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Miscellaneous printing plant equipment: time and labor-saving devices for the composing room, pressroom and bindery. [192-?]

American Type Founders Company

[Jersey City, New Jersey]: American Type Founders Sales Corporation, [192-?]

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276

PRINTING

OFFICE

NECESSITIES



AMERICAN TYPE

FOUNDERS

Silver Buckle Press

**P R I C E
L I S T
S U P P L E M E N T
N o . 1
t o
2 7 6
P R I N T I N G
O F F I C E
N E C E S S I T I E S**

**A M E R I C A N T Y P E
F O U N D E R S**

P R I C E L I S T

**PRICE
LIST**

SUPPLEMENT No. 1

to

276

**PRINTING
OFFICE
NECESSITIES**

THE ITEMS in this price list are arranged in alphabetical order, according to articles—viz:—APRONS,—BELLOWS,—BENZINE CANS, etc., and under each item will be found the various types and brands of such merchandise.

**AMERICAN TYPE
FOUNDERS**

276 PRINTING OFFICE NECESSITIES

APRON, Printers..... .90

BELLOWS, Regular

8 inch..... 2.00
10 inch..... 2.75

BELLOWS, Universal Cylinder, Wood

1—20 inch..... 2.25

BENZINE CANS

—Success Brass—

Pint..... 1.50
Quart..... 1.75
Extra Nozzles.....each .50

—Justrite—

(Write for prices)

BLANKETS, Felt and Rubber

(Write for prices)

BODKINS

Each..... .15
Per dozen..... 1.25

BRUSHES "Stapleset"

—Benzine—

	Half. doz.	Each
# 1 oval back, 5 $\frac{1}{8}$ x 2 $\frac{1}{4}$ " with 1 $\frac{1}{8}$ " long bristle.....	2.75	.50
# 2 oval back, 5 $\frac{1}{8}$ x 2 $\frac{1}{4}$ " with $\frac{3}{8}$ " long bristle.....	2.75	.50
Perfection, 4 $\frac{3}{8}$ x 2".....	3.25	.60

—Lye—

	Half. doz.	Each
# 7, tampico, 5 $\frac{3}{4}$ x 2 $\frac{3}{8}$ ".....	1.60	.30
# 8, " 7 $\frac{3}{4}$ x 2 $\frac{3}{8}$ ".....	1.90	.35
# 9, " 7 $\frac{3}{4}$ x 2 $\frac{7}{8}$ ".....	2.15	.40

—Plate—

American Plate, # 1, 2 $\frac{3}{8}$ x 4 $\frac{1}{8}$ ".....	4.90	.90
" " # 1 $\frac{1}{2}$, 2 $\frac{1}{2}$ x 5 $\frac{1}{4}$ ".....	7.25	1.35
" " # 2, 2 $\frac{3}{8}$ x 6 $\frac{3}{8}$ ".....	9.75	1.80

—Cement, Vulcanized in Rubber—

1 inch.....	.25	
1 $\frac{1}{2}$ inch.....	.35	
2 inch.....	.40	
3 inch.....	.60	
3 $\frac{1}{2}$ inch.....	.80	

—Stereotype—

# B2, 3 $\frac{1}{2}$ x 8" with 10" handle.....	11.00	
# A1, 3 $\frac{1}{2}$ x 8" with 12" handle.....	12.00	
# 247A, 3 x 6 $\frac{1}{2}$ " with 9 $\frac{3}{4}$ " handle.....	12.00	

—Smith's "Safety" Fountain—

Complete with model A or B brush.....	6.00	
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AMERICAN TYPE FOUNDERS

CARD CUTTERS

# 4256—Diamond	6 inch	2.00
# 4257—Dandy	8 "	2.50
# 4259—Studio	10 "	3.00
# 4362—Monarch	12 "	5.00
# 4260—Premium	12 "	15.00
# 4272—Popular	15 "	10.00
# 4619—Crown	15 "	12.00
# 4545—National	18 "	16.00
# 4620—Imperial	18 "	18.00
# 4336—Springfield	24 "	24.00

CEMENT, PAD

—Sphinx—		
½ pt.	.....	.30
Pint.	.....	.50
Quart.	.....	.90
—Super Nurex—		
Pint jar.	.....	.75
Quart can	.....	.25
½ gal.	.....	1.65
Gallon	.....	3.00
Gallon can.	.....	4.00
5 Gallon can, per gal.	3.75

CHAIRS, Linotype & Monotype Operators

"Postur Chair"

# 9500-½	10.90
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(Quantity discount on six (6) or more)

CHASES

SUPERIOR ELECTRIC—Welded Steel

(For C. & P., Challenge, Pearl, Peerless, Prouty, Victoria and Kluge Platen Presses)

Plain Chase—beveled

7 x 11"	.....	6.00	12 x 18"	.....	8.00
8 x 12"	.....	6.00	13 x 19"	.....	8.50
9 x 13"	.....	6.50	14 x 22"	.....	9.00
10 x 15"	.....	7.00	14½ x 22"	.....	9.00
11 x 17"	.....	7.50	15 x 21"	.....	9.75

(Other styles and sizes obtainable for all makes of presses—prices on request.)

COMPOSING AND MAKEUP RULES

15 cms and under (less than 12)	.....	each	.20
Pocket Rule Case	.....	.....	3.50
Perfection Rule Set	.....	.....	13.00

COMPOSING STICKS

Rouse Job Sticks (2 in. width)		Plain Steel	Stainless Steel
6 inch	.....	4.00	5.00
8 inch	.....	4.50	5.60
10 inch	.....	5.00	6.20
12 inch	.....	5.50	6.80
15 inch	.....	6.50	8.00
20 inch	.....	7.50	9.50

(For other styles and widths, write for prices)

COUNTERS, Redington

Model D, Job Press Counter	6.75
Model A, Cylinder Press Counter	6.25

DIVIDERS, Printers

.....	2.00
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EMBOSSING COMPOSITION

Burbanks, per lb. can.85
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276 PRINTING OFFICE NECESSITIES

ENGRAVERS' TOOLS, Stubs Steel

Set of six	3.00
Single tools	.....	.60

ENGRAVING TOOLS, Linoleum

Set of four	2.50
Single tools65

EYELETER, Bates Ajax Automatic

.....	7.50
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FOLDERS, Bone 8 inch

.....	ca. .35	per doz.	3.50
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FORM TRUCKS

—Superior—			
With iron wheels	6.00
With rubber tires	8.50

—Ideal—			
# 1 with iron wheels	6.00
# 2 with rubber tires	.....	.....	8.50

—Autogrip—			
With iron wheels	.....	.....	7.00
With rubber tires	.....	.....	10.00

FOUNTAIN DIVIDER

—Page—			
For Babcock Optimus	} per pair	8.50
Kelly B and # 2	.....	
Miehle Presses	.....	
Century Presses	.....	
Cottrell Presses (2 Rev. only)	.....	
Premier Whitlock Presses	.....	
Cottrell Multi-Color Presses	9.50	

—Acme—			
For Kelly Presses, all sizes	.....	} 8.50	
Miehle Cylinder Presses	.....	
Hodgman, Babcock, Optimus and Premier	.....	
Miehle Vertical	.....	7.50	

FRAMES, Adjustable Non-Offset

For Presses with Extension Deliveries			
Kelly B	.....	.....	18.00
Kelly # 2	.....	.....	22.00
Miehle Horizontal	.....	.....	20.00
Miller Simplex	.....	.....	20.00
Miller Highspeed	.....	.....	15.00

For Presses without Extension Deliveries			
Kelly B Racking Frame for sheets 10 x 12 to 18½ x 22½	.....	.....	15.00
Miehle Vertical " " " 7 x 11 to 13 x 20	.....	.....	15.00
# 2 Racking Frame for sheets 15 x 22 to 28 x 40	15.00
# 3 " " " " 23 x 32 to 44 x 62	20.00

FURNITURE, Any-Angle Lockup

Font	7.50
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FURNITURE—Wood, Iron, Steel and Metal

(Prices upon request)

GALLEYS—Brass, Pressed Steel, Plain or Cadmium Plated, Double or Single Wall

(Prices upon request)

GAUGE PINS, Megill

Golden Steel Nos. 1, 2, 3, 4, 5, 6.....	per doz.	.75
Original Steel Nos. 1, 2, 3, 4.....	per doz.	.75
Spring Tongue.....	set of 3—	.50 per doz. 1.80
Perfect Register.....	set of 3	1.75
Screw Adjusting.....	set of 3	1.75
Double Grip (for hand feed).....	set of 3	1.75
Double Grip (for Miller Feeder).....	set of 3	2.00

GAUGE PIN DRAWERS, Iron

.....	.50
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GRIPPER CROSSBARS AND FINGERS, Megill

Crossbar for presses up to 10 x 15.....	1.75
Crossbar for presses larger than 10 x 15 and up to and including 13 x 19.....	2.00
Gripper-fingers wide, narrow or marginal.....	each .60
Down fingers.....	.35
Inside marginal finger.....	.75

GAUGES, Type-High

Superior.....	1.75
Mills Three-Height.....	1.75
Challenge.....	1.50
Challenge Combination Base and Plate.....	3.00

GAUGES, Rouse Type

# 1—12", 6 and 12 pt. and Agate.....	.80
# 2—12", " " " " Inches.....	.80
# 3—8", " " " " Agate.....	.65
# 11—8", " " " " Inches.....	.65
# 4—18", " " " " Agate.....	1.75
# 5—18", " " " " Inches.....	1.75
# 6—22", " " " " Agate.....	2.25
# 7—22", " " " " Inches.....	2.25

GAUGES, Steel Tape

No. 686T.....	1.50
No. 686TA.....	1.75

GAUGE, Superior Paper Cutter Angle..... 16.50

GLUE AND GLUE POTS

(Prices on request)

INK, Amtyco

(Furnished in tubes and cans—prices on request)

INK, Cleer-Proof

10 oz. can.....	1.50
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INK STONES (marble, 1 inch thick)

8 x 12".....	1.75	12 x 18".....	2.65
10 x 15".....	1.85	18 x 24".....	5.25

KNIVES, Ink

—Angle—

# 601 Rd. End 6".....	.75	# 602 Sq. End 6".....	.75
# 801 " " 8".....	1.25	# 802 " " 8".....	1.25
# 1001 " " 10".....	2.00	# 1002 " " 10".....	2.00
# 803 — 8" Angle B (for cylinder presses).....	2.00		
# 1003—10" " " " " ".....	3.00		

—Style B Square End—

		Half doz.	Each
# 604 — 6 inch.....		5.40	1.00
# 804 — 8 ".....		9.50	1.75
# 1004—10 ".....		14.85	2.75
# 1204—12 ".....		18.90	3.50

—Round End Spatula—

		Half doz.	Each
# 405 —Style A 4 inch.....		2.70	.50
# 605 — " " 6 ".....		4.00	.75
# 805 — " " 8 ".....		5.40	1.00
# 1005— " " 10 ".....		9.50	1.75
# 1205— " " 12 ".....		12.15	2.25

—Square End Spatula—

		Half doz.	Each
# 606 —Style A 6 inch.....		4.00	.75
# 806 — " " 8 ".....		5.40	1.00
# 1006— " " 10 ".....		9.50	1.75
# 1206— " " 12 ".....		12.15	2.25

KNIVES, Miscellaneous

Gillette, Pressmen's (in leather case).....	1.00
Extra blades per packet of 5.....	.50
Hacksaw, Pressmen's (with case).....	.35
Overlay, regular (in case).....	.60
Tablet.....	.45
Handy Overlay.....	.40

KNIVES FOR PAPER CUTTERS

(Prices on request)

KNIFE STONE, Carborundum..... 2.00

LADLES, SKIMMERS AND INGOT MOLDS

—Ladles—

6" diameter, 29 ³ / ₄ " handle, with spout.....	3.00
6" " 21 ³ / ₄ " " without spout.....	2.50
8" " 36" " without long spout.....	5.00
10" " 36" " without long spout.....	7.00

—Skimmers—

5" diameter, 29 ³ / ₄ " handle.....	2.00
6" " 36 ³ / ₄ " ".....	3.00

—Ingot Molds—

With 30 compartments, cap. 50 lbs.....	6.00
With 20 " " 50 ".....	5.50
With 9 " " 27 ".....	3.00

LETTERING PALLET—for gold stamping..... 12.00

AMERICAN TYPE FOUNDERS

LINOTYPE METAL FURNACES

(Prices on request)

MAKE-READY MARK-OUT LIGHT

(Prices on request)

MAILERS

—Wing-Horton—(Brass)

# 1—size 1 $\frac{7}{8}$ "	25.00
# 2—“ 2 $\frac{1}{4}$ "	30.00
# 3—“ 2 $\frac{5}{8}$ "	35.00
# 4—“ 3"	40.00
# 5—“ 3 $\frac{1}{2}$ "	45.00
# 6—“ 3 $\frac{3}{8}$ "	50.00

—New Wing—(Aluminum)

# 1—size 1 $\frac{7}{8}$ "	22.00
# 2—“ 2 $\frac{1}{4}$ "	26.40
# 3—“ 2 $\frac{5}{8}$ "	30.80
# 4—“ 3"	35.20
# 5—“ 3 $\frac{1}{2}$ "	39.60
# 6—“ 3 $\frac{3}{8}$ "	44.00

MALLETS

—All Rawhide—

# 4—2 x 3 $\frac{1}{2}$ " weight 10 oz.	1.35
# 5—2 $\frac{3}{4}$ x 4 $\frac{1}{4}$ " " 21 "	3.00
# 10—2 x 3 $\frac{1}{2}$ " " 20 " (loaded)	1.55

—Hard Rubber Composition—

# 8—2 x 3 $\frac{1}{2}$ " weight 8 oz.	each 1.00—per doz.	8.00
# 16—2 $\frac{1}{2}$ x 4 $\frac{1}{2}$ " " 16 "	" 1.40—"	13.50
# 24—2 $\frac{7}{8}$ x 5 $\frac{1}{2}$ " " 24 "	" 1.75—"	18.50
# 41—3 $\frac{1}{2}$ x 5 $\frac{1}{2}$ " " 40 "	" 2.50	

MOUNTER, Magnetic Plate 1.50

NEWSPAPER BINDERS

—Barnhart—

Maximum size of page:

# 1—16 x 11	6.50
# 2—20 x 13	7.00
# 3—22 $\frac{1}{2}$ x 15 $\frac{1}{2}$	7.50
# 4—22 $\frac{1}{2}$ x 17 $\frac{1}{2}$	8.00
# 5—24 x 17 $\frac{1}{2}$	8.50
# 6—24 x 19	9.00
# 7—25 $\frac{1}{2}$ x 19	9.50

Additional strips for above—52 strips per box 2.00

—Superior—

26 inch.	2.90
30 "	2.90

NUMBERING MACHINES

(Prices on request)

OILY WASTE CANS

—Justrite—

# 1—11 $\frac{3}{4}$ x 13 inches	4.00
# 2—12 $\frac{1}{2}$ x 14 "	4.50
# 3—13 $\frac{1}{2}$ x 15 "	5.00
# 5—11 $\frac{1}{2}$ x 17 "	6.00

276 PRINTING OFFICE NECESSITIES

—McNutt—

# 1—11 $\frac{3}{4}$ x 14 $\frac{3}{4}$ inches	3.25
# 2—12 $\frac{3}{4}$ x 18 "	3.50
# 3—14 x 20 "	4.00
# 4—14 x 22 "	4.50
# 4—14 x 22 " with spec. ft. attachment	6.00
# 5—17 x 24 "	6.00
# 6—18 x 26 "	8.00
# 7—20 x 30 "	10.00
# 8—24 x 36 "	14.00

PAGE CORD per ball .25

PAGE FRAMES, ROUSE

(Prices on request)

PAPER COUNTER 1.50

PAD COUNTER (Quick-As-A-Wink)50

PASTE

—Sphinx—

$\frac{1}{2}$ pt.	.30	$\frac{1}{2}$ Gal.	.90
Pt.	.35	Gal.	1.60
Qt.	.60		

—American—

$\frac{1}{2}$ pt.	.15	Gal.	1.35
Pt.	.30	5 gal. Kit, per gal.	.75
Qt.	.50	10 gal. Keg, per gal.	.65
$\frac{1}{2}$ gal.	.75		

—Web (for Rotary and Cylinder Presses)

$\frac{1}{2}$ pt.	.20	5 gal. Kit, per gal.	1.30
Pt.	.35	10 gal. Keg, per gal.	1.20
Qt.	.60	32 gal. Bbl., " " "	1.10
$\frac{1}{2}$ gal.	.90	55 gal. " " "	1.00
Gal.	1.50		

PASTE, Wrist (a device for holding paste)40

PERFORATORS

—Burch (to be locked up in form)—

6 inch perforates 4 $\frac{7}{8}$ "	7.00
7 " " 5 $\frac{7}{8}$ "	7.50
8 " " 6 $\frac{7}{8}$ "	8.00
9 " " 7 $\frac{7}{8}$ "	8.50
10 " " 8 $\frac{7}{8}$ "	9.00
12 " " 10 $\frac{7}{8}$ "	10.00
15 " " 13 $\frac{7}{8}$ "	11.50
18 " " 16 $\frac{7}{8}$ "	13.00
Scoring Blades up to 12 inches	2.50
" " " 15 "	3.00
" " " 18 "	3.50

—Cowan—

For Kelly Press, Style A or B.	15.00
" " " #1 or 2 (extra bar needed)	15.00
Extra bar for #1 or 2 Kelly	7.50
For Miehle Vertical	15.00
(For other style presses, write for prices)	
Extra wheels	each 1.50
" bands up to 20"	per doz. 1.50
" " " 30"	" " 2.00
" " " over 30"	" " 2.50

PLANERS, Ordinary and Proof

# 5837	1.25	# 5843	.75
# 5839	.55	# 5845	.25

PLIERS

Smooth Jaw Parallel, for couplers	2.00
6 inch Round Nose	.50

PRESS PUNCH, Ejector

3/32, 1/8, 5/32, 3/16, 7/32 or 1/4 inch on 7/16" sq. body	each	.60
5/32, 3/16 or 3/8 inch on 9/16" sq. body	each	1.00
1/4 or 1/2 inch on 3/4" sq. body	each	1.30
5/8 inch on 7/8" sq. body	each	1.40
(Quantity discount on 12 and over)		

PRESS BRAKES, Superior

(Prices on request)

PRESS SEATS

(Prices on request)

PUNCHES, Hand

—Sieber, Adjustable—

Junior Hand Punch with 2 solid Round Hole Dies less than 1/2" diameter	18.00
Hand Punch with 2 solid Round Hole Dies less than 1/2" diameter. Will punch 8 1/2" center to center	25.00
Improved rear gauge for Adjustable Hand Punch (2 are necessary for each punch)	.60

QUOINS AND KEYS

(Prices on request)

ROLLER SUPPORTERS

(Press Size)	(Per Pr.)	(Press Size)	(Per Pr.)
5 x 8	.40	11 x 17	.60
6 x 10	.40	12 x 18	.65
7 x 11	.45	13 x 19	.65
8 x 12	.50	14 x 20	.75
9 x 13	.50	14 1/2 x 22	.75
10 x 15	.55		

ROLLERS, Hand

—Superior—

(To be cast 1 3/4" in diameter, casting extra)

3 in. Style # 1B (all iron) frame and core	.80
3 " " # 2B (wood handle) frame and core	1.00
3 " " # 3B (same as # 1B) nickel plated	1.50
6 " " # 1 (all iron) frame and core	1.25
8 " " # 1A (all iron) frame and core	1.50
6 " " # 2 (wood handle) frame and core	1.50
8 " " # 2A (wood handle) frame and core	1.75

—X-L Proof—

	Without Idlers	With Idlers
8 in. 1 handle	2.50	7.35
10 in. 1 " " " "	3.00	8.05
12 in. 2 handles	3.50	8.75
14 in. 2 " " " "	4.00	9.45
Core only, any size		.50

ROLLER SPRAY, Amtycro

(Keeps the ink and rollers soft and pliable)

1 Qt. can	1.00	3 Gal. can	per gal. 2.75
1 Gal. can	3.00	5 " " "	" " 2.50
Sprayers, each			.75

ROLLER RACKS, Rosback All-Steel

8 x 12—Holds 9 rollers	3.50
10 x 15— " 9 "	3.75
12 x 18— " 9 "	4.00
14 x 22— " 9 "	4.50
Style B Kelly—Holds 9 rollers	6.00
Kelly # 2—Holds 9 rollers	9.00
Kelly Automatic Jobber	6.00
Laureate	5.00
Miehle Vertical	4.00
Miller High Speed	6.00
John Thompson	5.00

ROLLER TRUCKS, "Morgan Expansion"

(Give size and make of press when ordering)		
For 8 x 12 C & P	per set of 6	7.75
" 10 x 15 "	" " 6	8.00
" 12 x 18 "	" " 6	9.00
" 14 1/2 x 22 "	" " 8	12.00
Extra rubbers 8 x 12	per doz.	1.75
" 10 x 15	" "	2.00
" 12 x 18	" "	2.40
" 14 1/2 x 22	" "	2.40
trucks for 8 x 12 or 10 x 15	price each	1.35
" for all other sizes	" "	1.55

RUBBERS, Finishers

# 898 for electrotypes	each	.40	per doz.	3.00
# 1098 for half-tones	"	.40	" "	3.00

SAWS

—Adjustable Hack Saw—	
# 110 with one dozen Chromol blades	1.50
8 inch Chromol Hack Saw blades	per doz. .75
—Back or Miter Saw—	
# 2, 10 inch Atkins Back or Miter Saw	each 3.00

SENNETT POSITIVE MATRIX ASSEMBLER

Sennett Assembler including star wheel, one positive assembler belt, and new assembler drive belt, ready for installation	12.00
(Specify serial No. and Model when ordering)	

SLUG CLIPPER, Rouse

# 1 with 30 cm push button gauge	
Less than 6	each 7.50
6 or more	" 7.00
# 2 with 1 1/2" shelf, without gauge	
Less than 6	each 4.50
6 or more	" 4.00

SPADE, Challenge Ink

	.50
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STAPLE BINDERS

—Boston—

Style A with iron pedestal	45.00
Style B for attaching to bench	35.00
Extension table for Style A or B when ordered with staple binder	4.00
Extension table for Style A or B when ordered separately	4.80

—Acme—

Midget—New Model—nickel	5.50
(1) Midget—12 inch—nickel	12.50
Sure Shot—japanned	5.50
Sure Shot—nickel	5.75
# 1 Japanned	8.50
# 1 nickel	8.75
# 1 heavy duty—japanned—for xxxx staples	9.00
(1) # 1—12 inch—japanned	12.50
# 2 nickel	5.50
(1) # 2—12 inch	12.50
# 61 Box Stapler	25.00
# Y japanned	8.50
(1) # Y Special—12 inch—japanned	12.50
(1) For both flat and saddle back work.	

AMERICAN TYPE FOUNDERS

—Bates—

- Model B—olive green finish with 1 spool of wire which makes approximately 5M staples 6.00
 - Deep throated Stapler—15 inch reach for stitching calendars, etc., with 1 spool of wire which makes approximately 5M staples 15.00
 - Foot Power attachment for Model B 15.00
 - Pedestal complete for Model B 25.00
- (F.O.B. Orange, N. J.)
- (1) Extra wire refills each 1.00
(i) (When ordering specify model.)

STAPLES (Prices of staples vary according to quantities)

SECTIONAL BASE EQUIPMENT (Prices on request)

TABLET PRESSES

—Perfection—(Prices on request)

—Practical—

- # 3C—3 clamp device, 24 x 30 x 1 inch frame cap. about 18,000 sheets 10.00
 - # 4C—4 clamp device, 24 x 40 x 1 1/4 inch frame cap. about 24,000 sheets 12.50
 - # 5C—5 clamp device, 24 x 50 x 1 1/2 inch frame cap. about 30,000 sheets 15.00
- (F.O.B. Denver, Colo.)

TAPE—"Red Line" 36 yard rolls

Width of Tape	5 rolls or less—		6 to 11 rolls—		12 rolls and over—	
	Price ca.		Price ca.		Price ca.	
3/8 inch per roll	1.00		.90		.85	
1/2 " " "	1.10		1.00		.90	
5/8 " " "	1.30		1.15		1.05	
3/4 " " "	1.40		1.25		1.10	
7/8 " " "	1.65		1.50		1.40	
1 " " "	1.90		1.75		1.65	
1 1/8 " " "	2.15		2.00		1.90	
1 1/4 " " "	2.40		2.25		2.15	
1 1/2 " " "	2.90		2.75		2.65	
2 " " "	3.90		3.75		3.65	

TAPE COUPLERS, "Run Easy", in Boxes of 50

3/8 inch per box	1.25	3/8 inch per box	1.75
1/2 " " " " " "	1.25	1 " " " " " "	2.00
5/8 " " " " " "	1.40	1 1/8 " " " " " "	2.00
3/4 " " " " " "	1.75	1 1/4 " " " " " "	2.25

PLIERS, Smooth Jaw Parallel

For fastening couplers 2.00

COTTON CAPE CEMENT, R-a-p-a-d

- R-a-p-a-d Cement 1/2 pt. jar 1.50
- R-a-p-a-d Tape Comb50

TWEEZERS

No.	Size In.	Half doz.	Each
3	4 1/4 with locking folding bodkin	5.00	1.00
4	4 1/4 with plain folding bodkin	5.00	1.00
5	4 regular head	2.50	.50
6	4 3/8 shim in head	3.25	.65
7	4 shim in head	2.50	.50
8	4 3/8 regular head	3.00	.60
9	4 with patented gravity lock	4.25	.85
11A	3 1/2 regular head	1.75	.30

TYMPAN PAPER (Prices on request)

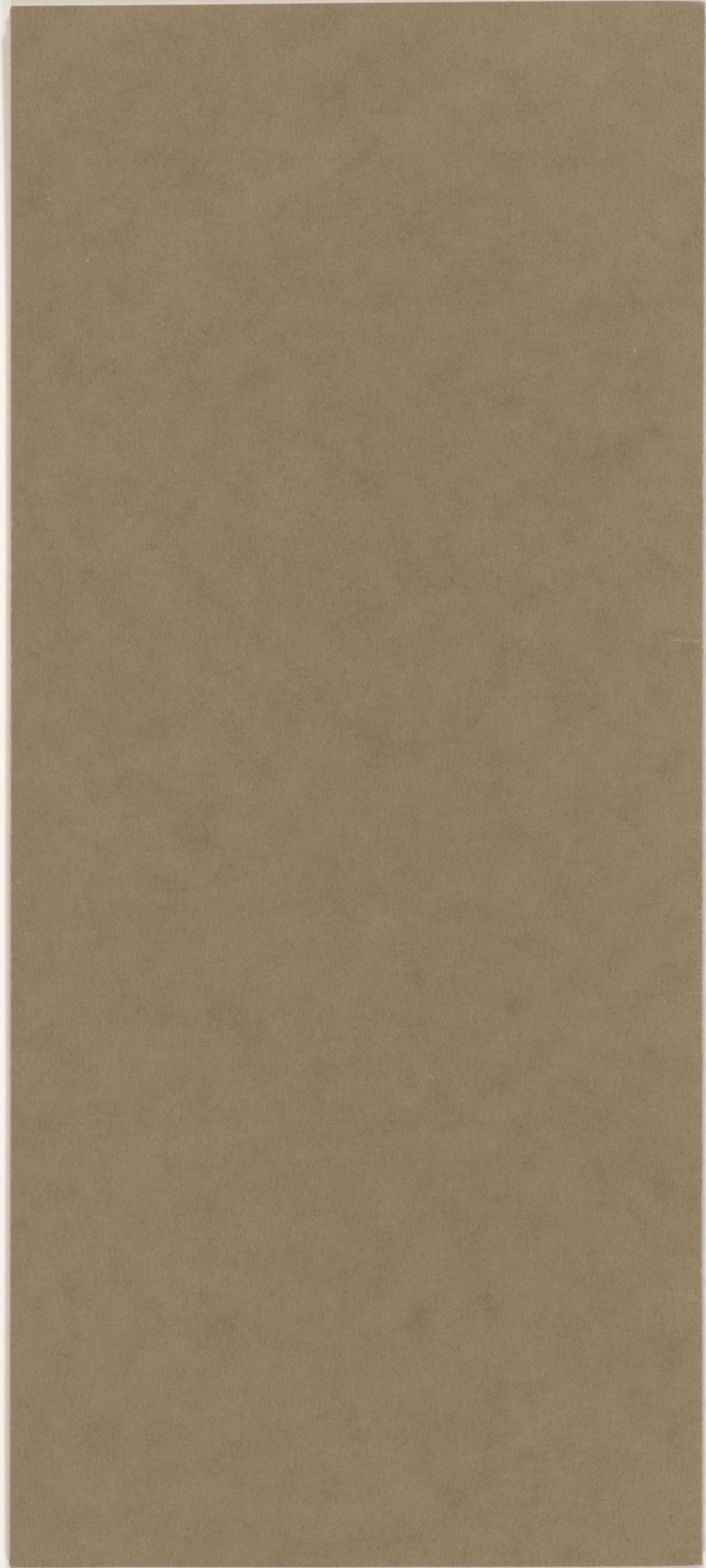
TYMPAN PAPER HOLDER (Prices on request)

TYPE WASH AND LYE (Prices on request)

WIRE, Bookbinders (Prices on request)

SPOOLS

- No. 5—Wooden Spools each .25
- No. 6—Steel Spools " .35
- Model E " 2.50
- Model K " 1.00



MISCELLANEOUS
PRINTING PLANT
EQUIPMENT



TIME AND LABOR-SAVING DEVICES
FOR THE COMPOSING ROOM
PRESSROOM AND
BINDERY



ISSUED BY THE
AMERICAN TYPE FOUNDERS
SALES CORPORATION

The Largest Distributor of Printers' Supplies in the World

American Type Founders

Sales Corporation



Location of Selling Branches

BOSTON, MASS. 270 Congress Street
NEW YORK CITY 104 East Twenty-fifth Street
PHILADELPHIA, PA. Thirteenth and Cherry Streets
BALTIMORE, MD. 109 South Hanover Street
BUFFALO, N. Y. 327 Washington Street
PITTSBURGH, PA. 405 Penn Avenue
CLEVELAND, OHIO 1231 Superior Avenue
CINCINNATI, OHIO 646 Main Street
ATLANTA, GA. 192 Central Avenue, S. W.
CHICAGO, ILL. 519 West Monroe Street
DETROIT, MICH. 557 West Larned Street
WASHINGTON, D. C. 1224 H Street, N. W.
ST. LOUIS, MO. Ninth and Walnut Streets
MILWAUKEE, WIS. 607 North Second Street
MINNEAPOLIS, MINN. 421 Fourth Street, South
KANSAS CITY, MO. 932 Wyandotte Street
DENVER, COLO. 1351 Stout Street
PORTLAND, ORE. 115 S. W. Fourth Avenue
SAN FRANCISCO, CAL. 500 Howard Street
VANCOUVER, B. C. 571 Hamilton Street
SEATTLE, WASH. Western Avenue and Columbia
DALLAS, TEXAS 600 South Akard Street
LOS ANGELES, CAL. 222 South Los Angeles Street



Printed on No. 2 Kelly Automatic Presses with Amtyco Ink
TYPE USED: Century Oldstyle for the body; Stymie Family for headings
and display; Piranesi and Piranesi Italic on this page

Z
249
1157

GOOD AMERICAN TYPE

WHEN IT was decided to issue this catalogue, the question immediately came up as to the advisability of using in it standing type matter from previous catalogues that had been run in several very large editions. We were faced with the problem that so frequently puzzles printers: How many impressions can be made direct from foundry type before the natural wear makes the type unsuitable for good work?

