. long.
To hold sheet 30 in. long.
To hold sheet 34 in. long.
Other sizes to order.



Fastening, closed.

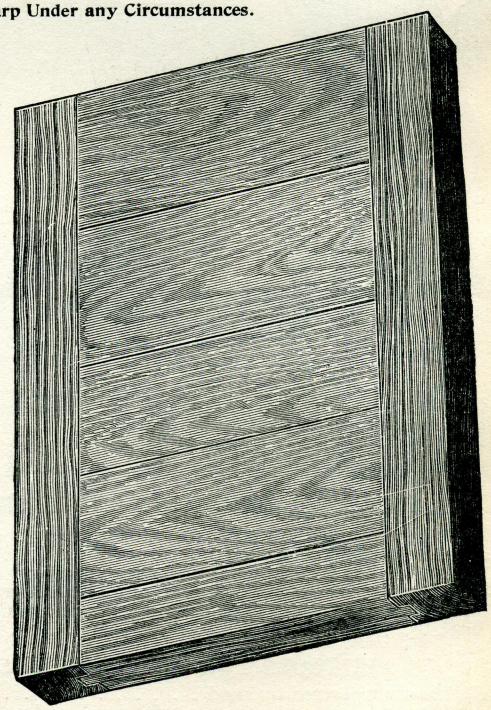
PANELED BACKING FOR ELECTROTYPES.

The Only Backing that Will Not Warp Under any Circumstances.

These paneled blocks are made in two-feet lengths, and put up in any width desired. They usually are ordered with half-inch variations. This is the only perfect backing for large cuts. Sold in lots of fifty feet.

Price per square foot . . . $0 20

Special prices for large lots or regular supply. *Made to order only.*



BACKING FOR ELECTROTYPES.

Made from selected, well-seasoned stock, and kiln dried. This is supplied to any height desired, planed perfectly smooth and flat on both sides, uniform in thickness, and free from knots or waste. It is put up in boxes, each containing 100 feet, cut in 2-feet lengths, assorted widths, $^{25}/_{32}$-inch high, for use without replaning, and $^{7}/_{8}$-inch high for replaning with Daniels Planer before use, but can be supplied to order to other thicknesses if required. The use of this backing results in saving of space and absence of waste.

Birch, per square foot, in boxes of 100 feet $0 10

SOLID-FACE TINT BLOCKS.

Most useful for the rapid setting up of tint forms. These blocks have a perfect, smooth surface, and print solidly.

1 Pica wide, per foot	$0 10
2 Picas wide, per foot	0 12
3 Picas wide, per foot	0 15
4 Picas wide, per foot	0 20
5 Picas wide, per foot	0 22
6 Picas wide, per foot	0 24
8 Picas wide, per foot	0 36
10 Picas wide, per foot	$0 48
12 Picas wide, per foot	0 50
15 Picas wide, per foot	0 66
18 Picas wide, per foot	0 75
20 Picas wide, per foot	0 80
24 Picas wide, per foot	0 85

Prices are net.

Larger pieces squared up, any size desired, at 1 cent per square inch.

LABOR-SAVING TINT BLOCKS.

These consist of strips of engravers' maple, with polished face, cut to even Picas and Nonpareils in width. A font consists of two pieces each 1, 1½, 2, 2½, 3, 3½, 4, 5, 6 and 8 ems Pica wide, all eight inches long. All the printer has to do to make a tint is to set his panel to even Picas, select a tint strip of same width, and cut it the desired length.

Price, per font, net $1 00

MAPLE BLOCKS.

The following are standard sizes, and are kept in stock at factory. Other sizes made to order for 1½ cents per square inch. Minimum charge, 25 cents. Prices are net.

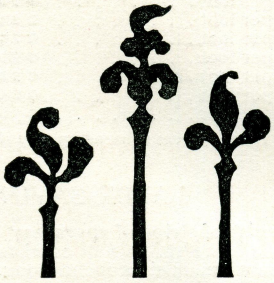
10 ×10 inches	$1 00
10 ×12 inches	1 20
12 ×12 inches	1 44
12½×12½ inches	1 50
14 ×14 inches	1 96
15×15 inches	$2 25
16×18 inches	2 88
12×24 inches	2 88
18×18 inches	3 24
15×30 inches	4 50

WOOD CIRCLES.

Made any size, mortised, with square or round bodies, as preferred. Prices are net.

1- to 2-inch diameter, inside, each	$0 40
2- to 4-inch diameter, inside, each	0 75
4- to 6-inch diameter, inside, each	1 00
6- to 8-inch diameter, inside, each	1 25
8- to 10-inch diameter, inside, each	1 75

EVERYTHING FOR THE PRINTER



EVERYTHING made—Everything shown in any Price-List—Everything that may be made in the future—for use in the Printing Office can be purchased direct from any of the BRANCH HOUSES of the

AMERICAN TYPE FOUNDERS CO.

YOUR orders are solicited. All orders will be filled in accordance with the expressed preferences of customers. Our aim is to satisfy you as fully with Printing Material as we do with Type.

BRANCHES COVERING THE CONTINENT



WOOD TYPE.

The following series are selected from our Complete Specimen Book of Wood Type, which will be forwarded on application. It contains the most up-to-date, and also all the standard, styles of Wood Type, Borders and Ornaments.

SIZES OF FONTS:

Wood Type is priced by the letter, and sold in various-sized fonts, as under. Orders for less than a font are strictly net; font orders are subject to discount. For schemes of fonts see our Specimen Book of Wood Type.

3A cap font contains 75 letters.
3a lower case font contains 65 letters.

4A cap font contains 106 letters.
4a lower case font contains 90 letters.

5A cap font contains 120 letters.
5a lower case font contains 104 letters.

Figures are put up separately. Each font contains 26 characters, which includes two $ signs.

WOOD RULE.

12 cents per yard on side-wood; 15 cents per foot on end-wood—in assorted lengths. End-wood Rule cannot be supplied in yard lengths. Solid corners to match all sizes, 25 cents per set of four. Wood Rule is sold at a lesser discount than Wood Type.

STYLE W — 24 POINT



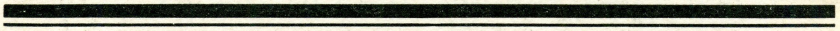
STYLE U — 18 POINT



STYLE R — 12 POINT



STYLE N — 8 POINT



STYLE H — 18 POINT



STYLE E — 12 POINT



STAR RULE.

In fonts of 5 feet, with one set of Corners, $1.90. Star Rule cannot be supplied in yard lengths.

No. 27



No. 23



No. 24

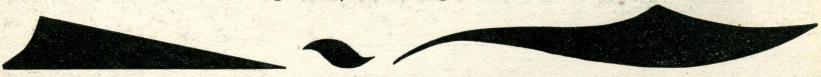


No. 20



WOOD POINTERS.

A set contains 25 pieces, matching those in our Metal Pointers.



2-line Pointers, per set, ...	$2.00	5-line Pointers, per set, ...	$3.50
3 " " " "	2.50	6 " " " "	4.00
4 " " " "	3.00	8 " " " "	5.00

For other styles of Wood and Star Rules, see our Complete Specimen Book of Wood Type. Sent on application only.

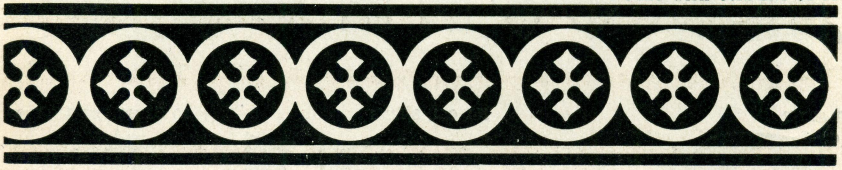
END-WOOD BORDERS.

Kept in stock in 5-feet fonts, with one set of Corners. For a full sheet 10 feet of Border are required.

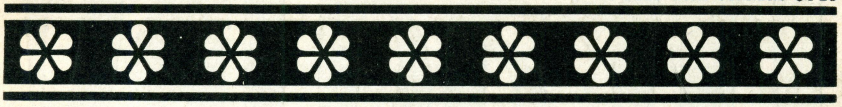
No. 244 — 5 FEET WITH CORNERS $5 40



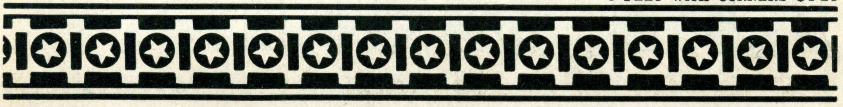
No. 333 — 5 FEET WITH CORNERS $5 40



No. 131 — 5 FEET WITH CORNERS $4 20



No. 295 — 5 FEET WITH CORNERS $4 20



No. 110 — 5 FEET WITH CORNERS $4 20



No. 254 — 5 FEET WITH CORNERS $3 60



No. 259 — 5 FEET WITH CORNERS $3 60



No. 250 — 5 FEET WITH CORNERS $3 60



No. 40 — 5 FEET WITH CORNERS $3 60



For a complete assortment of Wood Borders, see our Specimen Book of Wood Type. Sent on application only.

CLASS P No. 641, 10-LINE 12 CENTS PER LETTER

Bands

CLASS P No. 641, 8-LINE 10 CENTS PER LETTER

Bradley

CLASS P No. 641, 6-LINE 8 CENTS PER LETTER

Founders 5

CLASS P No. 641, 5-LINE 7 CENTS PER LETTER

Predominate

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS O No. 642, 10-LINE 10 CENTS PER LETTER

Great

CLASS O No. 642, 8-LINE 8 CENTS PER LETTER

Stands

CLASS O No. 642, 6-LINE 6 CENTS PER LETTER

Decorate

CLASS O No. 642, 5-LINE 6 CENTS PER LETTER

Establish 5

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS O NO. 627, 10-LINE 10 CENTS PER LETTER

Mad

CLASS O NO. 627, 8-LINE 8 CENTS PER LETTER

Colts

CLASS O NO. 627, 7-LINE 8 CENTS PER LETTER

Break

CLASS O NO. 627, 6-LINE 6 CENTS PER LETTER

Grants

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS O NO. 629, 10-LINE 10 CENTS PER LETTER

Backs

CLASS O NO. 629, 8-LINE 8 CENTS PER LETTER

Hunter

CLASS O NO. 629, 6-LINE 6 CENTS PER LETTER

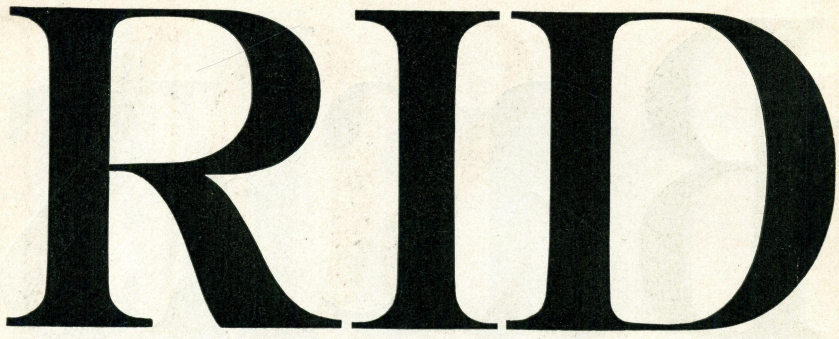
Exhibited

CLASS O NO. 629, 5-LINE 6 CENTS PER LETTER

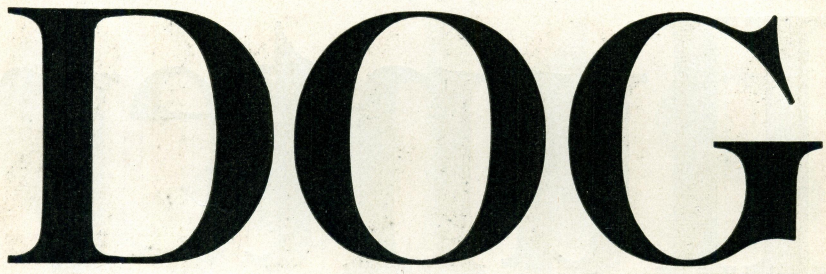
Celebration

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS O NO. 189, 10-LINE 10 CENTS PER LETTER



CLASS O NO. 189, 8-LINE 8 CENTS PER LETTER



CLASS O NO. 189, 6-LINE 6 CENTS PER LETTER



CLASS O NO. 189 5-LINE 6 CENTS PER LETTER



For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS N — NO. 231, 10-LINE — 10 CENTS PER LETTER

BISON

CLASS N — NO. 231, 8-LINE — 8 CENTS PER LETTER

NORMS

CLASS N — NO. 231, 6-LINE — 6 CENTS PER LETTER

Rancher 3

CLASS N — NO. 231, 5-LINE — 6 CENTS PER LETTER

Old Banker 5

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS N NO. 95, 10-LINE 10 CENTS PER LETTER

ROUND HEADS

CLASS N NO. 95, 8-LINE 8 CENTS PER LETTER

BOUNDING HORSE

CLASS N NO. 95, 6-LINE 6 CENTS PER LETTER

DUTCHMAN BREECHES

CLASS N NO. 95, 5-LINE 6 CENTS PER LETTER

Womens Beautiful Costumes

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS N NO. 24, 15-LINE 14 CENTS PER LETTER

ROBINS

CLASS N NO. 24, 10-LINE 10 CENTS PER LETTER

POINTERS

CLASS N NO. 24, 6-LINE 6 CENTS PER LETTER

NATIONAL SONGS

For sizes of fonts, see page 175. All sizes complete with caps, lower-case and figures. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS N NO. 37, 10-LINE 10 CENTS PER LETTER

HIDES

CLASS N NO. 37, 8-LINE 8 CENTS PER LETTER

DESIGN

CLASS N NO. 37, 6-LINE 6 CENTS PER LETTER

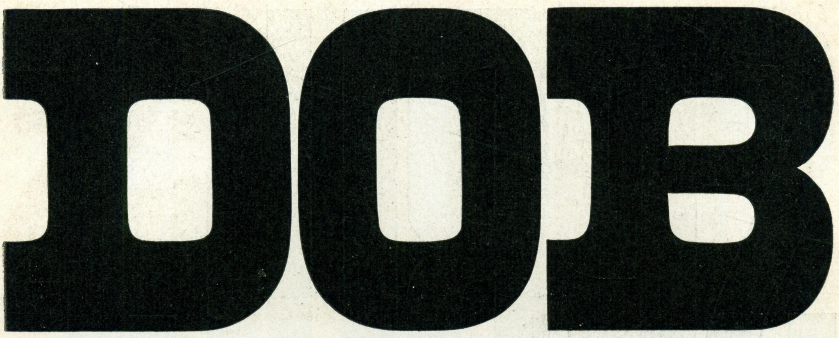
MOTHERS

CLASS N NO. 37, 5-LINE 6 CENTS PER LETTER

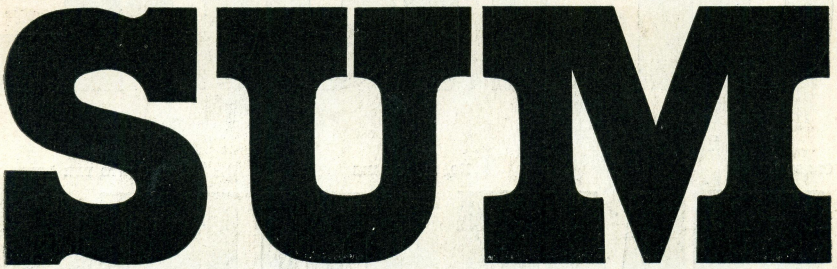
Side Boards

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

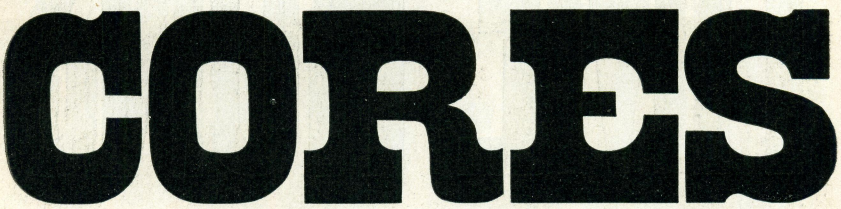
CLASS O — No. 23, 10-LINE — 10 CENTS PER LETTER



CLASS O — No. 23, 8-LINE — 8 CENTS PER LETTER



CLASS O — No. 23, 6-LINE — 6 CENTS PER LETTER



CLASS O — No. 23, 5-LINE — 6 CENTS PER LETTER



For sizes of fonts, see page 175. All sizes complete with caps, lower case and figures. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS L NO. 81, 15-LINE 12 CENTS PER LETTER

SPRUCE

CLASS L NO. 81, 10-LINE 9 CENTS PER LETTER

TIME RUNS

CLASS L NO. 81, 6-LINE 6 CENTS PER LETTER

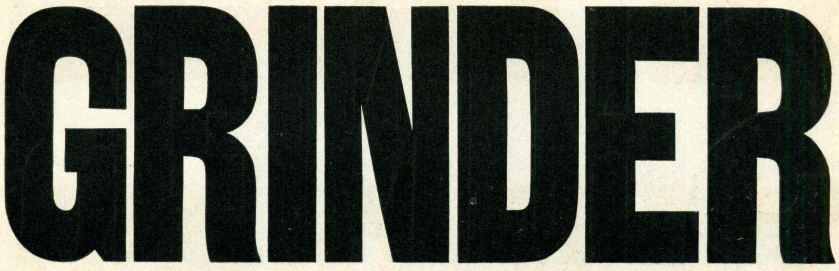
BRADENBURGH 8

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS L NO. 50, 10-LINE 9 CENTS PER LETTER



CLASS L NO. 50, 8-LINE 8 CENTS PER LETTER



CLASS L NO. 50, 6-LINE 6 CENTS PER LETTER



CLASS L NO. 50, 5-LINE 6 CENTS PER LETTER



For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS M NO. 45, 10-LINE 9 CENTS PER LETTER

RIDES

CLASS M NO. 45, 8-LINE 8 CENTS PER LETTER

SHINER

CLASS M NO. 45, 6-LINE 6 CENTS PER LETTER

GROUNDS

CLASS M NO. 45, 5-LINE 6 CENTS PER LETTER

Numerate 5

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS O NO. 21, 10-LINE 10 CENTS PER LETTER

DOG

CLASS O NO 21, 8-LINE 8 CENTS PER LETTER

RIMS

CLASS O NO 21, 6-LINE 6 CENTS PER LETTER

HOUSE

CLASS O NO. 21, 5-LINE 6 CENTS PER LETTER

SPOKEN

For sizes of fonts, see page 175. All sizes complete with caps, lower case and figures. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

CLASS P NO. 235, 10-LINE 12 CENTS PER LETTER

Bert

CLASS P NO. 235, 8-LINE 10 CENTS PER LETTER

Sticks

CLASS P NO. 235, 6-LINE 8 CENTS PER LETTER

ICE Cost

CLASS P NO. 235, 5 LINE 7 CENTS PER LETTER

Avenue 8

For sizes of fonts, see page 175. For other sizes of above series, see our Specimen Book of Wood Type. Sent on application only.

USEFUL INFORMATION FOR PRINTERS.

STANDARD SIZES OF NEWSPAPERS.

The following tables of sizes are based upon the standard sizes of news paper, with columns 13 ems wide and 7-point column rule. The adoption of these sizes is advisable, especially in starting new papers, or putting in a new outfit, thereby gaining desirable uniformity:

FOR FOLIO PAPERS

MATERIALS REQUIRED, ETC.	5-COLUMN FOLIO	6-COLUMN FOLIO	7-COLUMN FOLIO	8-COLUMN FOLIO	9-COLUMN FOLIO
For Standard Size of Paper	20×26	22×30	24×35	26×40	29×44
Size of Matter for each Side, over all	18×24⅜	20×28½	22×33¼	24×37¾	27×42⅛
Size of each Page of Matter	11¼×18	13⅛×20	15⅝×22	18⅜×24	20⅜×27
Size of Chases, over all, for each Side	*21⅜×28⅝	23⅝×33¼	25⅞×38	27⅞×42½	30⅝×47
Size of each Chase, inside	19⅜×26⅝	14¾×21⅜	17⅜×23⅝	19⅜×25⅝	21⅛×28⅝
Width of Cross-Bar	1⅝				
Width of Backs		¾	¾	¾	¾
Width of Outside Iron	1	1⅛	1⅛	1⅛	1⅛
Number of Chases required	2 chases	2 pairs	2 pairs	2 pairs	2 pairs
Size of Side Sticks	18⅜×⅜	20⅜×⅜	22¼×⅜	24½×⅜	27½×⅜
Size of Foot Sticks	11¼×½	13¾×½	15¾×¾	18×¾	20⅜×¾
Number of Side and Foot Sticks required	4 each	4 each	4 each	4 each	4 each
Length of 7-Point Column Rules, Inside Pages‡	17¾	19¾	21¾	23¾	25⅝
Total Number of Column Rules required	16	20	24	28	32
Length of Head Rules and Slugs (Pica ems)	67⅓	80½	94½	108½	121⅔
Number of Head Rules required	5	5	5	5	5
Number of 6-Point Brass Head Slugs required	7	7	7	7	7
Length of 3-Point Brass Leads for Side of Chases	19	21	23	25	28
Length of 3-Point Brass Leads for Head of Chases	12	14	17	19	21
Number of Side and Head Brass Leads required	4 each	4 each	4 each	4 each	4 each

FOR QUARTO PAPERS

MATERIALS REQUIRED, ETC.	4-COLUMN QUARTO	5-COLUMN QUARTO	6-COLUMN QUARTO	7-COLUMN QUARTO	8-COLUMN QUARTO
For Standard Size of Paper	22×32	26×40	30×44	35×48	40×52
Size of Matter for each side, over all	19¾×30	24⅛×38	28½×42	33¼×46¼	37¾×50¼
Size of each Page of Matter	9×14	11¼×18	13½×20	15⅝×22	18⅛×24
Size of Chases, over all, for each Side	24½×35	†28⅞×43	†33¼×47	38×51¾	242½×55⅝
Size of each Chase, inside	15⅝×22¼	19⅜×26⅝	21⅜×31	17⅛×23⅝	19⅜×25⅝
Width of Cross-Bar	1¾	1⅝	1½		
Width of Backs	1	1	1	¾	¾
Width of Outside Iron	1⅛	1⅛	1⅛	1⅛	1⅛
Number of Chases required	2 pairs	2 pairs	2 pairs	4 pairs	4 pairs
Size of Side Sticks	14⅜×⅜	18⅜×⅜	20⅜×⅜	22½×⅜	24½×⅜
Size of Foot Sticks	8⅞×½	11¼×½	13¾×½	15¾×¾	18×¾
Number of Side and Foot Sticks required	8 each	8 each	8 each	8 each	8 each
Length of 7-Point Column Rules, Inside Pages‡	13¾	17¾	19¾	21¾	23¾
Total Number of Column Rules required	24	32	40	48	56
Length of Head Rules and Slugs (Pica ems)	53½	67⅓	80½	94½	108½
Number of Head Rules required	9	9	9	9	9
Number of 6-Point Brass Head Slugs required	11	11	11	11	11
Length of 3-Point Brass Leads for Side of Chases	15	19	21	23	25
Length of 3-Point Brass Leads for Head of Chases	10	12	14	17	19
Number of Side and Head Brass Leads required	8 each	8 each	8 each	8 each	8 each

*For five-column folio use news chases.