Many pages of this catalogue, of which a large edition is being printed, are made up entirely from the old forms. Others have a mixture of old type and new where corrections and additions were made. Much of the type will have made as many as 175,000 impressions by the time this catalogue is printed.

These pages contain not only valuable information concerning Material and Equipment for the Printer, but furnish evidence of the long life and the money-making quality of American foundry type. Examine the book carefully. Despite the fact that many of the pages were taken bodily from former catalogues, with a previous record of more than 100,000 impressions, the type continues to give an excellent account of itself.

FOUNDRY TYPE
IS ALWAYS THE BEST TYPE

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CEMENT BRUSH

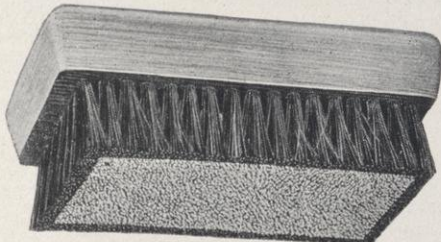
CEMENT BRUSHES

Made in the following sizes: 1 inch, 1½ inch, 2 inch, 3 inch and 3½ inch.

AMERICAN *Stapleset* PLATE BRUSH

WILL NOT SCRATCH THE FINEST HALFTONE

The American Plate Brush is made in three sizes to accommodate the entire range of work in both the job pressroom and the cylinder pressroom. The body of the American Plate Brush is made of fine brass wire of such delicate fibre that it will not scratch the finest type face or halftone. Around the edges of the brush is placed a row of bristles which prevents edges turning over, and wire becoming matted, as is the case with all-wire brushes. The bristles also act as a wiper after the wire portion of the brush has picked out the sediment in a halftone, electrotype or in type matter. The American Plate Brush is the only perfect plate-cleaning brush on the market. Thousands of them are in daily use and giving entire satisfaction. No printing office is complete without one or more of these brushes.

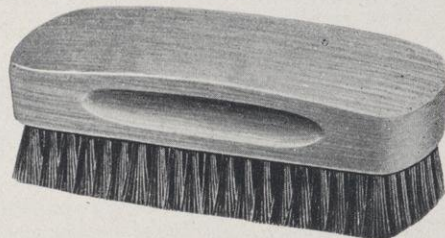


AMERICAN STAPLESET PLATE BRUSH

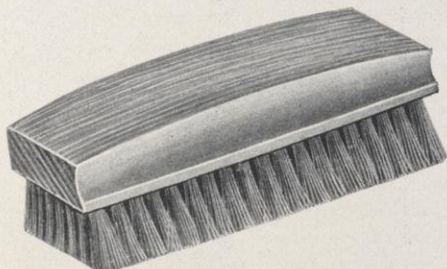
American Plate Brush No. 1, size 2⅞x4¼ inches
 American Plate Brush No. 1½, size 2½x5¼ inches
 American Plate Brush No. 2, size 2⅞x6⅞ inches

AMERICAN *Stapleset* PERFECTION BENZINE BRUSH

This without doubt is the best Benzine Brush on the market. Size 4⅞x2 inches. Made with ten rows of pure China bristles. Solid hardwood back, in natural finish. A superior brush at a medium price.



AMERICAN STAPLESET PERFECTION BENZINE BRUSH



AMERICAN STAPLESET OVAL BACK BENZINE BRUSH

AMERICAN *Stapleset* BENZINE BRUSH

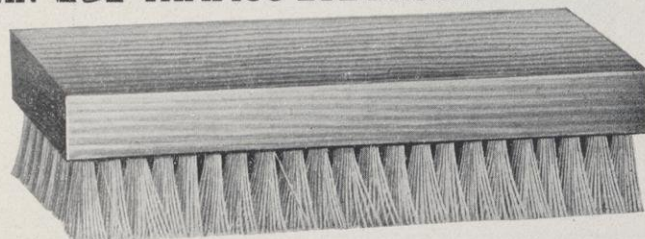
American Stapleset Oval Back Benzine Brush is the old reliable benzine brush, size 5½x2¼ inches. Made with solid hardwood back and black bristles. Supplied in two lengths of bristles.

No. 1 Oval Back Benzine Brush, long (1½ inch) bristles
 No. 2 Oval Back Benzine Brush, short (¾ inch) bristles
 No. 15, bristle, 6½x2⅞ in. No. 25, bristle, 6½x2⅞ in.
 No. 20, bristle, 7¼x2⅞ in. No. 30, bristle, 7¼x2⅞ in.

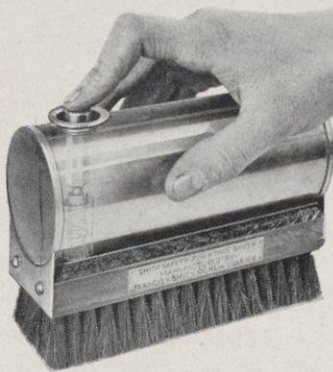
AMERICAN *Stapleset* TAMPICO LYE BRUSH

The American Stapleset Tampico Lye Brush is sturdy and serviceable. Made of best white tampico, solid back.

No. 7, small (2⅞x5¾ inches)
 No. 8, medium (2⅞x7¾ inches)
 No. 9, large (2⅞x7¾ inches)



AMERICAN STAPLESET TAMPICO LYE BRUSH



SMITH "SAFETY" FOUNTAIN BRUSH

A combination can and brush for benzine, gasoline, kerosene, and all other type cleansing liquids. Constructed entirely of 20-gauge brass, and has a capacity for one pint. The container located on top of brush serves as a handle, and affords a safeguard from damage to fingers. Brush stock is made of hard maple and best grade of hair and bristle, wire drawn, and can be reversed or replaced when worn. The valve mechanism is indestructible, and prevents waste and evaporation. Fuse metal in cap will melt under slight heat, thereby preventing explosion and spread of flaming liquid in case of fire. Size 2½x6 in.

LEADER BOX

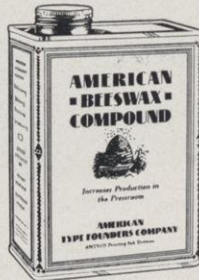
No. 3185—Hamilton Leader Box, size 5x8x1¾ in.

These are handy and efficient boxes to have around the composing room.

They are adapted not only for various sizes and faces of leaders, but for special or unusual material.



HAMILTON LEADER BOX



AMERICAN BEESWAX COMPOUND

Eliminates slipsheeting, prevents offsetting, sets ink immediately, thereby increasing production.

American Beeswax Compound is a scientifically prepared liquid wax substance guaranteed to reduce to a minimum many vexing pressroom troubles. Adds decidedly to the penetrating qualities of all printing inks, and sets the ink on the paper within a remarkably short time, permitting the handling of printed sheets hours quicker than when ink is used to which the Compound has not been added.

WASTE PAPER BALERS



MODEL 14. BALE: 14x16x27

The safest place for waste paper in any establishment is in a steel container. The Steel Paper Balers are saving thousands of dollars in the printing plants of the country. By their use you not only retrieve dollars that would otherwise be wasted, but probably save lives and property. Loose paper has no value, and is one of the worst fire hazards. In a baled condition it will more than pay its way. Saving only ten cents worth of waste paper a day will pay a handsome dividend on the small comparative cost of a steel baler. Made in



MODEL 1 A. BALE: 16x20x30

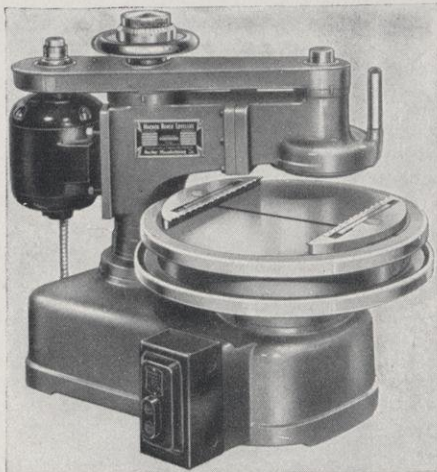
many sizes and occupying only floor space which might otherwise not be used. Balers are made for every purpose, and information concerning them is free for the asking.

BENCH MODEL No. 3 HACKER BLOCK LEVELLER

Here is a machine for planing wood-mounted halftones, electros and zincs to type-high, or to level them so they can be underlaid to type-high. It can be the means of saving a great deal of press make-ready time.

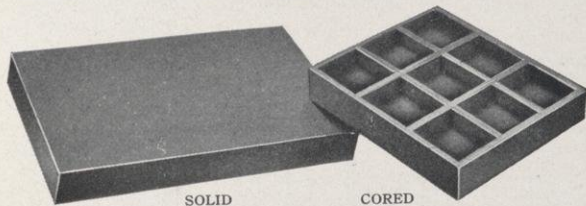
This bench model No. 3 Hacker Block Leveller is a precision tool of the highest order. It planes and levels blocks to .001 inch. It has a single 6-tooth cutter, secured by a single nut. Cutter is always square to the work. Chips are drawn away from the work and blown out through the bottom.

Capacity 9x15 inches. Net weight 410 pounds. Can be supplied with iron floor pedestal as an extra.



CHALLENGE "STA-RITE" STEEL ALLOY NEWSPAPER BASES

These bases are made from fine-grained Steel Alloy Castings with utmost precision in workmanship. They are made in solid or cored bases—as specified. They will not dent or bruise and are not injured by tight locking or by application of heat. Challenge "Sta-Rite" Newspaper Bases are accurate, rigid, non-shrinkable and indestructible, forming a permanent addition to the equipment of any shop.



SOLID

CORED

Solid "Sta-Rite" Bases are made of solid steel alloy castings, especially treated to prevent shrinking, or warping after machining and are guaranteed to retain their shape and all their accurate dimensions. Cored "Sta-Rite" Bases are made of the same steel alloy castings. The bases are cored to make them lighter in weight. Note the strong ribbing on the under side of the base—a positive support that will not allow plates to "give" or sag under the heaviest pressure.

Challenge "Sta-Rite" Steel Alloy Newspaper Bases—Solid or Cored—are accurately finished—.759-inch high for standard electrotype plates, .853-inch high for halftone or zinc plates. The .759 height will work with standard height bases and sectional blocks. Special sizes and heights made to order promptly. Made in 1/2, 1, 1 1/2, 2, 3 and 4-column widths and 1 to 36-em lengths—also in labor-saving sizes from 3x4 to 10x50 ems pica. Specify Challenge "Sta-Rite" Newspaper Base when ordering. State whether solid or cored bases are desired.

JUSTRITE NON-EXPLOSIVE BENZINE CANS

Justrite Non-Explosive Benzine Cans meet all requirements of the Board of Fire Underwriters as a protection to life and property. An ingenious device in the top of the can prevents the liquid from escaping unintentionally, making the can entirely safe.

The larger cans are generally used for storage purposes, while the smaller sizes may be safely handled in the composing room or pressroom. They are made in seven sizes.



THREE GALLON CAN

MADE IN THE FOLLOWING SIZES:

One pint	One gallon	Three gallon
One quart	Two gallon	Five gallon
Two quart		



QUART CAN

SUCCESS BENZINE CANS

Success Benzine Cans are made in two sizes: pint and quart. They are strong and durable, being made of extra heavy brass. The Success Benzine Can is unquestionably the most popular container on the market and thousands are in use in printing offices and wherever benzine cans are required.



PINT CAN

QUART CAN

JUSTRITE OILY WASTE OR RAG CAN

JUSTRITE OILY
WASTE CAN

Justrite Oily Waste Cans bear the official label of the National Board of Fire Underwriters, thus insuring protection not afforded by the use of inferior oily waste cans. It is the only automatic oily waste can made, and the patented foot lever is novel and appeals to all users. A slight pressure of the foot raises the cover, leaving both hands free to insert the rags. This obviates all desire to block the cover open and greatly increases its efficiency over all others. On the removal of the foot from the foot-lever the cover closes automatically. It is easy to carry, absolutely safe, convenient, clean and durable.

SIZES EXCLUSIVE OF LEGS:

No. 1—11¾x13 inches

No. 2—12½x14 inches

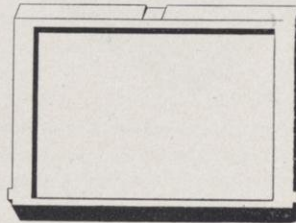
No. 3—13½x15 inches

No. 5—15½x17 inches

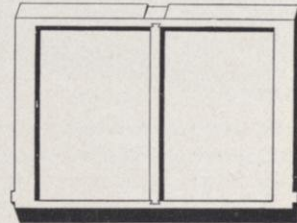
SUPERIOR ELECTRIC WELDED STEEL JOB CHASES

Superior Electric Welded Steel Job Chases are becoming more generally used year by year. They are much stronger and more satisfactory to use than cast iron chases and are made in a number of styles.

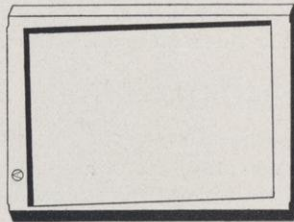
These chases are made for all sizes of Chandler & Price Job Presses. Special sizes made to order. Write for information and prices.



PLAIN JOB CHASE
The regulation steel chase
generally used



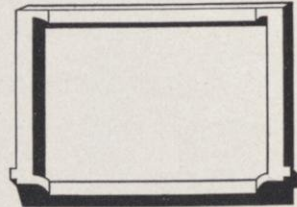
JOB CHASE WITH BAR
For divided forms such as brief
work and booklets



BIASED JOB CHASE
Brass rule blanks locked at an
angle saves rollers



SPIDER JOB CHASE
For locking up small forms; a fur-
niture saver; very rigid



JOB CHASE WITH BEARERS
The bearers are part of the chase;
substantial; saves time

Chases with special features such as the biased chase for rule forms, spider chase for very small forms and chases with the sides serving as bearers are gaining in popular favor through users appreciating the proven advantages.

An order for one is generally followed by an order for others.

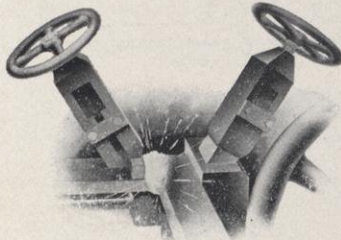
SEMI-STEEL JOB PRESS CHASES

Semi-Steel Job Press Chases are built to withstand the rough treatment which they get. If one breaks, it will be replaced free of charge. As a safety factor, corners are sunk and rounded so as to eliminate cracks before they start. Inside edges are milled two at a time—this insures their being absolutely parallel. Identify Semi-Steel chases by the knobs.

Spider chases of Semi-Steel can also be supplied for the various sizes of Chandler & Price Presses.

SUPERIOR ELECTRIC WELDED STEEL CHASES

Through Electric Welding the Four Bars Become One Solid, Perfect Piece of Steel



A chase is only as strong as its corners; no other corner is as strong as the solid one-piece electric welded kind. Brazed or riveted corners or other two-piece corners, regardless of process of making, are bound to be weaker than the solid steel.

In electric welding precisely the right heat may be applied to obtain that degree of fusibility necessary to cause the molecules of steel to intermingle just exactly as they would were the metal melted and cast in a mold—that's why through electric welding the four bars of the chase become one solid, perfect piece of steel.

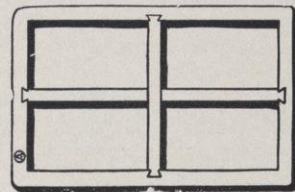
In ordinary welding the heat of the forge or furnace is applied to the exterior and works inward, which naturally causes the surface to become much hotter than the interior, and, although apparently a good weld is effected on the outside, the center is often defective.

Electric welding is exactly the opposite; heat is first generated at the center of the bars and works outward, and with the visible exterior thoroughly welded, there can be absolutely no doubt that the interior is perfectly welded.

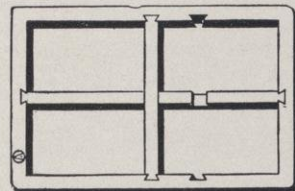
DIAGRAM AND SIZES OF SUPERIOR ELECTRIC WELDED STEEL BOOK CHASES

No.	Outside Measurement Inches	Measurement Length and Breadth Inches	Width of Side Bars Inches	Width of End Bars Inches
1	17x21	38	1	1
2	20x25	45	1 1/16	1 1/16
3	21x27	48	1 1/16	1 1/16
4	22x27	49	1 1/16	1 1/16
5	22x28	50	1 1/16	1 1/16
6	23x29	52	1 1/16	1 1/16
7	24x30	54	1 1/16	1 1/16
8	25x30	55	1 1/16	1 1/16
9	26x32	58	1 1/16	1 1/16
10	26x34	60	1 1/16	1 1/16
11	25x35	60	1 1/16	1 1/16
12	26x36	62	1 3/16	1 3/16
13	27x39	66	1 3/16	1 3/16
14	29x41	70	1 3/16	1 3/16
15	29x42	71	1 3/16	1 3/16
16	30x42	72	1 3/16	1 3/16
17	32x44	76	1 3/16	1 3/16
18	32x46	78	1 3/16	1 3/16
19	32x47	79	1 3/16	1 3/16
20	33 1/2 x 46	79 1/2	1 3/16	1 3/16
21	33 1/2 x 48	81 1/2	1 3/16	1 3/16
22	34x48	82	1 3/16	1 3/16
23	35x50	85	1 3/16	1 3/16
24	36x52	88	1 3/16	1 3/16
25	38x51	89	1 3/16	1 3/16
26	37 1/2 x 52	89 1/2	1 3/16	1 3/16
27	39x53	92	1 3/16	1 3/16
28	41x55	96	1 3/16	1 3/16
29	43x56	99	1 3/16	1 3/16
30	40x60	100	1 3/16	1 3/16
31	43x60	103	1 3/16	1 3/16
32	43x63	106	1 3/16	1 3/16
33	45x62	107	1 3/16	1 3/16
34	45x65	110	1 3/16	1 3/16
35	47x66	113	1 3/16	1 3/16

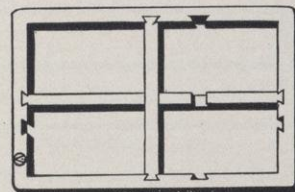
Long crossbars are 4 picas wide.
Short crossbars are 6 picas wide.
Thickness of bars, 3/8 inch.



BOOK CHASE, SOLID CROSSBAR

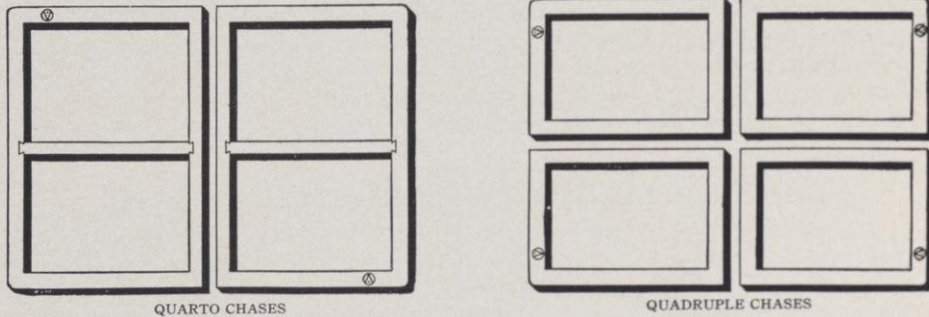


BOOK CHASE, ONE BAR SHIFTING



BOOK CHASE, BOTH BARS SHIFTING

DIAGRAMS OF SUPERIOR ELECTRIC WELDED QUARTO AND QUADRUPLE CHASES



QUARTO CHASES

QUADRUPLE CHASES

SIZES OF QUARTO CHASES

No.	Col. Quarto	Size of Pair Over All, Inches	Size of Each Chase Outside, Inches	Measurement Length and Breadth Over All, Inches	Width of Side Bars Inches	Width of End Bars Inches	Width of Back Bars Inches
1	*4	35 $\frac{7}{8}$ x24 $\frac{1}{4}$	17 $\frac{5}{16}$ x24 $\frac{1}{4}$	60 $\frac{1}{8}$	1 $\frac{1}{16}$	1 $\frac{1}{16}$	18 $\frac{1}{16}$
2	4	36 x24 $\frac{1}{2}$	18 x24 $\frac{1}{2}$	60 $\frac{1}{2}$	1 $\frac{1}{16}$	1 $\frac{1}{16}$	18 $\frac{1}{16}$
3	*5	43 x28 $\frac{1}{2}$	21 $\frac{1}{2}$ x28 $\frac{1}{2}$	71 $\frac{1}{2}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	18 $\frac{1}{16}$
4	5	44 $\frac{1}{8}$ x29 $\frac{1}{2}$	22 $\frac{1}{16}$ x29 $\frac{1}{2}$	73 $\frac{5}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	18 $\frac{1}{16}$
5	*6	46 x32 $\frac{1}{2}$	23 x32 $\frac{1}{2}$	78 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	18 $\frac{1}{16}$
6	*6	47 x32 $\frac{1}{2}$	23 $\frac{1}{2}$ x32 $\frac{1}{2}$	79 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	18 $\frac{1}{16}$
7	6	47 $\frac{5}{8}$ x34	23 $\frac{3}{16}$ x34	81 $\frac{5}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	18 $\frac{1}{16}$
8	*7	51 x37 $\frac{1}{2}$	25 $\frac{1}{2}$ x37 $\frac{1}{2}$	88 $\frac{1}{2}$	1 $\frac{5}{16}$	1 $\frac{5}{16}$	15 $\frac{1}{16}$
9	7	52 $\frac{1}{8}$ x39	26 $\frac{1}{16}$ x39	91 $\frac{1}{8}$	1 $\frac{5}{16}$	1 $\frac{5}{16}$	15 $\frac{1}{16}$
10	*8	56 $\frac{1}{8}$ x43 $\frac{1}{2}$	28 $\frac{1}{16}$ x43 $\frac{1}{2}$	99 $\frac{5}{8}$	1 $\frac{5}{16}$	1 $\frac{5}{16}$	15 $\frac{1}{16}$

*These sizes carried in stock, and will be furnished unless otherwise specified.
 †Thickness of side bars, $\frac{5}{8}$ inch; thickness of end bars, $\frac{5}{8}$ inch; thickness of back bars, $\frac{5}{8}$ inch; width of crossbars, 6 picas; thickness of crossbars, $\frac{5}{8}$ inch.

SIZES OF QUADRUPLE CHASES

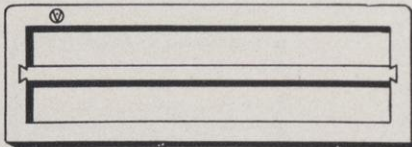
No.	Col. Quarto	Size of Set Over All Inches	Size of Each Chase Outside Inches	Measurement Length and Breadth Over All, Inches	Width of Side Bars Inches	Width of Inside End Bars Inches	Width of Outside End Bars Inches	Width of Back Bars Inches
1	*5	28 x42 $\frac{1}{2}$	14 x21 $\frac{1}{4}$	70 $\frac{1}{2}$	1 $\frac{1}{16}$	18 $\frac{1}{16}$	1 $\frac{1}{16}$	18 $\frac{1}{16}$
2	*6	32 $\frac{1}{2}$ x47	16 $\frac{1}{4}$ x23 $\frac{1}{2}$	79 $\frac{1}{2}$	1 $\frac{1}{16}$	18 $\frac{1}{16}$	1 $\frac{1}{16}$	18 $\frac{1}{16}$
2 $\frac{1}{2}$	†6	33 $\frac{1}{4}$ x46 $\frac{1}{4}$	16 $\frac{5}{8}$ x23 $\frac{1}{8}$	79 $\frac{1}{2}$	1 $\frac{1}{8}$	18 $\frac{1}{16}$	1 $\frac{1}{8}$	18 $\frac{1}{16}$
3	*7	38 x50 $\frac{1}{2}$	19 x25 $\frac{1}{4}$	88 $\frac{1}{2}$	1 $\frac{1}{8}$	18 $\frac{1}{16}$	1 $\frac{1}{8}$	18 $\frac{1}{16}$

*These sizes carried in stock, and will be furnished unless otherwise specified.
 †Special for Reliance Press.
 ‡Thickness of side bars, $\frac{5}{8}$ inch; thickness of inside end bars, $\frac{5}{8}$ inch; thickness of outside end bars, $\frac{5}{8}$ inch; thickness of back bars, $\frac{5}{8}$ inch.

DIAGRAM AND SIZES OF HEADING CHASES

No.	Size of Chase Outside With Bar Inches	Size of Chase Inside Inches	Measurement Length and Breadth Inches	Width of Bars			
				Side Bars		End Bars	
				With Bar Inches	Without Bar Inches	With Bar Inches	Without Bar Inches
1	8 x19	6x17	27	1	1 $\frac{1}{16}$	1	1 $\frac{1}{16}$
2	10 x23	8x21	33	1	1 $\frac{1}{16}$	1	1 $\frac{1}{16}$
3	10 $\frac{1}{8}$ x30 $\frac{1}{8}$	8x28	40 $\frac{1}{4}$	1 $\frac{1}{16}$	1 $\frac{1}{8}$	1 $\frac{1}{16}$	1 $\frac{1}{8}$

Width of crossbar, 6 picas; thickness of bars, $\frac{5}{8}$ inch.



HEADING CHASE

When ordering additional chases to match any Superior Chase in use no measurements need be given—naming serial number which is stamped on the chase assures an exact duplicate.

In other cases where there is any doubt as to the measurements or style wanted, it will be advisable to write for a chase specification blank in which diagrams of all styles are shown, with detailed instructions for furnishing necessary specifications.

Through Electric Welding the Four Bars Become One Solid, Perfect Piece of Steel

CHASES FOR KELLY PRESSES

Superior Electric Welded Steel Chases for the Kelly Automatic Job Presses are made in the following sizes and styles:

FOR No. 2 KELLY AUTOMATIC PRESS

KH Poster, without bars, outside measure $27\frac{1}{4} \times 35\frac{1}{4}$, inside $24\frac{3}{4} \times 32\frac{3}{4}$.

KI Book, with double shifting bars, outside measure $27\frac{1}{4} \times 35\frac{1}{4}$, inside 25×33 , long bar 4-pica, short bar 6-pica.

KJ Book, same specifications as KI, with short bar shifting.

KK Book, same specifications as KI, with solid bars.

KL Same specifications as KI with long bar shifting.

KM Skeleton Poster, outside measure $27\frac{1}{4} \times 35\frac{1}{4}$, inside measure $24\frac{3}{4} \times 34\frac{1}{8}$, side bars $1\frac{1}{4}$ in. wide by $\frac{5}{8}$ in. high, end bars $\frac{5}{8}$ in. wide by $\frac{3}{4}$ in. high.

KN Skeleton Poster with Crossbar, same specifications as above with one 6-pica crossbar short way only.