†For four, five and six-column quartos, twin chases with bars. Size inside each chase (* and †) includes the width of cross-bar. For all other sizes twin chases should be employed.

§The "size of chases over all" for seven and eight-column quartos, is the size of two pairs over all. These measurements, with the "size of matter for each side, over all," show the size press necessary to print one side of paper.

‡Length of column rules for first page determined by size of heading, or say about two inches shorter than the others.

HOW TO ESTIMATE.

To ascertain the quantity of body type required for a publication, find the number of square inches and divide the same by four, and the quotient will be the approximate weight of type required; but, as it is impossible to set the cases entirely clear, it is necessary to add 25 per cent. to the weight of large fonts, and 33⅓ per cent. to small fonts, to allow for dead letter.

TABLE FOR NEWSPAPER ESTIMATES.

Showing the number of ems of the different sizes of newspaper type in a line, the number of lines necessary to make 1000 ems, and the length in inches; the number of ems in the regular lengths of columns, and number of leads required. There are 66 13-em 2-point leads in one pound.

ESTIMATED ON WIDTH OF STANDARD COLUMN, 13 EMS PICA.	5½ POINT	6 POINT	7 POINT	8 POINT	9 POINT	10 POINT
Number ems in line	28⅔	26	22¼	19½	17⅓	15½
Number lines in 1000 ems	35⅓	38½	45	51⅓	57⅔	64½
Number inches in 1000 ems	2⅔	3¼	4⅜	5⅔	7¼	9
4-Column Folio or Quarto } number ems in column	5040	4325	3175	2465	1950	1610
5-Column Folio or Quarto } number ems in column	6505	5615	4115	3200	2525	2085
6-Column Folio or Quarto } number ems in column	7180	6160	4515	3510	2770	2290
7-Column Folio or Quarto } number ems in column	7900	6785	4970	3865	3050	2520
8-Column Folio, number ems in column	8630	7410	5440	4220	3330	2755
9-Column Folio, number ems in column	9310	8030	5885	4575	3615	2970
2 Point leads in 1000 ems of leaded matter	26	29	35	41	47	54
2 Point leads in column, 4-column paper	132	124	110	99	90	82
2 Point " " 5 " "	170	160	142	128	116	107
2 Point " " 6 " "	190	178	158	142	129	119
2 Point " " 7 " "	209	196	174	157	142	131
2 Point " " 8 " "	221	207	184	166	151	138
2 Point " " 9 " "	266	250	222	200	182	167
Weight of 2-Point leads in 1000 ems of leaded matter	6 oz.	7 oz.	8½ oz.	10 oz.	11½ oz.	13 oz.
Weight of 2-Point leads needed to lead 1000 ems of solid matter	8½ oz.	9½ oz.	11 oz.	12½ oz.	14 oz.	16 oz.

RELATIVE PROPORTION OF TYPE BODIES.

Table showing the number of ems of different bodies contained in 1000 ems space of any given body. Also the weight and space occupied by 1000 ems of any body. Also the number of ems of any body, and the number of inches in one pound.

1000 EMS OF	3½ POINT	4½ POINT	5 POINT	5½ POINT	6 POINT	7 POINT	8 POINT	9 POINT	10 POINT	11 POINT	12 POINT	WEIGHT	SQ. INCHES
3½ Point		605	490	405	341	250	192	151	122	101	85	10 oz.	2.36
4½ Point	1653		810	670	563	413	316	250	203	167	141	1 1/16 lbs.	3.91
5 Point	2041	1235		827	695	510	391	309	250	207	174	1¼ lbs.	4.82
5½ Point	2469	1493	1210		840	617	473	373	303	250	210	1 9/16 lbs.	5.83
6 Point	2940	1780	1440	1192		735	563	445	360	297	250	1 13/16 lbs.	6.94
7 Point	4000	2420	1960	1620	1364		766	604	490	405	340	2½ lbs.	9.44
8 Point	5224	3160	2560	2116	1780	1306		790	640	529	445	3 5/16 lbs.	12.35
9 Point	6612	4000	3240	2680	2252	1653	1266		810	670	564	4¼ lbs.	15.62
10 Point	8164	4940	4000	3308	2780	2041	1563	1236		828	696	5 lbs.	19.29
11 Point	9876	5972	4840	4000	3360	2469	1891	1492	1210		840	6¼ lbs.	23.30
12 Point	11756	7112	5760	4760	4000	2939	2250	1778	1440	1190		7¼ lbs.	27.77
Ems in one lb.	1600	960	790	650	550	400	300	240	200	160	140		3.75
Ems in square inch	223 1/5	256	207 1/5	171 1/3	144	105 4/5	81	64	51 4/5	42 5/6	36	4¼ oz.	

NUMBER OF EMS IN ONE POUND OF TYPE.

Two by two inches (four square inches) solid type weighs approximately one pound:

	EMS		EMS		EMS
5 Point	829	7 Point	423	10 Point	207
5½ "	685	8 "	324	11 "	171
6 "	576	9 "	256	12 "	144

TYPE STANDARDS.

The following is the standard adopted by the International Typographical Union. The basis of measurement is the lower-case alphabet, from a to z inclusive, and the ems used are the same body as the type measured:

	EMS
4½ Point	18
5 "	17
5½ "	16
6 "	15
7 "	14
8 Point	14
9 "	13
10 "	13
11 "	13
12 "	13

NUMBER OF EMS IN SQUARE INCHES OF TYPE.

[Copyrighted by D. Ramaley.]

SQ. IN.	6 PT.	7 PT.	8 PT.	9 PT.	10 PT.	11 PT.	12 PT.
1	144	106	81	64	52	44	36
2	288	212	162	128	104	88	72
3	432	318	243	192	156	132	108
4	576	424	324	256	208	176	144
5	720	530	405	320	260	220	180
6	864	636	486	384	312	264	216
7	1008	742	567	448	364	308	252
8	1152	848	648	512	416	352	288
9	1296	954	729	576	468	396	324
10	1440	1060	810	640	520	440	360
11	1584	1166	891	704	572	484	396
12	1728	1272	972	768	624	528	432
13	1872	1378	1053	832	676	572	468
14	2016	1484	1134	896	728	616	504
15	2160	1590	1215	960	780	660	540
16	2304	1696	1296	1024	832	704	576
17	2448	1802	1377	1088	884	748	612
18	2592	1908	1458	1152	936	792	648
19	2736	2014	1539	1216	988	836	684
20	2880	2120	1620	1280	1040	880	720
21	3024	2226	1701	1344	1092	924	756
22	3168	2332	1782	1408	1144	968	792
23	3312	2438	1863	1472	1196	1012	828
24	3456	2544	1944	1536	1248	1056	864
25	3600	2650	2025	1600	1300	1100	900
26	3744	2756	2106	1664	1352	1144	936
27	3888	2862	2187	1728	1404	1188	972
28	4032	2968	2268	1792	1456	1231	1108

SQ. IN.	6 PT.	7 PT.	8 PT.	9 PT.	10 PT.	11 PT.	12 PT.
29	4176	3074	2349	1856	1508	1276	1044
30	4320	3180	2430	1920	1560	1320	1080
31	4464	3286	2511	1984	1612	1364	1116
32	4608	3392	2592	2048	1664	1408	1152
33	4752	3498	2673	2112	1716	1452	1188
34	4896	3604	2754	2176	1768	1496	1224
35	5040	3710	2835	2240	1820	1540	1260
36	5184	3816	2916	2304	1872	1584	1296
37	5328	3922	2997	2368	1924	1628	1332
38	5472	4028	3078	2432	1976	1672	1368
39	5616	4134	3159	2496	2028	1716	1404
40	5760	4240	3240	2560	2080	1760	1440
41	5904	4346	3321	2624	2132	1804	1476
42	6048	4452	3402	2688	2184	1848	1512
43	6192	4558	3483	2752	2236	1882	1548
44	6336	4664	3564	2816	2288	1936	1584
45	6480	4770	3645	2880	2340	1980	1620
46	6624	4876	3726	2944	2392	2024	1650
47	6768	4982	3807	3008	2444	2068	1696
48	6912	5088	3888	3072	2496	2112	1728
49	7056	5194	3969	3136	2548	2156	1764
50	7200	5300	4050	3200	2600	2200	1800
60	8640	6360	4860	3840	3120	2640	2160
70	10080	7420	5670	4480	3640	3080	2520
80	11520	8480	6480	5120	4160	3520	2880
90	12960	9540	7290	5760	4680	3960	3240
100	14400	10600	8100	6400	5200	4400	3600

NUMBER OF LEADS TO THE POUND.

Table showing the approximate number of 2-point and 3-point leads contained in a pound. For 1-point leads, multiply the 2-point columns by 2. For 1½-point leads, multiply the 3-point columns by 2. For 6-point slugs, divide 3-point columns by 2.

EMS LONG	2 POINT	3 POINT	EMS LONG	2 POINT	3 POINT	EMS LONG	2 POINT	3 POINT	EMS LONG	2 POINT	3 POINT
3	288	192	15	57	38	27	31	21	39	22	15
4	216	144	16	54	36	28	30	20	40	21	14
5	168	112	17	51	34	29	30	20	41	21	14
6	144	96	18	48	32	30	29	19	42	20	14
7	123	82	19	45	30	31	28	19	43	20	13
8	108	72	20	42	28	32	27	18	44	19	13
9	96	64	21	40	27	33	26	17	45	19	13
10	84	56	22	39	26	34	25	17	46	18	12
11	78	52	23	37	25	35	24	16	47	18	12
12	72	48	24	36	24	36	24	16	48	18	12
13	66	44	25	34	23	37	23	15	49	17	11
14	61	41	26	33	22	38	22	15	50	17	11

ROMAN NUMERALS.

I—1	VI— 6	XI—11	XVI—16	XXX—30	LXXX— 80	CCC—300	DCCC— 800
II—2	VII— 7	XII—12	XVII—17	XL—40	XC— 90	CCCC—400	DCCCC— 900
III—3	VIII— 8	XIII—13	XVIII—18	L—50	C—100	D—500	M—1000
IV—4	IX— 9	XIV—14	XIX—19	LX—60	CL—150	DC—600	
V—5	X—10	XV—15	XX—20	LXX—70	CC—200	DCC—700	

APPROXIMATE NUMBER OF WORDS IN A SQUARE INCH.

In calculating the number of pages a manuscript will occupy, these figures may be used:

	WORDS TO SQ. IN.		WORDS TO SQ. IN.
22 Point	4	9 Point, leaded	21
18 " solid	7	8 " solid	32
14 " "	11	8 " leaded	23
12 " solid	14	7 " solid	38
12 " leaded	11	7 " leaded	27
11 " solid	17	6 " solid	47
11 " leaded	14	6 " leaded	34
10 " solid	21	5 " solid	69
10 " leaded	16	5 " leaded	50
9 " solid	28		

" Leaded," as here used, means a opening of lines with 2-point leads.

USEFUL IN ORDERING SORTS.

The following table shows what each box in the type case will hold:

a c d i s m n h o u t r	boxes, each hold	2 pounds.
f b l v g y p w	boxes, each hold	15 ounces.
k j z x q and all figures	boxes, each hold	6 "
e	box holds	3 pounds.
Caps and Small Caps	boxes, each hold	5 ounces.

TO PRINT CONSECUTIVE NUMBERS.

Orders to print consecutive numbers are received more or less frequently by every printing office, large or small. In the average office, to print the numbers 1 to 200 consecutively would be quite a task, and when undertaken in the ordinary way, with the facilities usually at hand, the cost is so high that the customer usually concludes to get along with something else than printed numbers, and what might be a profitable job is lost to the office.

A	B	C	D	E	F	G	H	I	K	L
1	11	21	31	41	51	61	71	81	91	**01**
2	22	32	42	52	62	72	82	92	**02**	12
3	33	43	53	63	73	83	93	**03**	13	23
4	44	54	64	74	84	94	**04**	14	24	34
5	55	65	75	85	95	**05**	15	25	35	45
6	66	76	86	96	**06**	16	26	36	46	56
7	77	87	97	**07**	17	27	37	47	57	67
8	88	98	**08**	18	28	38	48	58	68	78
9	99	**09**	19	29	39	49	59	69	79	89
0	00	10	20	30	40	50	60	70	80	90

Suppose an order for two hundred reserved seat numbers from 1 to 200, six copies of each. It is not necessary to set up more than the units 1 to 0. These figures are to be set up, properly spaced, one above the other, as shown in column A of the table annexed.

One hundred and twenty impressions are taken on strips of cardboard cut to the required width. This done, gives the required number of units. Change the gauge pins in a manner to print the same form beside the printed figures to form the tens, as shown in column B of the table. Take twelve impressions of this form on twelve of the already printed strips. The next step is to change the form by taking the top figure (1) and place it at the bottom of the column, so the next impression on a strip of the first form will read as shown in column C of the table. We print again twelve strips of the first form. This change of the top figures, 2, 3, 4, 5, 6, 7, 8, 9 and 0, respectively, is repeated eight more times, shown in the table as columns D, E, F, G, H, I, K and L. From each change twelve impressions on the printed slips containing the first form must be made. This will finish the tens, and by changing the form to ten figure 1s and again moving the pins to the left for the space-width of the type, and printing six strips of each the former changes from B to L, gives the hundreds, or a continuous run of numbers from 1 to 199 in an edition of six copies. To obtain number 200, print upon the six strips left a figure 2 to head the 00 of column B. In assorting the numbers it will be found that each six copies of the heavy type cannot be used, but this small loss in stock is compensated many times by the advantage derived from the method.

PROOFREADER'S MARKS.

- ✕ Change bad letter.
- ⊥ Push down space.
- 9 Turn.
- ꝺ Take out (*dele*).
- ^ Left out; insert.
- # Insert space.
- V Even spacing.
- ⌣ Less space.
- ⁀ Close up entirely.
- ⊙ Period.
- ⁄ Comma.
- ⁚ Colon.
- ⁏ Semicolon.
- ⁘ Apostrophe.
- ⁗ Quotation.
- ⸗ Hyphen.
- ≋ Straighten lines.
- ⊏ Move over.
- □ Em-quad space.
- One-em dash.
- Two-em dash.
- ¶ Paragraph.
- No ¶ No paragraph.
- *w. f.* Wrong font.
- .... Let it stand.
- *stet.* Let it stand.
- *tr.* Transpose.
- *Caps* Capital letters.
- *s. c.* Small caps.
- *l. c.* Lower case or small letters.
- *Ital.* Italics.
- *Rom.* Roman.

TABLE SHOWING THE AMOUNT OF PAPER REQUIRED

for any job of from 50 to 5000 copies. No allowance is made for waste.

NO. OF COPIES REQUIRED.	2 TO THE SHEET		3 TO THE SHEET		4 TO THE SHEET		6 TO THE SHEET		8 TO THE SHEET		9 TO THE SHEET		12 TO THE SHEET		15 TO THE SHEET		16 TO THE SHEET		18 TO THE SHEET		20 TO THE SHEET		24 TO THE SHEET		32 TO THE SHEET	
	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS	QUIRES	SHEETS
50	1– 1		0–17		0–13		0– 9		0– 7		0– 6		0– 5		0– 4		0– 4		0– 3		0– 3		0–03		0– 2	
100	2– 2		1–10		1– 1		0–17		0–13		0–12		0– 9		0– 7		0– 6		0– 5		0–05		0– 4			
200	4– 4		2–19		2– 2		1–10		1– 1		0–23		0–17		0–14		0–13		0–12		0–10		0–09		0– 7	
250	5– 5		3–12		2–15		1–18		1– 8		1– 4		0–21		0–17		0–16		0–14		0–13		0–11		0– 8	
300	6– 6		4– 4		3– 3		2– 2		1–14		1–10		1– 1		0–20		0–19		0–17		0–15		0–13		0–10	
400	8– 8		5–14		4– 4		2–19		2– 2		1–21		1–10		1– 3		1– 1		0–23		0–20		0–17		0–13	
500	10–10		6–23		5– 5		3–12		2–15		2– 8		1–18		1–10		1– 8		1– 4		1– 1		0–21		0–16	
600	12–12		8– 8		6– 6		4– 4		3– 3		2–19		2– 2		1–16		1–14		1–10		1– 6		1– 1		0–19	
700	14–14		19–18		7– 7		4–21		3–16		3– 6		2–11		1–23		1–20		1–15		1–11		1– 6		0–22	
750	15–15		10–10		7–20		5– 5		3–22		3–12		2–15		2– 3		1–23		1–18		1–14		1– 8		1– 0	
800	16–16		11– 3		8– 8		5–14		4– 4		3–17		2–19		2– 6		2– 2		1–21		1–16		1–10		1– 1	
900	18–18		12–12		9– 9		6– 6		4–17		4– 4		3– 3		2–12		2– 9		2– 2		1–21		1–14		1– 5	
1000	20–20		13–22		10–10		6–23		5– 5		4–16		3–12		2–19		2–15		2– 8		2– 2		1–18		1– 8	
1250	26– 1		17– 9		13– 1		8–17		6–13		5–19		4– 9		3–12		3– 7		2–22		2–15		2– 5		1–16	
1500	31– 6		20–20		15–15		10–10		7–20		6–23		5– 5		4– 5		3–22		3–12		3– 3		2–15		1–23	
1750	36–11		24– 8		18– 6		12– 4		9– 3		8– 3		6– 2		4–22		4–14		4– 2		3–16		3– 1		2– 8	
2000	41–16		27–19		20–20		13–22		10–10		9– 7		6–23		5–14		5– 5		4–16		4– 4		3–12		2–15	
2500	52– 2		31–18		26– 1		17–10		13– 1		11–15		8–17		7– 0		6–13		5–20		5– 5		4– 9		3– 7	
3000	62–12		44–16		31– 6		20–20		15–15		13–22		10–10		8– 8		7–20		6–23		6– 6		5– 5		3–22	
4000	83– 8		55–14		41–16		27–19		20–20		18–13		13–22		11– 3		10–10		9– 7		8– 8		6–23		5– 5	
5000	104– 4		69–11		52– 2		34–18		26– 1		23– 4		17– 9		13–22		13– 1		11–14		10–10		8–17		6–13	

DIRECTIONS FOR SECURING COPYRIGHTS

Under the Revised Acts of Congress, including the Provisions for Foreign Copyright, by Act of March 3, 1891.

Printed title required.

1. A *printed* copy of the title of the book, map or chart, dramatic or musical composition, engraving, cut, print, photograph or chromo, or a *description* of the painting, drawing, statue, statuary or model or design for a work of the fine arts, for which copyright is desired, must be delivered to the Librarian of Congress or deposited in the mail, within the United States, *prepaid*, addressed "LIBRARIAN OF CONGRESS, WASHINGTON, D. C." This must be done on or before day of publication in this or any foreign country.

What style of print.

The *printed title* required may be a copy of the title page of such publications as have title pages. *In other cases the title must be printed expressly for copyright entry*, with name of claimant of copyright. The style of type is immaterial, and the print of a typewriter will be accepted. But a separate title is required for each entry, and *each* title must be printed on paper as large as commercial note. The title of a *periodical* must include the date and number; and each number of the periodical requires a separate entry of copyright.

Copyright fees.

2. The legal fee for *recording* each copyright claim is 50 cents, and for a *copy* of this record (or certificate of copyright under seal of the office) an additional fee of 50 cents is required, making $1 if certificate is wanted, which will be mailed as soon as reached in the records. For publications which are the production of persons not citizens or residents of the United States, the fee for recording title is $1, and 50 cents additional for a copy of the record. Certificates covering more than one entry in one certificate are not issued.

Two copies required.

3. Not later than the day of publication in this country or abroad, two complete copies of the best edition of each book or other article must be delivered, or deposited in the mail within the United States, addressed "LIBRARIAN OF CONGRESS, WASHINGTON, D. C.," to perfect the copyright.

Free by mail.

To be American made.

The freight or postage must be prepaid, or the publications inclosed in parcels covered by printed Penalty Labels, furnished by the Librarian, in which case they will come FREE by mail (*not express*), without limit of weight, according to rulings of the Post Office Department. Books must be printed from type set or plates made in the United States; photographs from negatives made in the United States; chromos and lithographs from drawings on stone or transfers therefrom made in the United States.

Penalty.

Without the deposit of copies above required the copyright is void, and a penalty of $25 is incurred. No copy is required to be deposited elsewhere.

New editions.

The law requires one copy of each new edition, wherein any substantial changes are made, to be deposited with the Librarian of Congress.

Notice of copyright to be given by imprint.

Claimant's name to be printed.

4. No copyright is valid unless notice is given by inserting in every copy published, on the title page or the page following, if it be a book; or if a map, chart, musical composition, print, cut, engraving, photograph, painting, drawing, chromo, statue, statuary or model or design intended to be perfected as a work of the fine arts, by inscribing upon some portion thereof, or on the substance on which the same is mounted, the following words, viz.: "*Entered according to Act of Congress, in the year——, by——, in the office of the Librarian of Congress, at Washington,*" or, at the option of the person entering the copyright, the words: "*Copyright, 18—, by*————————."

Penalty for false claim.

The law imposes a penalty of $100 upon any person who has not obtained copyright who shall insert the notice "*Entered according to Act of Congress,*" or "*Copyright,*" etc., or words of the same import, in or upon any book or other article.

Translations and dramas.

5. The copyright law secures to authors and their assigns the exclusive right to translate or to dramatize any of their works; no notice or record is required to enforce this right.

Duration of copyright.

Renewals.

6. The original term of copyright runs for twenty-eight years. *Within six months before* the end of that time, the author or designer, or his widow or children, may secure a renewal for the further term of fourteen years, making forty-two years in all. Applications for renewal must be accompanied by a printed title and fee, and by explicit statement of ownership in the case of the author, or of relationship in the case of his heirs, and must state definitely the date and place of entry of the original copyright. Within two months from date of renewal the record thereof must be advertised in an American newspaper for four weeks.

Time of publication.

7. The time of publication is not limited by any law or regulation, but the courts have held that it should take place within a reasonable time. A copyright may be secured for a projected as well as for a completed work; but the law provides for no *caveat* or notice of interference—only for actual entry of title.

Assignments.

8. Copyrights are assignable by any instrument of writing. Such assignment, to be valid, is to be recorded in the office of the Librarian of Congress within sixty days from execution. The fee for this record and certificate is $1, and for a certified copy of any record of assignment $1.

Copies or duplicate certificates.

9. A copy of the record (or duplicate certificate) of any copyright entry will be furnished, under seal of the office, at the rate of 50 cents each.

Serials or separate publications.

10. In the case of books published in more than one volume, or of periodicals published in numbers, or of engravings, photographs or other articles published with variations, a copyright must be entered for each volume or part of a book, or number of a periodical, or variety, as to style, title or inscription, of any other article. To *complete* the copyright on a book published serially in a periodical, two copies of each serial part, as well as of the complete work (if published separately), should be deposited.

Copyright for works of art.

11. To secure copyright for a painting, statue or model or design intended to be perfected as a work of the fine arts, a definite title and description must accompany the application for copyright, and a mounted photograph of the same, as large as "cabinet size," mailed to the Librarian of Congress not later than the day of publication of the work or design.

Fine arts.

The fine arts, for copyright purposes, include only painting and sculpture, and articles of merely ornamental and decorative art should be sent to the Patent Office, as subjects for design patents.

No labels or names copyrighted.

12. Copyrights cannot be granted upon trade-marks, nor upon names of companies, libraries or articles, nor upon an idea or device, nor upon prints or labels intended to be used for any article of manufacture. If protection for such names or labels is desired, application must be made to the Patent Office, where they are registered, if admitted, at a fee of $6 for labels and $25 for trade-marks.

Foreign or international copyright.

Fees.

13. The provisions as to copyright entry in the United States by foreign authors, etc., by Act of Congress approved March 3, 1891 (which took effect July 1, 1891), are the same as the foregoing, except as to productions of persons not citizens or residents, which must cover return postages, and are $1 for entry, or $1.50 for entry and certificate of entry (equivalent to 4*s*. 5*d*. or 6*s*. 7*d*.). All publications must be delivered to the Librarian at Washington free of charge. The free penalty-labels cannot be used outside of the United States.

The right of citizens or subjects of a foreign nation to copyright in the United States extends by Presidential proclamations to Great Britain, France, Belgium, Switzerland, Germany, Italy, Denmark and Portugal.

Full name of proprietor required.

14. Every applicant for a copyright should state distinctly the full name and residence of the claimant, and whether the right is claimed as author, designer or proprietor. No affidavit or witness to the application is required.

IMPOSITION OF FORMS.

HINTS ON IMPOSITION: A Hand-book for Printers. By T. B. Williams. Leather, 90 pp., $1.00. For sale at all Branches of the American Type Founders' Company, and recommended to all who desire the fullest information concerning the imposition of forms.

The make-up should learn to use the measuring rule or tape measure and dividers. They are more convenient to measure with than paper, and their use is regarded as evidence of knowledge of the imposition of book forms. The dividers will enable the make-up to verify his measurements quickly. Printers' dividers cost 85 cents.

Ascertain what furniture will be required for the margins of a book form before placing it upon the stone. Time will be saved, and the work will have the appearance of order and neatness.

After a book form is imposed, tighten the quoins, and ascertain by means of a straight-edge or square if the pages are of equal length and the head lines or bottom folios are exactly in line. The folios are usually the guides for hand-folding and should receive great attention, otherwise the binder will not secure good register. For the same reason, folios should all be set exactly in the middle of the width of the page.

After a book form has been locked up, it should be tested for squareness with a square. Forms are liable to get twisted or bowed in locking up, especially if the chase is weak. This defect can usually be remedied by loosening the quoins on one side and tightening them on the opposite side.

MARGINS.

The proper allowances for head and back margins are matters of judgment and preference to a great degree.

The head and foot margins of a *trimmed* book are usually of equal proportions, but, as the binder will almost invariably find it necessary to cut off more paper from the foot than from the head, the make-up must make sufficient allowance for this extra trim.

When the pages have running heads one-third or less shorter than the width of the page, one-half of the space occupied by the running head should be thrown into the head margin, because the white around the running head is to be considered as part of the head margin. If a folio only is used over a page, the head margin is to be calculated from the top line of the page.

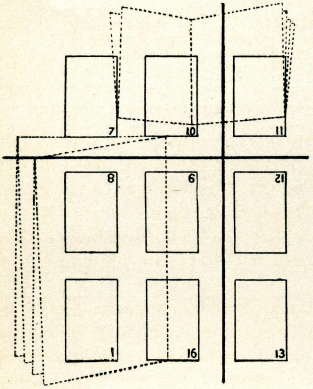
The make-up must know whether a book is to be wire-stitched through the back or sewed through the fold. If wire-stitched through the back, an extra allowance *additional* to the back margin required must be made a little in excess of the space used by the wire. This space varies according to thickness of the book, but is rarely less than three-sixteenths of an inch on *each side* of the back margin, or three-eighths of an inch in the back gutters.

In forms of 32 pages or more it is advisable, where it is possible, to impose the pages so that the sheet may be cut and folded in signatures of half the number of pages, especially when the paper is heavy; but if the form is imposed to fold as one complete signature then it is advisable to deduct enough from the back margin of the inner sections to equal the extra space taken up by the fold of the outside sections.

In imposing forms of 12 or 24 pages, great care must be taken to get the foot and head margins of the inset to be folded in exactly right, and the head and foot margins in such forms should be as evenly divided as possible. More accurate register is obtained when the inset is cut off and folded separately.

TESTING MARGINS.

After the proper head and back margins have been decided on, and the pages arranged to conform to them, the form should be tested to ascertain if the foot and front margins are correct. The method is illustrated in the accompanying diagram of a section of a 16-page form. Fold a sheet to quarter of the size of the untrimmed paper to be used. The distance from the foot of page 16 to the foot of page 10 must agree with the length of the quarter sheet (as indicated by the dotted line), and the distance from the back edge of page 7 to the back edge of page 11 must correspond with the width of the quarter sheet. This test can be made just as well by using a measuring rule or tape, in which case, if the quarter sheet were twelve inches wide by eighteen inches long, the distance from the front edge of page 12 to the front edge of page 8 must be exactly twelve inches, and the distance from the foot of page 7 to the foot of page 1 must be exactly eighteen inches.



GRIPPER MARGINS.

As applied to book forms, the space between the type and the outer edge of the chase at the gripper side is the gripper margin. A gauge showing the gripper margin of each press should be obtained from the pressman. When the paper is placed in its correct position on the type form, the distance between the edge of the paper and the edge of chase should be at least half an inch less than the gripper margin, to permit the pressman to move his form into a suitable place. To make a proper allowance for gripper margin, it is often necessary to place more furniture in the foot margins on the side of the long cross-bar next the gripper than on the other side. The lowest folio of a form should be placed next the gripper edge.

CORRECT IMPOSITION OF LENGTHWISE CUTS AND TABLES.

The correct rule is that lengthwise tables and cuts shall always read from the foot of page. When a lengthwise cut or table is on one page and the explanatory or descriptive matter on the opposite page, then the cut or table should, if possible, be placed on the page with the even folio.

TESTS OF CORRECT IMPOSITION.

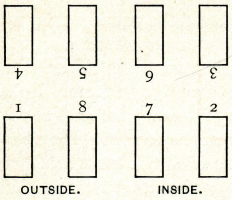
As a general rule, except where for convenience in folding, certain forms are imposed from the center, the lowest (first) folio of a form is placed on the lower left-hand corner. All odd folios are always at the left-hand of the make-up, as viewed from the foot.

The odd and even folios of pages which are side by side in a correctly imposed regular form will, when added together, form a total of one more than the number of pages in a signature. The first and last pages of a signature are always placed side by side—as, for instance, in a 16-page form, where folios 1 and 16 equal seventeen.

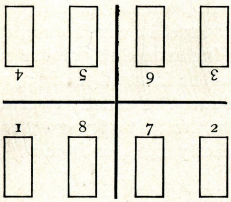
PRESS POINTS.

These are used in forms that are imposed for books, the sections of which are folded by machines. In 16-page forms these points are usually placed exactly 15 inches apart—7½ inches each way from the center of the first fold. The sheets are fed into the folding machine by the point holes to insure register, and the points should be placed exactly in accordance with the instructions of the bookbinder.

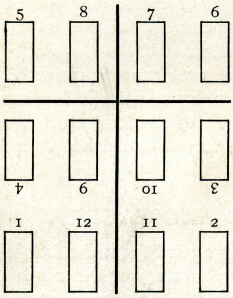
EIGHTS, IN TWO FORMS.



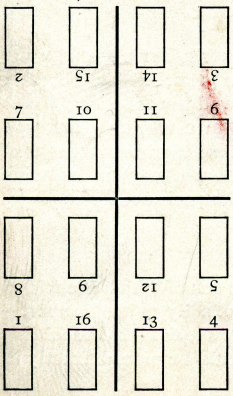
EIGHTS, WORK AND TURN.



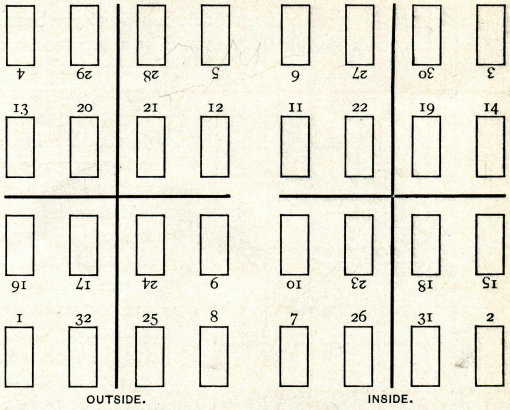
TWELVE, WITHOUT CUTTING.



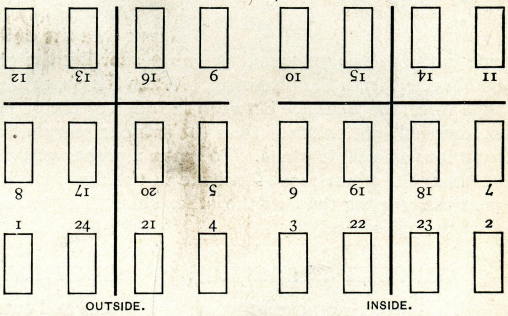
SIXTEEN, WORK AND TURN.



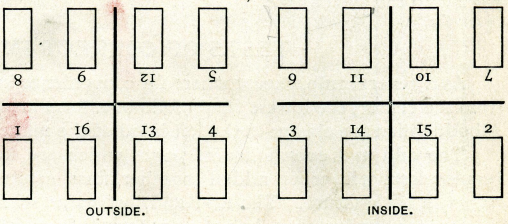
THIRTY-TWO PAGES, IN TWO FORMS.



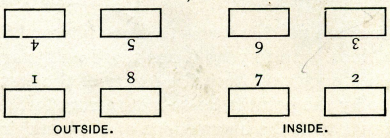
TWENTY-FOUR PAGES, IN TWO FORMS.



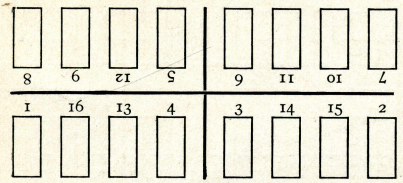
SIXTEEN PAGES, IN TWO FORMS.



BROAD EIGHTS, IN TWO FORMS.

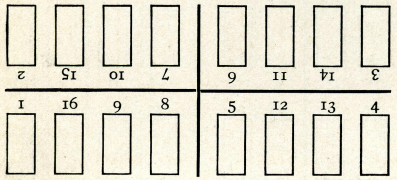


SIXTEEN PAGES, DEEP WAY.

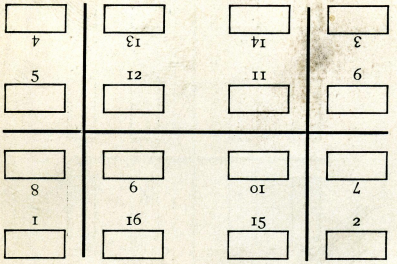


SIXTEEN PAGES, DEEP WAY.

For booklets. Paper should be trimmed before printing.

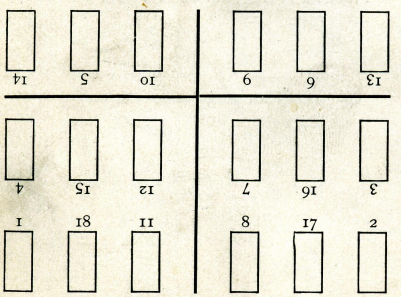


SIXTEEN PAGES, BROAD WAY, IN TWO FORMS.



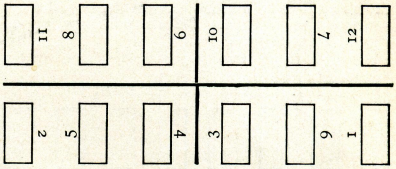
EIGHTEEN PAGES.

When the first side is worked off, transpose pages 11 and 8 in place of 7 and 12, and 7 and 12 in place of 11 and 8.



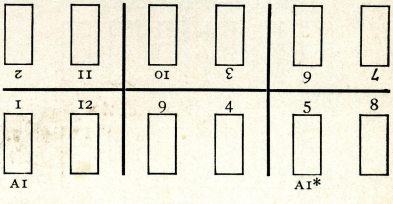
TWELVE PAGES, BROAD WAY.

In this form pages 3, 4, 9 and 10 are folded in. May frequently be used to advantage on booklets and catalogues.

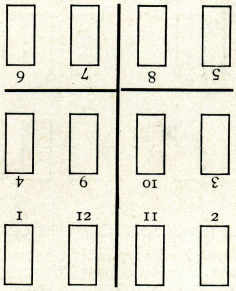


TWELVE PAGES, DEEP WAY.

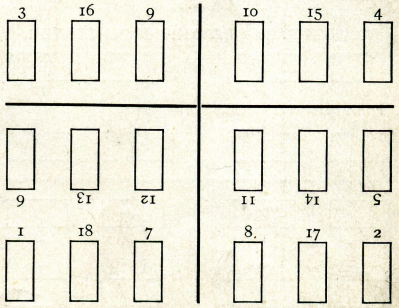
This method is convenient only for deep pages, such as an odd-sized booklet, and the same size of paper used on the two regular forms for twelve pages may be used. Paper should be trimmed.



TWELVE PAGES, WITH OFF-CUT.



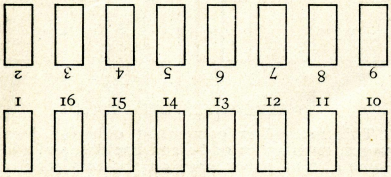
EIGHTEEN PAGES, WITHOUT TRANSPOSITION.



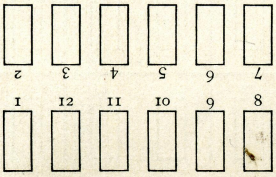
IMPOSITION OF FOLDERS.

The margins of folders are usually equal all around each page, and consequently accuracy in make-up and imposition is necessary. When the sheet is to be backed, turn it the broad way, toward the folio 2. Before printing, paper should be trimmed.

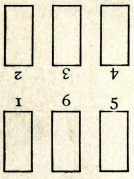
SIXTEEN-PAGE FOLDER.



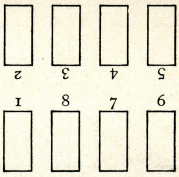
TWELVE-PAGE FOLDER.



SIX-PAGE FOLDER.



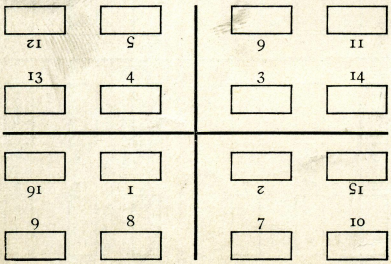
EIGHT-PAGE FOLDER.



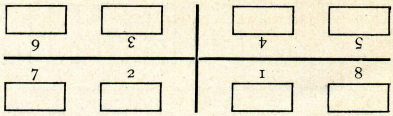
FORMS IMPOSED FROM THE CENTER.

This method of imposition is preferable in forms containing title page, copyright notice and other introductory pages with very little matter in them, as it brings the full pages outside, where they serve as bearers and often prevent slurring.

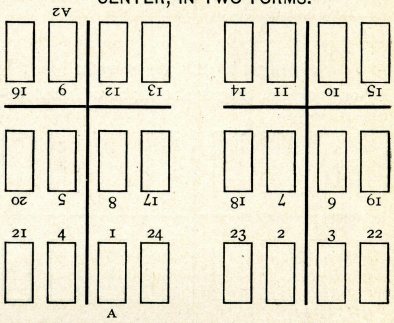
SIXTEEN PAGES, IMPOSED FROM CENTER.



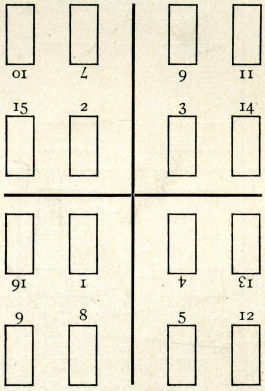
EIGHT PAGES, IMPOSED FROM CENTER.



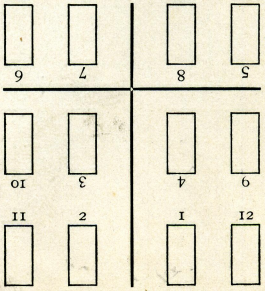
TWENTY FOUR PAGES, IMPOSED FROM THE CENTER, IN TWO FORMS.



SIXTEEN PAGES, IMPOSED FROM CENTER.

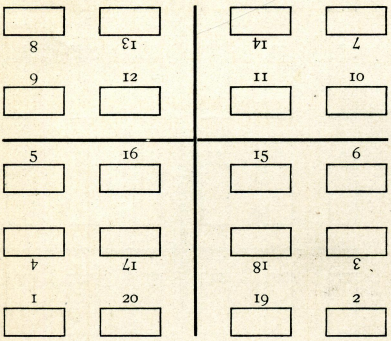


TWELVE PAGES, IMPOSED FROM CENTER.



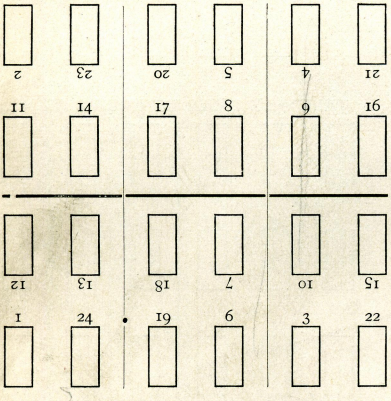
TWENTY PAGES.

Printed on double demy or double royal. This method makes a square page, suitable for booklets, where oddity is looked for.

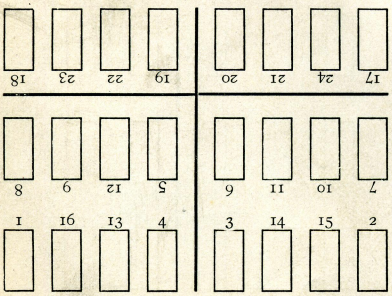


TWENTY-FOUR PAGES, DEEP WAY.

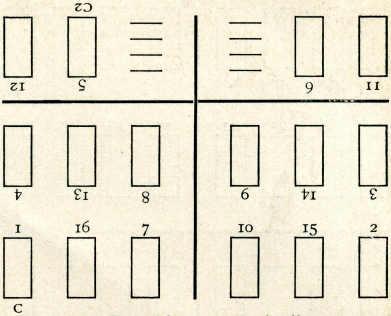
A very satisfactory form, in common use for pamphlets. Careful division of the margins is necessary, the pressman allotting the exact margin to the edge of the sheet to be folded in. Points placed as shown will assist the binder, and should be removed before backing the sheet.



TWENTY-FOUR PAGES, WITHOUT INSET.

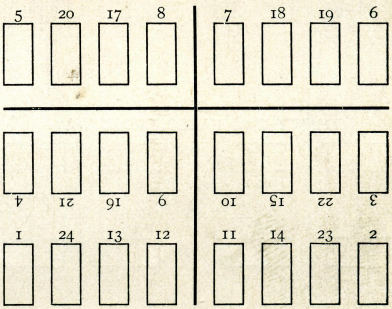


EIGHTEEN PAGES, TWO OF WHICH ARE BLANK.

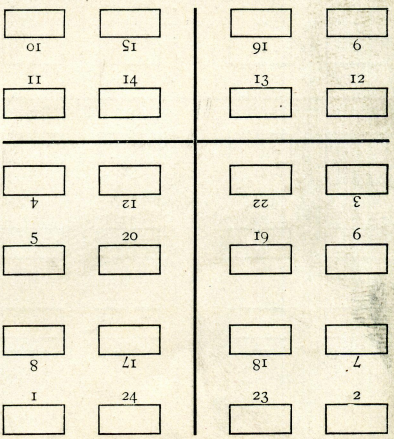


When the first side is worked off, transpose pages 7 and 10 in place of 9 and 8, and pages 9 and 8 in place of 7 and 10.