KNN Heavy Duty Poster Chase, outside $27\frac{1}{4} \times 35\frac{1}{4}$, inside $24\frac{1}{2} \times 32\frac{1}{2}$, no crossbar.

FOR No. 1 KELLY AUTOMATIC PRESS

KO Poster Chase, $24\frac{1}{4} \times 28\frac{3}{8}$ outside, $22 \times 26\frac{3}{8}$ inside (no crossbar).

KP Poster Chase, same size as above with 6-pica crossbar short way of chase.

KQ Book Chase (double shift) with 4-pica long crossbar and 6-pica short crossbar, both shifting.

KR Book Chase (single shift) same as KQ except short bar only is shifting.

KT Book Chase (single shift) same as KQ except long bar only is shifting.

KU Book Chase (solid bar) same as KQ except crossbars are solid, do not shift.

KV Skeleton (Poster) Chase $24\frac{1}{4} \times 28\frac{3}{8}$ outside, $22 \times 26\frac{3}{8}$ inside.

KW Skeleton (Poster) Chase same size as KV with 6-pica crossbar short way of chase.

FOR STYLE B**KELLY AUTOMATIC PRESS**

KA Standard Chase (No. 13559 Kelly Part List) without bars; outside measure, $17\frac{1}{2} \times 22\frac{1}{4}$; inside measure $15 \times 20\frac{1}{4}$.

KB Standard Chase, with one long removable bar, same measure as KA.

KC Standard Chase, with two long removable bars, same measure as KA.

KD Standard Chase, with one short removable bar, same measure as KA.

KE Skeleton Chase (No. 13133 Kelly Part List) without crossbar; outside measure $18\frac{7}{8}$ -

$\times 22\frac{1}{4}$; inside measure $16\frac{3}{8} \times 20\frac{7}{8}$; top and bottom (or long) bars $1\frac{1}{4} \times \frac{5}{8}$ in. high, side (or end) bars $1\frac{1}{16} \times \frac{3}{4}$ in. high.

KE1 Skeleton Chase, outside $18\frac{7}{8} \times 22\frac{1}{4}$, inside $16\frac{3}{8} \times 21$.

KE2 Skeleton Chase, same as KE1 but with crossbar.

KF Skeleton Chase, same specifications as KE, with short removable bar.

KG Special Chase $19 \times 22\frac{3}{16}$ outside, top and bottom (or long) bars $1\frac{1}{4} \times \frac{5}{8}$ in. high, side (or end) bars $1 \times \frac{5}{8}$ in. high, with one $\frac{1}{2}$ -inch short crossbar, and one $1\frac{1}{4}$ -inch long crossbar; long bar 10 inches from inside of chase to center of bar, short bar in center. Crossbars are not slotted, and only one is used in chase at one time.

KS Special (Poster) $19\frac{3}{4} \times 22\frac{1}{4}$ outside, $17\frac{1}{4} \times 20\frac{1}{4}$ inside top and bottom (or long) bars $1\frac{1}{4} \times \frac{5}{8}$ in. high, side (or end) bars $1 \times \frac{5}{8}$ in. high without crossbars. This chase for Style B Kelly Presses series 3243 and upward.

KSS Special Skeleton, $19\frac{3}{4} \times 22\frac{1}{4}$ outside, $17\frac{1}{4} \times 21$ inside, top and bottom (or long) bars $1\frac{1}{4} \times \frac{5}{8}$ in. high, side (or end) bars $\frac{5}{8} \times \frac{3}{4}$ in. high. This chase for Style B Kelly Presses series 3243 and upward.

KS1 Special Chase, outside $19\frac{3}{4} \times 22\frac{1}{4}$, inside $17\frac{1}{4} \times 20\frac{1}{2}$.

KSB Special Skeleton, same specifications as KSS with one short 6-pica crossbar.

KSBB Special Skeleton, same specifications as KSS with one short 6-pica crossbar and one long 4-pica crossbar.

FOR STYLE A**KELLY AUTOMATIC PRESS**

KAB Poster Chase, outside $16\frac{1}{2} \times 21\frac{1}{2}$, inside $14\frac{1}{4} \times 19\frac{3}{4}$.

KAA Poster Chase, outside $16\frac{1}{2} \times 21\frac{1}{2}$, inside $14 \times 19\frac{3}{4}$.

KAC Skeleton Chase, $14\frac{1}{4} \times 20\frac{1}{4}$ inside, $16\frac{1}{2} \times 21\frac{1}{2}$ outside. Steel in side bars (long way of chase) $1\frac{1}{8}$ in. wide by $\frac{5}{8}$ in. high. Steel in end bars (short way of chase) $\frac{5}{8}$ in. wide by $\frac{3}{4}$ in. high.

KAD Skeleton Chase, $16\frac{1}{2} \times 21\frac{1}{2}$ outside, $14\frac{1}{4} \times 20$ inside.

KAE Skeleton Chase, $16\frac{1}{2} \times 21\frac{1}{2}$ outside, $14\frac{1}{4} \times 20\frac{1}{2}$ inside.

FOR KELLY AUTOMATIC JOB PRESS

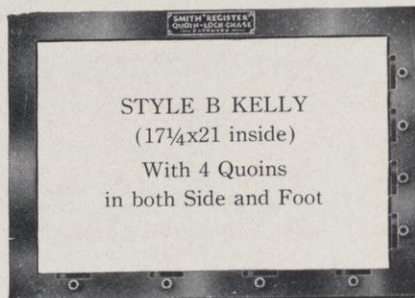
KAJ $14 \times 19\frac{3}{4}$ inside, $16\frac{1}{4} \times 21\frac{1}{2}$ outside.

Crossbars can be furnished in 3, 4, 5 or 6-pica widths or other widths without extra charge but unless otherwise specified 6-pica bar will be inserted.

Take Notice—When special sizes of Superior Electric Welded Steel Chases are wanted it will be necessary to give accurate information regarding outside and inside dimensions, width of stock for side and end bars and width of stock for back bars, and *also the size of the press bed*. To facilitate ordering special size chases, a printed blank showing detailed diagrams of newspaper, book and poster chases will be sent upon request to anyone interested. Special size chases are made to order and cannot be returned. Write for information and quotations.

SMITH REGISTER "QUOIN LOCK" CHASE

By the use of this "Quoin Lock" Chase the inside measurement of the chase is the measurement of the maximum form that you can lock up in this chase.

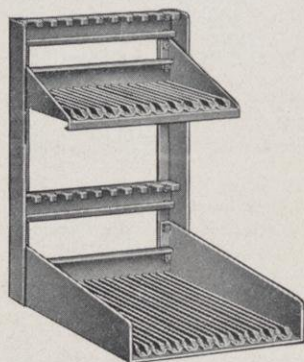


The Smith Register "Quoin Lock" Chase is a time, labor, and money saver and is a clever patented combination. It consists of the ordinary chase and Smith "Register" Tool-Steel Quoins, joined together into a mechanical unit.

The quoins open square from one to sixteen points, and hold solid type form securely at any point. The jaws of the quoins are flush with the inside of the chase when closed.

Register is gauged by quarter, half or full turn of quoin wrench, or any fraction thereof. (Each quarter turn equals 1-point spread.) Made for all flat-bed, job and automatic presses.

STEEL UNIT CHASE RACKS

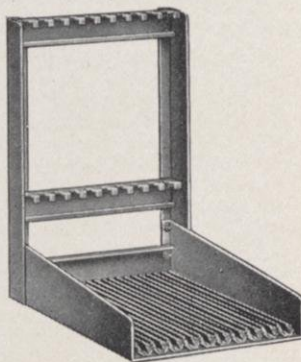


NO. 15240 CHASE RACK

An efficient Unit System Chase Storage Rack is practically a necessity in the modern method of printing plant operation. A group of Units in the pressroom for the live forms and a like group near the imposing table for dead forms represent an economic handling of forms which will pay for the racks in a comparatively short time.

Unit Chase Rack No. 15240 has a capacity for twenty job press forms ranging in size

from 8x12 to 14½x22. Unit Chase Rack No. 15230 accommodates ten cylinder forms in a most compact and convenient manner.



NO. 15230 CHASE RACK

MACHINE OPERATORS' STEEL CABINET

Here is an exceptionally useful little piece of equipment, made by the Hamilton Manufacturing Company, and in accordance with their well-known high standard of construction. A high-grade cabinet moderately priced. Handy for all operators working on keyboards. It is catalogued as Machine Operators' Steel Cabinet No. 15748. It has a sloping top with a lip-front edge. The base contains one drawer and a large open bin. Closed at each end and back. The illustration shows the standard design, but at a slight extra charge it can be supplied with one, two, or three extra drawers. Drawers can also be equipped with inserts for the storage of matrices.



Dimensions: Width, 19½ inches; depth, 14⅞ inches; height at front, 22¾ inches; height at back, 26⅞ inches; working top, 14½ inches deep. Drawer is 16x13¾ inches; 3⅜ inches deep inside.

Finished in olive green enamel baked on.

OPERATORS' POSTUR CHAIR

Entirely too many employers of labor fail to realize the importance of providing correct seating for those employees who must perform their duties in a seated position.

Many cases of fatigue, headaches, backaches, and nervousness are the result of improper seating. Correct seating naturally follows the use of a chair that is built to fit the seated skeleton. The Steel Uhl Postur Chair encourages good posture, and makes it the comfortable position.

The low back support gives the operator free and unhampered elbow room so that a half turn on the chair can be had without the usual chair back interference.

Seat your employee comfortably and you will receive the maximum of benefit from willing, consistent and conscientious effort.

The No. 9500½ "Postur" Chair for operators is equipped with a 3-inch height adjustment 16 to 19 inches. Seat is ½-inch 5-ply built up veneered wood, 16¼ inches wide, 14¾ inches deep, and can be tilted forward or backward, and has swivel seat. Finished in olive green enamel. "Postur" chairs can also be supplied for the bindery or proofroom.



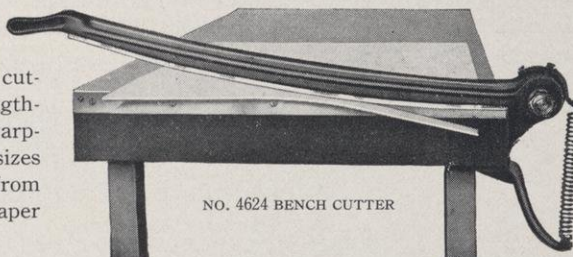
POSTUR CHAIR
NO. 9500½

CARD AND PAPER CUTTERS

For the photographer, printer, architect, show-card writer, commercial artist, window trimmer, photoengraver, and all others who cut paper, cardboard, cloth or thin leather.

Bradley Cutters are built to stand up and give service. With reasonable use one of these machines will last a lifetime. When the blades become dull they are easily detached and resharpened.

All parts are adjustable to wear. The cutting tables are of hard wood, strengthened by heavy under-cleats, making warping impossible. Made in a variety of sizes and for many different purposes, from trimming photo prints to newspaper stereotype matrices.



NO. 4624 BENCH CUTTER

MADE IN THE FOLLOWING SIZES:

No. 4362—Monarch, 12 inch

No. 4545—National, 18 inch

No. 4619—Crown, 15 inch

No. 4620—Imperial, 18 inch

No. 4624—Bradley Bench Cutter, 30½ inch, made with iron frame throughout. A powerful machine for cutting all kinds of work in single sheets. Can be attached to any kind of bench.

No. 4256—Diamond, 6 inch

No. 4257—Dandy, 8 inch

No. 4259—Studio, 10 inch

No. 4260—Premium, 12 inch

No. 4261—Manufacturers, 24 inch

No. 4262—Manufacturers, with Special Attachments

No. 4272—Popular, 15 inch

No. 4336—Springfield, 24 inch

Circulars describing these cutters will gladly be sent on request.

MAPLE CUTTING STICKS FOR PAPER CUTTERS

These are furnished for all makes of paper cutters. They are made of seasoned maple. Maximum length is 85 inches. In ordering, the exact measurements of square and of length must be given or a sample sent. To state the name and size of a paper cutter is not a sufficient description.

PADDING CEMENT

While there is no such thing as any one adhesive being suitable for all work and every condition, we handle the products of those manufacturers whose Padding Cement has, by time and experience, proved to be satisfactory for the purpose intended.

SPHINX PAD CEMENT

A superior cold product which has no equal on the market. Requires no heating or other preparation. Especially suited for small padding jobs with or without cheese cloth backing. Keeps dry in moist weather and does not string.

It is not inflammable and is free from all noxious odors, containing no fish glue, rubber, acetic acid or benzol. Supplied in brilliant colors, red, green, blue or white. Put up in half-pint, pint, quart, half-gallon and gallon cans.

ARABOL PADDING COMPOSITION

The best and most convenient padding material for commercial work. Melts at a moderate temperature in ten minutes and can be readily thinned with water. Does not tear or discolor the paper on the pad. Will not get sticky in damp weather; flows freely from the brush and breaks off without stringing.

Will not lose its strength or flexibility and is not inflammable. Supplied in white, blue, red or green. Put up in 1-lb., 3½-lb., 6-lb., 12-lb. and 25-lb. cans.

SPHINX PAD-TEX

This is an improved adhesive for cold padding and can be used in general bookbinding work. Being non-inflammable it is absolutely safe and without fire hazard.

Pads made with Pad-Tex can be bent double without cracking, peeling or chipping the adhesive. It spreads evenly and smoothly making it easy to produce uniformly good work. Can be used from the original can. Should it become heavy due to evaporation it can be thinned with plain water. It dries rapidly.

Pad-Tex has no offensive odor and will keep in a serviceable condition a long time. Stocks of red and white (natural) are on hand for prompt shipment. Other colors on special order at slightly higher prices. Put up in pint, quart and gallon cans.

SUPER-NUREX TABBING COMPOUND

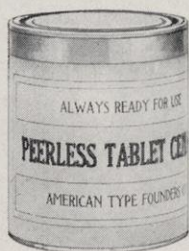
A NON-INFLAMMABLE FLEXIBLE TABBING COMPOUND

Super-Nurex Tabbing Compound is a patented article that insures an exceedingly flexible and unusually satisfactory pad whenever paper is to be tabbed. It is applied cold, and dries within a few minutes after it is put on.

Always works the same in any climate, summer or winter. Does not get sticky in damp weather and never cracks under the paper cutter clamp. It is put up in either quart or gallon cans; colors, red and natural.

Nurex Reducer, which is used only when the Compound becomes too thick, is also put up in gallon and quart cans. The Nurex Tabbing Pot is made especially for Super-Nurex Padding Compound, and is an important part of the outfit.

A circular fully describing the Nurex Tabbing Process and giving prices of the Compound, Reducer and Cans will be sent on request.



PEERLESS LIQUID TABLET CEMENT

Peerless Liquid Tablet Cement requires no heating. It dries quickly with a smooth glossy finish. Does not crack in trimming. Always ready for use in any climate.

Put up in friction-top tin cans. Colors: red, blue, green and colorless. Sold in pints, quarts and gallons.

COMPOSING STICKS



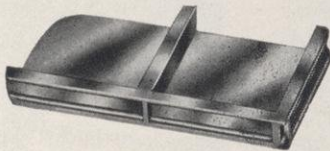
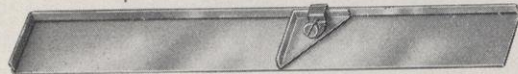
ROUSE JOB STICK

Made in 6, 8, 10, 12, 15 or 20 inch lengths; $1\frac{1}{8}$ or 2 inches deep. The $1\frac{1}{8}$ -inch deep stick is made only in 6, 8, 10 and 12-inch

lengths. Made in plain steel and stainless steel. Popular with many compositors.

STEEL POSTER STICK

Made of high-grade patent levelled steel. Iron knee and screw clamp. Cadmium (Rustproof) plated. Made in four sizes: 18, 24, 30 and 40 inches long inside; $2\frac{1}{2}$ inches deep.

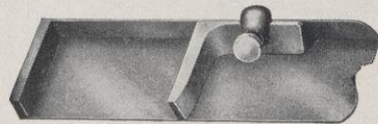


SUPERIOR ALL BRASS NEWS STICK

Made of all brass and permanently set to any standard measure, therefore not adjustable. Better appearance and more easily kept clean than iron or steel. Made $2\frac{1}{4}$ or $2\frac{1}{2}$ inches deep.

YANKEE JOB STICK

Made 6, 8, 10, 12, 14, 16, 18, 20 and 24 inches long; 2 inches deep.



ROUSE PICA STICK

A splendid stick for school work; it sets to picas instantly and accurately. Sturdily constructed; notably low priced. The Pica Stick is furnished in two-inch width only; made in both plain and stainless steel. A small extra charge for nickel plating.



ROUSE IMPROVED STANDARD JOB STICK

This style of stick enjoyed a wide popularity for many years, it being (prior to the advent of the Rouse Job Stick) the best composing stick for job printers on the market.

Our modern methods of manufacture have overcome its chief faults and the Improved Standard is in every way superior to the original. It has the braced knee, which adds strength and rigidity, and is of unsurpassed accuracy and construction.

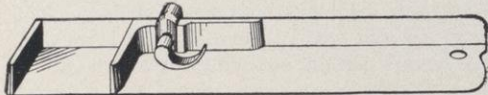
Made 2, $2\frac{1}{4}$ and $2\frac{1}{2}$ inches deep; 6, 8, 10, 12, 15 and 20 inches long. Furnished nickel plated, if desired, at a small extra charge.



ROUSE BUCKEYE JOB STICK

This is an improved form of a very popular job stick. The clamp, which is made of steel, is placed well into the corner, where it will do the most good. All material and workmanship are of the very best.

Made in a wide variety of sizes; also made in the narrow French pattern.



SUPERIOR STEREOTYPE CASTING BOXES

MADE IN SIX SIZES: WITH AND WITHOUT CORES

Each coreless casting box, Nos. 100, 200, 300 and 400, is furnished with one set of bearer gauges, as selected. Each cored casting box, Nos. 103, 204, 305, 406, 407 and 408, is furnished with one set of type-high by base-high bearer gauges and two side type-high by 11 point bearer gauges. A set of bearer gauges consists of two side gauges with handle and one end gauge.



SUPERIOR CASTING BOX, OPEN, WITH BEARER GAUGES

Casting boxes Nos. 100, 103, 200, 204 have single handles for lifting the covers. Other sizes have two handles, one on each side, as illustrated, for lifting the covers.

Cored Casting Boxes for casting cored type-high plates, will also cast solid plates, type-high or base-high when the cores are detached. As regularly made the cores are spaced to cast columns of 12, 12½ or 13 pica widths, by placing the thin gauge the proper distance from the outside gauge. The cores are detached easily.



SUPERIOR CASTING BOX, WITH REMOVABLE CORES



BEARER GAUGES

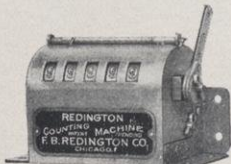
The three upper gauges are type-high or base-high. The three lower gauges are type-high or plate-high.

PARTICULARS OF SUPERIOR CASTING BOXES WITH AND WITHOUT CORES

No.	Size of Bed In.	Largest Size of Plate Cast In.	Number of Solid Columns Cast	Number of Cored Columns Cast	Sets of Gauges Furnished
100	9½ x 14	8½ x 12	3	—	1
200	13½ x 22	12¼ x 20	4	—	1
300	14 x 26	12¾ x 23¾	5	—	1
400	20 x 28	18½ x 25½	8	—	1
103	9½ x 14	8½ x 12	3	3	2
204	13½ x 22	12¼ x 20	4	4	2
305	14 x 26	12¾ x 23¾	5	5	2
406	20 x 28	18½ x 25½	6	6	2
407	20 x 28	18½ x 25½	8	7	2
408	20 x 28	18½ x 25½	8	8	2

COUNTING MACHINES

The Counting Machine is an absolute necessity as a part of the equipment of every job and cylinder press in the office. It insures the delivery of a full count to the customer which every office intends and desires to give. It is possible by its use to keep a record of the output of each press per day or week, which record contains data of prime importance in figuring costs per hour or per thousand on the press in question. It helps to keep track of the amount of waste, an important item of expense, the reduction of which makes for efficiency and profits.



REDINGTON COUNTING MACHINE, MODEL A

REDINGTON COUNTER

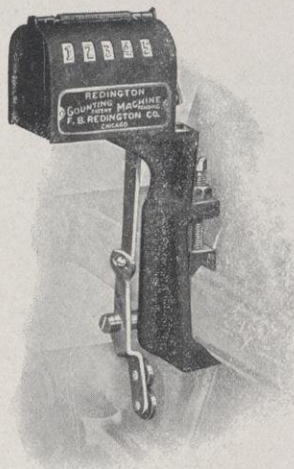
FOR CYLINDER PRESSES

The Redington Counting Machine, Model A, is especially designed for cylinder presses, embossing machines, stamping machines, punch presses, or any automatic machine where a correct count is required. The arrangement of the flanges permits attaching the counter to wall or stand. Counts from 1 to 100,000. Model A—Size 3¼x2½x2½ inches.

REDINGTON COUNTER

FOR CHANDLER & PRICE PRESSES

The Model D Redington Counter is for C. & P. Presses *only*. It counts only when impression is taken, and is easily and quickly attached to C. & P. Presses of all sizes. No drilling or removing of parts necessary. Is secure after attaching and in plain view of the operator. Counts from 1 to 99,999. Will not jump or repeat. Easily and quickly turned back to zero, or set at any number. No key necessary. The figures are large and can be readily seen at a distance.



REDINGTON COUNTING MACHINE
MODEL D, FOR C. & P. PRESSES

BATES AUTOMATIC EYELETER



This eyeleter is in a class by itself. It feeds, inserts, and crimps the eyelet in one operation automatically. The hopper takes three hundred eyelets at one loading. The No. 3 eyelet is recommended for glassine bag work, the No. 2 or No. 1 where larger eyelets are needed.

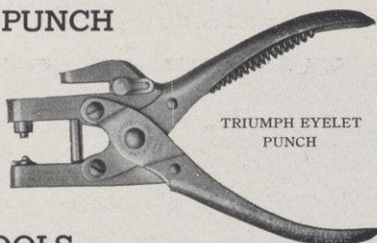
A simple, handy, convenient little machine at a price which enables it to pay its way even if used only occasionally.



TRIUMPH EYELET PUNCH

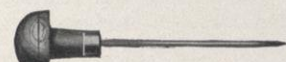
A RELIABLE DEVICE

The Triumph Eyelet Punch cuts the paper separate from the eyelet set, so that paper cannot be injured by the latter while it is being punched. There is a guide to regulate the distance of the eyelet from the paper's edge.

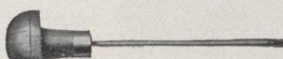


TRIUMPH EYELET
PUNCH

ENGRAVERS' TOOLS



No. 1 V-SHAPED, LARGE, SHARP EDGE



No. 3 FLAT, FACE 3/64 INCH WIDE



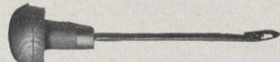
No. 5 OVAL, FACE 3/64 INCH WIDE



No. 2 V-SHAPED, SMALL, SHARP EDGE



No. 4 FLAT, FACE 1/4 INCH WIDE



No. 6 DIAMOND, 5/32 INCH SQUARE

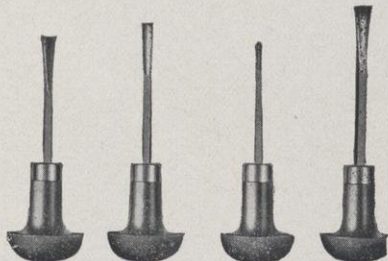
Engravers' Tools are sold separately or in sets.

LINOLEUM ENGRAVING TOOLS

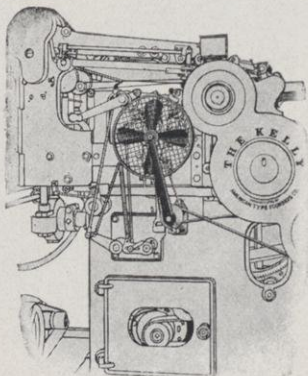
These Linoleum Engraving Tools are made of the finest tool steel. The handles are designed to comfortably fit the hand. Will not roll off desk or table.

Set of four consists of one 1-64 inch veiner, one 1-8 inch gouge, one 3-16 inch gouge and one 1-4 inch gouge.

Sold separately or in complete sets.



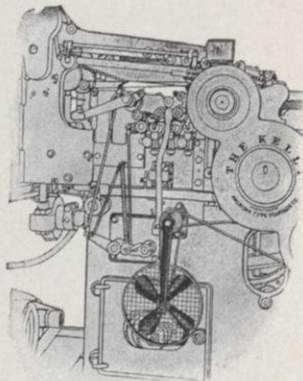
THE KELLY PRESS FAN



KELLY PRESS FAN IN POSITION

No electricity is used, as the fan is mechanically driven and very easy to attach. By simply loosening a thumbscrew the fan may be swung down out of position while not in use or when setting the rollers. A slotted hole is provided to take up the slack of the driving belt. Attachable to all Style B Kellys and the Kelly Automatic Jobber.

Kelly presses with serial numbers above 811 have holes drilled and tapped in column for fan bracket.



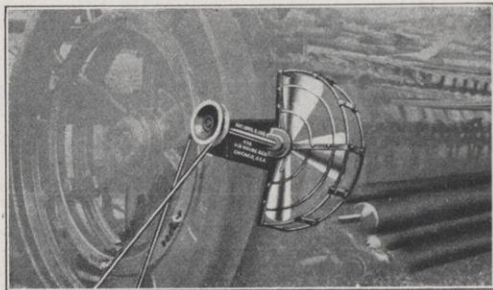
KELLY PRESS FAN OUT OF POSITION

Template and instructions for drilling and tapping the holes are furnished for early presses. When ordering Kelly Press Fans please give serial numbers of presses so that templates may be included, if necessary.

ROUSE ROLLER FANS FOR CYLINDER PRESSES

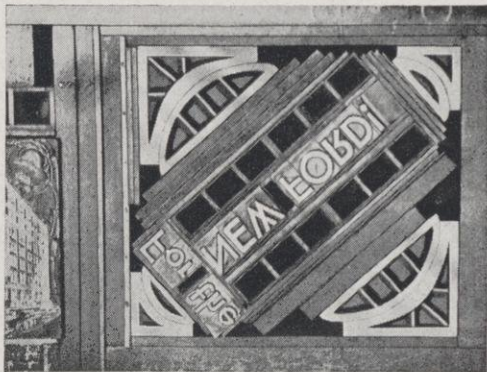
SAVE ROLLERS IN HOT WEATHER

The Rouse Roller Fan is a simple yet efficient device made especially for cylinder presses. The fan is so located on the press that a stream of cool air is blown under and on the composition rollers, retaining a temperature that keeps them from melting in extreme hot weather. Rouse Roller Fans have proven of great assistance in maintaining efficiency in the pressroom during the hot weather months. They are made in several styles to meet the requirements of the presses on which they are intended to be installed. If you want to keep your rollers cool in hot weather, install these fans and note the result.



A circular, describing Rouse Roller Fans, with prices, will be sent upon request.

BONE FOLDERS—Made of bone, with hard, smooth finish—8 inch



ANY-ANGLE LOCKUP FURNITURE

Simply, quickly, and without any more trouble than straight lockups, you can lock any form or forms at any angle you desire by using Any-Angle Lockup Furniture. Use in connection with any style of quoins. Cannot slip after being properly locked.

Made in two sizes, 10-pica and 5-pica. Sold in fonts consisting of six units of each size.

Illustration shows two 10-pica and two 5-pica units being used.

BARNHART NEWSPAPER BINDER

FOR NEWSPAPERS AND LIBRARY READING ROOMS

This binder is well made of heavy board covered with slate colored duck. Posts are 3½ inches long, and hold 135 eight-page papers. The metal binding strips vary in length according to sizes required. They are 5/16 inch wide with two projecting points in which are holes to fit the binder posts. When the binder is filled, the springs on outside of cover fit into notches in top of post, making a permanently bound volume. With each Binder are included 52 metal strips.

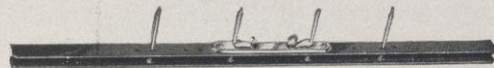
NUMBERS OF SUPERIOR BINDERS AND MAXIMUM SIZE OF NEWSPAPER PAGE

No. 1.....16x11 inches	No. 4.....22½x17½ inches	No. 6.....24x19 inches
No. 2.....20x13 inches	No. 5.....24x17½ inches	No. 7.....25½x19 inches
No. 3.....22½x15½ inches	Additional strips are packed in boxes of 52 each	

SUPERIOR NEWSPAPER FILE

MADE IN TWO SIZES: 26-INCH AND 30-INCH

The Superior Newspaper File is made of steel. It is light, simple, and with ordinary use is indestructible. It is quickly worked—simply lift up the top strip, file your paper and replace upper clamp, which automatically locks itself. No screws or hinges. The Superior File is recommended as the most practical and durable of its kind.