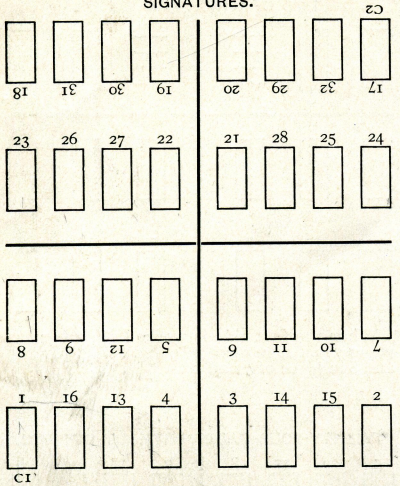
TWENTY-FOUR PAGES, WITHOUT CUTTING.



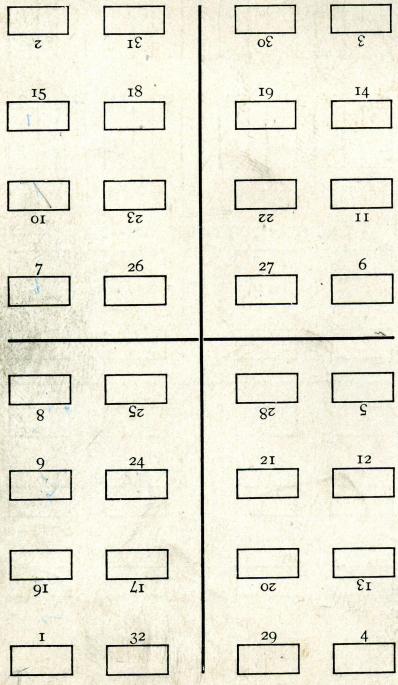
TWENTY-FOUR PAGES, BROAD WAY.



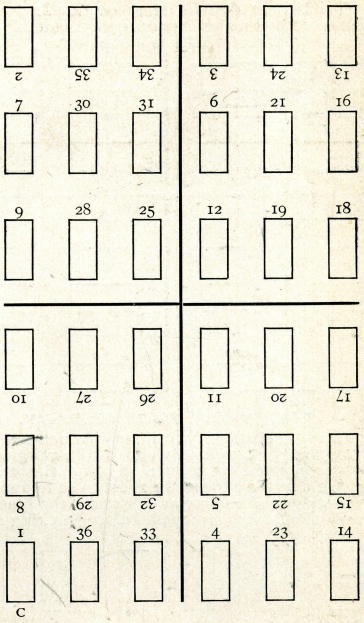
THIRTY-TWO PAGES, WITH TWO SIGNATURES.



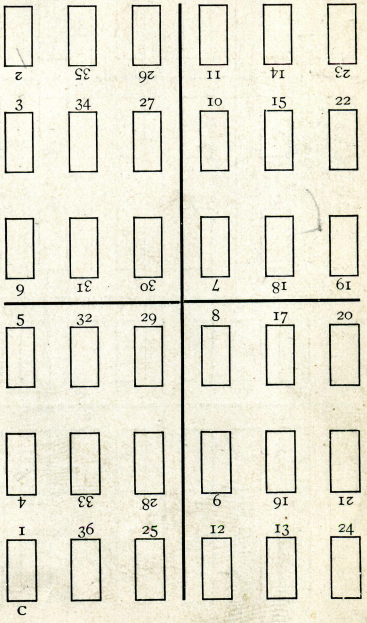
THIRTY-TWO PAGES, BROAD WAY.



THIRTY-SIX PAGES.

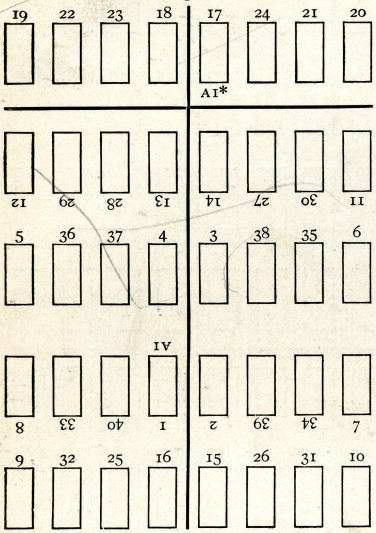


THIRTY-SIX PAGES, WITHOUT CUTTING.



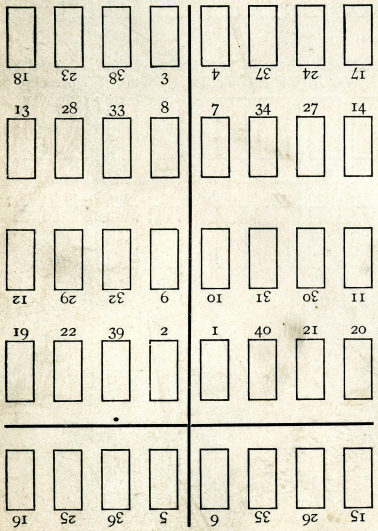
FORTY PAGES, WITH TWO SIGNATURES.

The larger signature folds same as a 32-page form. The smaller signature is an inset.



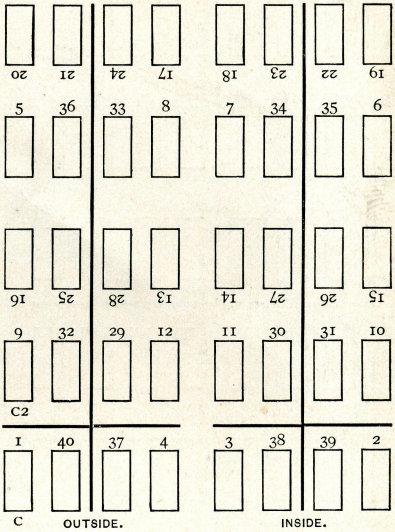
FORTY PAGES, ONE SIGNATURE.

The paper must be trimmed at ends before printing. A point should be placed where shown, about $\frac{1}{32}$-inch from the fold, encroaching on main section of form—the pressman to deduct this space from the edge of sheet, which is folded toward the form. The division of margin must be accurate, especially at head and foot of pages.

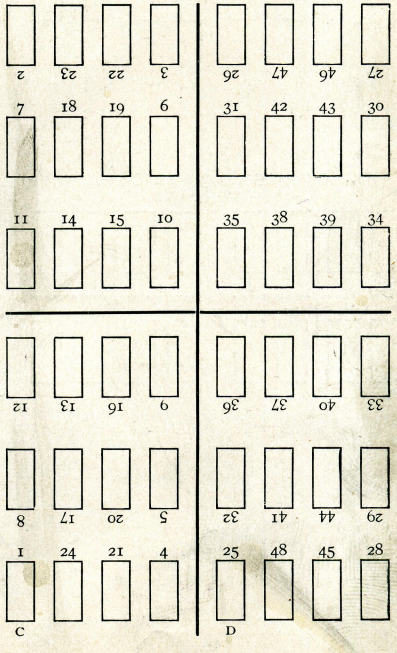


FORTY PAGES, WITH TWO SIGNATURES.

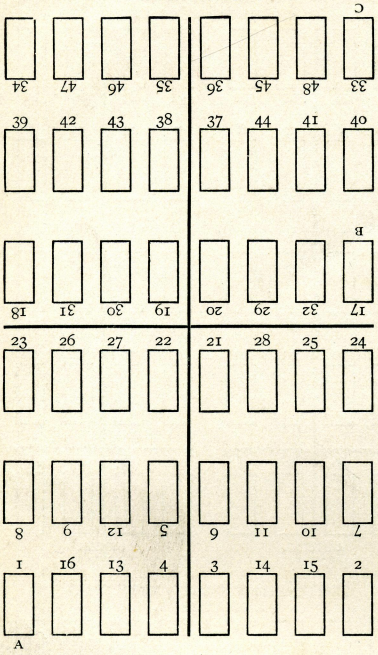
In this form there is an outset of pages, 1, 2, 3, 4, 37, 38, 39, 40, instead of an inset.



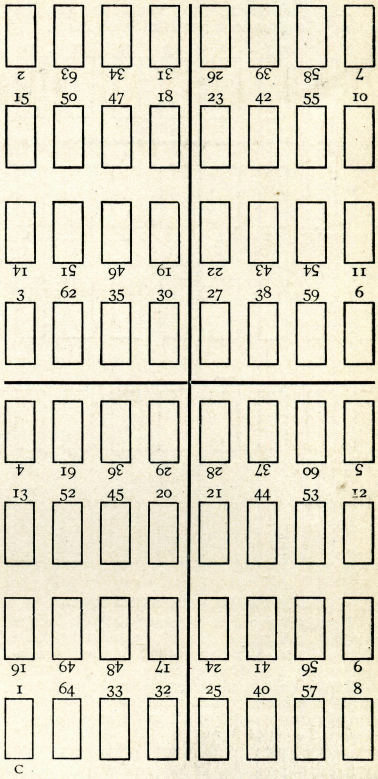
FORTY-EIGHT PAGES, WITH TWO SIGNATURES.



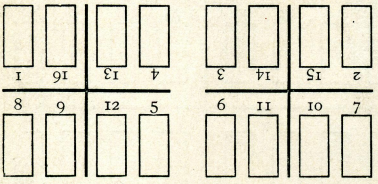
FORTY-EIGHT PAGES, WITH THREE SIGNATURES.



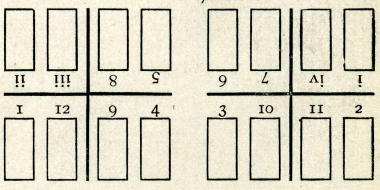
SIXTY-FOUR PAGES IN ONE SIGNATURE.



SIXTEEN PAGES, FOR HEBREW WORK, IN TWO FORMS.



SIXTEEN PAGES, TWELVE OF ONE JOB AND FOUR OF ANOTHER, IN TWO FORMS.



PRICE LIST OF PRINTING AND BINDING:

A GUIDE FOR CHARGING.

Compiled by DAVID RAMALEY, St. Paul, Minn.

Copyrighted by David Ramaley, 1896.

The object of this publication is to unify prices, and to form a basis for agreements among printers in figuring on competitive work. The prices given are supposed to be fifty per cent. above the actual labor and material cost of the work, with ordinary conditions. The variable factor of general expense is only figured in the labor expense, because the paper or other stock used has a special expense of cutting and counting and handling equal to the proportion of general expense charge. *Twenty per cent. off from these prices will not leave twenty per cent. profit in all cases*, because sharp competition has forced down the prices of many kinds of commercial printing. A discount of twenty per cent. from the prices, in a general way, is supposed to leave twenty per cent. profit, but the factor of general expense must be considered.

INDEX TO RAMALEY'S PRICE LIST.

	PAGE
Abstracts of title	214
Advertising matter	210, 214
Advertising programmes	214
Alterations	210
Announcements, printed or engraved	214
Ball and dance programmes	220, 221
Bank printing	228
Basis for figuring value of paper	212
Beer, milk or restaurant tickets	224
Bill heads and monthly statements	222
Bills of fare	224
Binding, blank books	234
Binding, books, magazines and newspapers	236
Binding, job work	235
Binding, pamphlets	235
Blank books with stubs	232
Blank books	229
Blanks, ruled and printed	228
Blotting pads	221
Bonds and coupons	228
Booklets	214
Briefs and paper books	215
Bronze work	211
By-laws	214
Card scale	218, 219
Cards, business	219, 220
Cards, large or show	221
Checks in book	227
Circulars, half note	217
Circulars, folded note (1 to 4 pages)	216
Circulars, quarter folio or letter	216
Commission sales accounts	234
Composition	210, 211
Constitutions	214
Debit and credit slips	227
Delegate or nomination tickets	215
Deposit books, bankers	229
Deposit tickets	227
Drafts	227
Dodgers and hand bills	215
Engraved cards, invitations	220
Envelopes	225
Envelopes, sizes of	213
Envelopes, tag, clasp, and stamped	225
Guard or plat books	234
Hand bills or cheap circulars	215
Hotel registers	226
Invitations, social and wedding	220
Letter heads	223
Note heads and memorandums	224
Numbering and perforating	234
Paper, value of	212
Paper, sizes of	213
Perforating and numbering	234
Postal cards and stamped envelopes	226
Posters and show bills	215, 221
Presswork	211
Programmes, dance and entertainment	221
Ruling on blank forms	234
Restaurant bills-of-fare	224
Shipping tags	226
Sizes of flat writing paper	213
Sizes of ruled paper	213
Sizes of untrimmed leaf	213
Stamped envelopes	226
Standing type	210
Statements, monthly	222, 223
Tags	226
Time work	210
Value of paper	212
Visiting and wedding cards	220
Wedding stationery	220

SAFE BASIS ON WHICH TO DO A PROFITABLE BUSINESS.

[*Adapted from the Code of Ethics of the United Typothetæ of America.*]

The expense of doing business, such as the wear and tear of material, interest on money invested, bad debts, rents, taxes, insurance, book-keeping, and all other items of expense, should be ever before our eyes, and we should never forget that these must be as surely levied on each particular job as its labor costs.

Always have the courage to ask for a fair remuneration for any work offered, resting assured that it will be more profitable to be without a job than to secure one in which there is a temptation to resort to questionable methods in order to avoid a financial loss in its execution.

A master printer should always contend that he is entitled, when asked for an estimate, to know the names of all who are to be requested to bid on the work. He should also insist upon his right, if he desires it, to know all the prices offered for the work and to whom and at what price it was awarded.

A master printer should not make estimates for work that he cannot do. It is always unsafe and often unjust to give prices upon a class of work upon which the cost is not positively known and has to be guessed at.

Estimates calling for detailed specifications of separate value of the paper, composition, electrotyping, presswork, ruling, binding, etc., should always be refused.

EXPLANATORY.

The prices under the several divisions of each list, such as "100," "250," 1000," include all regular charges for labor and material to the customer unless otherwise stated, and when there is a variable factor in such prices the amount estimated for such variable factor is quoted, so that the printer can readily adjust the price in accordance with the conditions governing the work. For instance, on page 214, in Advertising Programmes, the variable factor is composition. The price for 100 4-page Advertising Programmes on 22×32 quarto print paper is $18.25, on the basis of 8-point composition, in which amount is *included* a charge of $17.20, for composition at $4.30 per page. Now, if composition should be based on 10 Point, *deduct* the difference in cost, and if on 6 Point, *add* the difference. In other instances the variable factor is the cost of paper.

We figure composition at 70c. per 1000 in all work, including locking up or making up, and at 60c. per hour for time work.

Paper is included in these prices at an average advance of 50 per cent. on cost, unless othewise stated; but this includes storage, handling, wastage and cutting—items that are never paid for if the printer only adds 10 or 15 per cent. to cost of paper.

COMPOSITION.

To be figured at 70c. per 1000 ems, and time work 60c. an hour.

Alterations to be figured separately from composition, and charged at the hour rate.

Open Advertising Matter on newspapers or programmes to be measured as 8 Point.

Standing Type, 1c. per square inch per month.

COMPOSITION VALUES ON MISCELLANEOUS FORMS.

	4 TO SHEET CAP 33 SQ. IN.	4 TO SHEET FOLIO 60 SQ. IN.	4 TO SHEET ROYAL 70 SQ. IN.
Open blanks	$0.75	$1.00	$1.25
Open blanks and down rules	1.20	2.00	2.50
Labels, open	1.20	2.15	2.50
Six Point	3.30	5.80	7.00
Eight Point	1.85	3.30	4.00
Ten Point	1.20	2.15	2.50
Twelve Point	.85	1.50	1.75

COMPOSITION VALUES—Continued.

	8 TO SHEET CAP 15 SQ. IN.	8 TO SHEET FOLIO 25 SQ. IN.	8 TO SHEET ROYAL 32 SQ. IN.
Open blanks	$0.60	$0.75	$1.00
Open blanks and down rules	1.00	1.50	1.80
Labels, open	1.00	1.50	1.80
Six Point	1.50	2.50	3.20
Eight Point	1.00	1.50	1.80
Ten Point	.70	1.00	1.20
Twelve Point	.50	.75	.85

	12 TO SHEET CAP 10 SQ. IN.	12 TO SHEET FOLIO 20 SQ. IN.	12 TO SHEET ROYAL 25 SQ. IN.
Open blanks	$0.50	$0.75	$0.75
Open blanks and down rules	.75	1.20	1.50
Labels	.75	1.20	1.50
Six Point	1.00	2.00	2.50
Eight Point	.75	1.20	1.50
Ten Point	.50	.75	1.00
Twelve Point	.50	.60	.70

	16 TO SHEET CAP 12 SQ. IN.	16 TO SHEET FOLIO 18 SQ. IN.	16 TO SHEET ROYAL 22 SQ. IN.
Open blanks	$0.50	$0.75	$0.75
Open blanks and down rules	.75	1.00	1.25
Labels	.75	1.00	1.25
Six Point	1.30	1.60	2.25
Eight Point	.75	1.00	1.25
Ten Point	.50	.65	.85
Twelve Point	.50	.60	.70

Compare figures with time; estimates to include lock-up.

PRESSWORK.

The value of presswork is a difficult problem, because there are so many different grades of work. The prices in the following tables represent the value of good work. Since the introduction of plated papers and half-tone work rates may not be large enough for the best service, but on the average of work in an office the figures ought to be considered as fair and reasonable.

Flat papers,	100	250	500	1000	ADDED 100
Double medium	$1.75	$2.10	$2.60	$3.50	$0.18
Double cap	1.50	1.75	2.10	2.85	.13
Folio post	1.00	1.30	1.60	2.35	.13
Flat cap	1.00	1.30	1.60	2.35	.13
Half folio	1.00	1.30	1.60	2.35	.13
Half cap	.75	.90	1.15	1.65	.08
Quarter folio, long form	1.00	1.30	1.60	2.35	.13
Quarter folio, regular	.75	.90	1.15	1.65	.08
Quarter cap	.75	.90	1.15	1.65	.08
Smaller sizes	.60	.75	.90	1.30	.06
Print and cheap book.					
38×50	2.00	2.50	3.00	4.50	.28
36×48	2.00	2.50	3.00	4.25	.26
32×44	2.00	2.50	3.00	4.00	.24
28×42	2.00	2.50	3.00	3.50	.22
25×38	1.75	2.25	2.75	3.00	.18
22×32	1.75	2.25	2.75	3.00	.15
Medium and folios	1.00	1.30	1.60	2.35	.13
Half folio and caps	1.00	1.30	1.60	2.35	.10
Half cap and quarter folios	.75	.90	1.15	1.65	.08
Bookwork.					
38×50	2.50	3.00	3.75	5.00	.30
36×48	2.50	3.00	3.75	4.75	.28
32×44	2.50	3.00	3.50	4.50	.25
28×42	2.50	3.00	3.50	4.00	.23
25×38	2.00	2.50	3.00	3.50	.20
22×32	2.00	2.40	2.75	3.25	.17
19×25	1.50	2.00	2.50	3.00	.14

Half-tone work on highly finished or plated papers add 25 per cent. to book-work scale.

Bronze work, double presswork.

BASIS FOR FIGURING VALUE OF PAPER.

The basis for figuring the value of paper will be 50 per cent. on the cost price. This price is to include the proportionate cost of general expense and handling in every way—the opening, cutting, and repacking and waste.

Unless there is a special determination by the customer as to the quality of papers, figures will be based on grades of book and writing papers as follows:

Print paper, 2¾c., to be figured at 4½
Colored print, 4c., to be figured at 6
Common book, 4c., to be figured at 6
S. & C. book, 4½c., to be figured at 7
S. & S. C. book, 5c., to be figured at 7½
Plated book, 8c., to be figured at 12
Manilla, 4¾c., to be figured at 6½
Engine sized, 7c., to be figured at 11
Tub sized, 11c., to be figured at 18
Water marked, 13c., to be figured at 20
Linen, 14c., to be figured at 21
Fine linen, 16c., to be figured at 24
Superfine linen, 18c., to be figured at 27
Pure linen, 21c., to be figured at 30
Crane's linens, 24c., to be figured at 35

PRINTERS' VALUE OF 1000 SHEETS PAPER OF THE WEIGHT DESIGNATED AT TOP OF COLUMN.

The basis for figuring the value of paper is 50 per cent. on the cost price.

	12-LB.	14-LB.	16-LB.	18-LB.	20-LB.	22-LB.
Costing $0.02 per lb.	$0.75	$0.87	$1.00	$1.13	$1.25	$1.38
Costing .02½ per lb.	.94	1.09	1.25	1.41	1.57	1.73
Costing .03 per lb.	1.13	1.32	1.50	1.69	1.88	2.07
Costing .03½ per lb.	1.32	1.54	1.75	1.97	2.19	2.42
Costing .04 per lb.	1.50	1.75	2.00	2.25	2.50	2.75
Costing .05 per lb.	1.88	2.18	2.50	2.82	3.13	3.45
Costing .05½ per lb.	2.06	2.41	2.75	3.10	3.44	3.78
Costing .06 per lb.	2.25	2.63	3.00	3.38	3.75	4.13
Costing .06½ per lb.	2.44	2.85	3.25	3.66	4.07	4.47
Costing .07 per lb.	2.63	3.07	3.50	3.94	4.38	4.81
Costing .07½ per lb.	2.81	3.27	3.75	4.22	4.69	5.18
Costing .08 per lb.	3.00	3.50	4.00	4.50	5.00	5.50
Costing .08½ per lb.	3.19	3.72	4.25	4.78	5.31	5.84
Costing .09 per lb.	3.38	3.94	4.50	5.06	5.63	6.19
Costing .09½ per lb.	3.56	4.15	4.75	5.34	5.94	6.53
Costing .10 per lb.	3.75	4.35	5.00	5.63	6.25	6.90
Costing .10½ per lb.	3.94	4.60	5.25	5.90	6.57	7.22
Costing .11 per lb.	4.12	4.81	5.50	6.19	6.88	7.56
Costing .11½ per lb.	4.32	5.04	5.75	6.48	7.20	7.92
Costing .12 per lb.	4.50	5.25	6.00	6.75	7.50	8.25
Costing .12½ per lb.	4.68	5.46	6.25	7.02	7.80	8.58
Costing .13 per lb.	4.88	5.70	6.50	7.32	8.13	8.94
Costing .14 per lb.	5.25	6.13	7.00	7.88	8.75	9.62
Costing .15 per lb.	5.62	6.53	7.50	8.44	9.38	10.35
Costing .16 per lb.	6.00	7.00	8.00	9.00	10.00	11.00
Costing .17 per lb.	6.38	7.44	8.50	9.56	10.62	11.68
Costing .18 per lb.	6.75	7.88	9.00	10.12	11.25	12.38
Costing .19 per lb.	7.12	8.30	9.50	10.68	11.88	13.06
Costing .20 per lb.	7.50	8.70	10.00	11.25	12.50	13.80
Costing .21 per lb.	7.88	9.20	10.50	11.80	13.14	14.44
Costing .22 per lb.	8.24	9.62	11.00	12.38	13.75	15.12
Costing .23 per lb.	8.64	10.08	11.50	12.96	14.40	15.84
Costing .24 per lb.	9.00	10.50	12.00	13.50	15.00	16.50
Costing .25 per lb.	9.36	10.92	12.50	14.04	15.60	17.16

For other weights combine or divide the figures.

American linen and similar grades: 14-lb., $9.80; 16-lb., $11.20; 18-lb., $12.60; 20-lb., $14.00.

Crane Bros'. all linen and similar goods, 500 sheets to ream: 16-lb., $11.20; 20-lb., $14.00; 24-lb., $16.80.

Japanese linen and similar goods, 480 sheets to ream: 20-lb., $14.00; 24-lb., $17.30; 28-lb., $18.80.

Ledger papers, per 100 sheets (Weston or Brown).

Demy, 28-lb., $2.15; 30-lb., $2.40.
Medium, 36-lb., $3.00; 40-lb., $3.50.
Double cap, 36-lb., $2.50; 40-lb., $2.80.
Royal, 44-lb., $3.70. Super royal, 54-lb., $5.00.
Double demy, 56-lb., $4.25.
Double medium, 72-lb., $6.00; 80-lb., $7.00.

SIZES OF FLAT WRITING PAPER.

Flat Letter	10×16
Flat Packet or Packet Post	12×19
Flat Foolscap or Small Cap	13×16
Flat Cap	14×17
Crown or Crown Cap	15×19
Double Letter	16×20
Demy	16×21
Folio Post or Folio	17×22
Double Folio	22×34
Double Cap	17×28
Small Double Cap	16×26
Royal, Double Packet or Packet Folio	19×24
Super Royal	20×28
Double Demy, narrow	16×42
Double Demy, broad	21×32
Elephant	23×28
Medium	18×23
Imperial	23×31
Double Medium, narrow	18×46
Double Medium, broad	23×36
Double Royal	24×38
Double Elephant	27×40
Columbier	23×34
Atlas	26×33
Antiquarian	31×53
Cardboard	22×28

SIZES OF RULED PAPER.

	INCHES.	SHEET.
Commercial Note Heads	5½×8½	⅛ Folio
Hotel Note Heads	5⅔×11	⅙ Folio
Packet Note Heads	5¾×9	⅛ Medium
Royal Packet Note Heads	6×9½	⅛ Royal
Demy Letter Heads	8×10½	¼ Demy
Folio Letter Heads	8½×11	¼ Folio
Memorandum Heads	5½×8½	⅛ Folio
Bill Heads—Sixes, 3000 to Ream	8½×4⅔	⅙ Cap
Bill Heads—Quarters, 2000 to Ream	8½×7	¼ Cap
Bill Heads—Thirds, 1500 to Ream	8½×9⅓	⅓ D. Cap
Bill Heads—Halves, 1000 to Ream	8½×14	½ Cap
Regular Statements	5½×8½	⅛ Folio
Hotel Statements	5⅔×11	⅙ Folio
Head and Tail Statements	5½×8½	⅛ Folio
Gem Statements	3⅜×5⅝	
Infant Statements	4⅛×5½	
Square Statements	5½×5⅝	
Yankee Statements	3⅜×8½	

REGULAR ENVELOPE SIZES.

BANK.

No. 6	4⅛×6¼
" 7	4 5/16×7⅛
" 8	5×7½

BARONIAL.

No. 4	3⅝×4 1/16
" 5	4 5/16×5 5/16

COMMERCIAL.

No. 3	2 1/16×4¾
" 4	2⅞×5¼
" 5	3⅛×5½
" 6	3½×6
" 6¾	3⅝×6½
" 7	3¾×6 3/16
No. 9	3 1/16×8⅞
" 10	4⅛×9½
" 11	4½×10⅜
" 12	4¾×11
" 14	5×11½

COIN.

OPEN END.

No. 3	2½×4¼
" 5	2⅞×5¼
" 7	3⅛×5½

DRUG.

No. 1	1¾×2⅞
" 2	2 1/16×3½
" 3	2 5/16×3⅝

PAMPHLET.

No. 2	6½×10
" 3	6¾×10½

PAY.

No. 2	2 9/16×4 5/16

PHOTOGRAPH.

OPEN END.

Cabinet	4 1/16×7¼
Wide Imperial Cabinet	5⅜×7½

PORTFOLIO.

No. 1	5½×8⅝
" 2	6¼×8⅝
" 3	6 1/16×9 9/16

SIZES OF THE UNTRIMMED LEAF.

Folio	12×19	inches
Quarto, 4 to	9½×12	"
Imperial 8 vo or 8° ((octavo)	8¼×11½	"
Super Royal 8 vo or 8° (octavo)	7×11	"
Royal 8 vo or 8° (octavo)	6½×10	"
Medium 8 vo or 8° (octavo)	6×9½	"
Demy 8 vo or 8° (octavo)	5½×8½	"
Medium 12 mo or 12° (duodecimo)	5⅛×7⅜	"
Medium 16 mo or 16° (sextodecimo)	4½×6¾	"
Cap 8 vo or 8° (octavo)	4¼×7	"
Medium 18 mo or 18° (octodecimo)	4×6⅓	"
Super Royal 32mo (tricesimo secundo)	3½×5½	"

ADVERTISING PROGRAMMES.

Composition on advertising programmes is properly rated as 8 Point, and if the programme itself is set in 6 Point an extra charge should be made of $1.00.

Folding not included in following figures.

	PRINT PAPER.	BOOK PAPER.
Four Pages—Quarter sheet of 22 x 32.		
100 copies, 13 ems, 3 columns to page, composition, per page, $4.30	$18.25	$18.30
Added 100 copies	.26	.31
Added 1,000 copies	2.50	3.00
Four Pages—Quarter sheet of 24 x 36.		
100 copies, 15 ems, 3 columns to page, composition, per page, $5.60	23.50	23.60
Added 100 copies	.27	.32
Added 1,000 copies	2.60	3.10
Four Pages—Quarter sheet of 25 x 38.		
100 copies, 16 ems, 3 columns to page, composition, per page, $6.10	. .	25.55
Added 100 copies	. .	.35
Added 1,000 copies	. .	3.40
Four Pages—Quarter sheet of 26 x 40.		
100 copies, 13 ems, 4 columns to page, composition, per page, $7.50	31.20	. .
Added 100 copies	.29	. .
Added 1,000 copies	2.75	. .
Four Pages—Quarter sheet of 28 x 42.		
100 copies, 13 ems, 4 columns to page, composition, per page, $8.10	33.60	33.70
Added 100 copies	.30	.38
Added 1,000 copies	2.80	3.70

Half the size, at two-thirds the rate.

Advertising matter on newspapers or programmes to be measured as 8 Point.

Alterations to be figured separately from composition and charged at the hour rate of 60 cents.

BY-LAWS, CONSTITUTIONS AND SMALL BOOKLETS.

Size of printed page, 3½×5½ inches, trimmed, 32 to sheet of 22×32 40-lb. book paper and 50-lb. cover paper.

	8 POINT TYPE.	7 POINT TYPE.	6 POINT TYPE.
8 pages (15 x 27 ems) and cover	$ 7.75	$ 9.40	$11.65
Added 100 copies	.55	.55	.55
500 copies	9.95	11.60	13.85
1000 copies	12.70	14.35	16.60
Added 1000 copies	5.50	5.50	5.50
16 pages (15 x 27 ems) and cover	13.00	16.30	20.80
Added 100 copies	.75	.75	.75
500 copies	16.00	19.30	23.80
1000 copies	19.75	23.05	27.55
Added 1000 copies	7.50	7.50	7.50
24 pages (15 x 27 ems) and cover	19.30	24.25	31.00
Added 100 copies	1.05	1.05	1.05
32 pages (15 x 27 ems) and cover	25.00	31.60	41.00
Added 100 copies	1.30	1.30	1.30

ABSTRACTS OF TITLE.

Printed on half sheet of 16-lb. flat cap, usually set in 10 Point type, hanging indention, one full page, with backing:

100 copies (composition, $4.00)	$5.30
Additional 100 copies	.40
Additional pages, 100 copies	4.05
Added 100 copies	.40

Printed on ruled paper, separating descriptions, add $1.00 for each page to above prices.

Cover and backing, add $2.00.

BRIEFS AND PAPER BOOKS.

$1.00 per printed page, net, for all under 100 pages; over 100 pages, 90 cents per page, net.

DODGERS, HAND-BILLS, PROGRAMMES, ETC.

ON PRINT AND BOOK PAPER.

On 3-cent paper (24×36 inches, 30-lb.).	100	250	500	1000	ADDED 1000
3 to a sheet, paper $0.90 per thousand	$4.50	$5.00	$5.50	$6.75	$2.40
4 to a sheet, paper .68 per thousand	4.00	4.50	5.00	6.00	2.10
6 to a sheet, paper .45 per thousand	3.25	3.65	4.10	4.90	1.80
8 to a sheet, paper .34 per thousand	2.45	2.75	3.15	3.80	1.40
10 to a sheet, paper .27 per thousand	2.25	2.60	2.85	3.50	1.30
12 to a sheet, paper .23 per thousand	1.90	2.20	2.50	3.10	1.20
16 to a sheet, paper .17 per thousand	1.75	1.95	2.15	2.60	.90
24 to a sheet, paper .12 per thousand	1.20	1.40	1.55	2.00	.70
On 4-cent paper (24×36 inches, 40-lb.).					
3 to a sheet, paper $1.60 per thousand	4.60	5.20	5.85	7.00	3.10
4 to a sheet, paper 1.20 per thousand	4.10	4.60	5.55	6.45	2.60
6 to a sheet, paper .80 per thousand	3.35	3.70	4.20	5.35	2.15
8 to a sheet, paper .60 per thousand	2.55	2.80	3.25	4.10	1.70
10 to a sheet, paper .48 per thousand	2.35	2.65	2.95	3.70	1.50
12 to a sheet, paper .40 per thousand	2.00	2.25	2.55	3.25	1.40
16 to a sheet, paper .30 per thousand	1.80	2.00	2.24	2.75	1.05
24 to a sheet, paper .20 per thousand	1.30	1.40	1.60	2.00	.80

The 4c. paper will represent the value of colored prints.

Blue or green ink will add for the first 100 copies $1.00, and for subsequent 100s, in sizes above sixes, 10c. per 100. On sixes and eights, subsequent 100s at 5c.

Bright red ink will add for the first 100 copies $1.25, and for subsequent 100s, in sizes above sixes, 20c. per 100. On sixes and eights, subsequent 100s at 10c.

POSTERS AND SHOW-BILLS.

Using 40-lb. paper, 28×42 inches, costing 4c., the value of 100 sheets being 50c.

Whole sheet.	100	250	500	1000	ADDED 100
Black ink	$5.10	$6.50	$ 8.75	$13.00	$0.90
Red or blue ink	6.10	7.75	11.50	16.00	1.10
In two colors	7.80	9.90	13.40	20.40	1.40
Half sheet.					
Black ink	4.30	5.05	6.30	8.80	.50
Red or blue ink	5.30	6.20	7.70	10.70	.60
In two colors	7.00	8.35	10.60	15.00	.90
Third sheet.					
Black ink	3.70	4.25	5.10	6.85	.35
Red or blue ink	4.70	5.30	6.30	8.30	.40
In two colors	6.20	7.25	8.80	12.00	.65
Quarter sheet.					
Black ink	3.15	3.60	4.35	5.85	.30
Red or blue ink	4.15	4.70	5.55	7.30	.35
In two colors	5.50	6.35	7.75	10.50	.55

The most effective plain posters are printed on yellow paper, the value of paper being 80c. per 100 full sheets.

On 24×36 paper the difference is so slight, except in large quantities, that the same price should prevail. In 1000 orders a discount of 10 per cent. may be made.

DELEGATE OR NOMINATION TICKETS.

For conventions in separate lots of 500.

500	1000	1500	2000	ADDED 1000
$1.25	$1.50	$2.00	$2.25	$1.00

HALF-LETTER OR QUARTER-FOLIO CIRCULARS.

No form rated at less than $1.00. The figures in this table are based on 10 Point and $2.00 for composition. The value of a full page of 12 Point is $1.50; 10 Point, $2.00; 8 Point, $3.00; 6 Point, $4.00. The difference should be added or deducted from the gross figures.

20-lb. stock.

	100	250	500	1000	ADDED 100
8-cent paper, $1.20 per thousand	$2.85	$3.20	$3.75	$4.85	$0.20
10-cent paper, 1.50 per thousand	2.90	3.30	3.90	5.15	.23
12-cent paper, 1.80 per thousand	2.95	3.35	4.05	5.45	.26
14-cent paper, 2.10 per thousand	2.95	3.40	4.20	5.75	.29
16-cent paper, 2.40 per thousand	3.00	3.50	4.35	6.05	.32
18-cent paper, 2.70 per thousand	3.05	3.55	4.50	6.35	.35
20-cent paper, 3.00 per thousand	3.05	3.65	4.65	6.65	.38

24-lb. stock will add for paper for each 1000 copies—on 8c. paper 25c., 10c. paper 31c., 12c. paper 37c., 14c. paper 44c., 16c. paper 50c., 18c. paper 56c., 20c. paper 62c.

Printing front and back, different forms, add for composition and 5c. per 100 additional for presswork.

Figure on 10c. paper and 20-lb. stock, unless requested otherwise.

FOLDED NOTE CIRCULARS.

Using quarter sheet demy or folio. The figures are based on 10 Point and $1.00 for each page of composition. The value of a full page of 12 Point is 75c.; 8 Point, $1.50; 6 Point, $2.00. The difference should be added or deducted from the gross figures.

One page, folded, 20-lb stock.

	100	250	500	1000	ADDED 100
8-cent paper, $1.20 per thousand	$2.00	$2.30	$2.85	$4.00	$0.20
10-cent paper, 1.50 per thousand	2.05	2.40	3.00	4.30	.23
12 cent paper, 1.80 per thousand	2.10	2.45	3.15	4.60	.26
14-cent paper, 2.10 per thousand	2.15	2.50	3.30	4.90	.29
16-cent paper, 2.40 per thousand	2.20	2.60	3.45	5.20	.32
18-cent paper, 2.70 per thousand	2.25	2.65	3.60	5.50	.35
20-cent paper, 3.00 per thousand	2.30	2.70	3.75	5.80	.38

Two pages, folded, 20-lb. stock.

8-cent paper	2.00	3.30	3.85	5.00	.25
10-cent paper	3.05	3.40	4.00	5.30	.28
12-cent paper	3.10	3.45	4.15	5.60	.31
14-cent paper	3.15	3.50	4.30	5.90	.34
16-cent paper	3.20	3.60	4.45	6.20	.37
18-cent paper	3.25	3.65	4.60	6.50	.40
20-cent paper	3.30	3.70	4.75	6.80	.43

Three pages, folded, 20-lb. stock.

8-cent paper	4.00	4.30	4.85	6.00	.25
10-cent paper	4.05	4.40	5.00	6.30	.28
12-cent paper	4.10	4.45	5.15	6.60	.31
14-cent paper	4.15	4.50	5.30	6.90	.34
16-cent paper	4.20	4.60	5.45	7.20	.37
18-cent paper	4.25	4.65	5.60	7.50	.40
20-cent paper	4.30	4.70	5.75	7.70	.43

Four pages, folded, 20-lb. stock.

8-cent paper	5.00	5.30	5.85	7.00	.25
10-cent paper	5.05	5.40	6.00	7.30	.28
12-cent paper	5.10	5.45	6.15	7.60	.31
14-cent paper	5.15	5.50	6.30	7.90	.34
16-cent paper	5.20	5.60	6.45	8.20	.37
18-cent paper	5.25	5.65	6.60	8.50	.40
20-cent paper	5.30	5.70	7.75	8.80	.43

For difference in weight of stock, see half-letter or quarter-folio circulars.

The above figures include folding one fold.

Figure on 10c. paper and 20-lb. stock, unless requested otherwise.

HALF NOTE OR EIGHTH FOLIO CIRCULARS.

No form rated less than 50c. for composition. The figures in this table are based on 10 Point and $1.00 for composition. The value of a full page of 12 Point is 75c.; 10 Point, $1.00; 8 Point, $1.50; 6 Point, $2.00. The difference should be added or deducted from the gross figures.

20-lb. stock.

	100	250	500	1000	ADDED 100
8-cent paper, $0.60 per thousand	$1.65	$1.90	$2.20	$2.90	$0.12
10-cent paper, .75 per thousand	1.70	2.00	2.30	3.05	.14
12-cent paper, .90 per thousand	1.70	2.05	2.35	3.20	.15
14-cent paper, 1.05 per thousand	1.70	2.10	2.45	3.35	.16
16-cent paper, 1.20 per thousand	1.75	2.10	2.50	3.50	.18
18-cent paper, 1.35 per thousand	1.80	2.10	2.60	3.65	.19
20-cent paper, 1.50 per thousand	1.85	2.15	2.70	3.80	.21

Printing front and back, add for composition only.

24-lb. stock will add for paper for each 1000 copies—on 8c. paper 12c., 10c. paper 15c., 12c. paper 19c., 14c. paper 21c., 16c. paper 25c., 18c. paper 28c., 20c. paper 31c.

FOLDED LETTER CIRCULARS.

Using half sheet demy or folio. The figures are based on 10 Point and $2.00 for each page of composition. The value of a full page of 12 Point is $1.50; 8 Point, $3.00; 6 Point, $4.00. The difference should be added or deducted from the gross figures.

One page, folded, 20-lb. stock.

	100	250	500	1000	ADDED 100
8-cent paper, $2.40 per thousand	$3.25	$3.90	$4.80	$6.75	$0.37
10-cent paper, 3.00 per thousand	3.30	4.05	5.10	7.35	.43
12-cent paper, 3.60 per thousand	3.35	4.20	5.40	7.95	.49
14-cent paper, 4.20 per thousand	3.40	4.35	5.70	8.55	.55
16-cent paper, 4.80 per thousand	3.45	4.50	6.00	9.15	.61
18-cent paper, 5.40 per thousand	3.50	4.65	6.30	9.75	.67
20-cent paper, 6.00 per thousand	3.55	4.80	6.60	10.35	.73

Two pages, folded, 20-lb. stock.

8-cent paper	5.25	5.90	6.80	8.75	.37
10-cent paper	5.30	6.05	7.10	9.35	.43
12-cent paper	5.35	6.20	7.40	9.95	.49
14-cent paper	5.40	6.35	7.70	10.55	.55
16-cent paper	5.45	6.50	8.00	11.15	.61
18-cent paper	5.50	6.65	8.30	11.75	.67
20-cent paper	5.55	6.80	8.60	12.35	.73

Three pages, folded, 20-lb. stock.

8-cent paper	7.25	7.90	8.80	10.75	.37
10-cent paper	7.30	8.05	9.10	11.35	.43
12-cent paper	7.35	8.20	9.40	11.95	.49
14-cent paper	7.40	8.35	9.70	12.55	.55
16-cent paper	7.45	8.50	10.00	13.15	.61
18-cent paper	7.50	8.65	10.30	13.75	.67
20-cent paper	7.55	8.80	10.60	14.35	.73

Four pages, folded, 20-lb. stock.

8-cent paper	9.25	9.90	10.80	12.75	.37
10-cent paper	9.30	10.05	11.10	13.35	.43
12-cent paper	9.35	10.20	11.40	13.95	.49
14-cent paper	9.40	10.35	11.70	14.55	.55
16-cent paper	9.45	10.50	12.00	15.15	.61
18-cent paper	9.50	10.65	12.30	15.75	.67
20-cent paper	9.55	10.80	12.60	16.35	.73

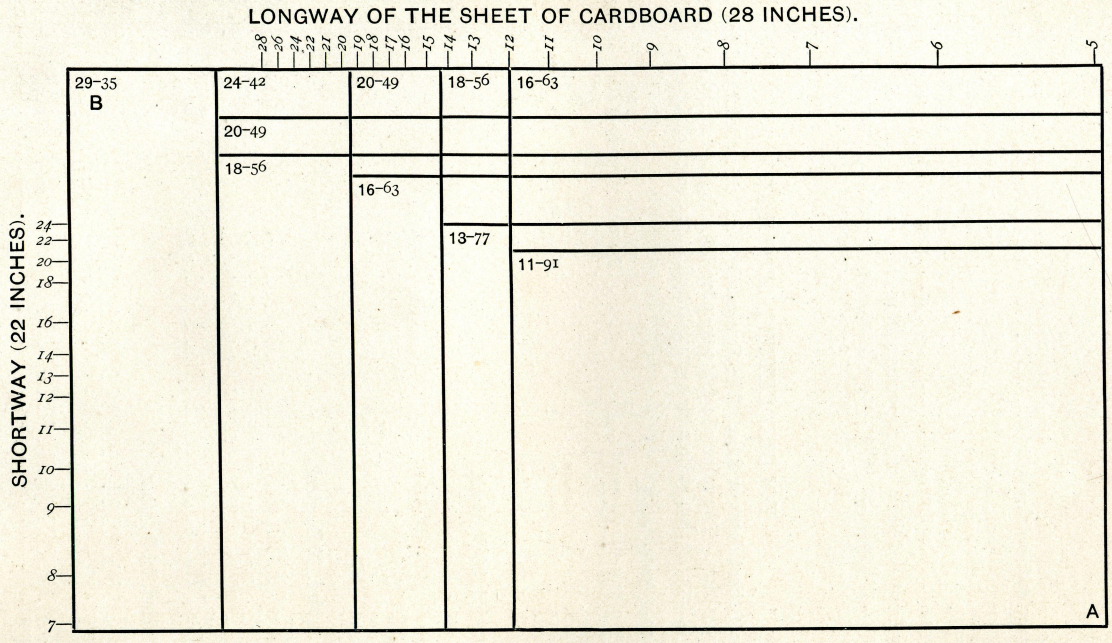
The above figures include folding one fold.