SUPERIOR NEWSPAPER FILE

HAMILTON NEWSPAPER FILE



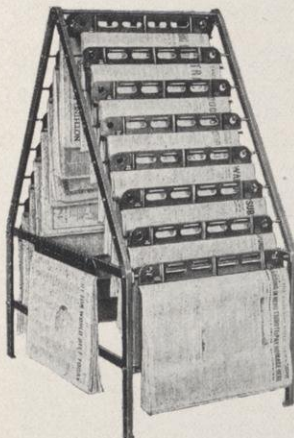
HAMILTON NEWSPAPER FILE—CLOSED

The Hamilton Newspaper File is strong and efficient, and simple in operation. Made of oak, with brass fastenings, in sizes for 4, 5, 6, 7, 8 and 9 column papers. Quotations upon request.

ROUSE NEWSPAPER FILES AND RACKS

CONVENIENT FOR THE EDITORIAL ROOM

Rouse Handy Newspaper Files and Racks are substantially built of steel and finished in olive green. The files or holders are large enough to accommodate any newspaper, and the racks are made in three sizes, as follows: No. 1 holds six files; No. 2 holds eight files; and No. 3 is a double rack and holds 18 files. A device may also be had for punching holes in newspapers for the binding pins in the files, as well as a hook for hanging an individual file near a desk.



ROUSE NEWSPAPER RACK

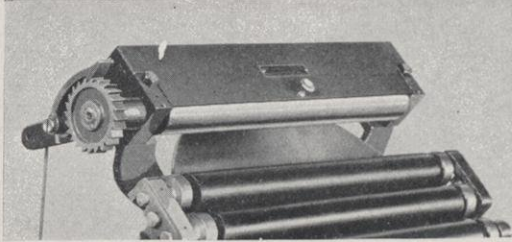
Every newspaper office, public library and reading room should be equipped with one or more of the Rouse Handy Files and Racks. They are exceedingly convenient and invariably add tone to the appearance of the room in which they are installed. Ask for prices.



ROUSE NEWSPAPER FILE

CHANDLER & PRICE FOUNTAINS

CHANDLER & PRICE LONG FOUNTAIN



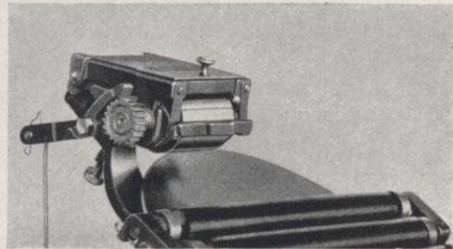
C. & P. LONG FOUNTAIN

Chandler & Price Long Fountain is in daily use in thousands of printing offices, and always gives entire satisfaction. It is simple in construction, easily regulated and very effective. Every Chandler & Price Press should be equipped with one.

Write for information and prices

THE CHANDLER & PRICE SHORT FOUNTAIN

The Chandler & Price Short Fountain may be attached to any size Chandler & Price Press, but is especially recommended for the smaller sized machines. It is an economical and efficient device and will be found entirely satisfactory for everyday printing.

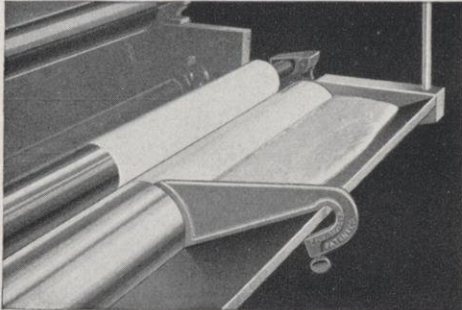


C. & P. SHORT FOUNTAIN

Information and prices sent to those interested upon request

PAGE FOUNTAIN DIVIDERS

Equipping your presses with this simple device will save the cost many times in the course of a year, especially where small forms are run on large presses, or where it is possible to run two or more colors at the same time.



Wear on the fountain blade is eliminated due to the fact that it is not necessary to tighten the fountain screws at the ends.

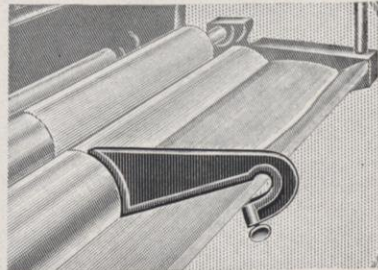
Page Fountain Dividers have been in constant use in the leading pressrooms of the United States and Canada for the past 14 years. The sales in that time have exceeded 60,000 pairs.

Carried in stock for practically all modern presses and many of the older designs. In ordering specify name and size of press.

ACME FOUNTAIN DIVIDERS

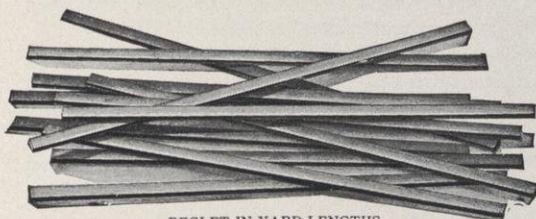
These Fountain Dividers are made of bronze and will last for years. By their use ink is saved. Time usually consumed in washups is greatly reduced. Under certain conditions they permit printing in two or more colors at one impression. They save wear on fountain screws and blade, and the possible cutting of the fountain roller.

Made for all presses. Carried in stock for all sizes of Kelly Presses.



WOOD FURNITURE AND WOOD REGLET

Wood Furniture and Wood Reglet are kept in stock in yard lengths of the bodies listed in table below. They are made from thoroughly kiln-dried stock on machines especially designed for the purpose, insuring accuracy. Other bodies and lengths are made to order.



REGLET IN YARD LENGTHS

BODIES AND WEIGHTS OF REGLET AND FURNITURE IN STRIPS

Widths	Weight 100 Yards Lbs.	Widths	Weight 100 Yards Lbs.
6 point.....	6	4 line.....	45
12 point.....	12	5 line.....	55
18 point.....	17	6 line.....	68
2 line.....	22	8 line.....	90
3 line.....	34	10 line.....	110

WOOD FURNITURE AND REGLET CUT TO LENGTH

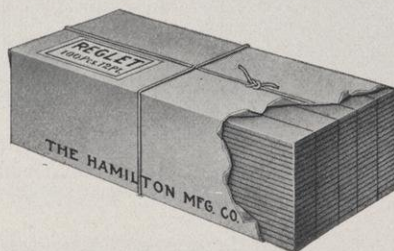
Wood Furniture and Reglet are regularly supplied in bundles of 100 pieces of the following lengths and widths:

Lengths: 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 140 and 160.

Widths: 6, 8, 10, 12 and 18 point, and 2, 3, 4, 5, 6, 8, and 10 picas.

Fifty pieces of one size is the minimum quantity sold. The price for 50 pieces of one size is advanced 25 per cent on rate for 100 pieces.

Odd lengths are cut to order at the prices of the next longer standard length.



REGLET IN BUNDLE

BEVELLED WOOD REGLET

By the use of Bevelled Wood Reglet many printers rid themselves of troublesome workups when printing direct from Linotype or Intertype slugs or other machine composition. This reglet is made of soft wood three-quarters inch high. It can be supplied bevelled on one side or both sides, the bottom being one-point wider than the top. For the purpose of identification and to prevent it becoming mixed with regular reglets it is round on the top edge.

Sold in yard lengths or cut-to-measure sizes.

LABOR-SAVING WOOD FURNITURE AND REGLET

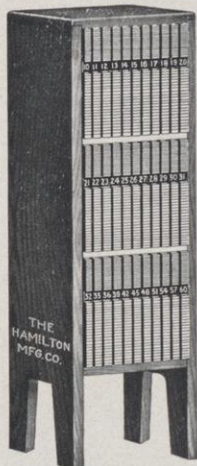
The following cabinets and fonts to fill them are sold together or separately.

REGLET CABINETS WITH CONTENTS	Pieces in Font		Pieces in Font
No. 3690—Reglet Cabinet with contents	2244	No. 3728-J—Wood Furniture Cabinet with contents	765
No. 3695—Reglet Cabinet with contents	2244	No. 3728-M—Wood Furniture Cabinet with contents	1530
No. 3729-C—Reglet Cabinet with contents	2100	WOOD FURNITURE TO FILL ABOVE CABINETS	
REGLET IN FONTS TO FILL ABOVE CABINETS			
No. 3734—Labor-Saving Reglet to fill Cabinet No. 3690, 10 to 60 picas, as assorted	2244	No. 3740—Labor-Saving Wood Furniture to fill Cabinet No. 3700, 10 to 60 picas, as assorted	432
No. 3736—Labor-Saving Reglet to fill Cabinet No. 3695, 61 to 160 picas, as assorted	2244	No. 3742—Labor-Saving Wood Furniture to fill Cabinet No. 3705, 70 to 160 picas, as assorted	432
No. 3729-D—Labor-Saving Reglet to fill Cabinet No. 3729-E, 10 to 51 picas, as assorted	2100	No. 3748—Labor-Saving Wood Furniture to fill Cabinet No. 3712, 10 to 60 picas, as assorted	972
WOOD FURNITURE CABINETS WITH CONTENTS			
No. 3700—Wood Furniture Cabinet with contents	432	No. 3750—Labor-Saving Wood Furniture to fill Cabinet No. 3717, 70 to 160 picas, as assorted	972
No. 3705—Wood Furniture Cabinet with contents	432	No. 3758—Labor-Saving Wood Furniture to fill Cabinet No. 3722, 10 to 60 picas, as assorted	1332
No. 3710—Wood Furniture Cabinet with contents	972	No. 3760—Labor-Saving Wood Furniture to fill Cabinet No. 3727, 70 to 160 picas, as assorted	1332
No. 3715—Wood Furniture Cabinet with contents	972	No. 3728-A—Labor-Saving Wood Furniture to fill Cabinet No. 3728-B, 10 to 60 picas, as assorted	280
No. 3720—Wood Furniture Cabinet with contents	1332	No. 3728-D—Labor-Saving Wood Furniture to fill Cabinet No. 3728-E, 10 to 60 picas, as assorted	560
No. 3725—Wood Furniture Cabinet with contents	1332	No. 3728-K—Labor-Saving Wood Furniture to fill Cabinet No. 3728-L, 10 to 160 picas, as assorted	765
No. 3728—Wood Furniture Cabinet with contents	280	No. 3728-N—Labor-Saving Wood Furniture to fill Cabinet No. 3728-P, 10 to 160 picas, as assorted	1530
No. 3728-C—Wood Furniture Cabinet with contents	560		

HAMILTON REGLET CABINETS

MADE IN WOOD ONLY

No. 3690 Reglet Cabinet, sold with contents, contains 34 pieces each of 6 pt. and 12 pt. reglet of lengths 10 to 33 picas (by ems) and 36 to 60 picas (by 3 ems)—2244 pieces in all. Floor space, $11\frac{7}{8} \times 11\frac{1}{4}$ in. Height, $38\frac{1}{4}$ in. Approximate shipping weight, 155 lbs. Contents (No. 3734) and Cabinet only (No. 3692) may be purchased separately.

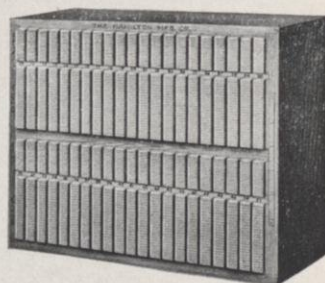


No. 3690 CABINET
AND CONTENTS

No. 3695 Reglet Cabinet, sold with contents, same design as No. 3690 but deeper, contains 34 pieces each of 6 pt. and 12 pt. reglet of lengths 61 to 64 picas (by ems) and 66 to 138 picas (by 3 ems) and 144, 150, 156 and 160 picas—2244 pieces in all. Floor space, $11\frac{7}{8} \times 27\frac{3}{4}$ in. Height, $38\frac{1}{4}$ in. Approximate shipping weight, 380 lbs. Contents (No. 3736) and Cabinet only (No. 3697) may be purchased separately.

No. 3729-C Reglet Cabinet, sold with contents, contains 50 pieces each of 6 pt. and 12 pt. reglet of lengths 10 to 51 picas (by ems)—2100 pieces in all. Size over all, $9\frac{1}{2} \times 20\frac{3}{4}$ in. Height, $16\frac{1}{2}$ in. Approximate shipping weight, 62 lbs. Contents (No. 3729-D) and Cabinet only (No. 3729-E) may be purchased separately.

Reglet Cabinets are made in a wide variety of standard styles. They will also be built for special purposes.



No. 3729-C CABINET AND CONTENTS

LABOR-SAVING WOOD FURNITURE CABINETS

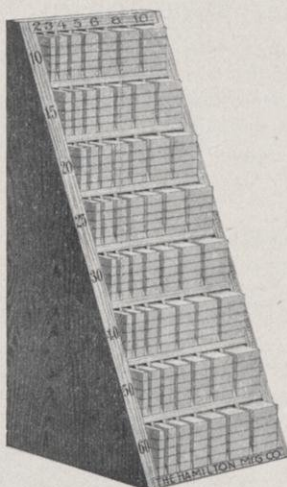
MADE IN WOOD ONLY

No. 3728 Furniture Cabinet, sold with contents, contains 5 pieces of each length and width; widths, 2, 3, 4, 5, 6, 8, 10 picas; lengths, 10, 15, 20, 25, 30, 40, 50, 60 picas—280 pieces in all. Size over all, $10 \times 10\frac{1}{2}$ in. Height, 31 in. Approximate shipping weight, with contents, 50 lbs. Contents (No. 3728-A) and Cabinet only (No. 3728-B) may be purchased separately.

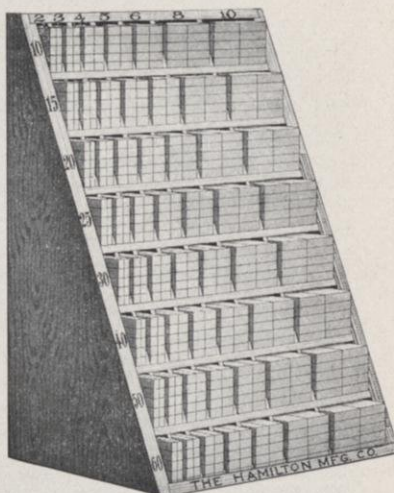
No. 3728-C Furniture Cabinet, sold with contents, contains 10 pieces of each length and

width specified in description of No. 3728, above—560 pieces in all. Size over all, $10\frac{1}{2} \times 16\frac{1}{2}$ in. Height, 31 in. Approximate shipping weight, with contents, 80 lbs. Contents (No. 3728-D) and Cabinet only (No. 3728-E) may be purchased separately.

No. 3728-J Furniture Cabinet (not illustrated, but same design as No. 3728-M and with half the contents of the latter cabinet), sold with contents. Size over all, $18\frac{1}{4} \times 27\frac{1}{2}$ in. Height, 41 in. Approximate shipping weight, with contents, 240 lbs. Contents (No. 3728-K) and Cabinet only (No. 3728-L) may be purchased separately.



No. 3728, WITH CONTENTS



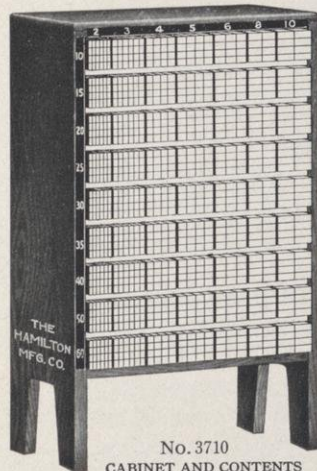
No. 3728-C, WITH CONTENTS

No. 3728-M Furniture Cabinet, sold with contents, contains the following efficient assortment, giving a greater number of pieces of the most used lengths and widths and fewer of the least used sizes: 18 pieces each of 2, 3 and 4 pica widths in lengths of 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100, 120, 140 and 160 picas; 15 pieces each of 5 and 6 pica widths in same lengths as above; 9 pieces each of 8 and 10 pica widths in same lengths as above—1530 pieces in all. Size over all, $27\frac{1}{2} \times 31\frac{3}{4}$ in. Height, 41 in. Approximate shipping weight, with contents, 400 lbs. Contents (No. 3728-N) and Cabinet only (No. 3728-P) may be bought separately.

There are six Furniture Cabinets made in wood only in conformity with the design of No. 3710 Furniture Cabinet shown below. They vary only in width and depth, according to the quantities of materials they contain. Nos. 3700 and 3705 supplement each other; as do Nos. 3710 and 3715; also 3720 and 3725.

No. 3700 Furniture Cabinet, sold with contents, contains 12 pieces each of 2 and 3 pica widths in 10, 15, 20, 25, 30, 35, 40, 50 and 60 pica lengths; 8 pieces each of 4 pica width in same lengths as above, and 4 pieces each of 5, 6, 8 and 10 pica widths in same lengths as above—432 pieces in all. Floor space, $11\frac{1}{4} \times 11\frac{1}{8}$ in. Height, $38\frac{1}{4}$ in. Approximate shipping weight, with contents, 125 lbs. Contents (No. 3740) and Cabinet only (No. 3702) may be purchased separately.

No. 3705 Furniture Cabinet, sold with contents, contains same number and assortment of pieces as No. 3700 in lengths of 70, 80, 90, 100, 110, 120, 130, 140 and 160 picas—432 pieces in all. Floor space, $11\frac{1}{8} \times 27\frac{3}{4}$ in. Height, $38\frac{1}{4}$ in. Approximate shipping weight, with contents, 295 lbs. Contents (No. 3742) and Cabinet only (No. 3707) may be purchased separately.



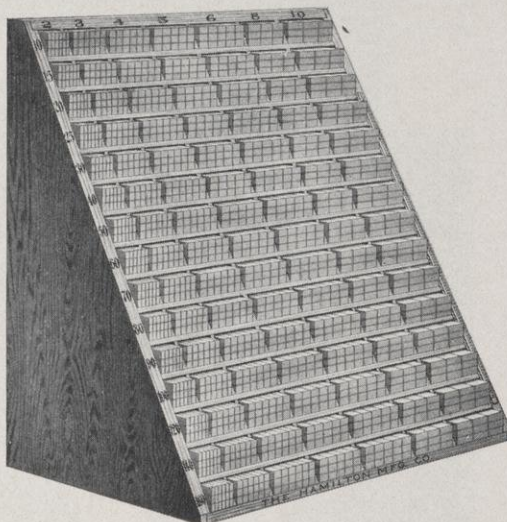
No. 3710
CABINET AND CONTENTS

No. 3710 Furniture Cabinet, sold with contents, contains 24 pieces each of 2 and 3 pica widths in 10, 15, 20, 25, 30, 35, 40, 50 and 60 pica lengths; 16 pieces each of 4 and 5 pica widths in same lengths as above; 12 pieces 6 picas wide in same lengths as above, and 8 pieces each of 8 and 10 pica widths in same lengths as above—972 pieces in all. Contents (No. 3748) and Cabinet only (No. 3712) may be purchased separately.

No. 3715 Furniture Cabinet, sold with contents, contains same number and assortment of pieces as in No. 3710 in lengths of 70, 80, 90, 100, 110, 120, 130, 140 and 160 picas—972 pieces in all. Contents (No. 3750) and Cabinet only (No. 3717) may be purchased separately.

No. 3720 Furniture Cabinet, sold with contents, contains 28 pieces each 2 picas wide in 10, 15, 20, 25, 30, 35, 40, 50 and 60 pica lengths; 24 pieces each of 3 and 4 pica widths in same lengths as above; 20 pieces each of 5 and 6 pica widths in same lengths as above, and 16 pieces each of 8 and 10 pica widths in same lengths as above—1332 pieces in all. Contents (No. 3758) and Cabinet only (No. 3722) may be purchased separately.

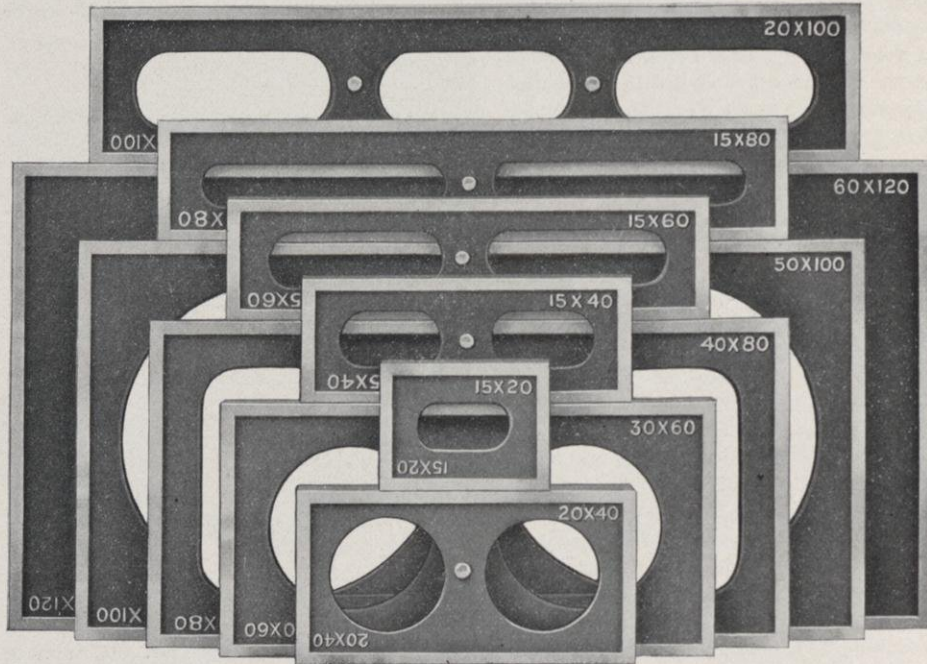
No. 3725 Furniture Cabinet, sold with contents, contains same number and assortment of pieces as in No. 3720 in lengths of 70, 80, 90, 100, 110, 120, 130, 140 and 160 picas—1332 pieces in all. Contents (No. 3760) and Cabinet only (No. 3727) may be purchased separately.



No. 3728-M, WITH CONTENTS
No. 3728-J is same design with half the contents

CHALLENGE MAMMOTH IRON FURNITURE

LIGHT, ACCURATE AND INDESTRUCTIBLE



Challenge Mammoth Iron Furniture is made on the point system, in seventy mammoth sizes, ranging from 15x15 to 60x120 ems pica. A great convenience in dressing out a large chase when locking up a small or open form, or in locking a small chase on the press bed. In book or catalogue work and when making up forms for color work, one piece of Challenge Mammoth Iron Furniture of the right size will fit into the space left vacant by the removal of a whole page. This feature effects a great saving of time in make-up. Challenge Mammoth Iron Furniture is sold by the font or by the piece, as desired.

MADE IN THE FOLLOWING STANDARD SIZES:

15x15	15x 50	15x120	20x 50	20x120	25x50	25x100	30x50	30x100	40x 60	40x120	50x 70	60x 60
15x20	15x 60	20x 20	20x 60	25x 25	25x60	25x120	30x60	30x120	40x 70	45x 45	50x 80	60x 70
15x25	15x 70	20x 25	20x 70	25x 30	25x70	30x 30	30x70	40x 40	40x 80	45x 50	50x 90	60x 80
15x30	15x 80	20x 30	20x 80	25x 40	25x80	30x 40	30x80	40x 45	40x 90	50x 50	50x100	60x 90
15x40	15x 90	20x 40	20x 90	25x 45	25x90	30x 45	30x90	40x 50	40x100	50x 60	50x120	60x100
15x45	15x100	20x 45	20x100									60x120

CHALLENGE MAMMOTH IRON FURNITURE IN LABOR-SAVING FONTS

Font 1—4 pieces each of all the sizes that are listed above, except the 15x70, 15x80, 15x90, 15x100, 15x120, 45x45 and 45x50 sizes; 252 pieces, 110 square feet.

Font 2—2 pieces each of all the 63 sizes as in Font 1; 126 pieces, 55 square feet.

Font 3—4 pieces each of all the 63 sizes as in Font 1, with the following additional, viz: 4 pieces each 15x15, 15x20, 15x25, 15x30, 20x25, 25x30, 45x45 and 45x50; 284 pieces, 115 square feet.

Font 4—Same sizes as Font 3 but double the quantity of each; 568 pieces, 230 square feet.

Font 5—2 pieces each same size as Font 2 but omitting 70 and 90 em lengths; 102 pieces, 42 square feet.

Font 6—2 pieces each same sizes as Font 2 but omitting 70, 90, 100 and 120 em lengths; 78 pieces, 22 square feet.

Font 7—2 pieces each 15, 20, 25, 30, 40, 45, 50 and 60 ems long by 15, 20, 25 and 30 ems wide; 52 pieces, 16 square feet.

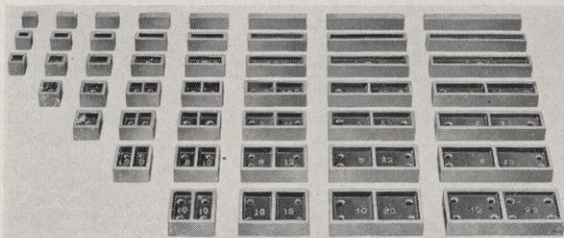
Font 8—4 pieces each 15, 20, 25, 30, 40, 45, 50 and 60 ems long by 15, 20, 25 and 30 ems wide; 104 pieces, 32 square feet.

CABINETS FOR CHALLENGE MAMMOTH IRON FURNITURE

Cabinets for holding different sized fonts of Mammoth Iron Furniture can be supplied on short notice.

CHALLENGE LABOR-SAVING IRON FURNITURE

The economy of purchasing furniture that will last indefinitely and retain absolute accuracy appeals to every buyer. While Labor-Saving Iron Furniture costs more than lead-base metal, and considerably more than wood furniture, its permanency makes it the cheaper in the long run.



Cast of the best gray iron obtainable, refined in alloying to an exceptionally close texture, the castings finished and micrometer gauged to accurate size, every piece is guaranteed of exact point-system dimensions. The weight is approximately 40% less than regular metal furniture, effecting a desirable lightness of forms. All pieces are strongly braced and will not yield under the severest strain of lockup. Possesses over ordinary furniture the advantages of permanent accuracy, indestructibility and lightness. Challenge Labor-Saving Iron Furniture is superior to any other kind of iron or hard metal furniture because the cross brace in each piece gives additional strength and provides a handy handle for lifting.

SIZES IN WHICH CHALLENGE LABOR-SAVING IRON FURNITURE IS MADE

2x4	2x70	3x40	4x20	4x120	5x60	6x35	8x20	9x10½	10x55
2x5	2x80	3x45	4x23	5x5	5x70	6x40	8x24	9x17	10x60
2x6	2x90	3x50	4x23½	5x6	5x80	6x45	8x25	9x26½	10x70
2x8	2x100	3x54	4x24	5x8	5x90	6x50	8x26½	9x50	10x80
2x10	2x120	3x55	4x25	5x10	5x100	6x54	8x30	10x10	10x90
2x12	3x4	3x60	4x26½	5x12	5x120	6x55	8x35	10x12	10x100
2x15	3x5	3x70	4x30	5x15	6x6	6x60	8x40	10x15	10x120
2x16	3x6	3x80	4x30½	5x16	6x8	6x70	8x45	10x16	12x12
2x20	3x8	3x90	4x35	5x20	6x10	6x80	8x48	10x20	12x15
2x23	3x10	3x100	4x40	5x23	6x12	6x90	8x50	10x24	12x20
2x24	3x12	3x120	4x45	5x24	6x15	6x100	8x54	10x25	12x25
2x25	3x15	4x4	4x50	5x25	6x16	6x120	8x55	10x26½	12x30
2x30	3x16	4x5	4x54	5x30	6x20	7x50	8x60	10x28½	12x40
2x35	3x20	4x6	4x55	5x35	6x23	7x72	8x70	10x30	12x48
2x40	3x23	4x8	4x60	5x40	6x24	8x8	8x80	10x35	12x50
2x45	3x24	4x10	4x70	5x45	6x25	8x10	8x90	10x40	12x60
2x50	3x25	4x12	4x80	5x50	6x26½	8x12	8x96	10x45	12x70
2x55	3x30	4x15	4x90	5x54	6x27	8x15	8x100	10x50	12x80
2x60	3x35	4x16	4x100	5x55	6x30	8x16	8x120	10x54	

Note: All pieces 2 picas wide are solid steel.

The height of Challenge Labor-Saving Iron Furniture is .625-inch.

FONTS OF CHALLENGE LABOR-SAVING IRON FURNITURE

Orders will be filled for any selection of sizes shown above and any desired quantity of each but—to facilitate ordering, a variety of regular Fonts is available, standard assortments which meet all normal requirements, listed as follows:

Font A, 392 Pieces—12 each 3, 4 and 5x5, 3, 4, 5, and 6x6, 3, 4, 5, 6 and 8x8, 3, 4, 5, 6, 8 and 10x10, 3, 4, 5, 6, 8 and 10x15, 3 and 4x20; 8 each 5, 6, 8 and 10x20, 3, 4, 5, 6, 8 and 10x25.

Font A1, 1016 Pieces—32 each 2, 3 and 4x4; 24 each 2, 3, 4 and 5x5, 2, 3, 4, 5 and 6x6, 2, 3, 4, 5, 6, and 8x8, 2, 3, 4, 5, 6, 8 and 10x10, 2, 3, 4, 5, 6, 8, and 10x15; 16 each 2, 3, 4, 5, 6, 8 and 10x20, 2, 3, 4, 5, 6, 8 and 10x25.

Font A2, 508 Pieces—One-half of Font A1.