24-lb. stock will add for paper for each 1000 copies—on 8c. paper 50c., 10c. paper 62c., 12c. paper 75c., 14c. paper 88c., 16c. paper $1.00, 18c. paper $1.12, 20c. paper $1.25.

Figure on 10c. paper and 20-lb. stock, unless requested otherwise.

CARD SCALE.

This is the scale referred to in the Price List of Business Cards on opposite page. The scale is based on 22×28 inch cardboard.



EXPLANATION.—The first figures in Gothic in the upper left-hand corner of each size indicate the number of sheets required for 1000 cards of that size. The figures in Roman, after the dash, indicate the number of cards that can be cut from one sheet of cardboard, *measuring from the lower right-hand corner of the scale* (*A*).

The Italic figures outside the scale indicate the number of cuts to a sheet for any size of card not exceeding the size of scale, measuring from the upper left-hand corner (B); and the number of cards procurable from a sheet may be ascertained by multiplying the shortwise and longwise numbers. Example: If a card measures from B longwise to 8 and from B shortwise to 8, the number of cards procurable from one full-sized sheet of 22×28 inch card will be 64.

CARD SCALE.

The card scale on opposite page agrees approximately with the card scales issued by various dealers in cardboard. There is no standard scale. Printers should procure the card scale of the dealers who supply them with cards. The "Convenient Card Scale and Table of Prices," compiled by Mr. C. F. Pedrick and copyrighted and issued to the trade by Irwin N. Megargee & Co., dealers in cards, 12 S. Sixth St., Philadelphia, will save printers a great deal of time and insure accuracy in estimating. This valuable scale shows at a glance: (1) Cost per 1000 cards of any size after being cut from any kind or quality of board, ranging in list price from $1.00 to $15.00 per 100 sheets, 22×28 inches; (2) Which way of the sheet a card of any size will cut to the best advantage; (3) Number of sheets of 22×28 inches cardboard required to cut 1000 cards of any size. This scale is printed on a large sheet of bond paper in two colors, and applicants for it should inclose ten cents in postage stamps.

BUSINESS CARDS.

The sizes and figures given for business cards such as 11—91, 50c. stand for 11 full sheets each cutting 91 cards, and the value, including cutting of 1000 of such cards, is 50 cents. On the general rule that all the prices given in these tables have a margin of profit the stock figures represent an addition to the cost of 50 per cent.

Costing $1.60 for 100 full sheets.	100	250	500	1000	ADDED 100
11—91, $0.50 per thousand	$1.00	$1.20	$1.50	$2.00	$0.11
13—77, .56 per thousand	1.05	1.25	1.60	2.25	.12
16—63, .63 per thousand	1.15	1.40	1.70	2.30	.13
18—56, .68 per thousand	1.20	1.45	1.80	2.50	.14
21—49, .75 per thousand	1.25	1.50	1.85	2.55	.15
24—42, .82 per thousand	1.30	1.60	1.95	2.70	.15
29—35, .95 per thousand	1.40	1.65	2.10	2.85	.16
Costing $2.00 for 100 full sheets.					
11—91, $0.58 per thousand	1.00	1.20	1.50	2.10	0.12
13—77, .64 per thousand	1.05	1.25	1.60	2.25	.13
16—63, .75 per thousand	1.15	1.40	1.75	2.45	.14
18—56, .79 per thousand	1.20	1.45	1.85	2.55	.15
21—49, .88 per thousand	1.25	1.60	1.95	2.70	.16
24—42, .97 per thousand	1.30	1.65	2.00	2.80	.16
29—35, 1.12 per thousand	1.40	1.70	2.20	3.10	.18
Costing $3.00 for 100 full sheets.					
11—91, $0.75 per thousand	1.15	1.35	1.55	2.25	0.14
13—77, .83 per thousand	1.30	1.55	1.70	2.45	.15
16—63, .97 per thousand	1.45	1.70	1.90	2.75	.16
18—56, 1.01 per thousand	1.45	1.75	1.95	2.85	.17
21—49, 1.25 per thousand	1.45	1.80	2.00	2.95	.18
24—42, 1.33 per thousand	1.75	2.05	2.35	3.35	.20
29—35, 1.55 per thousand	1.75	2.10	2.45	3.60	.22
Costing $4.00 for 100 full sheets.					
11—91, $0.91 per thousand	1.20	1.45	1.85	2.65	0.15
13—77, 1.03 per thousand	1.30	1.55	2.00	2.90	.16
16—63, 1.21 per thousand	1.50	1.80	2.30	3.30	.18
18—56, 1.33 per thousand	1.50	1.85	2.35	3.40	.19
21—49, 1.51 per thousand	1.50	1.95	2.40	3.55	.21
24—42, 1.69 per thousand	1.75	2.10	2.60	3.80	.22
29—35, 1.99 per thousand	1.80	2.20	2.90	4.25	.24

Round-corner cards will add 50c. for each 1000, added to the foregoing figures.

For cheap entertainment cards use $2.00 scale. For business cards use the $4.00 scale, unless specially requested for another grade.

In colored ink, add 50c. to the gross price for any number under 1000, and 10c. for added 1000. For two forms, two colors, add $1.00 to the gross price; presswork scale for second form.

Cards, backed with another form on cheap grades, add $1.00, and print both sides at once. On grades on this page make separate presswork and charge 50c. and presswork scale to gross price.

BUSINESS CARDS—Continued.

(*See card scale on page 218.*)

The finer grades of business cards should be rated somewhat higher than common grades, on account of the extra care in composition and presswork.

	100	250	500	1000	ADDED 100
Costing $5.00 per 100 full sheets.					
11—91, $1.02 per thousand	$1.30	$1.60	$1.80	$2.70	$0.16
13—77, 1.17 per thousand	1.30	1.65	2.10	3.10	.18
16—63, 1.39 per thousand	1.50	1.70	2.35	3.45	.20
18—56, 1.54 per thousand	1.50	1.85	2.40	3.55	.21
21—49, 1.76 per thousand	1.55	1.95	2.60	3.90	.24
24—42, 1.98 per thousand	1.80	2.20	3.00	4.40	.26
29—35, 2.75 per thousand	1.85	2.35	3.10	4.70	.29
Costing $6.00 per 100 full sheets.					
11—91, $1.24 per thousand	1.30	1.60	2.00	2.90	.18
13—77, 1.42 per thousand	1.35	1.70	2.25	3.35	.21
16—63, 1.69 per thousand	1.50	1.80	2.45	3.65	.23
18—56, 1.87 per thousand	1.55	1.90	2.60	3.90	.25
21—49, 2.14 per thousand	1.55	2.00	2.70	4.15	.27
24—42, 2.41 per thousand	1.85	2.25	3.15	4.75	.30
29—35, 2.86 per thousand	1.90	2.45	3.35	5.15	.35
Costing $7.00 per 100 full sheets.					
11—91, $1.40 per thousand	1.35	1.85	2.10	3.15	.20
13—77, 1.61 per thousand	1.40	1.90	2.30	3.50	.22
16—63, 1.93 per thousand	1.55	2.00	2.65	4.00	.25
18—56, 2.14 per thousand	1.60	2.10	2.70	4.15	.27
21—49, 2.41 per thousand	1.65	2.20	2.90	4.50	.30
24—42, 2.77 per thousand	1.90	2.50	3.25	5.00	.34
29—35, 3.29 per thousand	2.00	2.50	3.50	5.50	.39
Costing $8.00 per 100 full sheets.					
11—91, $1.57 per thousand	1.35	1.90	2.20	3.30	.22
13—77, 1.81 per thousand	1.45	1.95	2.40	3.70	.24
16—63, 2.17 per thousand	1.60	2.10	2.75	4.25	.28
18—56, 2.41 per thousand	1.65	2.20	2.85	4.45	.30
21—49, 2.77 per thousand	1.70	2.30	3.10	4.70	.34
24—42, 3.13 per thousand	1.95	2.40	3.45	5.25	.37
29—35, 3.73 per thousand	2.10	2.60	3.70	5.75	.43

Above prices to govern professional cards.

In colored ink, add 50c. to the gross price for any number under 1000, and 10c. for added 1000. For two forms, two colors, add $1.00 to the gross price; presswork scale for second form.

Cards backed with another form on cheap grades, add $1.00, and print both sides at once. On grades on this page make separate presswork and charge 50c. and presswork scale on gross price.

ANNOUNCEMENT AND WEDDING INVITATIONS.

Full note, 80-lb., satin wove, with inside and outside envelopes, fine script type.

25 copies, stock $0.60	$2.50	100 copies, stock $2.40	$5.50
50 copies, stock 1.20	3.50	Added 100 copies	4.00
75 copies, stock 1.80	4.50		

VISITING AND WEDDING CARDS.

50 cards and printing	$1.00	200 cards and printing	$1.50
100 cards and printing	1.25		

ENGRAVED INVITATIONS AND CARD PLATES.

25 invitations on full note	$ 9.00	50 cards and plate (name only)	$1.75
50 invitations on full note	10.00	100 cards and plate (name only)	2.00
75 invitations on full note	11.00	Address or additional lines, each	.50
100 invitations on full note	12.00	100 cards from plate	1.25
Additional 100	6.00	Additional 100	.80

ANNOUNCEMENT CARDS—BARONIAL.

	100	250	500	1000	ADDED 100
Size 25—3½×4⅜ inches—					
5-cent stock, $0.20 per hundred	$1.75	$2.00	$2.65	$4.00	$0.26
6-cent stock, .23 per hundred	1.85	2.15	2.90	4.55	.31
7-cent stock, .26 per hundred	1.95	2.20	3.10	4.95	.35
8-cent stock, .30 per hundred	2.00	2.25	3.15	5.05	.36
Size 36—4×5 inches—					
5-cent stock, $0.30 per hundred	1.90	2.25	3.15	5.05	.36
6-cent stock, .35 per hundred	2.00	2.35	3.40	5.55	.41
7-cent stock, .40 per hundred	2.10	2.50	3.65	6.05	.46
8-cent stock, .45 per hundred	2.20	2.60	3.90	6.55	.51

Baronial envelopes, without printing, No. 4, for size 25, cream or white, $1.60 per 1000; and No. 5, for size 36, at $2.00 per 1000. Linen XX, No. 4, $1.80 per 1000, and No. 5, $2.10 per 1000.

BALL AND DANCE PROGRAMMES.

Size 3½×4⅞, when folded, cuts 16 to a sheet of card stock.

Value of Completed Work (Four Pages).

ITEMS.	50	100	200	300
Card stock	$0.25	$0.50	$1.00	$1.50
Composition	2.40	2.40	2.40	2.40
Presswork and scoring	1.15	1.35	1.60	1.90
Totals	$3.80	$4.25	$5.00	$5.80
Tassels and stringing	.60	1.00	1.75	2.50
Pencils	.75	1.50	3.00	4.00
Totals	$5.15	$6.75	$9.75	$12.30

Colored ink will add $1.00 to any of these prices. In two colors, add $2.00 to above values.

If you use fancy programmes, increase the price, adding the list value of the programme to be used; the card stock charged for being equal to the expense of inserts and any additional forms of presswork on the programme.

LARGE CARDS OR POSTER ANNOUNCEMENTS.

The card stock in the following prices represents a cost value of $2.50 per 100 full sheets.

BLACK INK.

Card Board 22 x 28—	100	250	500	1000	ADDED 100
Eighth sheet, stock $0.45 per hundred	$2.95	$3.75	$ 5.10	$ 7.85	$0.55
Quarter sheet, stock .90 per hundred	3.90	5.40	7.90	12.90	1.00
Third sheet, stock 1.20 per hundred	5.20	7.30	10.80	17.80	1.40
Half sheet, stock 1.75 per hundred	6.25	9.25	14.25	24.25	2.00
Whole sheet, stock 3.50 per hundred	9.50	15.10	24.50	43.25	3.75

If in colored ink, add for first 100, $1.00, and 5 cents for added 100 up to quarter sheets, and 10 cents for sizes over quarter sheets.

TWO COLORS OF INK.

	100	250	500	1000	ADDED 100
Eighth sheet	$4.50	$ 5.70	$ 7.70	$11.70	$0.80
Quarter sheet	5.50	7.35	10.50	16.75	1.25
Third sheet	7.00	9.60	14.00	22.75	1.75
Half sheet	8.00	12.50	21.90	33.65	2.35
Whole sheet	12.00	18.30	28.80	49.80	4.20

BLOTTING PADS.

	12s 4×9½	16s 4¾×6	20s 3¾×6
60-lb. stock at $0.10 per lb., 1,000	$3.95	$3.55	$3.30
Added 1,000	2.35	1.95	1.70
80-lb. stock at $0.10 per lb., 1,000	4.45	3.90	3.60
Added 1,000	2.85	2.30	2.00
Enameled blotter, 1,000	5.90	5.00	4.50
Added 1,000	4.30	3.45	2.90

In colored ink add $2.00 for any number under 5000. Over 5000, add for colored ink 40c. per 1000.

BILL HEADS.

The usual sizes of stock-ruled bill heads are 6s, 4s, 3s and 2s of flat cap. The prices given are for ruled papers, costing the printer the prices named, at the rate per pound. If special ruling is required, the full expense of ruling must be added to the figures, because the grade of paper used would represent the value without ruling.

8-cent paper.

	100	250	500	1000	ADDED 100
14-lb., 6s, $0.56 per thousand	$1.55	$1.75	$2.05	$2.65	$0.12
14-lb., 4s, .84 per thousand	1.60	1.80	2.15	2.95	.15
14-lb., 3s, 1.12 per thousand	1.70	1.90	2.35	3.20	.18
14-lb., 2s, 1.68 per thousand	1.75	2.00	2.65	3.80	.24

10-cent paper.

14-lb., 6s, $0.70 per thousand	1.55	1.80	2.10	2.80	.14
14-lb., 4s, 1.05 per thousand	1.60	1.85	2.30	3.15	.17
14-lb., 3s, 1.40 per thousand	1.65	1.95	2.45	3.50	.21
14-lb., 2s, 2.10 per thousand	1.70	2.10	2.80	4.20	.28
16-lb., 6s, .80 per thousand	1.60	1.80	2.15	2.90	.15
16-lb., 4s, 1.20 per thousand	1.65	1.90	2.35	3.30	.19
16-lb., 3s, 1.60 per thousand	1.70	2.00	2.55	3.70	.23
16-lb., 2s, 2.40 per thousand	1.75	2.20	2.95	4.50	.31

12-cent paper.

14-lb., 6s, $0.84 per thousand	1.60	1.80	2.15	2.95	.15
14-lb., 4s, 1.26 per thousand	1.65	1.90	2.40	3.35	.20
14-lb., 3s, 1.68 per thousand	1.70	2.00	2.60	3.80	.24
14-lb., 2s, 2.52 per thousand	1.75	2.25	3.00	4.60	.32
16-lb., 6s, .96 per thousand	1.60	1.85	2.25	3.05	.17
16-lb., 4s, 1.44 per thousand	1.65	1.95	2.45	3.55	.21
16-lb., 3s, 1.92 per thousand	1.70	2.10	2.70	4.00	.26
16-lb., 2s, 2.88 per thousand	1.80	2.30	3.20	5.00	.36

14-cent paper.

14-lb., 6s, $1.00 per thousand	1.60	1.85	2.25	3.10	.17
14-lb., 4s, 1.47 per thousand	1.65	1.95	2.50	3.55	.22
14-lb., 3s, 1.95 per thousand	1.70	2.10	2.75	4.05	.27
14-lb., 2s, 2.94 per thousand	1.80	2.35	3.20	5.05	.36
16-lb., 6s, 1.13 per thousand	1.60	1.90	2.30	3.20	.18
16-lb., 4s, 1.68 per thousand	1.65	2.00	2.60	3.80	.24
16-lb., 3s, 2.25 per thousand	1.75	2.15	2.90	4.35	.30
16-lb., 2s, 3.36 per thousand	1.85	2.45	3.45	5.45	.41

Assorted 1000s, use the 1000 price for each size, cutting off the right-hand figure, giving the price per 100.

Give the figures for 12c. ruled stock and 14-lb. weight, unless specially requested for other grades.

MONTHLY STATEMENTS.

Stock-ruled statements are generally make from 20-lb. or 24-lb. folio, and have various designations. The regular size, 8s of folio, is 5½×8½ inches; square statements, 12s of folio, 5⅔×5½ inches; yankee statements, 12s of folio, 3⅓×8½ inches; infant statements, 16s of folio, 4¼×5½ inches; and gem statements, 18s of folio, 3⅓×5⅔ inches.

10-cent paper, 20-lb. stock.

		100	250	500	1000	ADDED 100
8s, regular,	$0.75 per thousand	$1.25	$1.70	$2.00	$2.75	$0.14
12s, square or yankee,	.50 per thousand	1.25	1.60	1.85	2.50	.11
16s, infant,	.38 per thousand	1.25	1.50	1.80	2.40	.10
18s, gem,	.34 per thousand	1.25	1.50	1.80	2.35	.09

10-cent paper, 24-lb. stock.

8s, regular	$0.90 per thousand	1.30	1.70	2.05	2.90	.15
12s, square or yankee,	.60 per thousand	1.30	1.60	1.90	2.60	.12
16s, infant,	.45 per thousand	1.30	1.55	1.85	2.45	.11
18s, gem,	.40 per thousand	1.30	1.55	1.80	2.40	.10

MONTHLY STATEMENTS—Continued.

12-cent paper, 20-lb. stock.

8s, regular,	$0.90 per thousand	$1.30	$1.70	$2.05	$2.90	$0.15
12s, square or yankee,	.60 per thousand	1.30	1.60	1.90	2.60	.12
16s, infant,	.45 per thousand	1.30	1.55	1.85	2.45	.11
18s, gem,	.40 per thousand	1.30	1.55	1.80	2.40	.10

12-cent paper, 24-lb. stock.

8s, regular,	$1.08 per thousand	1.35	1.75	2.15	3.10	.17
12s, square or yankee,	.72 per thousand	1.35	1.65	1.95	2.70	.13
16s, infant,	.54 per thousand	1.35	1.60	1.90	2.55	.12
18s, gem,	.48 per thousand	1.35	1.60	1.85	2.50	.11

14-cent paper, 20-lb. stock.

8s, regular,	$1.05 per thousand	1.35	1.75	2.15	3.10	.17
12s, square or yankee,	.70 per thousand	1.35	1.65	1.95	2.70	.13
16s, infant,	.53 per thousand	1.35	1.60	1.90	2.55	.11
18s, gem,	.47 per thousand	1.35	1.60	1.85	2.50	.11

14-cent paper, 24-lb. stock.

8s, regular,	$1.26 per thousand	1.40	1.80	2.25	3.25	.19
12s, square or yankee,	.84 per thousand	1.40	1.65	2.00	2.85	.15
16s, infant,	.63 per thousand	1.40	1.60	1.95	2.65	.12
18s, gem,	.56 per thousand	1.40	1.60	1.90	2.55	.12

Use 12c. paper and 20-lb. stock, unless specially requested to furnish some other grade.

LETTER HEADS.

Usually printed on quarter-sheet folio, the grades of paper differing very materially; but, with the designation of cost values of the stock, the figures cover all the grades from a cheap writing to a first-class linen paper. The prices are maximum, and may be adjusted by a uniform discount. One-third off prices given here will bring most jobs to about the cost value:

8-cent paper.

	100	250	500	1000	ADDED 100
8-lb. stock, $0.96 per thousand	$1.25	$1.85	$2.25	$3.05	$0.17
10-lb. stock, 1.20 per thousand	1.25	1.90	2.35	3.30	.19
12-lb. stock, 1.44 per thousand	1.50	1.95	2.45	3.55	.21

10-cent paper.

8-lb. stock, $1.20 per thousand	1.50	1.90	2.35	3.30	.19
10-lb. stock, 1.50 per thousand	1.50	2.00	2.50	3.60	.22
12-lb. stock, 1.80 per thousand	1.50	2.05	2.65	3.90	.25

12-cent paper.

8-lb. stock, $1.44 per thousand	1.50	1.95	2.45	3.55	.22
10-lb. stock, 1.80 per thousand	1.50	2.05	2.65	3.90	.25
12-lb. stock, 2.16 per thousand	1.50	2.15	2.85	4.15	.29

14-cent paper.

8-lb. stock, $1.68 per thousand	1.50	2.00	2.60	3.80	.24
10-lb. stock, 2.10 per thousand	1.50	2.10	2.80	4.20	.28
12-lb. stock, 2.52 per thousand	1.50	2.25	3.00	4.60	.32

16-cent paper.

8-lb. stock, $1.92 per thousand	1.50	2.10	2.70	4.00	.26
10-lb. stock, 2.40 per thousand	1.50	2.20	2.95	4.50	.31
12-lb. stock, 2.88 per thousand	1.50	2.30	3.20	5.00	.36

18-cent paper.

8-lb stock, $2.16 per thousand	1.50	2.15	2.85	4.25	.29
10-lb. stock, 2.70 per thousand	1.50	2.30	3.10	4.80	.34
12-lb. stock, 3.24 per thousand	1.50	2.40	3.35	5.35	.39

20-cent paper,

8-lb. stock, $2.40 per thousand	1.50	2.20	2.95	4.50	.31
10-lb. stock, 3.00 per thousand	1.50	2.35	3.25	5.10	.37
12-lb. stock, 3.60 per thousand	1.50	2.50	3.55	5.70	.43

Figure on 12c. paper and 10-lb. stock, unless otherwise requested.

NOTE AND MEMORANDUM HEADINGS.