Font A3, 254 Pieces—One-fourth of Font A1.

Font A4, 127 Pieces—One-eighth of Font A1.

Font B, 488 Pieces—12 each 2x4, 2, 3, 4 and 5x5, 2, 3, 4, 5 and 6x6, 2, 3, 4, 5, 6 and 8x8, 2, 3, 4, 5, 6, 8 and 10x10, 2, 3, 4, 5, 6, 8 and 10x15, 2, 3 and 4x20, 2x25; 8 each 5, 6, 8 and 10x20, 3, 4, 5, 6, 8 and 10x25.

Font C, 288 Pieces—16 each 3, 4, 5, 6, 8 and 10x-15, 3, 4, 5, 6, 8 and 10x20, 3, 4, 5, 6, 8 and 10x25.

Font D, 336 Pieces—16 each 2, 3, 4, 5, 6, 8 and 10x15, 2, 3, 4, 5, 6, 8 and 10x20, 2, 3, 4, 5, 6, 8 and 10x25.

Font G, 196 Pieces—6 each 3, 4 and 5x5, 3, 4, 5 and 6x6, 3, 4, 5, 6 and 8x8, 3, 4, 5, 6, 8 and 10x-10, 3, 4, 5, 6, 8 and 10x15, 3 and 4x20; 4 each 5, 6, 8 and 10x20, 3, 4, 5, 6, 8 and 10x25.

Font H, 244 Pieces—6 each 2x4, 2, 3, 4 and 5x5, 2, 3, 4, 5 and 6x6, 2, 3, 4, 5, 6 and 8x8, 2, 3, 4, 5, 6, 8 and 10x10, 2, 3, 4, 5, 6, 8 and 10x15, 2, 3 and 4x20, 2x25; 4 each 5, 6, 8 and 10x20, 3, 4, 5, 6, 8 and 10x25.

Font I-1, 560 Pieces—16 each 2, 3, 4, 5, 6, 8 and 10x15, 2, 3, 4, 5, 6, 8 and 10x20, 2, 3, 4, 5, 6, 8 and 10x25; 8 each 2, 3, 4, 5, 6, 8 and 10x30, 2, 3, 4, 5, 6, 8 and 10x40, 2, 3, 4, 5, 6, 8 and 10x50, 2, 3, 4, 5, 6, 8 and 10x60.

Font J1, 816 Pieces—18 each 2, 3 and 4x10, 2, 3 and 4x15, 2, 3 and 4x20, 2, 3 and 4x25, 2, 3 and 4x30, 2, 3 and 4x40, 2, 3 and 4x50, 2, 3 and 4x60; 15 each 5 and 6x10, 5 and 6x15, 5 and 6x-20, 5 and 6x25, 5 and 6x30, 5 and 6x40, 5 and 6x50, 5 and 6x60; 9 each 8 and 10x10, 8 and 10x-15, 8 and 10x20, 8 and 10x25, 8 and 10x30, 8 and 10x40, 8 and 10x50, 8 and 10x60.

Font K1, 510 Pieces—18 each 2, 3 and 4x10, 2, 3 and 4x15, 2, 3 and 4x20, 2, 3 and 4x25, 2, 3 and 4x30; 15 each 5 and 6x10, 5 and 6x15, 5 and 6x20, 5 and 6x25, 5 and 6x30; 9 each 8 and 10x-10, 8 and 10x15, 8 and 10x20, 8 and 10x25, 8 and 10x30.

Font M, 98 Pieces—3 each 3, 4 and 5x5, 3, 4, 5 and 6x6, 3, 4, 5, 6 and 8x8, 3, 4, 5, 6, 8 and 10x-10, 3, 4, 5, 6, 8 and 10x15, 3 and 4x20; 2 each 5, 6, 8 and 10x20, 3, 4, 5, 6, 8 and 10x25.

Font N, 122 Pieces—3 each 2x4, 2, 3, 4 and 5x5, 2, 3, 4, 5 and 6x6, 2, 3, 4, 5, 6 and 8x8, 2, 3, 4, 5, 6, 8 and 10x10, 2, 3, 4, 5, 6, 8 and 10x15, 2, 3 and 4x20, 2x25; 2 each 5, 6, 8 and 10x20, 3, 4, 5, 6, 8 and 10x25.

Font P, 84 Pieces—4 each 2, 3, 4, 5, 6, 8 and 10x15, 2, 3, 4, 5, 6, 8 and 10x20, 2, 3, 4, 5, 6, 8 and 10x25.

Font Q, 147 Pieces—9 each 2, 3 and 4x4, 2, 3, and 4x5, 2, 3 and 4x6; 7 each 2, 3 and 4x8, 2, 3 and 4x12; 4 each 2, 3 and 4x16, 2, 3 and 4x20.

Font S, for No. 3728 Hamilton Furniture Cabinet (Old No. 10 Midget), 280 Pieces—5 each 2, 3, 4, 5, 6, 8 and 10x10, 2, 3, 4, 5, 6, 8 and 10x15, 2, 3, 4, 5, 6, 8 and 10x20, 2, 3, 4, 5, 6, 8 and 10x25, 2, 3, 4, 5, 6, 8 and 10x30, 2, 3, 4, 5, 6, 8 and 10x40, 2, 3, 4, 5, 6, 8 and 10x50 and 2, 3, 4, 5, 6, 8 and 10x60.

Font T, for No. 3255 Metal Furniture Case (formerly Jones), full capacity, 1530 Pieces—

45 each 2x4, 2x5, 2x6, 2x8, 2x10, 2x15, 2x20, 2x25, 3x4, 3x5, 3x6, 3x8, 3x10, 3x15, 3x20 and 3x25; 33 each 4x4, 4x5, 4x6, 4x8, 4x10, 4x15, 4x20 and 4x25; 27 each 5x5, 5x6, 5x8, 5x10, 5x15, 5x20 and 5x25; 21 each 6x6, 6x8, 6x10, 6x15, 6x20 and 6x25; 15 each 8x8, 8x10, 8x15, 8x20 and 8x25; 12 each 10x10, 10x15, 10x20 and 10x25; 6 each 2x30, 2x40, 2x45, 2x50, 3x-30, 3x40, 3x45 and 3x50; 3 each 4x30, 4x40, 4x45, 4x50, 5x30, 5x40, 5x45, 5x50, 6x30, 6x40, 6x45, 6x50, 8x30, 8x40, 8x45, 8x50, 10x30, 10x-40, 10x45 and 10x50.

Font V, for American Cut-Cost Brass Rule and Furniture Cabinets, Nos. 546 and 547 (Steel); Nos. 9041 and 9044 (Wood), 1278 Pieces—40 each 2x6, 2x8, 2x10 and 2x15; 32 each 3x6, 3x8, 3x10 and 3x15; 30 each 2x20, 2x25 and 2x30; 28 each 4x6, 4x8, 4x10, 4x15, 5x6, 5x8, 5x10, 5x15, 6x6, 6x8, 6x10 and 6x15; 25 each 3x20, 3x25 and 3x30; 24 pieces 2x40; 15 pieces 3x50; 20 each 3x40, 4x20, 4x25, 4x30, 5x-20, 5x25, 5x30, 6x20, 6x25 and 6x30; 8 each 8x-40 and 10x40; 12 each 4x50, 5x50, 6x50, 8x8, 8x10, 8x15, 10x10 and 10x15; 18 each 2x50; 6 each 8x50 and 10x50; 16 each 4x40, 5x40 and 6x40; 10 each 8x20, 8x25, 8x30, 10x20, 10x25 and 10x30.

Font W, for American Cut-Cost Locking-Up Materials Cabinet, No. 527 (Steel); No. 9085 (Wood), 3517 Pieces—120 each 2x6, 2x8, 2x10, 2x15 and 2x20; 105 each 3x6, 3x8, 3x10, 3x15 and 3x20; 85 each 2x25 and 2x30; 75 each 3x25, 3x30, 4x6, 4x8, 4x10, 4x15 and 4x20; 60 each 2x40, 2x50, 5x6, 5x8, 5x10, 5x15, 5x20, 6x6, 6x8, 6x10, 6x15 and 6x20; 55 each 4x25 and 4x30; 45 each 5x25, 5x30, 6x25, 6x30, 8x8, 8x10, 8x15 and 8x20; 40 each 3x40 and 3x50; 35 each 8x25, 8x30, 10x10, 10x15 and 10x20; 30 each 4x40 and 4x50; 25 each 10x25 and 10x30; 24 each 5x40 and 5x50; 20 each 6x40 and 6x50; 15 each 8x40 and 8x-50; 12 each 10x40 and 10x50.

Font X, for American Cut-Cost Locking-Up Materials Cabinet, No. 526 (Steel); No. 9080 (Wood), 2053 Pieces—66 each 2x6, 2x8, 2x-10 and 2x15; 57 each 3x6, 3x8, 3x10 and 3x15; 51 each 4x6, 4x8, 4x10 and 4x15; 46 each 5x-6, 5x8, 5x10 and 5x15; 39 each 6x6, 6x8, 6x10 and 6x15; 36 each 2x20, 2x25, 2x30, 2x40 and 2x50; 30 each 3x20, 3x25, 3x30, 3x40 and 3x-50; 27 each 4x20, 4x25, 4x30, 4x40, 4x50, 6x8, 8x8, 8x10 and 8x15; 24 each 5x20, 5x25, 5x30, 5x40 and 5x50; 21 each 6x20, 6x25, 6x30, 6x40, 6x50, 6x10, 8x10, 10x10 and 10x15; 15 each 8x20, 8x25, 8x30, 8x40 and 8x50; 12 each 10x-20, 10x25, 10x30, 10x40 and 10x50.

Font Y, for Hamilton Cabinet No. 3712, 972 Pieces—24 each 2x10, 2x15, 2x20, 2x25, 2x30, 2x35, 2x40, 2x50 and 2x60, 3x10, 3x15, 3x20, 3x-25, 3x30, 3x35, 3x40, 3x50 and 3x60; 16 each

4x10, 4x15, 4x20, 4x25, 4x30, 4x35, 4x40, 4x50 and 4x60, 5x10, 5x15, 5x20, 5x25, 5x30, 5x35, 5x40, 5x50 and 5x60; 12 each 6x10, 6x15, 6x20, 6x25, 6x30, 6x35, 6x40, 6x50 and 6x60; 8 each 8x10, 8x15, 8x20, 8x25, 8x30, 8x35, 8x40, 8x50 and 8x60, 10x10, 10x15, 10x20, 10x25, 10x30, 10x35, 10x40, 10x50 and 10x60.

Font YY, for Hamilton Cabinet No. 3722, 1332 Pieces—28 each 2x10, 2x15, 2x20, 2x25, 2x30, 2x35, 2x40, 2x50 and 2x60; 24 each 3x10, 3x15, 3x20, 3x25, 3x30, 3x35, 3x40, 3x50 and 3x60, 4x10, 4x15, 4x20, 4x25, 4x30, 4x35, 4x40, 4x50 and 4x60; 20 each 5x10, 5x15, 5x20, 5x25, 5x30, 5x35, 5x40, 5x50 and 5x60, 6x10, 6x15, 6x20, 6x25, 6x30, 6x35, 6x40, 6x50 and 6x60; 16 each 8x10, 8x15, 8x20, 8x25, 8x30, 8x35, 8x40, 8x50 and 8x60, 10x10, 10x15, 10x20, 10x25, 10x30, 10x35, 10x40, 10x50 and 10x60.

Other fonts are furnished to fill Cut-Cost Cabinets, thus: No. 546-K, 1278 pieces, and Nos. 9085-F, 3517 pieces, and 9085-G, 1759 pieces. These fonts contain widths of 2, 3, 4, 5, 6, 8 and 10 picas, and lengths of 6, 8, 10, 15, 20, 25, 30, 40 and 50 picas.

Labor-Saving Cast Iron Furniture may also be obtained in a variety of fonts smaller than those listed above. It can also be obtained in sorts.

Ask for information and prices.

Font Y-1, for Hamilton Cabinet No. 3702, 432 Pieces—12 each 2x10, 2x15, 2x20, 2x25, 2x30, 2x35, 2x40, 2x50 and 2x60, 3x10, 3x15, 3x20, 3x25, 3x30, 3x35, 3x40, 3x50 and 3x60; 8 each 4x10, 4x15, 4x20, 4x25, 4x30, 4x35, 4x40, 4x50 and 4x60; 4 each 5x10, 5x15, 5x20, 5x25, 5x30, 5x35, 5x40, 5x50 and 5x60, 6x10, 6x15, 6x20, 6x25, 6x30, 6x35, 6x40, 6x50 and 6x60, 8x10, 8x15, 8x20, 8x25, 8x30, 8x35, 8x40, 8x50 and 8x60, 10x10, 10x15, 10x20, 10x25, 10x30, 10x35, 10x40, 10x50 and 10x60.

Font Z-1, for Hamilton Cabinet No. 3657, 2288 Pieces—96 each 2, 3 and 4x4, 2, 3, 4 and 5x5, 2, 3, 4, 5 and 6x6, 2, 3, 4, 5, 6 and 8x8; 24 each 2, 3, 4, 5, 6, 8 and 10x10, 2, 3, 4, 5, 6, 8 and 10x15; 16 each 2, 3, 4, 5, 6, 8 and 10x20, 2, 3, 4, 5, 6, 8 and 10x25.

INTERLOCKING STEEL FURNITURE

EXCEPTIONALLY VALUABLE FOR BLANK WORK

Interlocking Steel Furniture has been in use for many years, and is one of the greatest labor-savers ever introduced to the printing trade. It is a well tried and useful device for saving time in the making up and locking up of printing forms.

Furthermore, it gives a large degree of lightness to open forms on large presses, or small printing surfaces when large chases are used. It is made from especially cold-drawn steel, accurate in every dimension to the thousandth part of an inch, and cut to accurate lengths with milled notched ends, which can be quickly set around blank spaces instead of filling them in the ordinary way with wood or metal furniture. For color and blank work it is exceptionally valuable, as it eliminates shrinkage due to changes in temperature. It is practically indestructible, and, being made of steel, always remains accurate. Four pieces each 42 picas long will fill a blank of 49 square inches, weigh but little, can be quickly installed, and will prove more secure with a minimum of pieces. Using larger pieces, eight will fill a blank 12x24 inches, or 288 square inches. The few pieces required for large spaces, its security, and little liability to damage by use or from corrosion, give this steel furniture advantages possessed by no other material used for a similar purpose.

Interlocking Steel Furniture is made of 24, 36, 48 or 54 point steel, $\frac{3}{8}$ inch high, and with either 12 or 18 point notches. Put up in a variety of fonts.

We can supply cabinets for holding various sized fonts of Labor-Saving Cast Iron Furniture and Interlocking Steel Furniture. Write for prices and information.



No. 1—24 PT. STEEL WITH ONE 12-PT. NOTCH



No. 2—36 PT. STEEL WITH TWO 12 PT. NOTCHES



No. 3—36 PT. STEEL WITH ONE 18-PT. NOTCH



No. 4—48 PT. STEEL WITH THREE 12-PT. NOTCHES



No. 5—54 PT. STEEL WITH TWO 18-PT. NOTCHES

IMPROVED METAL FURNITURE

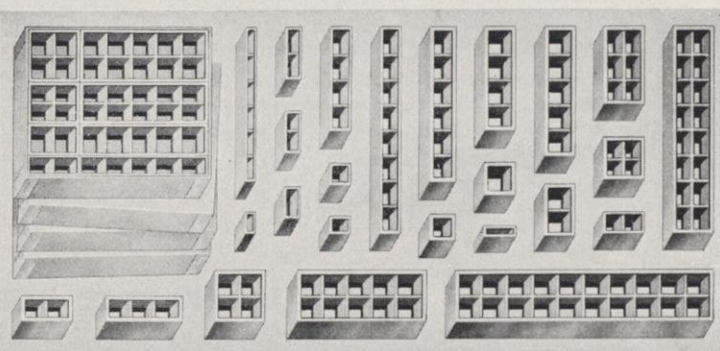
For general use this style is more popular than other kinds of metal furniture cast of lead-base alloy, because of its lightness and consequent economy of cost. A regular 25-Pound Font covers an area of 226 square inches. Though of light, open structure it is strongly braced and satisfactorily withstands the squeeze of the lockup. The height of this furniture is about $\frac{5}{8}$ -inch. Cast in widths of 2, 3, 4, 5, 6, 8 and 10 pica ems. Made only in lengths of 4, 5, 6, 8, 10, 15, 20, 25, 30, 40 and 50 pica ems. It cannot be furnished in widths or lengths other than stated. Supplied in Labor-Saving Fonts of 12, 25, 50, 100 Pounds and multiples of these weights. Fonts consist of all widths and lengths assorted, except that 30, 40 and 50 em lengths are not included in Fonts of less than 50 Pounds. Sorts or any special assortment of regular sizes will be supplied as ordered.

APPROXIMATE SCHEME OF 25 POUND FONT

8 pieces each 2x4 and 3x4; 6 pieces each 4x4, 2x5, 3x5 and 4x5; 4 pieces each 5x5, 2x6, 3x6 and 4x6; 4 pieces each 5x6 and 6x6; 4 pieces each 2x8, 3x8 and 4x8; 4 pieces each 5x8 and 6x8; 2 pieces each 8x8; 4 pieces each 2x10, 3x10 and 4x10; 4 pieces each 5x10 and 6x10; 2 pieces each 8x10, 10x10, 2x15, 3x15, 4x15, 5x15, 6x15, 8x15, 10x15, 2x20, 3x20, 4x20, 5x20, 6x20, 8x20, 10x20, 2x25, 3x25, 4x25, 5x25, 6x25, 8x25, 10x25.

A 12-Pound Font contains approximately one-half the quantity of a 25-Pound Font. A

50-Pound Font includes all sizes of the 25-Pound Font with 30, 40 and 50-em lengths added in all widths. A 100-Pound Font is double the scheme of a 50-Pound Font.

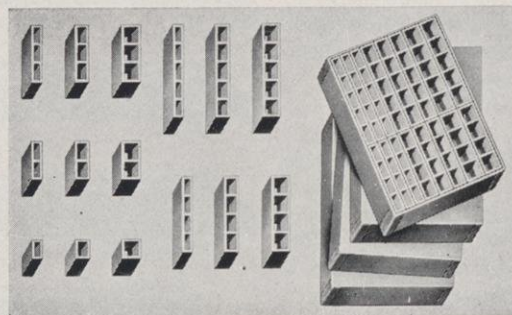


QUOTATION METAL FURNITURE

Slightly heavier construction than the Improved, and in different sizes. Cast with closed bottom which presents a smooth surface. This feature has advantages when the forms are to be electrotyped or stereotyped. A regular Font of 25 Pounds covers an area of 192 square

inches. Made only in widths of 2, 3 and 4 pica ems, and can be furnished in any unit of 4 ems long up to the limit of the cast strip, which is 80 ems. Regular Fonts contain all widths, and lengths of 4, 8, 12, 16, and 20 ems—regular Fonts do not contain pieces longer than 20 ems. The height of Quotation Furniture is $.695$ -inch (about $\frac{5}{8}$ inch).

Supplied in Labor-Saving Fonts of 12½, 25, 50, 100 Pounds and multiples of these weights. Fonts contain widths 2, 3 and 4 ems, and lengths 4, 8,



12, 16 and 20 ems assorted. Cut-to-Measure as ordered in additional lengths of 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76 and 80 pica ems.

APPROXIMATE SCHEME OF 25 POUND FONT

18 pieces each 2x4, 3x4, 4x4; 15 pieces each 2x8 and 3x8; 14 pieces 4x8; 12 pieces each 2x12, 3x12, 4x12, 2x16, 3x16, 4x16, 2x20, 3x20 and 4x20 ems.

The 12½-Pound Font contains same widths and lengths as the 25-Pound Font, but in less quantity. The 50-Pound Font is double and the 100-Pound Font four times the quantity of a 25-Pound Font.

HACKER PLATE GAUGE No. 9 WITH EQUIPMENT FOR PRELIMINARY UNDERLAY



Where this equipment is used to prepare cuts for the pressroom or foundry much valuable time and expensive labor cost is saved. By the use of the No. 9 Hacker Plate Gauge all cuts and plates are made the proper height before sending the forms to press. This naturally brings about tremendous economies in make-ready and press time.

Cuts are measured on the Gauge and departures from "type-high" noted. They are nearly always low, varying in themselves and varying from standard. They are underlaid to correct these errors. The method, the possibilities and the limitations are familiar to all pressmen. Working by measurement, however, is so much more orderly and definite than working by press proof and does not delay an expensive printing press.

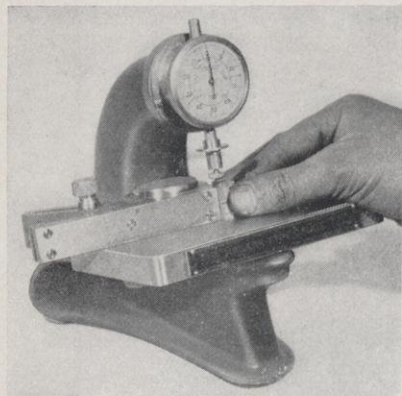
The ten compartments just under the table top contain underlay paper in each thickness from .001 to .010 of an inch. Thus the operator puts his hand at once on the required thickness as indicated by readings on the dial.

A large portion of plate preparation to save make-ready can be done in advance with a No. 9 Hacker Plate Gauge. Every printer printing from plates on flat-bed presses needs it.

A small steel paper cabinet for underlay paper in different thicknesses, together with a surface plate, portable and convenient, can be supplied at a lower price and in lieu of the work table above illustrated.

The No. 9 Plate Gauge is one of many precision machines made by Hacker for pre-make-ready work. Information concerning any and all of these will be furnished upon request.

HACKER TYPE GAUGE



This instrument offers printers and machine compositors a means of obtaining quick and dependable measurements of type-high, with the view of correcting error at the source. It was prompted by the uncertainties of ordinary one-inch micrometers which are difficult to use on work of this nature.

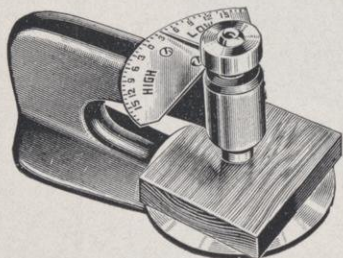
The dial is set to zero on the .918 in. gauge. Type is placed in a corner-stop and is then slid under the plunger of the dial test indicator. Lino-slugs are placed against a back-stop and similarly moved under the indicator. The needle will point errors in thousandths of an inch.

The facility with which reliable measurements can be taken on this device invites more frequent inspection and results in a more accurate product.

As with all Hacker Gauges this little measuring device is both strong and sure. Its precision should last indefinitely.

KEMPER TYPE-HIGH GAUGE

This Gauge supplies a simple, accurate, but inexpensive means for sending cuts or plates to the pressroom made to proper printing height, thereby saving valuable time of both men and machines. By testing the cuts and plates for proper height and underlaying them before sending them to press, much of the time wasted in unlocking and locking forms in the pressroom is turned into productive time.



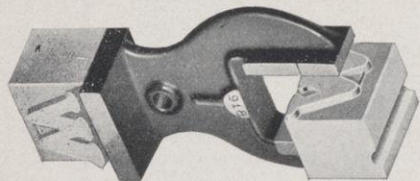
The Kemper Gauge is constructed of heavy semi-steel. The calipering screw is of the highest quality of tool steel. The plate base is ground and plated and will not scratch the most delicate cut.

To operate, merely slide the cut on the base and turn the pointer from the center. The indicator will show in thousandths how much the cut is high or low.

The Gauge as illustrated shows it testing a mounted cut for .918 high. At a slight extra cost, an attachment for testing .152-high plates can be supplied.

POCKET TYPE-HIGH GAUGES

Our Pocket Type-High Gauges are absolutely accurate, all being ground to .918 of an inch.



SUPERIOR TYPE-HIGH GAUGE



MILLS THREE-HEIGHTS GAUGE



CHALLENGE TYPE-HIGH GAUGE

At the price at which these Type-High Gauges are sold, there should be one available for every man handling cuts before printing.

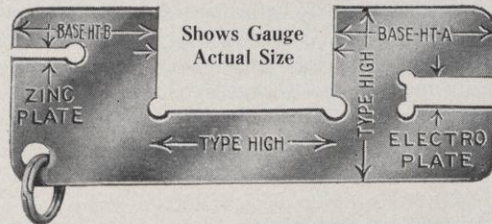
By using them at the proper time—before locking up the forms—they save the time of men and machines in the pressroom.

Write for information regarding our full line of Type-High Gauges

COMBINED TYPE-HIGH, PLATE, AND BASE GAUGE

A handy six-in-one Gauge. Tells in an instant the correct height of type, press bearers, or mounted cuts. Also the thickness of unmounted etchings, electrotypes or stereotypes. Tests also for the two heights of plate bases.

Made of steel, finely tempered and polished. Supplied in a durable leather case of convenient pocket size.



THE KELLY GAS HEATER CONTROL

Gas Heaters are now recognized as a necessity in the pressroom in keeping presses in operation, thereby increasing production.

The Kelly Gas Heater Control is new in design, unique and positive in its control feature, certain in the results accomplished, and is entirely mechanical in operation. It is made for attachment to Kelly Automatic Presses and will keep in excellent working condition indefinitely. Being driven direct from the press there is no expense for electricity.

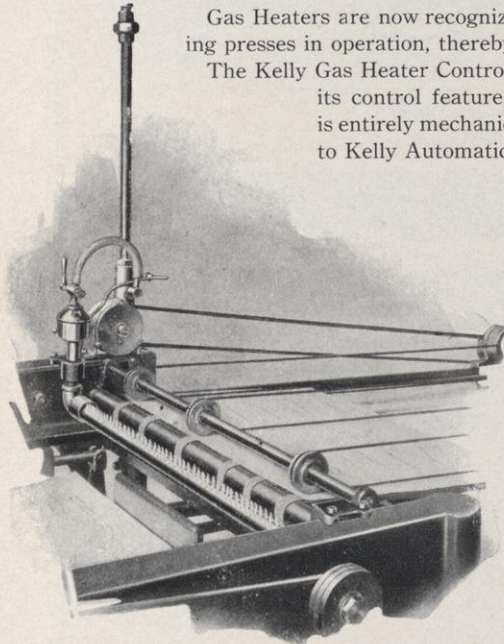
The mechanically controlled gas flame on the Kelly Heater is in direct contact with the sheet as it is delivered to the jogger or extension delivery. Every part of the sheet is affected and this heat is retained in the pile. The ink begins setting immediately, making it possible to quickly handle lifts or back up forms, an impossibility under old conditions.

The gas valve on the Kelly Control is spring-seated and does not open until the press gets up speed. This is an exclusive and important feature.

Removes static electricity, saves slip-sheeting and hand jogging, dries the printed sheet, makes running full color possible, increases production, permits

backing up forms quickly, minimizes spoilage; work is trimmed and delivered more promptly.

It permits the presses to be inched without the gas igniting. It also insures gas cut off an instant before the press comes to a full stop. There is no waste of fuel or escape of gas in room.



KELLY GAS HEATER CONTROL

WHITMORE'S GEAR PROTECTIVE COMPOSITION

Wherever there are gears there is need for a good gear composition. Whitmore's is in general use among printers, publishers and lithographers. This is because users have found that it adds 500 per cent to gear life. No other lubricant will do this.

Put Whitmore's on the bed motion, rack frame shoes, and all gears and pinions on your presses.

Whitmore's positively prevents friction—it forms a thin film on the metal, thereby eliminating the contact of one metal surface with another—and assures a longer life of the gears and a more noiseless operation.

Whitmore's has been, after thorough tests, approved and recommended by the Kelly Press Division of this Company for use on Kelly Presses.

Put up in 5-lb., 10-lb., 25-lb. and 50-lb. cans; also in kegs and barrels.

TYPE MEASURES AND LINE GAUGES

Type Measures are a necessity in the advertising department and the mechanical department of every newspaper and periodical office. Every superintendent, foreman, layout man, advertising manager, business manager, publisher and editor should have one on his desk. We handle a complete line of approved makes, and can supply a size and scale to meet every requirement.

ROUSE TYPE GAUGE

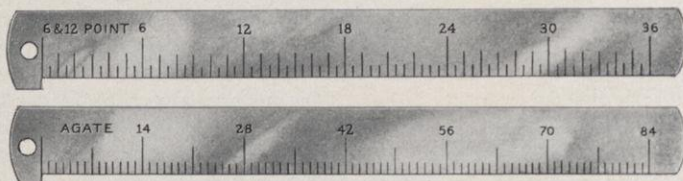
ETCHED ON SOLID BRASS

Of solid brass, Rouse Type Gauges remain accurate; their graduation, bright on black, is extremely legible. Made in 8, 12, 18 and 22-inch lengths with 6 and 12-point and agate or 6 and 12-point and inch graduations.