This class of work is usually printed on 8s of folio, either the broad or narrow way. The different values of paper represent the cost to the printer. One-third off the prices given here will bring most jobs to about the cost value:

	100	250	500	1000	ADDED 100
8-cent paper.					
4-lb. stock, $0.48 per thousand	$1.25	$1.75	$2.00	$2.60	$0.12
5-lb. stock, .60 per thousand	1.25	1.75	2.05	2.70	.13
10-cent paper.					
4-lb. stock, $0.60 per thousand	1.50	1.75	2.05	2.70	.13
5-lb. stock, .75 per thousand	1.50	1.80	2.15	2.85	.15
6-lb. stock, .90 per thousand	1.50	1.85	2.20	3.00	.16
7-lb. stock, 1.05 per thousand	1.50	1.90	2.30	3.15	.17
12-cent paper.					
4-lb. stock, $0.72 per thousand	1.50	1.80	2.10	2.80	.14
5-lb. stock, .90 per thousand	1.50	1.85	2.20	3.00	.16
6-lb. stock, 1.08 per thousand	1.50	1.90	2.30	3.20	.18
7-lb. stock, 1.26 per thousand	1.50	1.90	2.40	3.35	.20
14-cent paper.					
4-lb. stock, $0.84 per thousand	1.50	1.80	2.25	2.95	.15
5-lb. stock, 1.05 per thousand	1.50	1.90	2.30	3.15	.18
6-lb. stock, 1.26 per thousand	1.50	1.90	2.40	3.35	.20
7-lb. stock, 1.47 per thousand	1.50	2.00	2.50	3.55	.22
16-cent paper.					
4-lb. stock, $0.96 per thousand	1.50	1.85	2.25	3.15	.17
5-lb. stock, 1.20 per thousand	1.50	1.90	2.35	3.30	.19
6-lb. stock, 1.44 per thousand	1.50	1.95	2.45	3.55	.22
7-lb. stock, 1.68 per thousand	1.50	2.05	2.60	3.80	.24
18-cent paper.					
4-lb. stock, $1.08 per thousand	1.50	1.90	2.30	3.20	.18
5-lb. stock, 1.35 per thousand	1.50	1.95	2.45	3.45	.21
6-lb. stock, 1.62 per thousand	1.50	2.00	2.55	3.70	.23
7-lb. stock, 1.89 per thousand	1.50	2.10	2.70	4.00	.26
20-cent paper.					
4-lb. stock, $1.20 per thousand	1.50	1.90	2.35	3.30	.19
5-lb. stock, 1.50 per thousand	1.50	1.95	2.50	3.60	.22
6-lb. stock, 1.80 per thousand	1.50	2.00	2.65	3.90	.25
7-lb. stock, 2.10 per thousand	1.50	2.15	2.80	4.20	.28

Figure on 12c. paper and 5-lb. stock, unless otherwise requested.

BEER OR MILK TICKETS.

On heavy, tough check, 100 for $1.00; 500 for $1.50; 1000 for $2.00; change of price or quantity in same order, 20c. for each change.

RESTAURANT AND HOTEL BILLS OF FARE.

Breakfast or supper, 8s of 24-lb. folio post, at 12c.
500 copies, $3.30; 1,000 copies, $4.50. Added 1,000 copies, $1.90.

Dinner bills, same general style, printed on two sides.
500 copies, $4.95; 1,000 copies, $6.00. Added 1,000 copies, $2.50.

Dinner bills, 4 pages, quarter-sheet folio with wine list.
500 copies, $7.50; 1,000 copies, $9.15. Added 1,000 copies, $3.60.

Skeleton bills to be filled in daily.
12s of thin card per 1,000, $5.65. Added 1,000, $3.30.

Restaurant bills on 6s of flat cap.
500 copies, $3.00; 1,000 copies, $4.00. Added 1,000 copies, $1.80.

ENVELOPES.

In this list of prices there is one-third added to the general net cost price.

		100	250	500	1000	ADDED 100
No. 6 Size.						
60-lb. No. 1 rag,	$1.60 per thousand	$1.00	$1.35	$1.90	$3.10	$0.22
50-lb. No. 1 rag,	1.47 per thousand	1.00	1.35	1.85	2.95	.21
60-lb. No. 2 rag,	1.35 per thousand	1.00	1.30	1.80	2.85	.20
50-lb. No. 2 rag,	1.27 per thousand	1.00	1.25	1.75	2.75	.19
60-lb. No. 1 wood,	1.13 per thousand	1.00	1.25	1.65	2.65	.17
50-lb. No. 1 wood,	1.00 per thousand	1.00	1.20	1.60	2.50	.16
50-lb. manilla,	.87 per thousand	1.00	1.20	1.55	2.35	.15
36-lb. manilla, white,	1.00 per thousand	1.00	1.20	1.60	2.50	.16
36-lb. manilla,	.73 per thousand	1.00	1.15	1.45	2.25	.13
No. 6½ Size.						
60-lb. No. 1 rag,	1.80 per thousand	1.00	1.40	2.00	3.30	.24
50-lb. No. 1 rag,	1.53 per thousand	1.00	1.40	1.90	3.00	.21
60-lb. No. 2 rag,	1.53 per thousand	1.00	1.40	1.90	3.00	.21
50-lb. No. 2 rag,	1.33 per thousand	1.00	1.30	1.80	2.90	.20
60-lb. No. 1 wood,	1.27 per thousand	1.00	1.30	1.75	2.80	.19
50-lb. No. 1 wood,	1.07 per thousand	1.00	1.25	1.65	2.60	.17
50-lb. manilla,	1.00 per thousand	1.00	1.25	1.60	2.50	.16
36-lb. manilla, white,	1.07 per thousand	1.00	1.25	1.65	2.60	.17
36-lb. manilla,	.80 per thousand	1.00	1.20	1.50	2.30	.14
No. 10 Size.						
60-lb. No. 1 rag,	2.87 per thousand	1.25	1.70	2.55	4.40	.37
50-lb. No. 1 rag,	2.47 per thousand	1.25	1.65	2.40	3.95	.33
60-lb. No. 2 rag,	2.53 per thousand	1.25	1.65	2.40	4.00	.33
50-lb. No. 2 rag,	2.20 per thousand	1.25	1.55	2.25	3.75	.30
50-lb. manilla,	1.53 per thousand	1.25	1.40	1.90	3.00	.23
36-lb. manilla,	1.27 per thousand	1.00	1.30	1.75	2.80	.21
No. 11 Size.						
60-lb. No. 1 rag,	3.45 per thousand	1.30	1.85	2.85	5.00	.45
50-lb. No. 1 rag,	3.00 per thousand	1.30	1.70	2.65	4.45	.40
No. 12 Size.						
60-lb. No. 1 rag,	4.05 per thousand	1.40	2.00	3.15	5.60	.50
50-lb. No. 1 rag,	3.40 per thousand	1.40	1.90	2.90	4.95	.44

FOR PRINTING ONLY—STOCK FURNISHED.

500 . . . . . $1.25	5,000 . . . . . $4.95	10,000 . . . . . $ 8.75
1,000 . . . . . 1.75	6,000 . . . . . 5.75	15,000 . . . . . 11.75
2,000 . . . . . 2.55	7,000 . . . . . 6.50	20,000 . . . . . 14.75
3,000 . . . . . 3.35	8,000 . . . . . 7.25	25,000 . . . . . 17.75
4,000 . . . . . 4.15	9,000 . . . . . 8.00	

Figure on 50-lb. No. 2 rag for ordinary business, unless otherwise requested. Colored envelopes on same grade.

DENNISON TAG ENVELOPE.

FOR SENDING BILLS WITH PACKAGE.

No. 17 P., 6 × 3½, not printed, per thousand . $3.25
Printed, per thousand 4.50

No. 18 P., 7½ × 3⅞, not printed, per thousand $4.20
Printed, per thousand 5.50

DENNISON CLASP ENVELOPE.

OPEN-END XXXX WEIGHT.

Size, 3⅜ × 6 inches, per thousand $4.50
Size, 4 × 6 inches, per thousand 4.75
Size, 3⅞ × 7½ inches, per thousand 5.75
Size, 4⅜ × 6¾ inches, per thousand 5.00
Size, 4⅞ × 7¼ inches, per thousand 5.00
Size, 5 × 7½ inches, per thousand 5.50

Size, 5¼ × 8 inches, per thousand $5.75
Size, 5½ × 8¼ inches, per thousand 6.00
Size, 6 × 9 inches, per thousand 6.25
Size, 6¼ × 9½ inches, per thousand 6.75
Size, 6½ × 10 inches, per thousand 7.50
Size, 7 × 10½ inches. per thousand 8.00

Printing, add $1.50 per 1000.

POSTAL CARDS AND STAMPED ENVELOPES.

The customer should supply postal cards and stamped envelopes. When the stock is furnished by office the prices should be net.

Postal Cards, printed on one side.	STOCK FURNISHED BY OFFICE. NET FIGURES.	STOCK FURNISHED BY CUSTOMER.
100 cards	$2.00	$1.00
200 cards	3.20	1.10
300 cards	4.40	1.20
400 cards	5.50	1.35
500 cards	6.60	1.50
1,000 cards	12.50	2.00
Additional 1,000	11.50	1.00

Printing on two sides, add the last column of figures for the second run.

Stamped Envelopes, 2-cent postage, white, commercial size.		
100 envelopes, $21.80 per thousand	3.40	1.00
200 envelopes, 21.80 per thousand	5.80	1.10
300 envelopes, 21.80 per thousand	8.00	1.20
400 envelopes, 21.80 per thousand	10.40	1.35
500 envelopes, 21.80 per thousand	12.80	1.50
1,000 envelopes, 21.80 per thousand	24.45	2.00
Additional 1,000	23.80	1.00

One-cent postage, manilla, commercial size.		
100 envelopes, $11.08 per thousand	2.00	1.00
200 envelopes, 11.08 per thousand	3.40	1.10
300 envelopes, 11.08 per thousand	4.80	1.20
400 envelopes, 11.08 per thousand	6.20	1.35
500 envelopes, 11.08 per thousand	7.50	1.50
1,000 envelopes, 11.08 per thousand	14.00	2.00
Additional 1,000	12.60	1.00

One-cent postage, white, commercial size, add 8c. per 100 extra to manilla prices for stock furnished by office.

SHIPPING TAGS.

The following are list prices on Dennison tags, without printing:

SIZE.	N. Y. G.	DEN. E.	STAND-ARD P.	SIZE.	N. Y. G.	DEN. E.	STAND-ARD P.
1	$0.25	$0.40	$0.90	5	$0.50	$0.85	$1.60
2	.30	.50	1.00	6	.60	1.00	1.90
3	.35	.60	1.20	7	.70	1.15	2.30
4	.40	.70	1.40	8	.80	1.30	2.75

COLORED AND LINEN TAGS.

SIZE.	NOVELTY COL.	PAT. COL.	LINEN.	SIZE.	NOVELTY COL.	PAT. COL.	LINEN.
1	$0.75	$1.25	$3.00	5	$1.60	$2.75	$6.25
2	.90	1.50	3.75	6	1.90	3.00	7.25
3	1.10	2.00	4.50	7	2.20	3.50	8.50
4	1.30	2.25	5.25	8	2.50	3.75	10.00

Add for printing to any one kind for 1000, $1.50; for additional 1000s to 4000, 60c. per 1000; 5000 to 10,000, at 60c. per 1000; over 10,000, at 50c. per 1000. Discounts to be figured from the whole amount.

HOTEL REGISTERS.

Interleaved with blotting-paper without advertisements.

	DEMY OR MEDIUM.
Books of 300 pages without blotters	$9.50
Add for blotters	2.00
Total for one book	$11.50
Added books in same order	7.80

PRINTED DRAFTS AND INDIVIDUAL CHECKS, BOUND.

	500 FORMS.	1000 FORMS.
Five forms to a half sheet of folio or royal, one book	$7.90	$10.10
Additional books in same order	3.30	5.50

These are for numbered and perforated forms.

In books two or three deep, add 50c. for additional binding on each 1000 forms.

The names of drawers inserted where there is more than one order; charge, 50c. extra for each set of names. Names of drawers in red or other color, $1.00 extra.

CUSTOMERS' CHECKS IN SMALL BOOKS.

Check Bound Books.—

	20 BOOKS OF 50.	10 BOOKS OF 100.	2 BOOKS OF 500.
Total for 1,000 checks	$ 5.70	$ 5.30	$ 4.90
Additional 1,000s	3.70	3.30	2.90
In lots of 5,000, setting two forms	15.60	14.10	13.00
In lots of 10,000, setting full form	27.00	25.00	25.00
In additional lots of 10,000	23.00	21.00	21.00

Twelve checks to one sheet of folio, reduce 15c. per 1000 checks, the paper (24-lb. folio) amounting to 75c.; all other charges the same.

BANK OR COUNTER CHECKS.

WITHOUT STUBS, LOOSE OR IN BLOCKS. SMALL, 2¾×7¼ INCHES, 18S FOLIO (STOCK, 40C.).

1,000 . . . $ 2.00	2,000 . . . $ 3.00	3,000 . . . $ 4.00
5,000 . . . 6.00	10,000 . . . 10.00	20,000 . . . 19.00
30,000 . . . 25.00	40,000 . . . 30.00	50,000 . . . 35.00

Large, 3½×8½ inches, 8s cap (stock, 50c.).

1,000 . . . $ 2.50	2,000 . . . $ 3.65	3,000 . . . $ 4.95
5,000 . . . 7.00	10,000 . . . 12.00	20,000 . . . 20.00
30,000 . . . 27.00	40,000 . . . 34.00	50,000 . . . 40.00

These prices are for loose checks, or simply glued in bulk at the top. If in blocks of 50, add 30c. per 1000 for the first 1000 and 20c. for subsequent 1000s.

Colored inks will add $1.00 to the order.

DEBIT AND CREDIT SLIPS.

2¾×4⅛, 32s folio (stock, 15c.).

1,000 . . . $ 1.25	2,000 . . . $ 1.70	3,000 . . . $ 2.00
5,000 . . . 3.00	10,000 . . . 5.00	20,000 . . . 9.00
30,000 . . . 13.00	40,000 . . . 17.00	50,000 . . . 21.00

3⅝×4⅛, 24s folio (stock, 20c.).

1,000 . . . $ 1.25	2,000 . . . $ 1.80	3,000 . . . $ 2.20
5,000 . . . 3.25	10,000 . . . 5.50	20,000 . . . 10.00
30,000 . . . 14.50	40,000 . . . 19.00	50,000 . . . 23.00

DEPOSIT TICKETS.

3½×5½, 20s of 20-lb. folio post at 8c. (paper 25c.).

1,000 . . . $ 1.50	2,000 . . . $ 2.00	3,000 . . . $ 2.50
5,000 . . . 3.50	10,000 . . . 6.00	20,000 . . . 11.00
30,000 . . . 16.00	40,000 . . . 21.00	50,000 . . . 25.00

4½×7, 8s of 12-lb. cap at 8c. (paper 38c.).

1,000 . . . $ 1.50	2,000 . . . $ 2.30	3,000 . . . $ 3.15
5,000 . . . 4.25	10,000 . . . 7.50	20,000 . . . 14.00
30,000 . . . 20.00	40,000 . . . 26.00	50,000 . . . 31.00

CERTIFICATES OF DEPOSIT.

PRINTED TWO ON A LEAF OF FOLDED HALF ROYAL.

	500 FORMS.	1000 FORMS.
Printed two forms on a leaf, using bond paper	$7.35	$10.00
Additional books in same order	3.60	7.00

NOTICES OF NOTES AND ACCEPTANCES.

3½×5½, 20s of 20-lb. folio post (paper 30c.).

1,000 . . . . . $ 1.50	2,000 . . . . . $ 2.40	3,000 . . . . . $ 3.30
5,000 . . . . . 4.20	10,000 . . . . . 8.00	20,000 . . . . . 15.00
30,000 . . . . . 21.00	40,000 . . . . . 26.00	50,000 . . . . . 30.00

BONDS AND COUPONS.

Township, school district, village and city bonds.	25 COPIES.	50 COPIES.	100 COPIES.
Bond with 10 coupons	$ 8.75	$ 8.95	$ 9.40
Additional 100 copies, $2.40.			
Full sheet cap bond with 20 coupons	14.00	15.00	16.00
Additional 100 copies, $3.30.			

RULED AND PRINTED BLANKS.

Double Cap (32-lb. paper, $1.20 per hundred; ruling, $2.50).	100 COPIES.	ADDED 100.
One form on a sheet, one side	$7.10	$1.50
Same, backed with one fold	9.10	1.65
Backed with same form	7.35	1.90
Two forms on a sheet, one side	7.35	1.65
Three forms on a sheet, one side	7.55	1.95
Four forms on a sheet, one side, setting two	9.30	1.80

Side lines of figures, etc., adjusted to ruled lines, will add $2.00 to first 100 copies.

Folio Post (24-lb. paper, 90c. per hundred; ruling, $2.50).		
One form on a sheet	6.00	1.25
Same, backed with one fold	8.25	1.30
Backed with same form	6.30	1.60
Two forms on a sheet, one side	6.25	1.50
Three forms on a sheet	6.50	1.70
Four forms on a sheet	7.65	1.50

Side lines of figures, etc., adjusted to ruled lines, will add $2.00 to first 100 copies.

Cap (16-lb. paper, 60c. per hundred; ruling, $2.00).		
One form on a sheet	4.70	.80
Same, backed with one fold	6.35	.90
Backed with same form	4.90	1.05
Two forms on a sheet, one side, setting two	5.80	.90
Three forms on a sheet, setting three	7.00	1.00
Four forms on a sheet	6.10	1.15

Half-Sheet Folio (24-lb. paper, 45c. per hundred; ruling, $1.50).		
One form on a sheet, one side	4.45	.75
Same, backed, with one fold	6.20	.90
Backed with same form	4.70	.90
Two forms on a sheet, one side, setting two	5.65	.75
Three forms on a sheet, one side, setting three	6.65	.75
Four forms on a sheet, one side, setting four	7.65	.75

Side lines of figures adjusted to ruled lines will add $1.50 to first 100 copies.

Half-Sheet of Cap (16-lb. paper, 30c. per hundred; ruling, $1.00).		
One form on a sheet	4.10	.55
Same, backed, with one fold	5.85	.65
Backed with same form	4.30	.65
Two forms on a sheet, one side, setting two	5.50	.60
Three forms on a sheet, setting three	6.50	.60
Four forms on a sheet, setting four	7.50	.60

Quarter-Sheet Folio (24-lb. paper, 23c. per hundred).		
One form on a sheet	3.95	.50
Backed, with one fold	5.50	.40
Backed with same form	4.15	.60

Quarter-Sheet Cap (16-lb. paper, 15c. per hundred; ruling, $1.00).		
One form on a sheet, one side	3.75	.40
Same, backed, with one fold	5.50	.40
Backed with same form	3.95	.50

Eighth Sheet of Folio (24-lb. paper, 12c. per hundred).		
One form on a sheet, one side	3.45	.30
Backed, one fold	4.80	.35
Same form on both sides	3.60	.35

Blanks without ruling, omit prices for ruling as given above.

BANKERS' DEPOSIT BOOKS.

With printing on cover and on second and third pages inside.

	FIRST 100	ADDED 100
Press or tag-board covers, 3⅜×5½ inches.		
6 leaves	$3.50	$2.00
12 leaves	4.50	3.00
24 leaves	5.50	4.00
Press or tag-board covers, 4¼×6¾ inches.		
12 leaves	5.00	3.40
24 leaves	6.00	4.50
Leather covers, 3⅜×5½ inches.		
24 leaves	10.00	8.00
Leather covers, 4¼×6¾ inches.		
24 leaves	14.00	9.00
Leather covers, 3¼×7¾ inches.		
24 leaves	14.00	9.00

Interleaved books—the large sizes will be $3.00 extra for each 100 books.

BLANK BOOKS.

In handling blank books, printers should abandon the quire figuring of 80 pages, and substitute 100 pages.

Half binding may be either tight or loose smooth back, with paper or cloth sides and leather corners, usually colored leather.

Three-quarter binding is first-class in every respect as to stock, usually russia back and corners, finished with raised cords or hubs and cloth sides.

Full end and band binding and extra russia ends and bands, full gilt back, are well-known to the trade and need not be described. The figures here submitted are for the best of their class as to binding.

FLAT CAP. 18-LB. WESTON OR BROWN.

Books of 400 pages—5 quires.	HALF BINDING.	THREE-QUARTER.	FULL E. & B.	EXTRA RUSSIA.
Ledgers, journals and blank books—paper, $1.25; ruling, $2.00	$5.20	$5.90	$8.20	$9.70
Added books in same order	3.50	4.20	6.50	8.00
Added 100 pages	.50	.50	.50	.50
Books with printed headings—ruling, $2.50; composition, $2.00; presswork, $1.30	9.00	9.70	12.00	13.50
Added books in same order	3.90	4.60	6.90	8.40
Added 100 pages	.60	.60	.60	.60
Books with full-page printing; border ruling, $1.50; composition, $3.00; presswork, $1.50	9.35	10.05	12.35	13.85
Added books in same order	3.80	4.50	6.80	8.30
Added 100 pages	.65	.65	.65	.65

If two pages are printed full, add $1.50 to each book.

Omitting border on full-page printed books will take off $1.50 from first book and 20c. from additional books.

For less number of pages, use the same figures as for additional 100 pages.

20-lb. best ledger will add 10c. for each 100 pages.

Index in front, add $1.25 to each book, including paper. Index through, add $2.00 to each book. Canvas cover, add $1.00.

Printed numbered lines down one page, add $1.00 to first book; and if on both pages, add $2.00 for first book.

Patent back, $1.25 extra.

All additions to be added to gross figures.

DEMY. 28-LB. WESTON OR BROWN.