No. 1—12 inch, 6 and 12 point and Agate	No. 4—18 inch, 6 and 12 point and Agate
No. 2—12 inch, 6 and 12 point and Inches	No. 5—18 inch, 6 and 12 point and Inches
No. 3—8 inch, 6 and 12 point and Agate	No. 6—22 inch, 6 and 12 point and Agate
No. 11—8 inch, 6 and 12 point and Inches	No. 7—22 inch, 6 and 12 point and Inches

SUPERIOR LINE GAUGE

MADE IN A VARIETY OF STYLES AND SIZES



The Superior Line Gauges are made in a variety of sizes from 6 inches long to 24 inches long, and are scaled to measure agate, 6-point and 12-point. The 6-inch and 12-inch sizes are made of 4-point brass. The 14, 15, 21, 22 and 24-inch sizes are made of 6-point brass.

PICA-AGATE

611	6 in.—Scales	36 ems 6 and 12 point; 84 agates
1212	12 in.—Scales	72 ems 6 and 12 point; 168 agates
1513	15 in.—Scales	90 ems 6 and 12 point; 210 agates
1828	18 in.—Scales	108 ems 6 and 12 point; 252 agates
2214	22 in.—Scales	132 ems 6 and 12 point; 308 agates
2415	24 in.—Scales	144 ems 6 and 12 point; 336 agates

PICA-INCH

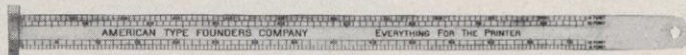
621	6 in.—Scales	36 ems 6 and 12 point; 6 inches
1222	12 in.—Scales	72 ems 6 and 12 point; 12 inches
1523	15 in.—Scales	90 ems 6 and 12 point; 15 inches
1830	18 in.—Scales	108 ems 6 and 12 point; 18 inches
2224	22 in.—Scales	132 ems 6 and 12 point; 22 inches
2425	24 in.—Scales	144 ems 6 and 12 point; 24 inches

AGATE-INCH

616	6 in.—Scales	84 agates; 6 inches	1829	18 in.—Scales	252 agates; 18 inches
1217	12 in.—Scales	168 agates; 12 inches	2219	22 in.—Scales	308 agates; 22 inches
1518	15 in.—Scales	210 agates; 15 inches	2420	24 in.—Scales	336 agates; 24 inches

AMERICAN TYPE GAUGE No. 1200

Here is a Type Gauge for every good printer. It will give a lifetime of satisfactory service. This Type Gauge is graduated by the same process as machinist steel scales, i. e., it is machine divided, giving it fine, accurately placed lines. It is made of the best tempered and



polished rule steel, 14½ inches long overall, ¾ inch wide, ⅓ inch thick. It is graduated on one side to 6, 8, 10 and 12 points. On the other side is agate and a standard 12 inch measure by 16ths. The zero of all measures falls exactly at the inside of the T hook.

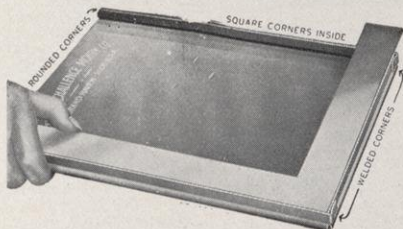
Measurements on this gauge are based on the exact type point system, which differs slightly from the regular linear inch measure.

All markings and figures are sunken and black, hence permanent and in good contrast for easy reading. It is a tool that will please the skilled worker.

PRESSED STEEL GALLEYS

Pressed Steel Galleys are made of cold-rolled steel, polished or cadmium plated, formed with special machinery to reduce labor cost to the minimum, with electrically welded corners. Rigidity is ensured by the beaded formation under each of the rims.

Pressed Steel Galleys are furnished, to order, with consecutive numbers, either stamped on the back rim of galleys or by number plates attached to back wall of galleys. Numbering is extra. The outside measurements are $\frac{3}{8}$ in. wider than the inside, narrow-wise.



CHALLENGE PRESSED STEEL GALLEY



HAMILTON PRESSED STEEL GALLEY

CHALLENGE PRESSED STEEL GALLEYS

NEWS AND BOOK SIZES

Sizes, inside	Description
13 picas+1 pt.x23 $\frac{1}{4}$ in.	For 13 pica column
2 $\frac{3}{4}$ x23 $\frac{1}{4}$ in.	News single column
3 $\frac{1}{2}$ x23 $\frac{1}{4}$ in.	Single column
3 $\frac{1}{2}$ x11 $\frac{1}{4}$ in.	Half-length single column
26 $\frac{1}{2}$ picas+2 pts.x23 $\frac{1}{4}$ in. ...	For 26 $\frac{1}{2}$ pica column
6 $\frac{1}{4}$ x23 $\frac{1}{4}$ in.	Double column
6 $\frac{1}{4}$ x11 $\frac{1}{4}$ in.	Half-length double column
8 $\frac{1}{2}$ x23 $\frac{1}{4}$ in.	Triple column
10 $\frac{1}{2}$ x23 $\frac{1}{4}$ in.	Four column

JOB SIZES

6x10 in. 8 $\frac{3}{4}$ x13 in. 10x16 in. 12x18 in.

MAILING SIZES, CLOSED ENDS

13 picas+1 pt.x22 $\frac{5}{8}$ in.	26 $\frac{1}{2}$ picas+2 pts.x22 $\frac{5}{8}$ in.
2 $\frac{3}{4}$ x22 $\frac{5}{8}$ in.	6 $\frac{1}{4}$ x22 $\frac{5}{8}$ in.
3 $\frac{1}{2}$ x22 $\frac{5}{8}$ in.	8 $\frac{1}{2}$ x22 $\frac{5}{8}$ in.

HAMILTON PRESSED STEEL GALLEYS

NEWS AND BOOK SIZES

Sizes, inside	Description
13 picas+1 pt.x23 $\frac{1}{2}$ in.	For 13 pica column
2 $\frac{3}{4}$ x23 $\frac{1}{2}$ in.	News single column
3 $\frac{1}{2}$ x23 $\frac{1}{2}$ in.	Single column
3 $\frac{1}{2}$ x11 $\frac{1}{4}$ in.	Half-length single column
26 $\frac{1}{2}$ picas+2 pts.x23 $\frac{1}{2}$ in. ...	For 26 $\frac{1}{2}$ pica column
6 $\frac{1}{4}$ x23 $\frac{1}{2}$ in.	Double column
6 $\frac{1}{4}$ x11 $\frac{1}{4}$ in.	Half-length double column
8 $\frac{1}{2}$ x23 $\frac{1}{2}$ in.	Triple column
10 $\frac{1}{2}$ x23 $\frac{1}{2}$ in.	Four column

JOB SIZES

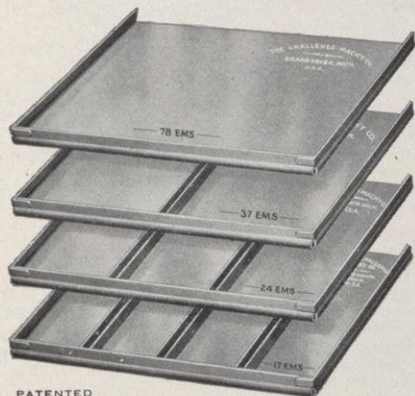
6x10 in. 8 $\frac{3}{4}$ x13 in. 10x16 in. 12x18 in.

MAILING SIZES, CLOSED ENDS

13 picas+1 pt.x23 $\frac{1}{2}$ in.	26 $\frac{1}{2}$ picas+2 pts.x23 $\frac{1}{2}$ in.
2 $\frac{3}{4}$ x23 $\frac{1}{2}$ in.	6 $\frac{1}{4}$ x23 $\frac{1}{2}$ in.
3 $\frac{1}{2}$ x23 $\frac{1}{2}$ in.	8 $\frac{1}{2}$ x23 $\frac{1}{2}$ in.

OPEN-SIDE GALLEYS

The Open-Side Galleys supply a convenient and compact means of storing book and catalog pages. By their use each page occupies its own individual compartment. The galleys are made in three popular job sizes—8 $\frac{3}{4}$ x13 in.; 10x16 in.; and 12x18 in. The opening is at the right side instead of the end. They can be supplied plain or with one, two, or three substantial divisions. They operate in the standard galley storage cabinets for their respective sizes. If desired the Open-Side Galleys can be furnished cadmium plated (rustproof) at a small increase in price.



At a slight extra cost they can be supplied with numbers stamped either directly on the galleys or with number plates welded to galleys.

Made by the same high standards of workmanship as other pressed steel galleys.

RIGID RIM STEEL GALLEYS

A superior style of steel galley, with wide rims, spot-welded to bottoms. Numbering is extra.

NEWS AND BOOK SIZES

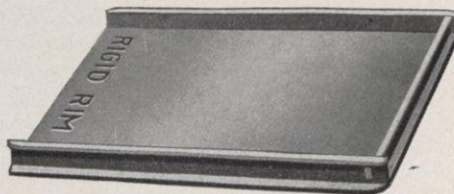
*Sizes, inside	Description
2¾x23½ in.	News single column
3½x23½ in.	Single column
3½x11¼ in.	Half-length single column
26½ picas+2 pts.x23½ in.	News double column
6¼x23½ in.	Double column
6¼x11¼ in.	Half-length double column
8½x23½ in.	Triple column
10½x23½ in.	Four column
12¾x23½ in.	Five column
15 x23½ in.	Six column
17¼x23½ in.	Seven column
19½x23½ in.	Eight column

JOB SIZES

6x10 in.	†8¼x12¾ in.	10x16 in.	†11½x17¾ in.
	†9½x15¾ in.		12x18 in.

*Outside dimensions are ¾ in. wider and ⅜ in. longer than inside dimensions.

†These three sizes will fit in galley cabinets made to take 8¼x13, 10x16 and 12x18 in. pressed steel galleys.



RIGID RIM STEEL GALLEY

MAILING SIZES, CLOSED ENDS

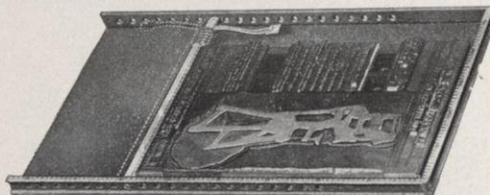
*Sizes, inside	Description
2¾x23½ in.	News single column
3½x23½ in.	Single column
26½ picas+2 pts. x23½ in.	News double column
6¼x23½ in.	Double column
8½x23½ in.	Triple column

Inches, Inside	Style of Galley	Inches, Inside	Style of Galley	Inches, Inside	Style of Galley
3¾x23¾	Single Column	15x23¾	Six Column	10x16	Job Size
5x23¾	Medium Column	17¼x23¾	Seven Column	12x18	Job Size
6¼x23¾	Double Column	19½x23¾	Eight Column	15x22	Job Size
8¼x23¾	Triple Column	6x10	Job Size	18x25	Job Size
10½x23¾	Four Column	8¾x13	Job Size	6¼x23½	Mailing
12¾x23¾	Five Column	9x14	Job Size	7½x23½	Mailing

AVERY ALL-BRASS MAKE-UP GALLEYS

Made in eight sizes: 8¾x13, 9x14, 10x16, 10½x23¾, 12x18, 12¾x23¾, 15x23¾, and 17¼x23¾ inches inside.

This is a regular Patent Corner All-Brass Galley with pica graduations. The make-up gauge is an eccentric steel rod in a square brass tube. It is easily entered into holes in side walls to give the desired length of page, and is as easily released. When set for make-up the gauge is held in a position about one pica longer than the required length of page, at which time the gauge lever is in the position indicated by dotted lines shown in illustration. Reversing the lever brings page to required length under strong pressure.



AVERY ALL-BRASS MAKE-UP GALLEY

GALLEY LOCKS



CHALLENGE NON-REMOVABLE GALLEY LOCK

STYLE 1—To work reliably with Challenge pressed steel galleys only. Made for following widths of galleys: 13 picas + 1 pt., 3½ in., 26½ picas + 2 pts., and 6¼ in. Special widths to order.

STYLE 2—To work with Hamilton (new style) pressed steel galleys only; same widths, as in Style 1.



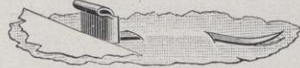
CHALLENGE REMOVABLE GALLEY LOCK

STYLE 3—To work reliably with Challenge pressed steel galleys only. Made in widths of 2 in. (for 13 pica galleys), 3⅛ in. (for 3½ in. galleys) and 6¼ in. (for 6¼ in. or wider galleys). Special widths to order.

STYLE 4—To work with Hamilton (new style) pressed steel galleys only; same widths as in Style 3.

GAUGE PINS FOR PLATEN PRINTING PRESSES

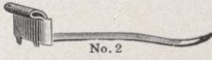
Gauge Pins are probably more used to-day than ever before. They are really a necessity in most printing offices. They are inexpensive and save considerable time in make-ready. We have a large assortment of the very best lines made.



This is the Original Steel Gauge Pin

ORIGINAL STEEL GAUGE PIN

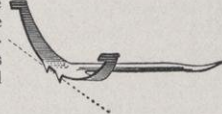
The Original Steel Gauge Pin is simplicity in itself and a general favorite with many pressmen. Made in four sizes, and sold either one size or assorted sizes.



No. 2

FLEXIBLE SIDE-GAUGE PIN

Flexible Side-Gauge Pin will bend under the grippers without breaking. It has teeth and is adjusted in the usual manner.



GOLDEN STEEL GAUGE PINS



No. 2

No. 6

For the general run of work the Golden Steel Gauge Pin is the most popular pin on the market.

BRASS GAUGE PIN



The Brass Gauge Pin is a superior gauge pin for tough work. Sizes made: Nos. 1, 2, 3, 4 and 6.

SPRING TONGUE GAUGE PIN



Short Tongue

Spring Tongue Gauge Pins, being elastic, will not break readily under pressure.

LOW GAUGE PIN, FLEUR-DE-LIS

A unique steel gauge pin with a low head, about six points high, and a long upturned lip. Made also with a straight-out lip, suitable for proofing or printing from thin plates. Sold sets of three.



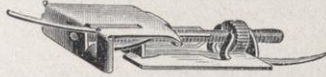
SOLID BRASS GAUGE



This is a job press guide or gauge made of solid brass. It is 12 point, and when glued to the tympan is an effective guide. Sold by the dozen.

SCREW ADJUSTING GAUGE PIN

Screw Adjusting Gauge Pins have knurled part at the base for fine adjustment. Maximum adjustment, 1/2 in. Sold in sets of three. In individual box complete with nine extra flat tongues.



PERFECT REGISTER GAUGE

The Perfect Register Gauge is especially designed for making very fine and quick adjustments. Sold in sets of three, including one dozen flat tongues.

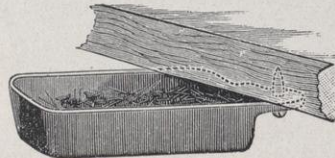


DOUBLE GRIP GAUGE

Attached to the tympan without the use of prongs, glue or paste, sheets cannot be fed under gauge-head. Sold in sets of three.



IRON GAUGE PIN DRAWER



Screws under feed board of press. Size 2 1/2 x 3 1/2 x 3/4 in.

ECCENTRIC STUD GAUGE

This gauge is provided with a fixed lip instead of an adjustable tongue. The face is round instead of flat. It is made fast to the tympan by a knurled nut which draws a circular plate against the under side of the tympan and binds whole together. Sold in sets of three.



STRAIT'S "PROPER" FEED GUIDE



The "Proper" Feed Guide is the logical successor to the pasted quad, but more dependable. It gives a very high degree of satisfaction on every class of work. They are sold by the dozen or in sets of three.

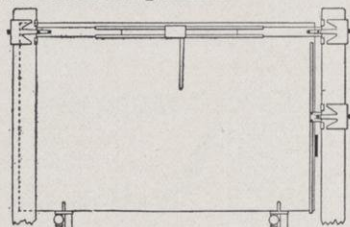
STRAIT'S "FINAL" FEED GUIDE

For close margin work the "Final" Feed Guide supplies a long-felt need. A dependable, practical guide. Its durability is exceeded by no other make. Sold in sets of three or by the dozen. Tongues can be purchased separately.

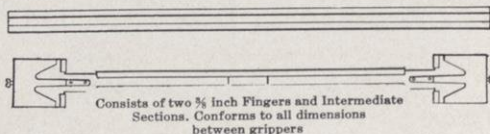


MEGILL GRIPPER CROSSBARS AND GRIPPER FINGERS

Gripper Crossbars and Gripper Fingers are designed for platen presses and can be quickly applied and adjusted. The Crossbar is the first invention to completely cross the platen and conform to all spaces between the grippers without extending outside.



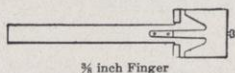
Crossbar with Down Finger applied. Also an Inside Marginal Finger which admits a side gauge with a narrow head between it and the gripper



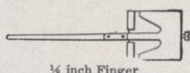
Consists of two $\frac{3}{8}$ inch Fingers and Intermediate Sections. Conforms to all dimensions between grippers



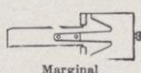
$\frac{3}{8}$ inch Gripper Finger, 1 inch opening, reduced one-half. The fingers lie between the type matter without smashing leads or quads



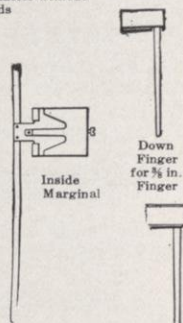
$\frac{3}{8}$ inch Finger



$\frac{3}{8}$ inch Finger



Marginal



Inside Marginal

Down Finger for $\frac{3}{8}$ in. Finger

Down Finger for Crossbar

The device consists of two $\frac{3}{8}$ inch Fingers and intermediate sections of different lengths which slide with spring tension upon the Fingers. The Fingers are made in various shapes and may be used either singly or collectively. They lie between the type matter without smashing leads or quads. The Down Fingers extend vertically over the sheet and may be adjusted to do effective work anywhere between the grippers. The Marginal turns down at the end and nips the sheet. The Inside Marginal extends laterally in both directions over the end of the sheet parallel to the gripper and admits a narrow gauge-head between. Sheets are lapped along the margin in either direction whether wide or narrow. Spaces between matter are also entered from either direction. In printing small forms the left-hand gripper may be equipped and the right-hand gripper set to one side out of the feeder's way. The part of the Gripper Fingers that attaches to the gripper is made with $\frac{3}{8}$, $\frac{7}{8}$ and 1 inch size openings to fit grippers the same in width or narrower. There are frequently occasions, after complicated type forms are put on the press, when the pressman is obliged to resort to makeshift methods in order to obtain the fine results he desires.

MEGILL AUTOMATIC REGISTER GAUGE

The Automatic Register Gauge will not only produce absolutely perfect register but will increase the output and save stock. On reference to the illustrations it will be seen that the gauge is complete in itself and, though operated by the gripper, has no connection with it and is free to be placed anywhere. The speed arm touches the gripper near the bottom and, having a lateral motion across it, always works easily and is adapted to any inclination of gripper or platen. All wearing parts are of hardened steel and the device is constructed on the interchangeable system. The finest adjustment can be obtained and no parts are employed which are liable to disarrange during the run. The forward feet prevent the sheets from feeding under the setter-head. A tongue is unnecessary as the lip prevents the sheets from slipping up over the setter-head in feeding. All parts depress to 12 points. The speed arm is needed only when running. It is applied at the notch and runs easily to position. The pressure of the gripper will not displace it. The illustration shows a 12 point setter-head.

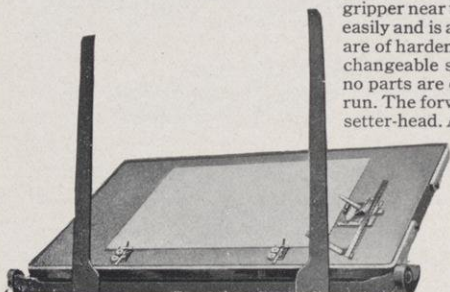


Fig. 1. Platen Open

Complete directions for the use of Gauge Pins, Gripper Crossbars and Fingers are supplied to purchasers

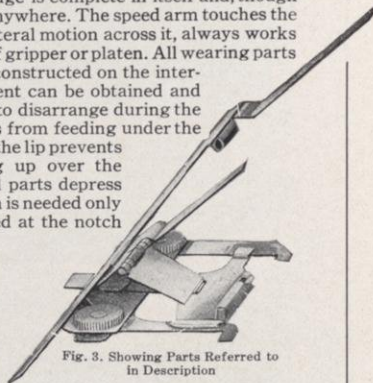


Fig. 3. Showing Parts Referred to in Description

STA-WARM ELECTRIC GLUE POTS

WITH AUTOMATIC CONTROL OF HEAT

Sta-Warm Electric Glue Pots maintain a temperature of about 145 degrees, which is scientifically proven to be the proper heating point for glue. The Sta-Warm positively will not burn the glue. Made for either alternating current or direct current, 110 or 220 volts. Any printer or bookbinder using glue to a considerable extent will find this pot a time and trouble saver.

Made in the following sizes: pint, quart, 2 quart, gallon, 2 gallon and 5 gallon. Send for descriptive circular and prices.

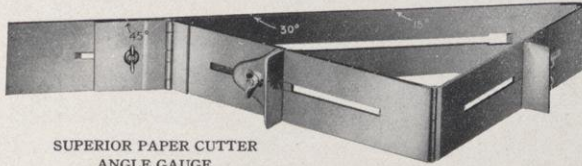


STA-WARM ELECTRIC GLUE POT

SUPERIOR PAPER CUTTER ANGLE GAUGE

CUTS A TRIANGLE, DIAMOND, HEXAGON, OCTAGON, KEYSTONE, ETC.

The Superior Paper Cutter Angle Gauge fits any paper cutter 24-inch size or larger. Is adjustable for making a cut at any desired angle. Gauge is 24 inches wide, 3 inches high, and does not interfere with the paper cutter clamp. Gauge is easily adjusted and set firmly with thumbscrews. Has inch scale on front parts and 15, 30 and 45 degree angles stamped on back. Substantially made of heavy steel, dull nickel plated finish. Send for complete description and prices.



SUPERIOR PAPER CUTTER
ANGLE GAUGE

AMTYCO PRINTING INKS

The Amtyco Inks should not be confused with the cheaper grades of ink. They are all commercially permanent colors which naturally means that only the highest quality of pigments and varnishes are used in their manufacture. Printers will find that Amtyco Inks will go much further in coverage and give better results in printing.

While we are not manufacturers of printing inks, Amtyco ink products are manufactured and packed for us with that exacting care and attention which must keep and maintain the high degree of satisfaction enjoyed by the patrons of the American Type Founders Sales Corporation.

Amtyco Inks satisfactorily meet the demands of the ordinary commercial printer and many color printing specialists, but to secure an exacting result of a certain peculiar nature, or on a special paper, your regular ink manufacturer should be consulted.

Amtyco Inks are put up in the most popular colors and in convenient forms. For convenience in ordering, the various colors carry designating numbers as follows:

No.	Color	No.	Color	No.	Color
501	Halftone Black	506	Purple	513	Orange
502	Kelly L Black	507	Milori Blue	514	Light Red
503	Combination Book and Job Black	508	Bronze Blue	515	Deep Red
504	Bond Black	509	Sapphire Blue	516	Light Green
505	Kelly Utility Black	510	Peacock Blue	517	Deep Green
		511	Mixing White	518	Light Brown
		512	Lemon Yellow	519	Deep Brown



The stocks of Amtyco Inks are controlled by a system of dating. Every can or tube is dated in code. When it has been in stock long enough, it is returned and replaced. This system enables us to guarantee freshness.

CLEER-PROOF LIQUID INK

This is truly a printer's ink in liquid form. It distributes perfectly by brayer, remains soft on the slab or plate, but dries normally on paper. Cleer-Proof Ink on your proof press produces results that compare favorably with finished work. It does not pile up but is revived and mixes in with each fresh application from the can, when applied a few drops at a time as needed.

Cleer-Proof is a dense black ink of excellent tone.

By protecting the ink film on the slab or plate from dust or dirt, a washup once in ten days or two weeks will be sufficient. The liquid ink in the can, of course, is used to the last drop.

Put up in 10-oz. cans each with spout.

TABLET KNIFE

TABLET KNIFE

The tablet knife has extra thin, strong blade made of approved design.

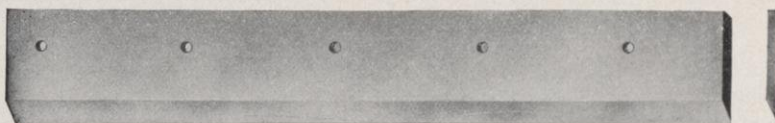
REGULAR OVERLAY KNIFE

Regular Overlay Knife, in Leather Case.

PAPER CUTTER KNIVES

WE HANDLE ONLY THE BEST MAKES

Paper Cutter Knives for any of the standard makes of paper cutters can be furnished on short notice. As the prices and sizes of the different makes vary considerably, we do not list them, but will quote promptly on any make and size you may require.



PAPER CUTTER KNIFE

Ask for quotations on paper cutter knives when you are in the market

STYLE B INK KNIVES

Style B Ink Knives have straight blades. They are made of excellent material, will stand hard usage and are guaranteed to do the work.



STYLE B INK KNIFE

Style B, 6 in. No. 604
Style B, 8 in. No. 804
Style B, 10 in. No. 1004
Style B, 12 in. No. 1204

ROUND OR SQUARE END SPATULAS

ROUND END SPATULA, STYLE A

4 inch Spatula—No. 405 Round End	No. 606 Square End
6 inch Spatula—No. 605 Round End	No. 806 Square End
8 inch Spatula—No. 805 Round End	No. 1006 Square End
10 inch Spatula—No. 1005 Round End	No. 1206 Square End
12 inch Spatula—No. 1205 Round End	

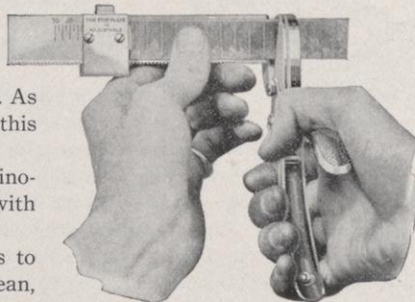
Round or Square End Spatulas have a thin pliable blade and are preferred by some pressmen, as they are especially useful for mixing small quantities of color.

ROUSE SLUG CLIPPER

In large plants, a Rouse Slug Clipper, when placed in the hand of every composing room operative soon pays for itself in the steps it saves; several are needed in even the smallest print shop. As accurate as the most expensive of lead cutters, this splendid tool is most popular.

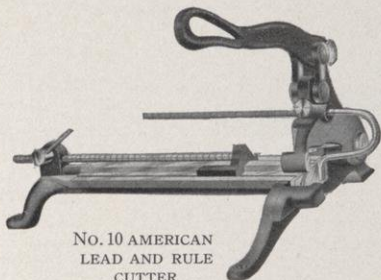
The Rouse Slug Clipper clips leads and slugs, lino-type slugs, type metal column rule and thin spaces with the accuracy of many far more expensive devices.

Equipped with the reliable Rouse Gauge it cuts to thirty picas with precision, shearing the slug to a clean, square end that requires no shaving.



AMERICAN LEAD AND RULE CUTTER No. 10

A STANDARD MACHINE FOR THE MEDIUM SIZED SHOP

No. 10 AMERICAN
LEAD AND RULE
CUTTER

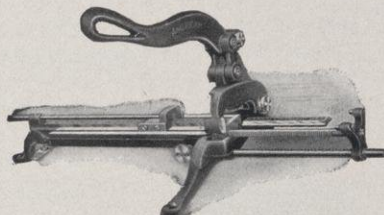
This serviceable machine, illustrated at the left, is designed especially for small shops and for cutting odd lengths. The reversible bed gauge is easily and securely clamped by a compression clamp screw. Both gauges are graduated to picas and numbered every five ems. The bed gauge has two rows of figures, one to indicate measures in normal position and the other to indicate measures when reversed. Capacity 84 picas.

A low-priced Cutter but built to stand long, hard use. Almost any composing room can afford the use of two or more of these machines.

AMERICAN LEAD AND RULE CUTTER No. 20

A MOST SATISFACTORY MACHINE

The American Lead and Rule Cutter No. 20 is identical with the No. 30 except that it does not have the point gauge. The cutters are graduated to picas and numbered every five ems up to 105 picas. The measure is indicated by the bed gauge when reversed and extended beyond the bed. Sag in material is avoided by the support on the right. The extra foot at the left hand of the bed steadies the machine, even when placed on an uneven surface. Capacity, 105 pica ems. Ask for prices.

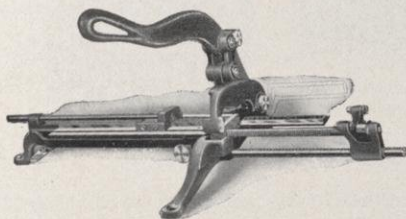


No. 20 LEAD AND RULE CUTTER

AMERICAN LEAD AND RULE CUTTER No. 30

GUARANTEED FOR ACCURACY

The American Lead and Rule Cutters are recognized as possessing unexcelled merit, and are conceded to be the best cutters made. They are guaranteed for accuracy. Cutter No. 30 has the following advantages: The gauges can be set instantly; they are self locking and cannot slip.



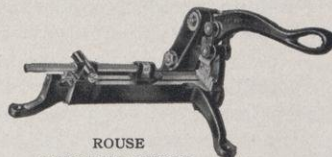
No. 30 LEAD AND RULE CUTTER

The mechanism of the cutter is such that the gauges can be set in a fraction of the time usually required. The front gauge slides on a stationary rod, graduated to picas, which acts as a truss to the gauge-rod proper, thus forming a rigid construction. It is convenient for cutting short lengths, as gauge can be set to nonpareils as readily as to any other measure. The point gauge comes with the No. 30 Cutter only, and can be set quickly from 6 points to 45 picas, by points. Capacity, 105 picas by nonpareils; also 45 picas by points.

ROUSE LINO-SLUG CUTTER

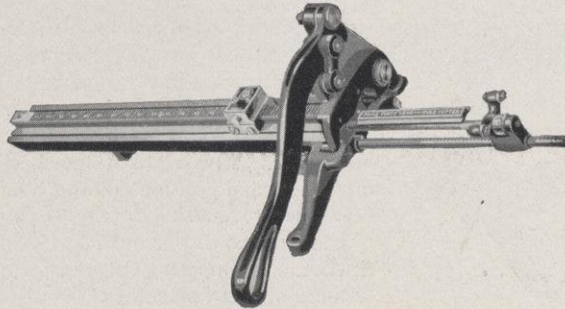
FOR NEWSPAPER AND PERIODICAL SHOPS

The Rouse Lino-Slug Cutter has been designed for cutting single slugs. The gauge can be set instantly to any measure up to 31 picas, either by nonpareils or picas. The knives are made of the best steel finely tempered.

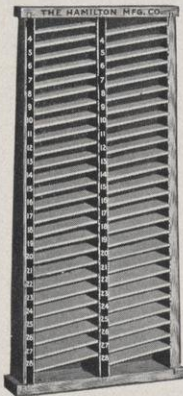
ROUSE
LINO-SLUG CUTTER

Write for prices and information regarding our complete line of Lead and Rule Cutters

ROUSE "FORTY" LEAD AND RULE CUTTER



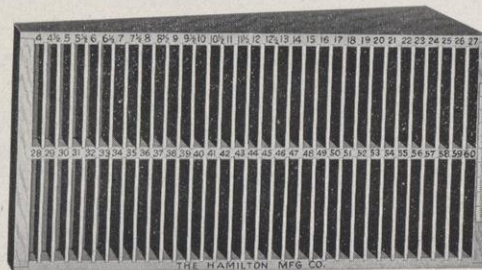
The long bed takes full 106 picas, and the bed gauge of a new "press button" design is the smoothest acting gauge you ever touched. The "Forty" cuts up to 106 picas by half picas, and 45 picas by points. All gauges lock automatically. As on all cutters made by Rouse, the bed is grooved so that the gauge flanges (which are adjustable for wear) slide in this groove and will not permit the thinnest material to slip under the gauge—an exclusive feature. Gauge teeth are self centering and compensate for wear, insuring long life. The extremely accurate and rapid point gauge cuts down to six points. It is a long, low and graceful tool finished in etched brass and brilliant black enamel.



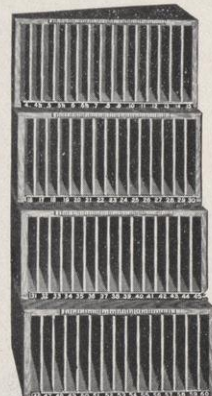
No. 3665
EUREKA LEAD RACK

LEAD OR SLUG RACKS

MADE IN WOOD ONLY



No. 3661 WISCONSIN LEAD RACK
Two of these, one on top of another, make
an effective combination



No. 3687 SET OF FOUR
BOSTON LEAD RACKS

No.
3670

No.
3675

No.
3680

No.
3685

No. 3661 Wisconsin Lead Rack has compartments for lengths 4 to 12½ picas (by ems) and 13 to 60 picas (by ems); capacity, 750 lbs. Size over all, 18x42½ in. Height, 17½ in. Approximate shipping weight, 75 lbs.

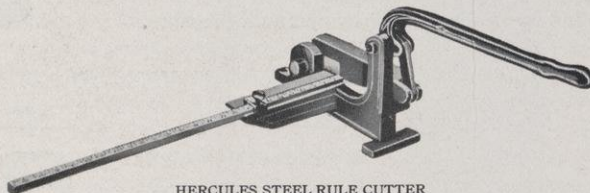
No. 3665 Eureka Lead and Slug Rack has compartments for lengths 4 to 28 picas (by ems) for leads on one side, and the same on the other side for slugs; capacity, 230 lbs. Size over all, 14½x5½ in. Height, 28½ in. Approximate shipping weight, 20 lbs.

No. 3687 set of four Boston Lead Racks, sold separately or as a set. No. 3670 holds lengths from 4 to 6½ picas (by ems) and 7 to 15 picas (by ems); capacity, 50 lbs. No. 3675, 16 to 30 picas (by ems); capacity, 130 lbs. No. 3680, 31 to 45 picas (by ems); capacity, 210 lbs. No. 3685, 46 to 60 picas (by ems); capacity, 300 lbs. Size over all of No. 3685, 8½x17½ in. Height of four racks, 34 in. Approximate shipping weight of four racks, 50 lbs.

HERCULES STEEL RULE CUTTER

THE OLD RELIABLE MACHINE

The Hercules Steel Rule Cutter is an extra heavy, powerful machine, designed for use on steel cutting, creasing and scoring rule. It will cut six point tempered steel rule and heavy brass rule and slugs with great ease and leave no burr on edges. It is especially adapted for the use of paper box makers, label printers, paper novelty manufacturers and all who cut tempered steel rule or heavy brass rule and slugs. The knives are made of the best grade of steel, hardened by a special process, and seldom require sharpening. They are set into a slot which exactly fits them, so that no adjustment is necessary.



HERCULES STEEL RULE CUTTER

They can be taken off and replaced quickly. The front gauge will allow a cut of $6\frac{1}{2}$ inches and the back gauge, which is 25 inches in length, is graduated to picas and half picas. Write for prices of tools for cutting and bending steel rule.

ROUSE HAND MITERING MACHINE

A POPULAR MITERING DEVICE

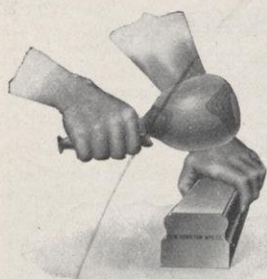
The Rouse Hand Mitering Machine is equipped with a positive point gauge that sets instantly and locks automatically to points. Intermediate graduations permit adjustments to quarter-points. This enables the operator to miter rules to picas (12 points), nonpareils, (6 points), points, or quarter points, inside as well as outside measure. Capacity 83 picas; with extension gauge 144 picas. Flaring notches, milled on the rear of the gauge bar exactly six points apart, are engaged by four teeth of corresponding taper on the end of a locking bolt which is held firmly in position by a stiff spring. These teeth are self-centering, and compensate for wear. The gauge bar is graduated to picas and numbered every five ems. The rule holder is located and locked at the exact angle required by means of a locking bolt which engages the proper notch milled in the periphery of the table, which is indexed for all useful angles. The knife holder travels in two slots milled in the body of the machine.



ROUSE
MITERING
MACHINE

The knife is of the best tool steel, hardened and set in the knife holder at the proper angle to obtain the best results.

Descriptive circulars and prices of the Rouse Mitring Machines will be sent upon request



THE ROBINSON IMPROVED MALLET

ROBINSON IMPROVED MALLET

The hammer head of this mallet is ovoid, or egg-shaped, and made of well-seasoned hickory. A blow struck upon the planer is always a square blow, which is a most important consideration when pounding a proof.

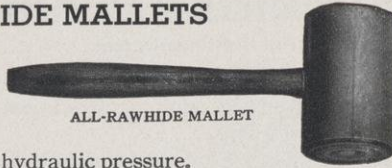
There are no sharp corners to wear away, and no danger of its slipping off the planer and marring the type faces.

DIMENSIONS OF ROBINSON IMPROVED MALLET

No. 5822 Hickory, ball $3\frac{1}{2} \times 3\frac{1}{4}$ inches, full length 8 inches.

ALL-RAWHIDE MALLET

All-Rawhide Mallets have heads that are made throughout of rolled rawhide, specially treated, and formed into shape by hydraulic pressure.

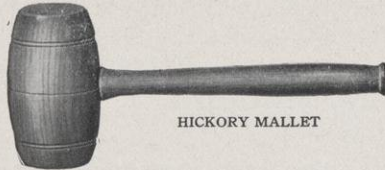


ALL-RAWHIDE MALLET

All-Rawhide Mallet No. 4
2x3½ inches, weight 10 oz.
All-Rawhide Mallet No. 10
2x3½ in., weight 20 oz. (loaded)
All-Rawhide Mallet No. 5
2¾x4¼ inches, weight 22 oz.

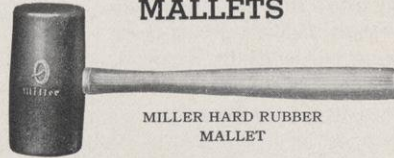
WOODEN MALLET

All Wooden Mallets are made of thoroughly seasoned hickory and selected stock. The handles are screwed in and mallets are oil finished. Recommended for every use where a mallet is better adapted than a hammer.



HICKORY MALLET

No. 5805 Hickory, small, size 2½x4½ inches
No. 5807 Hickory, medium, size 3x5 inches
No. 5809 Hickory, large, size 3½x6 inches

MILLER HARD RUBBER MALLET

MILLER HARD RUBBER MALLET

The Miller Composition Mallets are of laminated construction and are molded into one piece.

The handles are of second-growth hickory, of special design, and will not work loose and come off.

No. 8—2 x3½ in., weight 8 oz., handle 11 in.
No. 16—2½x4½ in., weight 16 oz., handle 12 in.
No. 24—2⅞x5½ in., weight 24 oz., handle 14 in.

WING ALUMINUM HAND MAILER

THE LIGHTWEIGHT MACHINE

The Wing Aluminum Hand Mailer is the latest development in this class of machines. It is light in weight and easily handled, and will be found a great improvement over the old machines.

It guides and pastes the slip perfectly and removes surplus paste. Papers or wrappers will not stick together. The knives are reversible and the rollers that feed the paper are pressed together by a spring and accommodate different thicknesses of proof paper. Average weight of machine is two pounds.



WING ALUMINUM HAND MAILER

DIMENSIONS OF WING ALUMINUM HAND MAILER

No. 1, size 1⅞ in.	No. 3, size 2⅝ in.	No. 5, size 3½ in.
No. 2, size 2¼ in.	No. 4, size 3 in.	No. 6, size 3⅞ in.

MUSTANG MAILER

MADE IN THREE CONVENIENT SIZES

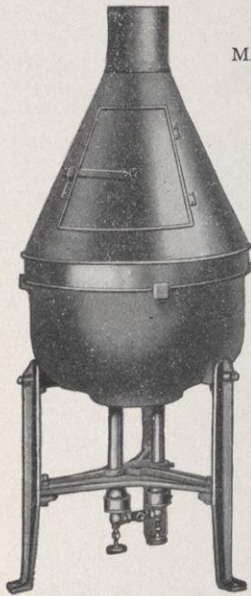
The Mustang Mailer prints directly on the paper, wrapper or envelope. The platen and frame move automatically after each impression. Prints from 1500 to 2500 per hour, according to the expertness of the operator. Made in three sizes: "Regular" takes a 10 em galley only and spaces 27 points; Style A, designed for use where three or four lines are required, takes galley 10 ems wide and spaces 40 points; Style B, largest size, takes galley 13 ems wide inside and spaces 48 points.

Mail list made up on galleys. The Mustang Mailer weighs about fifteen pounds and the galleys weigh about one pound each.

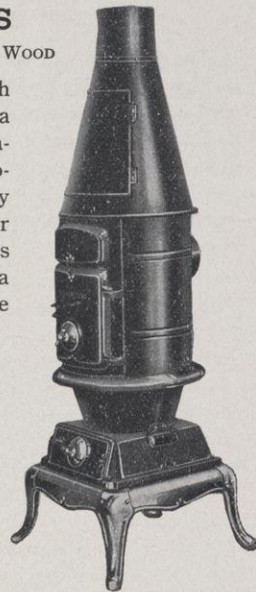
SUPERIOR METAL FURNACES

MADE IN FOUR SIZES FOR GAS, AND ONE SIZE FOR COAL OR WOOD

Superior Metal Furnaces, for heating with gas, consist of a furnace, as illustrated, and a hood. The furnaces may be purchased separately, but this is not advised, as the hood provides the means of carrying off the unhealthy fumes through standard stovepipe to flues or through walls or windows. The hood also has the advantage of enabling the user to put in a greater amount of old metal than can safely be put in the open melting pot.



SUPERIOR METAL FURNACE FOR GAS



SUPERIOR METAL FURNACE FOR COAL OR WOOD

The melting pots are so shaped that the flames attack the sides as well as the bottoms, as illustrated above, thus bringing the metal to the melting point quicker than can be done with the ordinary type of metal pots. The burners are adjustable, of an improved Bunsen type, with long tube above combustion chamber, which causes a strong draft without waste of gas, and are easily regulated for developing the desired blue flame of intense heat.

No. 120-H Superior Metal Furnace, for gas, with hood, iron pot and 1 burner. Capacity, 300 lbs. Approximate shipping weight, 177 lbs.

No. 122-H Superior Metal Furnace, for gas, with hood, iron pot and 2 burners. Capacity, 700 lbs. Approximate shipping weight, 250 lbs.

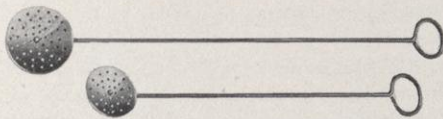
No. 123-H Superior Metal Furnace, for gas, with hood, steel pot and 2 burners. Capacity, 700 lbs. Approximate shipping weight, 295 lbs.

No. 124-H Superior Metal Furnace, for gas, with hood, steel pot and 2 burners. Capacity, 1000 lbs. Approximate shipping weight, 365 lbs.

No. 125-H Superior Metal Furnace, for gas, with hood, steel pot and 3 burners. Capacity, 1500 lbs. Approximate shipping weight, 415 lbs.

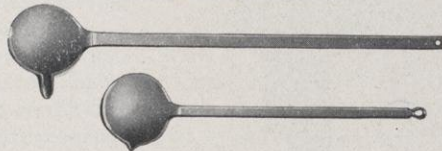
No. 126-H Superior Metal Furnace, for coal or wood, with hood, iron pot, fire box and ash pan. Capacity, 300 lbs. Approximate shipping weight, 200 lbs.

SUPERIOR SKIMMERS

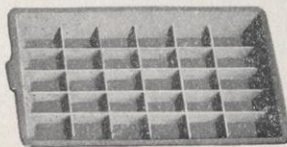


Six inch—42 in. long, handle 36¾ inches.
Five inch—34 in. long, handle 29¾ inches.

SUPERIOR LADLES



Six inch—35 in. long, with spout, handle 29¾ inches, capacity 18 lbs.
Six inch—27 in. long, without spout, handle 21¼ inches, capacity 18 lbs.



SUPERIOR INGOT MOLDS

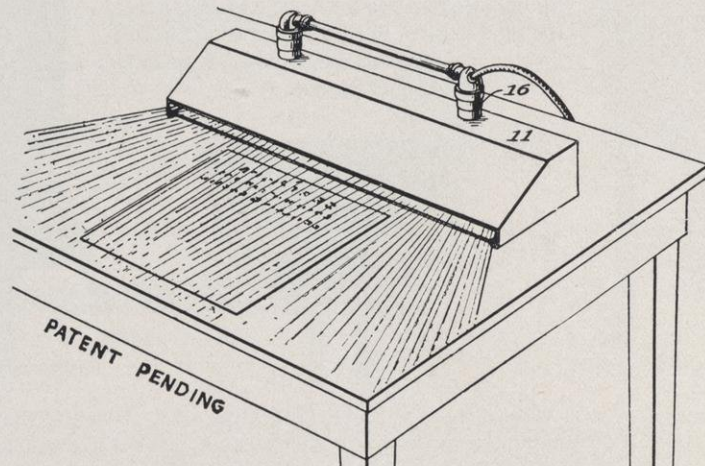
30-Ingot Pan: Capacity, 50 lbs., 1⅓ lb. pigs, as illustrated.
20-Ingot Pan: Capacity, 50 lbs., 2½ lb. pigs.
9-Ingot Pan: Capacity, 27 lbs., 3 lb. pigs.

MAKE-READY MARK-OUT LIGHT

The Make-Ready Mark-Out Light can be used in the darkest corner of the room and it brings out every impression on the sheet in true proportions. This is due to its horizontal and comparatively narrow beam of intensified light.

This means a great saving of time, the total elimination of eye-strain and more perfect impression—three of the most important factors in the process of make-ready.

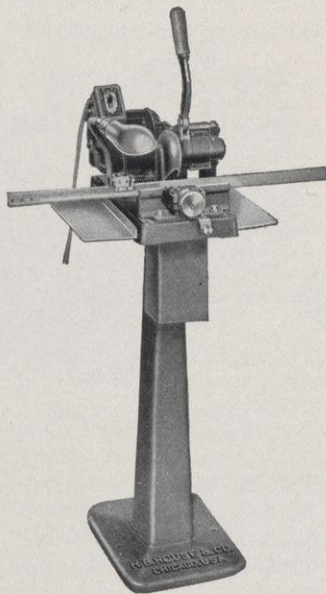
The light affords a constant and uniform lighting condition twenty-four hours a day and renders you independent of varying daylight which might mean a dark, cloudy day or sun



streaming through the windows, both of which are diffused so as to be inefficient, and place the pressman under a tremendous handicap.

The Mark-Out Light should be placed on a location away from daylight, where it can be used at all times, rendering service either day or night.

The Make-Ready Mark-Out Fixture cuts down the non-productive make-ready time, and is one of the foremost developments of printing accessories.



ROUSE VERTICAL ROTARY MITERER

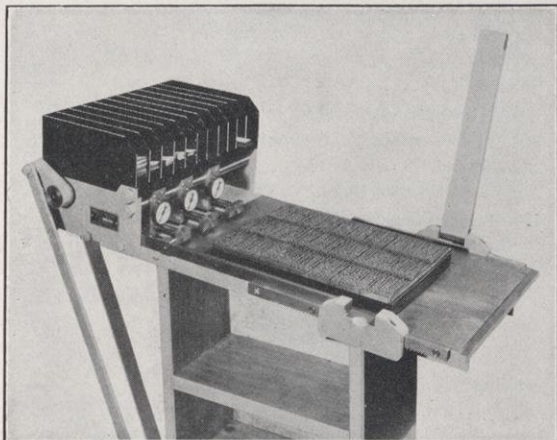
In scores of critical plants this motor-driven, high-speed mitering machine is regarded as indispensable; it contributes as much to the conservation of time and labor as to perfection in workmanship.

Operated by a $\frac{1}{4}$ H. P. motor, it cuts perfect 45 degree miters direct from the strip without previous cutting to length, accommodating rules of metal or brass of any thickness up to 24 points and making a complete miter (one right and one left) at each operation.

Corners mitered on this ingenious machine will stand the closest scrutiny; pieces too small for hand miterers can be cut perfectly and combination borders are cut almost as fast as single rule.

Made in either bench or pedestal type. Equipped with $\frac{1}{4}$ -horsepower, 115 or 230 volt D. C. motor, or 110 or 220 volt, single phase, 60 cycle A. C. motor.

MARCY MAKE-UP MACHINE



No make-up man can tell by his fingers how type or cuts will act when put under lockup pressure. No make-up man can run his eye from a mark at one side of a galley and tell whether the far edge is a point or more out. As a result, lining up pages or forms on the stone or press takes much time, and requires a high degree of skill, which are not necessary if the pages are all alike when under pressure.

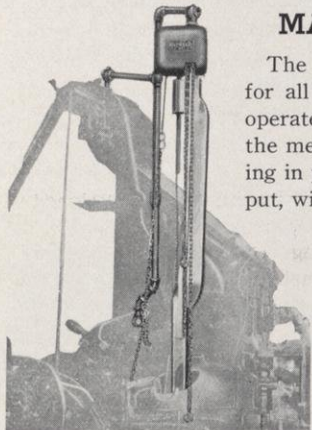
The Marcy Make-up Machine delivers pages in which every column will lock up to the same length. And it does this with a saving of time and effort by the operator.

Assume the operator is making up three-column book pages of slug matter directly on the bed of the machine, that the dial gauges have been set to zero against the standard, that filled galleys are convenient to his right hand, and that spacing material of varying thickness is in the tray at the head of the machine. He then proceeds as follows:

1. Places head slug, head and folio line and lead against the backstop.
2. Transfers type from galley to machine to fill first column, with right hand, usually bringing over one or two surplus slugs. (A pointer on the side bar of the machine makes it easy to put in the right number of slugs.)
3. Steps on the foot lever, and reads the first dial gauge. If short more than the thickness of a slug, removes his foot and inserts another from his right hand; if not, returns surplus slugs to galley with right hand, and reaches for spacing material of indicated thickness with his left.
4. Inserts gutter stick or lead and repeats for second column.
5. Ditto for third column.
6. One more depression of the foot lever, and a glance to see all gauges read zero.
7. Lifts hinged backstop, and slides page onto galley at the rear.

Capacity of Standard Machine: any width up to 57 picas; any length up to 75 picas; narrowest column width for independent measurement, 8 picas.

MARGACH AUTOMATIC METAL FEEDER

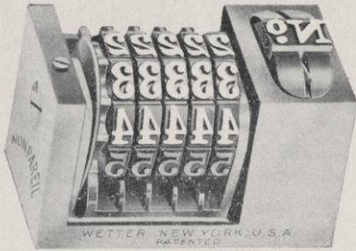


The Margach Automatic Metal Feeder is the universal metal feeder for all line casting, type casting or material making machines. It operates perfectly whether gas or electric metal pots are used. It keeps the metal in the pot at a uniform level and even temperature, resulting in production of better slugs, cleaner proofs and increased output, with less gas or electric heat consumption.

The Margach is never in the way of the operator or machinist. A practically perfect metal feeding device guaranteed for ten years, needing no adjustments whether casting 5-point or 60-point. It is easy to attach, requiring not more than 20 minutes to follow the simple instructions furnished with each feeder.

When ordering the Margach Automatic Metal Feeder, state for what machine it is intended.

WETTER NUMBERING MACHINES



N^o 12356
FACSIMILE IMPRESSION

THE LOCK-WHEEL MODEL

This recently patented machine has a "locking" principle incorporated right into the machine—not a separate unit. Wheels cannot turn half way or all the way over unless intended. The greatest improvement ever made in typographic numbering machines.

Plunger is as low as can be made. All steel construction. Removable "No" slide. Clear, finely engraved figures.

And guaranteed to number accurately on any flat bed printing press at any speed at which the press can be run.

Made in 5, 6, 7 and 8-wheel sizes.

THE NONPAREIL MODEL

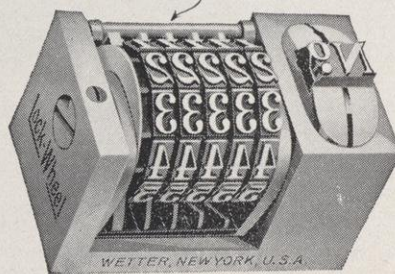
Solid steel construction. Low plunger. Removable "No" slide.

Depressible ciphers which will not get low. Parts subject to wear are hardened. Clear cut, deeply engraved figures.

The features which have made all Wetter machines the standard in the finest printing plants are all embodied in this low cost and very popular model.

Made in 5, 6, 7 and 8-wheel sizes.

THE PATENTED BAR LOCKS THE WHEELS AND PREVENTS THEM FROM TURNING HALF WAY OVER, ASSURES ALIGNMENT OF FIGURES AND ACCURATE NUMBERING

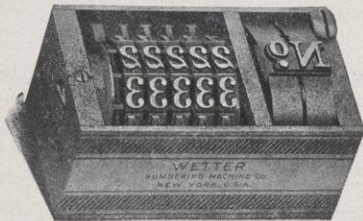


N^o 12356
FACSIMILE IMPRESSION

THE BOSTON MODEL

This model is made of steel throughout. Parts liable to wear are hardened. Wheels are equipped with ciphers of improved construction which are guaranteed not to get low. Has "roughed" side plates which prevent machine from "riding up" or falling out of form and eliminates the need for locking machines up too tightly. Side plates can be removed if necessary to get machine into smaller space. Equipped with hold-down screws so that one number can be repeated any desired number of times. Removable "No" slide. A popular model for general, all-around numbering.

Made in 5 and 6-wheel sizes only.



N^o 12356
FACSIMILE IMPRESSION

THE MIDGET MODEL

Made entirely of steel and is the smallest type-high numbering machine made. Designed to meet the demand for a small machine with figures large enough for ordinary commercial uses. It can be depended upon for durability and accuracy. Removable "No" slide.

Model 115 (5-wheel) **32356** $1\frac{1}{16}$ inch wide x $1\frac{3}{8}$ inch long
 Model 223 (6-wheel) $1\frac{1}{16}$ inch wide x $1\frac{1}{2}$ inch long
 Model 116 (6-wheel) **123687** $1\frac{1}{16}$ inch wide x $1\frac{3}{8}$ inch long
 Model 224 (7-wheel) $1\frac{1}{16}$ inch wide x $1\frac{1}{2}$ inch long

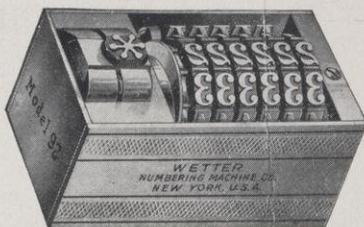


THE REVERSE END MODEL

In this machine the plunger is on the *reverse* end and the character on top of the plunger can be removed and another character inserted in its place, or it can be made with a solid blank plunger for printing numbers near the edge of the paper (as in checks) so the plunger mark will print outside of the paper. Made of steel throughout and equipped with the specially designed drop cipher which will always print plainly.

All Wetter Numbering Machines can be furnished to number backwards at no extra charge. Skip wheels can be furnished for all machines.

Wheels and other small parts are interchangeable in the Nonpareil, Lock-wheel, Boston, and Reverse End Model machines.

**12345**

MADE IN 5 AND 6-WHEEL SIZES ONLY

ROBERTS NUMBERING MACHINES

MADE IN FOUR SIZES: FIVE, SIX, SEVEN AND EIGHT WHEELS

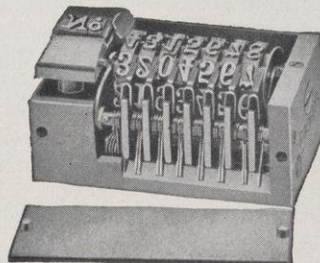
The Roberts Model 27 Numbering Machine is generally used by printers for ordinary job work. This machine is constructed to be used with any press made to print from type; also furnished to number backwards so as to avoid turning the sheets. For numbering checks, orders, strip tickets, etc., skipping wheels are necessary. These skip automatically any number from 1 to 10 and are interchangeable with regular consecutive unit wheels. The No. 27 Numbering Machine is operated by a steel spring of great power and unusual elasticity, insuring correct numbering. This numbering machine may be taken apart in a minute for cleaning and is as quickly reassembled.

**Nº 12345**ROBERTS NUMBERING MACHINE
MODEL 27Model 27—5 wheels
Model 28—6 wheelsModel 28—7 wheels
Model 28—8 wheels**ROBERTS POSITIVE LOCK NUMBERING MACHINE**

These Positive Lock Numbering Machines are known as "Series 80" in the Roberts Line. Model 85, five wheels; Model 86, six wheels; Model 87, seven wheels; and Model 88, eight wheels.

No matter how great the press speed or the vibration, these wheels cannot skip or carry over because they are securely locked until the precise second of the release. The direct-drive low plunger, without intermediate parts, assures positive action, consistent service and long life.

The side plates are removable—they snap off and on. A steel staple plunger-release permits a quick removal of the plunger for instant cleaning.

**Nº 12345**

SERIES "80" POSITIVE LOCK

FORCE NUMBERING MACHINES

FORCE "GENERAL PURPOSE" NUMBERING MACHINE

Equipped with steel engraved wheels, removable plunger slide, solid double plunger stops, solid bottom case. Complete interchangeability of parts and by substitution and finishing can be made into a high quality machine. For instance, wheels as they are made are of the same quality as the higher grade machines except for hardening. Wheels can be furnished with either Roman or Gothic figures.

Available in two models. The five-wheel model, 0 to 99999, case measurement 1.5277 inches or 110 points long, and .875 inches or 63 points wide. The six-wheel model, 0 to 999999, case measurement 1.666 inches or 120 points long, and .875 inches or 63 points wide.

Also furnished for greater or lesser capacities and to number forward or backward. Can be provided with skipping wheels, special slides or prefixes. Fitted with affixes at slight additional cost.



"SUPER-FORCE" NUMBERING MACHINE

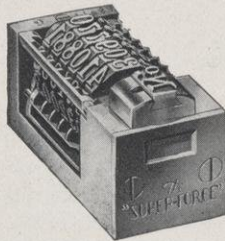
Here is a typographic machine that can actually be used in a fast operating press without the slightest difficulty. The wheels click over just as surely, the impression is just as clean, as on slow-moving jobs.