Books of 400 pages—5 quires.	HALF BINDING.	THREE-QUARTER.	FULL E. & B.	EXTRA RUSSIA.
Ledgers, journals and blank books—paper, $2.15; ruling, $1.85	$6.15	$8.05	$9.45	$10.90
Added books in same order	4.40	6.30	7.70	9.15
Added 100 pages	.80	.80	.80	.80
Books with printed headings—ruling, $2.50; composition, $2.00; presswork, 1.30	10.10	12.00	13.40	14.85
Added books in same order	5.00	6.90	8.30	9.75
Added 100 pages	.90	.90	.90	.90
Books with full-page printing—border ruling, $1.50; composition, 4.00; presswork, $1.50	11.15	13.05	14.45	15.90
Added books in same order	5.00	6.90	8.30	9.75
Added 100 pages	.90	.90	.90	.90

If two pages are printed full, add $1.50 to each book.

Omitting border on full-page printed books will take off $1.50 from first book and 40c. from additional books.

For less number of pages, use the same figures as for additional 100 pages.

30-lb. best ledger will add 10c. for each 100 pages.

Index in front, add $1.50 to each book, including paper. Index through, add $2.00 to each book. Canvas cover, add $1.25. Patent back, $1.50 extra.

Printed numbered lines down one page, add $1.50 to first book; and if on both pages, add $2.50 for first book.

All additions to be added to gross figures.

MEDIUM. 36-LB. WESTON OR BROWN.

Books of 400 pages—5 quires.	HALF BINDING.	THREE-QUARTER.	FULL E. & B.	EXTRA RUSSIA.
Ledgers, journals and blank books—paper, $3.00; ruling, $2.75	$8.25	$10.35	$11.85	$12.45
Added books in same order	5.85	7.85	9.35	10.95
Added 100 pages	1.15	1.15	1.15	1.15
Books with printed headings—ruling, $2.75; composition, $3.00 presswork, $1.75	12.90	15.00	16.50	18.10
Added books in same order	6.55	8.65	10.15	11.35
Added 100 pages	1.25	1.25	1.25	1.25
Books with full-page printing—border, $1.75; composition, $5.00; presswork, $2.00	13.40	15.50	17.00	18.60
Added books in same order	6.55	8.65	10.15	11.35
Added 100 pages	1.25	1.25	1.25	1.25

If two pages are printed full, add $2.00 to each book.

Omitting border on full-page printed books will take off $1.75 from first book and 40c. from additional books.

For less number of pages, use the same figures as for additional 100 pages.

40-lb. best ledger will add 20c. for each 100 pages.

Index in front, add $1.50 to each book, including paper. Index through, add $2.00 to each book. Canvas cover, add $1.50. Patent backs, $2.00 extra.

Printed numbered lines down one page, add $2.00 to first book; and if on both pages add $3.00 for first book.

All additions to be added to gross figures.

DOUBLE CAP. 36-LB. WESTON OR BROWN.

Books of 400 pages—5 quires.	HALF BINDING.	THREE-QUARTER.	FULL E. & B.	EXTRA RUSSIA.
Ledgers, journals and blank books—paper, $2.50; ruling, $2.75	$8.00	$10.20	$11.70	$13.95
Added books in same order	6.10	8.30	9.80	12.05
Added 100 pages	1.05	1.05	1.05	1.05
Books with printed headings—ruling, $2.75; composition, $4.00; presswork, $1.75	13.65	14.85	17.35	19.60
Added books in same order	6.70	8.90	10.40	12.65
Added 100 pages	1.15	1.15	1.15	1.15
Books with full-page printing—ruling, $2.00; composition, $6.00; presswork, $2.00	14.90	17.10	18.60	20.85
Added books in same order	6.90	9.10	10.60	12.85
Added 100 pages	1.20	1.20	1.20	1.20

If two pages are printed full, add $2.00 to each book.

Omitting border on full-page printed books will take off $2.00 from first book and 40c. from additional books.

For less number of pages, use the same figures as for additional 100 pages.

40-lb. best ledger will add 15c. for each 100 pages.

Index in front, add $1.50 to each book, including paper. Index through, add $2.00 to each book. Canvas cover, add $2.00. Patent back, $2.00 extra.

Printed numbered lines down one page, add $2.00 to first book; and if on both pages, add $3.00 for first book.

All additions to be added to gross figures.

ROYAL. 44-LB. WESTON OR BROWN.

Use double cap table, and add $1.20 to each book of 400 pages, and 30c. for added 100 pages.

SUPER-ROYAL. 54-LB. WESTON OR BROWN.

Books of 400 pages—5 quires.	HALF BINDING.	THREE-QUARTER.	FULL, E. & B.	EXTRA RUSSIA.
Ledgers, journals and blank books—paper, $5.00; ruling, $3.50	$11.10	$13.50	$15.20	$17.65
Added books in same order	8.60	11.00	12.70	15.15
Added 100 pages	1.70	1.70	1.70	1.70
Books with printed headings—ruling, $3.50; composition, $5.00; presswork, $2.00	18.10	20.50	22.20	24.65
Added books in same order	9.40	11.80	13.50	15.95
Added 100 pages	1.90	1.90	1.90	1.90
Books with full-page printing—ruling, $3.50; composition, $9.00; presswork, $3.00	23.10	25.50	27.20	29.65
Added books in same order	9.60	12.00	13.70	16.15
Added 100 pages	2.00	2.00	2.00	2.00

If two pages are printed full, add $3.00 to each book.

Omitting border on full-page printed books will take off $3.50 from first book and 50c. from additional books.

For less number of pages, use the same figures as for additional 100 pages.

Index in front, add $2.00 to each book, including paper. Index through, add $2.00 to each book. Canvas cover, add $3.00. Patent back, $2.50 extra.

Printed numbered lines down one page, add $2.00 to first book; and if on both pages, add $3.00 for first book.

All additions to be added to gross figures.

DOUBLE DEMY. 56-LB. WESTON OR BROWN.

Books of 400 pages—5 quires.	HALF BINDING.	THREE-QUARTER.	FULL E. & B.	EXTRA RUSSIA.
Ledgers, journals and blank books—paper, $4.25; ruling, $3.50	$11.35	$14.35	$16.45	$19.55
Added books in same order	8.50	11.50	13.60	16.70
Added 100 pages	1.55	1.55	1.55	1.55
Books with printed headings—ruling, $3.50; composition, $5.00; presswork, $2.00	18.35	21.35	23.45	26.55
Added books in same order	9.10	12.10	14.20	17.30
Added 100 pages	1.70	1.70	1.70	1.70
Books with full-page printing—ruling, $3.50; composition, $9.00; presswork, $3.00	25.35	29.35	31.45	34.55
Added books in same order	9.30	12.30	14.40	17.50
Added 100 pages	1.80	1.80	1.80	1.80

If two pages are printed full, add $3.00 to each book.

Omitting border on full-page printed books will take off $3.50 from first book and 50c. from additional books.

For less number of pages, use the same figures as for additional 100 pages.

Index in front, add $2.00 to each book, including paper. Index through, add $2.00 to each book. Canvas cover, add $3.00. Patent back, $2.50 extra.

Printed numbered lines down one page, add $2.00 to first book; and if on both pages, add $3.00 for first book.

All additions to be added to gross figures.

DOUBLE MEDIUM. 72-LB. WESTON OR BROWN.

Books of 400 pages—5 quires.

	HALF BINDING.	THREE QUARTER.	FULL E. & B.	EXTRA RUSSIA.
Ledgers, journals and blank books—paper, $6.00; ruling, $4.00	$13.90	$17.50	$20.00	$23.75
Added books in same order	10.90	14.50	17.00	20.75
Added 100 pages	2.00	2.00	2.00	2.00
Books with printed headings—ruling, $4.00; composition, $6.00; presswork, $2.00	21.90	25.50	28.00	31.75
Added books in same order	11.50	15.10	17.60	21.35
Added 100 pages	2.20	2.20	2.20	2.20
Books with full-page printing—ruling, $3.50; composition, $10.00; presswork, $3.00	26.40	30.00	32.50	36.25
Added books in same order	11.70	15.30	17.80	21.55
Added 100 pages	2.30	2.30	2.30	2.30

If two pages are printed full, add $3.00 to each book.

Omitting border on full-page printed books will take off $3.50 from first book and 50c. from additional books.

For less number of pages, use the same figures as for additional 100 pages.

Index in front, add $2.50 to each book, including paper. Index through, add $2.00 to each book. Canvas cover, add $3.50. Patent back, $2.50 extra.

Printed numbered lines down one page, add $2.00 to first book; and if on both pages, add $3.00 for first book.

All additions to be added to gross figures.

BLANK BOOKS WITH STUBS OR DUPLICATES.

PRINTED, NUMBERED, PERFORATED AND BOUND.

	ONE BOOK 100 LEAVES.	ADDED 100 LEAVES IN SAME BOOK.
Half-Bound, Double Cap (32-lb. $1.20).		
Two forms on a full sheet; composition, $6.00, setting one.		
In duplicate, 200 forms	$12.50	$2.10
Additional books	4.90	2.10
Three forms on a full sheet; composition, $4.00, setting one.		
In duplicate, 300 forms	10.85	2.45
Additional books	5.25	2.45
Four forms on a full sheet; composition, $6.00, setting two.		
In duplicate, 400 forms	12.90	2.50
Additional books	5.30	2.50
Half-Bound, Folio Post (24-lb. 90c.).		
Two forms on a full sheet; composition, $4.00, setting one.		
In duplicate, 200 forms	8.40	1.80
Additional books	3.30	1.80
Three forms on a full sheet; composition, $3.00, setting one.		
In duplicate, 300 forms	7.75	2.15
Additional books	3.65	2.15
Four forms on a full sheet; composition, $4.00, setting two.		
In duplicate, 400 forms	8.80	2.20
Additional books	3.70	2.20
Five forms on a full sheet.		
In duplicate, 500 forms	10.00	2.40
Additional books	3.90	2.40
Six forms on a full sheet.		
In duplicate, 600 forms	10.20	2.50
Additional books	4.10	2.50
Half-Bound, Flat Cap (16-lb., 60c.).		
Two forms on a full sheet; composition, $3.00, setting one.		
In duplicate, 200 forms	7.40	1.50
Additional books	2.80	1.50
Three forms on a full sheet; composition, $2.00, setting one.		
In duplicate, 300 forms	6.75	1.85
Additional books	3.15	1.85
Four forms on a full sheet; composition, $3.00, setting two.		
In duplicate, 400 forms	7.80	1.90
Additional books	3.20	1.90
Five forms on a full sheet.		
In duplicate, 500 forms	9.00	2.10
Additional books	3.40	2.10

BLANK BOOKS WITH STUBS AND DUPLICATES.

PRINTED, NUMBERED, PERFORATED AND BOUND—*Continued.*

	ONE BOOK 100 LEAVES.	ADDED 100 LEAVES IN SAME BOOK.
Half-Bound, Half-Folio Post (24-lb., 45c.).		
Two forms on a half sheet; composition, $2.50, setting one.		
In duplicate, 200 forms	$6.05	$1.35
Additional books	2.45	1.35
Three forms on a half sheet; composition, $2.00, setting one.		
In duplicate, 300 forms	5.90	1.70
Additional books	2.80	1.70
Four forms on a half sheet; composition, $2.50, setting two.		
In duplicate, 400 forms	6.45	1.75
Additional books	2.85	1.75
Five forms on a half sheet; composition, $3.50, setting three.		
In duplicate, 500 forms	7.90	2.20
Additional books	3.30	2.20
Six forms on a half sheet; composition, $3.50, setting three.		
In duplicate, 600 forms	7.85	2.05
Additional books	3.15	2.05
Half-Bound, Half Cap (16-lb., 30c.).		
One form in duplicate	6.00	.80
Additional books	1.90	.80
Two forms on a half-sheet.		
In duplicate, 200 forms	6.70	1.00
Additional books	2.10	1.00
Three forms on a half sheet.		
In duplicate, 300 forms	6.90	1.20
Additional books	2.30	1.20
Four forms on a half sheet.		
In duplicate, 400 forms	7.10	1.30
Additional books	2.50	1.30
Five forms on a half sheet.		
In duplicate, 500 forms	7.30	1.40
Additional books	2.70	1.40
Half-Bound, Quarter-Sheet Folio (24-lb., 23c.).		
One form on a quarter sheet.		
In duplicate, 100 forms	5.90	.75
Additional books	1.80	.75
Two forms on a quarter sheet.		
In duplicate, 200 forms	6.60	.90
Additional books	2.00	.90
Three forms on a quarter sheet.		
In duplicate, 300 forms	6.80	1.15
Additional books	2.20	1.15
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In duplicate, 100 forms	4.10	.60
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Additional books	1.00	.40
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In duplicate, 100 forms	4.60	.55
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In duplicate, 200 forms	4.80	.75
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Triplicate forms, add for extra numbers and perforations on each book of 100 forms, 15 cents; 200 forms, 20 cents; 300 forms, 25 cents; 400 forms, 30 cents; 500 forms, 35 cents; 600 forms, 40 cents.

Check binding will reduce the figures on any one book $1.00. Duck binding will reduce the figures on any one book 50c.

If not numbered, reduce 10c. for every 100 forms.

COMMISSIONS SALES ACCOUNTS.

On 4s of 16-lb. cap, at 12c.; ruled to order.

100 copies, $3.50; 1,000 copies, $5.10. Added 1,000 copies, $2.60.

On 4s of 24-lb. folio, at 12c.; ruled to order.

100 copies, $2.70; 500 copies, $4.10; 1,000 copies, $6.00. Added 1,000 copies, $3.60.

GUARD BOOKS OR PLAT BOOKS.

Quarter medium, 150 leaves, manilla paper, half-bound, paper sides, $2.50.
Half medium, 200 leaves, $3.00.
Full medium size, 200 leaves, $5.00.
Large sizes, $6.00 to $10.00.

NUMBERING AND PERFORATING.

Consecutive numbering on cards, checks, deposit certificates, etc.:

500 numbers . . . . . $0.40 | 1,000 numbers $0.50

Over 1000 numbers, 50c. per 1000.

Perforating in small quantities:

100 perforations . . . . . $0.20 | 1,000 perforations $0.50
500 perforations . . . . . .40 | Over 1,000, per thousand 50

BINDING BLANK BOOKS WITHOUT THE RULING, PRINTING OR PAPER COUNTED IN.

400 pages—5 quires.	HALF BDG.	THREE QUARTERS.	FULL E. & B.	EXTRA E. & B.
Flat cap	$1.60	$2.30	$4.60	$6.10
Added 100 pages	.10	.10	.10	.10
Demy	1.80	3.70	5.10	6.55
Added 100 pages	.15	.15	.15	.15
Medium	2.15	4.25	5.75	7.35
Added 100 pages	.20	.20	.20	.20
Royal and double cap	2.40	4.60	6.10	8.35
Added 100 pages	.25	.25	.25	.25
Super royal	2.60	5.00	6.70	9.15
Added 100 pages	.25	.25	.25	.25
Double demy	3.25	6.25	8.35	11.45
Added 100 pages	.25	.25	.25	.25
Double medium	3.90	7.50	10.00	13.75
Added 100 pages	.25	.25	.25	.25

RULING ON BLANKS.

Demy or smaller, under 20 down pens.	100	250	500	1000	ADDED 100
One run	$0.90	$1.00	$1.10	$1.40	$0.05
Two runs	1.50	1.70	2.00	2.50	.08
Three runs	2.00	2.25	2.75	3.25	.12
Four runs	2.50	2.80	3.30	4.00	.15
Double cap or smaller, under 40 down pens.					
One run	1.00	1.25	1.60	2.00	.06
Two runs	1.80	2.10	2.50	3.10	.12
Three runs	2.50	2.85	3.50	4.25	.15
Four runs	3.00	3.50	4.10	5.00	.18
Double demy or smaller, under 60 down pens.					
One run	1.50	2.00	2.75	3.25	.08
Two runs	2.25	2.75	3.50	4.25	.16
Three runs	3.00	3.50	4.25	5.25	.20
Four runs	3.75	4.25	5.00	6.25	.25
Double medium or smaller, under 80 down pens.					
One run	2.00	2.50	3.00	3.75	.10
Two runs	3.00	3.50	4.00	5.00	.20
Three runs	4.00	4.50	5.00	6.25	.25
Four runs	5.00	5.50	6.00	7.50	.30

JOB BINDING, WITHOUT NUMBERING AND PERFORATING.

	CHECK.	DUCK.	HF. BDG.
Quarter cap or up to 4 x 12.			
Single books of 100 leaves or less	$0.15	$0.40	$0.75
Additional books in same order	.10	.30	.65
Twenty books or over, per book	.10	.25	.60
Books of 50 leaves only, in orders over 20, per book	.08	.20	.50
Quarter folio or up to 5½ x 17.			
Single books of 100 leaves or less	.25	.50	.90
Additional books in same order	.20	.40	.80
Twenty books or over, per book	.15	.35	.75
Single books of 200 leaves, or over 100 leaves	.30	.60	1.00
Additional books in same order	.25	.50	.90
Twenty books or over, per book	.20	.40	.80
Half sheet cap or up to 5⅓ x 22.			
Single books of 100 leaves or less	.30	.60	1.10
Additional books in same order	.25	.50	.90
Twenty books or over, per book	.20	.40	.80
Single books of 200 leaves, or over 100 leaves	.35	.65	1.10
Additional books in same order	.30	.55	1.00
Twenty books or over, per book	.25	.40	.90
Half sheet folio, demy or medium, either way.			
Single books of 100 leaves or less	.40	.70	1.10
Additional books in same order	.30	.60	1.00
Twenty books or over, per book	.25	.45	.75
Single books of 200 leaves, or over 100 leaves	.45	.75	1.15
Additional books in same order	.35	.65	1.05
Twenty books or over, per book	.30	.50	.80
Full sheet cap, not folded.			
Single books of 100 leaves or less	.45	.7	1.15
Additional books in same order	.35	.65	1.05
Twenty books or over, per book	.30	.50	.80
Single books of 200 leaves, or over 100 leaves	.50	.80	1.20
Additional books in same order	.40	.70	1.10
Twenty books or over, per book	.35	.55	.85

Perforating, 50c. per 1000 perforations.

Numbering, 50c. per 1000 numbers.

PAMPHLET BINDING.

	WITHOUT COVER.		WITH COVER.	
	SADDLE STITCH.	SIDE STITCH.	SADDLE STITCH.	SIDE STITCH.
8 pages, 1 form, per thousand copies	$1.30	$1.60	$2.00	$3.80
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16 pages, 1 form, per thousand copies	1.50	1.80	2.20	4.00
16 pages, 2 forms, per thousand copies	1.75	2.00	2.50	4.30
24 pages, 2 forms, per thousand copies	2.00	2.30	2.75	4.50
24 pages, 3 forms, per thousand copies	2.25	2.60	3.00	4.80
32 pages, 1 form, per thousand copies	2.00	2.30	2.50	4.50
32 pages, 2 forms, per thousand copies	2.25	2.60	3.00	4.80

	WITH COVER. SIDE STITCH.
32 pages, 3 forms, per thousand copies	$5.00
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40 pages, 3 forms, per thousand copies	5.00
40 pages, 4 forms, per thousand copies	5.25
40 pages, 5 forms, per thousand copies	5.50
48 pages, 2 forms, per thousand copies	5.00
48 pages, 3 forms, per thousand copies	5.25
48 pages, 4 forms, per thousand copies	5.50
48 pages, 5 forms, per thousand copies	5.75
48 pages, 6 forms, per thousand copies	6.00
56 pages, 3 forms, per thousand copies	5.50
56 pages, 4 forms, per thousand copies	$5.75
56 pages, 5 forms, per thousand copies	6.00
56 pages, 6 forms, per thousand copies	6.25
56 pages, 7 forms, per thousand copies	6.50
64 pages, 2 forms, per thousand copies	5.50
64 pages, 3 forms, per thousand copies	5.75
64 pages, 4 forms, per thousand copies	6.00
64 pages, 5 forms, per thousand copies	6.25
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Without cover, deduct $1.50. Every added 8-page form, 50c.; every added 16-page form, 75c. In orders less than 1000 use the proportionate value, adding one-tenth. On quarto forms add 10 per cent.

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The prices herewith are *net figures* for single books, or two of a kind. For three or more volumes of same finish, 5 per cent. reduction may be made. For ten or more volumes of same finish, a 10 per cent. reduction can be made.

STYLE OF BINDING.	5 x 8	6 x 9	8 x 11	11 x 16	
	UNDER 800 PP.	SIX MONTHS.	SIX MONTHS.	SIX MONTHS.	ONE YEAR.
	NOVELS, LIBRARY BOOKS.	SUCH AS CENTURY, HARPERS'	SUCH AS LESLIE'S MONTHLY	SUCH AS HARPERS' WEEKLY, YOUTHS' COMPANION	
Full cloth, stiff board sides	$0.65	$0.75	$1.00	$1.25	$1.50
Half sheep or roan, sprinkled edges, cloth or paper sides	.75	.90	1.25	2.00	2.50
Full sheep or roan, sprinkled edges	.85	1.00	1.50	2.00	2.50
Half sprinkled sheep, library style, cloth sides, sprinkled edges	.90	1.15	1.65	2.25	2.75
Full sprinkled sheep, sprinkled edges	.95	1.25	1.75	2.50	3.00
Full sprinkled sheep, marbled edges	1.05	1.35	1.90	2.75	3.25
Half imitation morocco, cloth or paper sides, sprinkled or marbled edges	1.10	1.25	1.75	3.00	3.50
Half genuine morocco, marbled edges	1.25	1.50	2.25	3.50	4.00
Gilt edge extra on any book	.50	.75	1.00	1.25	1.50

RE-BINDING FOR PUBLIC LIBRARIES, SCHOOLS, ETC.

STYLE OF BINDING.	24MO.	16MO.	12MO.	8VO.	4TO.
Half black leather (roan), cloth sides, no leather corners, gilt lettering on back, cloth joint	$0.40	$0.40	$0.50	$0.60	$1.25
Half sheep leather, cloth sides, no corners, ink lettering on back, cloth joint	.30	.30	.40	.50	1.10

BINDING SHEET MUSIC.

	PER VOL.
Half morocco, cloth or paper sides	$2.25
Half library roan, cloth or paper sides	1.75
Full morocco, flexible	3.00
Full roan or buffing, flexible	2.00
Full cloth, flexible or stiff	1.50

BINDING NEWSPAPER-FILES.

	PER VOL.
One-half canvas-back and paper board sides	$1.50
One-half roan, paper sides	2.00