Many years of firing-line experience has gone into this machine, with the result that every difficulty of operation, every objection to handling numbering jobs, has been overcome.

The "Super-Force" Typograph is furnished for either forward or backward numbering, with five wheels, six wheels, or seven wheels. All machines are 63 points wide and with lengths as follows: five wheels, 110 points; six wheels, 120 points; seven wheels, 130 points.

Wheels are with Roman or Gothic figures, as desired.

If required, letter wheels or skip wheels may be substituted for consecutive number wheels. The "No." slide is removable and serial letter or other specially engraved slide may be used. Can be furnished with overthrow lock at slight additional cost.



AMERICAN NUMBERING MACHINES

STANDARD "ALL STEEL" MODELS 63 AND 64

Designed to be locked up in a form same as type—either with or without type matter. Printing face of figures is exactly type high and as the impact of the press takes place the plunger is depressed and the succeeding number comes into printing position automatically.

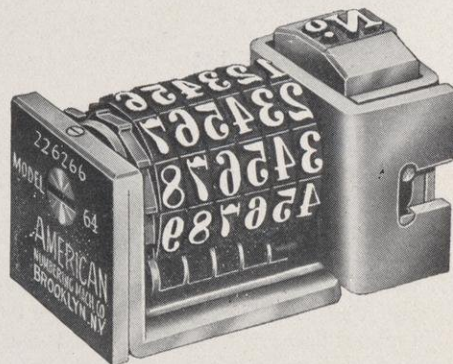
Steel construction throughout. Wearing parts of hardened tool steel. Tool steel drop ciphers with bearing surface full width of wheel. All parts interchangeable.

Exceptionally low plunger. Only $\frac{3}{32}$ inch above type high. Construction of solid piece of steel.

The whole plunger assembly can be instantly removed without displacing a screw or pin, making it easy to clean.

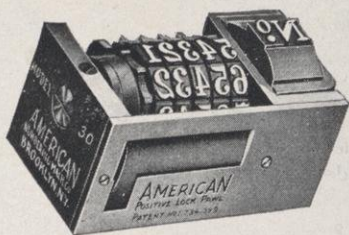
Quantity production and exceptional manufacturing advantages make it possible to produce these high grade machines to sell at popular prices.

Model 63 made with 5 wheels only. Model 64 with 6, 7, or 8 wheels.



N^o 54321

IMPRESSION OF FIGURES



Nº 54321

FACSIMILE IMPRESSION

MODELS 30 AND 31

High Speed Lock Pawl Equipped Models 30 and 31 are of the same general construction throughout as Models 63 and 64, but specially constructed for operation on high speed presses. Contain patented American Lock Pawl. The Lock Pawl definitely prevents the number wheels from throwing past alignment at speeds far beyond the maximum on any flat-bed press.

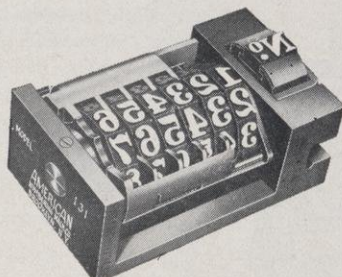
Model 30 made with 5 wheels only. Model 31 made with 6, 7, or 8 wheels.

BIG BOY MODELS 130 AND 131

High Speed Lock Pawl Equipped. Printing bold figures. The largest that can be contained in type-high machines. An increasing demand for large numbers on printed forms was the reason for making a stock machine of these models.

Constructed along the same general lines as standard machines, all steel. Tool steel drop ciphers. Slide Plungers. Built in Lock Pawl. Quick detachable plunger for cleaning, etc.

Model 130 made with 5 wheels only. Model 131 with 6 or 7 wheels.



Nº 123456

FACSIMILE IMPRESSION

MODELS 30-L AND 31-L

These are Left Hand Plunger Machines. Plunger is usually engraved with a star and is located in the position following the figures. Used for numbering bank checks on cylinder presses when the usual "No." preceding the figures is not permitted. The star prints to the right and outside the form.

54321 ★

FACSIMILE IMPRESSION
OF MODEL 30-L

Same general construction as other models. Tool steel drop ciphers.

Quick detachable plunger for easy cleaning, etc.

The Model 30-L made with five wheels only. The Model 31-L made with six, seven or eight wheels.

SKIP WHEELS

Skip Wheels for Gang Work are interchangeable with the regular consecutive unit wheel in all models for running checks and other forms two or more to a page, or for running jobs several "on".

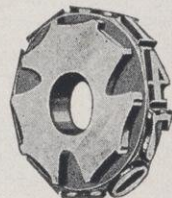
They are made to skip 2, 3, 4, 5, 6, 7, 8, 9, and 10. When ordering advise Model that the wheels are to be used in. The same Skip Wheels may be used and are interchangeable in Models 63, 64 and High Speed Models 30 and 31.

Letter Wheels, preceding figure wheels, may be purchased at any time and inserted in any models.

Standard Plungers are all engraved "No.", but may be furnished blank or engraved with letters, symbols, or figures.

All machines may be ordered to number backward instead of forward at no additional charge.

We can supply numbering machines for a variety of purposes and to meet special requirements. Write for information concerning these.



BATES HAND NUMBERING MACHINE

The Bates Hand Numbering Machine, standard movement, will number consecutively, will duplicate each number before passing to the next, or will repeat the same number as often as may be desired. These three different movements are attained by simply moving the pointer on the dial. The machine automatically inks itself after each impression.

All the printing is done from solid steel type. As there are no ratchet wheels between the figure dies, there is no lost or irregular spacing between figures.

The Bates Eight Movement Machine numbers consecutive, duplicate, triplicate, quadruplicate, quintuplicate, sextuplicate, septuplicate and octuplicate and repeat.

The Bates Multiple Movement Machine, furnished with Bakelite frame, eight ounces lighter in weight than other Bates machines, operates consecutive, duplicate, triplicate and repeat. Can be furnished to number four, five or six times instead of duplicate or triplicate, either or both; each at \$1.00 extra.



BATES HAND
NUMBERING MACHINE

BATES HAND NUMBERING MACHINES ARE MADE IN THE FOLLOWING SIZES:

5 wheels, numbering to 99,999 7 wheels, numbering to 9,999,999
6 wheels, numbering to 999,999 8 wheels, numbering to 99,999,999

Also in special styles of type and special movements.

STYLE A

12345

STYLE E

12345

STYLE G

12345

ROBERTS HAND NUMBERING MACHINE

A MECHANICALLY PERFECT MACHINE

The "regular" Model 49 is a six wheel machine. A small figure can be furnished in six wheels, or a large figure in five wheels. The Style "H" figure in the Model 49 Hand Machine exactly matches the figures in the Model 27 and 28 typographic machines.

ROBERTS HAND NUMBERING MACHINES ARE MADE IN THE FOLLOWING SIZES:

Model 49, with 6 wheels, small figures
Model 49, with 5 wheels, large figures
Model 49, with 6 wheels, large figures

Three Actions: Consecutive, duplicate and repeat; consecutive, triplicate and repeat; or consecutive, quadruplicate and repeat.

Four Actions: Consecutive, duplicate, triplicate and repeat; or consecutive, duplicate, quadruplicate and repeat.

Five Actions: Consecutive, duplicate, triplicate, quadruplicate and repeat.



PARAGON HAND NUMBERING MACHINE

THE MACHINE WITH A VARIETY OF FIGURES

Paragon Hand Numbering Machines are well and favorably known and need but brief description. They are made with five styles of Gothic figures and seven styles of Roman figures. A size and style of figure can be obtained to meet almost any requirement: five wheels numbering to 99,999; six wheels numbering to 999,999. Four wheel and seven wheel machines made to order.

Send for circulars showing the styles of figures that can be obtained for the several numbering machines described here.

123456 123456

Style A

Style H

Style G

12345

Style G

ROBERTS HAND NUMBERING MACHINE
MODEL 49



AMERICAN HAND NUMBERING MACHINES

American Visible Model 41. The only "visible" Hand Numbering Machine. Operator always knows the next number the machine will print. Made of steel throughout. Deeply formed figures print sharp, clear impressions. Standard machine contains 6 wheels. Three movements: Consecutive, Duplicate, and Repeat.

654321

Fac-Simile Impression

Standard style. Other styles Roman and Gothic, $\frac{1}{16}$ inch high to $\frac{3}{16}$ inch high.

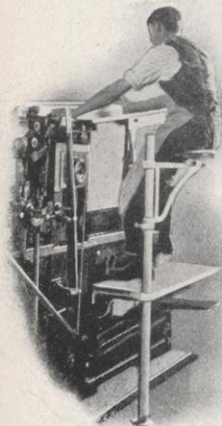
THE MAGNETIC PLATE MOUNTER

Here is a unique, handy tool for many purposes. A magnetized plunger draws the small nail within the hardened point of the tool and holds it there. The nail is driven straight and true into the block or plate by a slight hammer blow on the top or anvil of the tool.

By the use of the Magnetic Plate Mounter it is possible to securely position a nail in a space or location otherwise inaccessible without the possibility or risk of damage to a valuable plate or injury to the fingers.

A valuable addition to any tool kit and a means of facilitating the work of a delicate operation.

The Magnetic Plate Mounter is furnished full nickel-plated.



AMERICAN CYLINDER PRESS SEAT

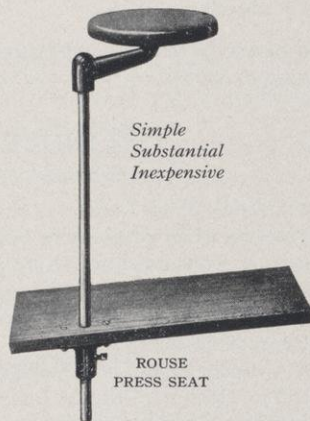
AMERICAN CYLINDER PRESS SEAT

The American Cylinder Press Seat fits any cylinder press, entails no trouble to attach, and when in place is strong and secure. It fastens to the floor and to the feeder's platform. Can be adjusted in any direction, swings out of the way or may be taken off entirely. For pony cylinder presses without feeder's stand to attach it to, the American Press Seat is shipped with a heavy standard of correct height, which can be securely fastened to the floor at the proper distance from the press. This arrangement will be found very convenient. Write for prices.

ROUSE PRESS SEAT

FOR CYLINDER PRESSES

The Rouse Press Seat is simple, substantial and inexpensive. It is attached securely to the press by three bolts affixed to the feeder's platform. The seat swings freely on the end of a steel support which may be quickly adjusted. Write for circular and prices.



*Simple
Substantial
Inexpensive*

ROUSE
PRESS SEAT

SPHINX PASTE

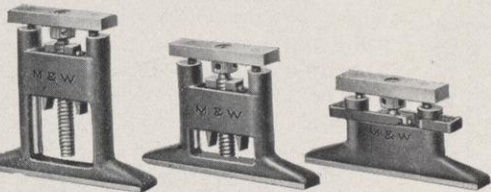
Used by printers and publishers throughout the country for almost 50 years. A dark gray jelly-like make-ready paste that is a positive necessity in every pressroom. Free from all disagreeable odors; will not injure the hands and is not inflammable. Keeps soft and free from mould; does not swell the packing or wrinkle paper. No risks of lumps getting into the packing or overlays and battering the type. Can be used in the mailing room and for general pasting work. Put up in half pint, pint, quart, half gallon and gallon cans.

JOB PRESS LOCKS

SAVE TIME AND MATERIAL

The M. & W. Job Locks are made in five sizes: 1½, 2, 3, 4 and 5 inches. Any space inside a chase from 9 ems to 50 ems pica can be filled and locked-up in much less time than with the customary furniture and quoins. The pressure is applied with a screw, so designed that it can not work loose. Vibration does not affect them. The advantages offered by the use of M. & W. Job Locks are the very few pieces required to lock up a form and the simple method of doing the work. The accompanying illustration below shows one way the locks may be used in connection with iron or metal furniture. With the use of these M. & W. Job Locks this form can be properly locked up for press in less than one minute. Every printing office can use these locks.

The M. & W. Job Locks will also be found a great convenience as well as a time-saver when used in connection with iron or wood furniture in locking up open forms, such as blank-book headings, covers, etc. The accuracy of the M. & W. Job Locks is so absolute that they will be found of great assistance in registering forms on the press.



THE M. & W. JOB PRESS LOCKS

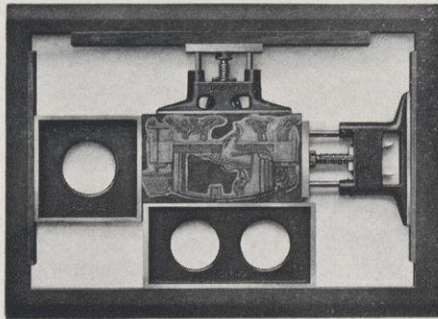


ILLUSTRATION SHOWING HOW THE M. & W. JOB LOCKS ARE USED

Send for pamphlet describing and illustrating the complete Morgans & Wilcox Locking-Up System which includes the M. & W. Lock Furniture, which gives a good lock-up in a 4-pica space. Made in widths from 4 to 10 picas; lengths 25 to 130 picas. The advantages of this system are outstanding. No argument or prejudice can get around the fact. It makes considerable difference in a month or a year whether a workman picks up 300 pieces of locking-up material or 100 pieces, when preparing large forms for press. M. & W. Form-Locking System is extensive and complete, and provides time-saving materials

for locking-up forms for both job and cylinder presses. The pamphlet illustrates and describes just how the various locking-up units may be used to greatest advantage.

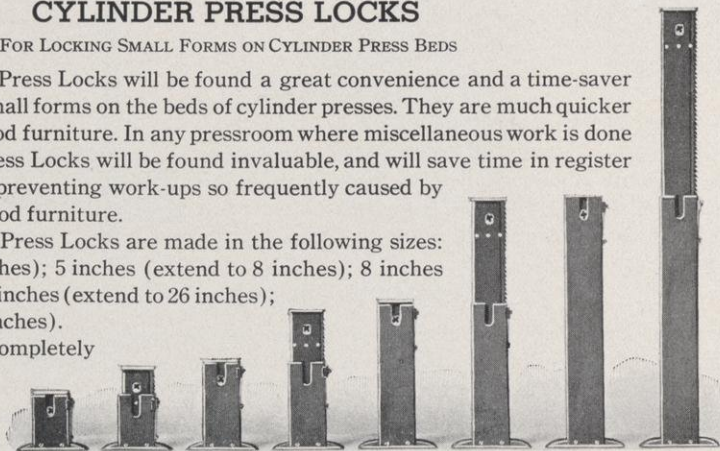
CYLINDER PRESS LOCKS

FOR LOCKING SMALL FORMS ON CYLINDER PRESS BEDS

The M. & W. Cylinder Press Locks will be found a great convenience and a time-saver when used for locking small forms on the beds of cylinder presses. They are much quicker and safer to use than wood furniture. In any pressroom where miscellaneous work is done the M. & W. Cylinder Press Locks will be found invaluable, and will save time in register and make-ready and in preventing work-ups so frequently caused by the use of inaccurate wood furniture.

The M. & W. Cylinder Press Locks are made in the following sizes: 3 inches (extend to 5 inches); 5 inches (extend to 8 inches); 8 inches (extend to 14 inches); 14 inches (extend to 26 inches); 22 inches (extend to 36 inches).

Write for pamphlet completely describing the M. & W. line of cylinder and job press locks. Ask for quotations.



M. & W. CYLINDER PRESS LOCKS

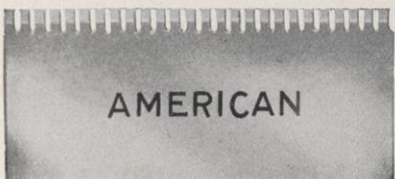
CUTTING AND PERFORATING RULE

Steel Cutting Rule can be supplied in either hard or soft material, black or polished. Made in 2-pt., 3-pt., 4-pt., and 6-pt. bodies with cutting edge in the center or on the side of the rule. Steel Creasing Rule can also be supplied in the same sizes and either hard or soft. Strips are in 24-inch lengths.

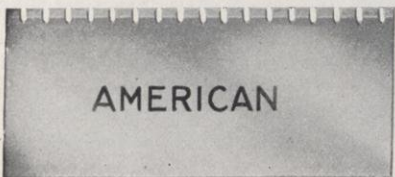
PERFORATING RULES



Brass Nos. 3172 and 3173 Steel Nos. 6172 and 6173

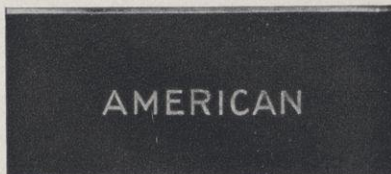


Steel Nos. 6122 and 6123

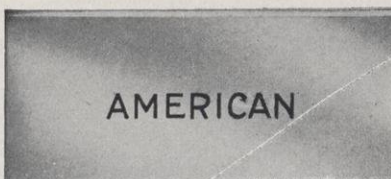


Steel Nos. 6082 and 6083

STEEL CUTTING RULES



Soft or Hard Black Steel Cutting Rule



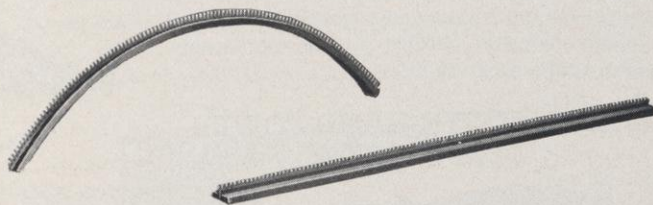
Hard and Polished Steel Cutting Rule

- | | |
|--------------------------|--------------------------|
| No. 3172, brass, 2 point | No. 6122, steel, 2 point |
| No. 3173, brass, 3 point | No. 6123, steel, 3 point |
| No. 6172, steel, 2 point | No. 6082, steel, 2 point |
| No. 6173, steel, 3 point | No. 6083, steel, 3 point |
- Steel Perforating Rule also put up in fonts of four feet cut to pica ems of assorted lengths.

PATENT BASE PERFORATING RULE

The Patent Base Perforating Rule is made of two-point steel rule mounted on a brass base which is beveled for use on the various patent beds and bases.

This can be supplied in either 8, 12 or 17 teeth to the inch and any height desired by the customer. Unless otherwise specified the Patent Base Perforating Rule is made to an overall

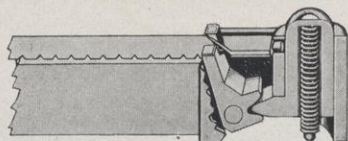


height of .159, bringing the top of the rule to type-high when mounted on any standard base which is .759 high. However, it can be supplied in any desired height.

Steel Cutting or Creasing Rule can be furnished to work with patent base in the same manner. It can also be supplied curved to work on web presses, but where this is desired it is necessary to specify the diameter of the cylinder. On cylinder presses it is well not to have the length exceed more than half the circumference of the cylinder.

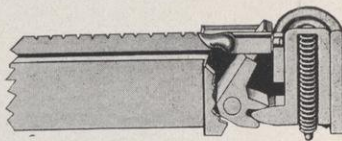
THE BURCH PERFORATOR

The Burch Perforator perforates while printing, without inking the stock or cutting the rollers. The base of the device is of solid metal, consequently no matter how much pressure is exerted by the quoin, it cannot affect the perfect working of the blade. The head may project



THE BURCH PERFORATOR—CLOSED

into the furniture and needs no support, so no time is wasted on the stone. One simply locks perforator in form and the press does the rest.



THE BURCH PERFORATOR—OPEN

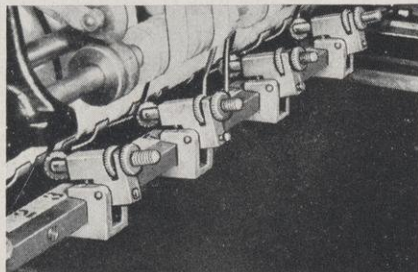
No quad or other make-

shift is necessary to paste on the tympan. Measurements are taken over all; the 10 inch device just fills a 10 inch chase, but perforates only $8\frac{7}{8}$ inches; the head in every case takes up $1\frac{1}{8}$ inches.

MADE IN THE FOLLOWING SIZES:

6 inch. Perforates $4\frac{7}{8}$ inches	8 inch. Perforates $6\frac{7}{8}$ inches	10 inch. Perforates $8\frac{7}{8}$ inches
7 inch. Perforates $5\frac{7}{8}$ inches	9 inch. Perforates $7\frac{7}{8}$ inches	12 inch. Perforates $10\frac{7}{8}$ inches
15 inch. Perforates $13\frac{7}{8}$ inches	18 inch. Perforates $16\frac{7}{8}$ inches	

COWAN PERFORATORS FOR KELLY PRESSES



SHOWING COWAN PERFORATORS ATTACHED TO KELLY PRESS BRUSH ROD

A cost-cutting attachment in any printing office operating Kelly Presses. The Cowan Perforator is adjustable, and perforates on a brass band which insures a clean cut. Can be attached in a few minutes. No holes to drill. Will perforate or crease the largest sheet that will run on the press.

The Cowan Perforator is simple, strong and serviceable. The perforator and creasing wheels are made of hardened steel, and will stand many thousand impressions before sharpening.

In many cases it will pay for itself in a single job.

ROSBACK HAND PERFORATOR

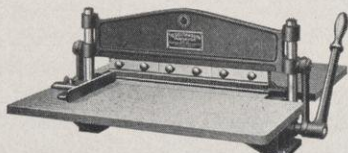
A 10 INCH MACHINE

The Rosback 10-Inch Hand Perforator makes a round hole and perforates fully ten inches. All springs are encased in the body of machine, out of the way of operator. The stripper is flanged, which renders it stiff and firm and not liable to spring or careen. A needle accidentally bent can be removed and another inserted in its place by detaching the needle stop, removing the defective needle, and replacing it with a new one—the operation requiring but a few minutes' time. This feature will particularly recommend it to those who know by experience how much time and patience are required to replace defective needles on some perforators. Weight, boxed, about 70 lbs.



ROSBACK HAND PERFORATOR

SOUTHWORTH HAND POWER PERFORATOR



HAND POWER PERFORATOR

MADE IN 15 INCH SIZE ONLY

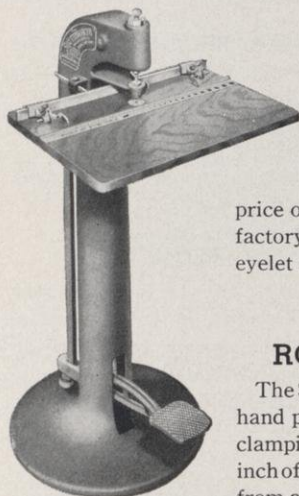
Southworth Hand Power Perforator is an honest-to-goodness perforator and, with the single $1\frac{1}{16}$ in. diameter guide rods, has a head far more substantially guided than many of the foot and power machines now on the market. It will be found a great convenience as an auxiliary machine for handling small jobs of perforating. The workmanship and material used in the construction is of the same high grade as is used in the larger perforators.

SOUTHWORTH PUNCHING MACHINES

MADE IN TWO STYLES: HAND AND FOOT POWER

The Southworth Punching Machines are for punching paper, cardboard, celluloid, thin sheet metal and other material. They are designed for round-hole punching only. Irregular shapes, such as open holes for loose-leaf sheets, card indexes, etc., cannot be punched with them.

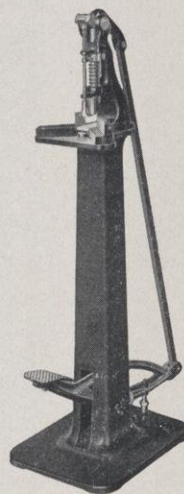
Punches vary in size by thirty-seconds, from $\frac{1}{32}$ to $\frac{1}{2}$ inch. One punching set is included in price of machine. Eyeletting can also be done in a satisfactory and economical manner. Can furnish eyelets and eyelet sets varying by sixteenths, from $\frac{1}{8}$ to $\frac{3}{8}$ inch.



SOUTHWORTH
FOOT POWER PUNCHING
MACHINE

STERLING ROUND CORNERING MACHINE

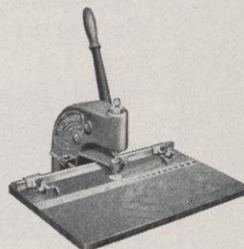
The Sterling Round Cornering Machine is made in both hand power and foot power types. The machine is self-clamping and very rapid. The capacity is a little over one inch of stock. Any number of sheets can be round cornered from a single sheet up to the full capacity of the machine. The knife cuts onto a block of end-grain hardwood, held in position by a spring. One No. 1 knife, four cutting blocks and a wrench are included with the machine.



STERLING
ROUND CORNERING
MACHINE
FOOT POWER

THE SOUTHWORTH PUNCHING MACHINE

Made in two patterns—Hand Power and Foot Power, the latter being in the pedestal form similar to the "Portland." This machine is designed for Round Hole Punches only, the sizes varying from $\frac{3}{32}$ inch to $\frac{1}{2}$ inch, by thirty-seconds. Each complete punching set consists of a punch, stripper and die. The change from one size to another can be made easily and quickly and without the aid of tools.



SIEBER ADJUSTABLE HAND PUNCH

THE LATEST DEVELOPMENT IN HAND PUNCHING MACHINES

The Sieber Adjustable Hand Punch is a splendid auxiliary to the power punching machine; does the work as well and as cheaply; easily and quickly made ready.

This punch is of extra heavy construction and built to take all classes of loose leaf punching, taking any size sheet. Dies are easy to adjust to various centers up to $8\frac{1}{2}$ inches center to center. Movable end gauge may be locked at any place; table is graduated to give center to center of holes with greatest ease.

Punch movement is positive, with eccentric shaft giving extra power to stroke. Dies are of hardened steel, self-sharpening, and highly nickel plated. Punch is copper oxidized, with nickel plated table and handle grip. Packed in substantial wood box ready to ship; weight, 17 pounds.



SIEBER ADJUSTABLE
HAND PUNCH

EJECTOR PRESS PUNCHES

By using Ejector Press Punches many jobs can be punched and printed at one operation. The punches, operating on the impression, permit the cuttings to fall through ahead of the downward movement of the rollers. These Punches work equally well on the Universal and Gordon type of presses.

A low-priced Punch, the various parts of which can be purchased separately.

Ejector Press Punch, complete, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{5}{32}$, $\frac{3}{16}$, $\frac{7}{32}$ or $\frac{1}{4}$ in., mounted on body $\frac{7}{16}$ in. square (small)

Ejector Press Punch, complete, $\frac{5}{16}$ or $\frac{3}{8}$ inch, mounted on body $\frac{9}{16}$ inch square (medium)

Ejector Press Punch, complete, $\frac{1}{2}$ inch, mounted on body $\frac{3}{4}$ inch square (large)

Ejector Press Punch, complete, $\frac{5}{8}$ inch, mounted on body $\frac{7}{8}$ inch square (large)

Write for descriptive circular

SEAMLESS STEEL CUTTING PUNCHES

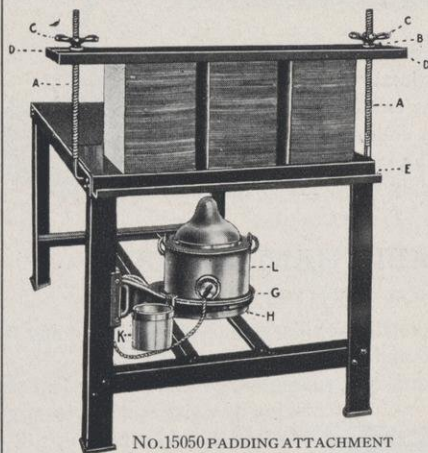
These Helmold Cutting Punches are used principally in conjunction with steel rule dies for cutting round holes. They are extremely durable. Are made in sizes from $\frac{1}{8}$ -inch outside bevel to $1\frac{3}{8}$ -inch inside bevel. Standard height is .937 inch. Special heights to order. When ordering state whether bevel is to be inside or outside of the cutting edge. Can be supplied with cutting edge in center. Prompt delivery can be made on all sizes and styles.

Send for Punch Chart showing actual sizes and prices.

PADDING AND GLUING-ON ATTACHMENTS

Hamilton Steel Bindery Tables are made instantly available as padding or gluing-on tables by the addition of simple attachments, as shown in illustration.

No. 15050 Padding Attachment for Hamilton Steel Bindery Tables having a 36 in. working surface, includes drip pan (E). Approximate shipping weight, 60 lbs. Uprights (A) are 18 in. long, threaded. The padding board (D) is 10 in. wide and 44 in. long. Pressure is obtained by use of 6 in. star wheels (C) on uprights. B is metal washer between star wheel and board. The uprights extend through the flange of the table top and are held securely by a locked nut. When not in use they hang loosely at sides of table. Drip pan (E) catches the drippings from the brush or from the pads. The tables are 36 in. wide and have holes drilled in side flanges 5 in. from each end to accommodate this attachment.



NO. 15050 PADDING ATTACHMENT
AND NO. 15052 GLUING-ON
ATTACHMENT ATTACHED TO
36 IN. END OF TABLE

No. 15052 Gluing-on Attachment for Hamilton Steel Bindery Tables includes swinging bracket (G), pan (H) $8\frac{7}{8}$ in. diameter, which fits into bracket, and a $4\frac{1}{2}$ in. cup (K) with bracket, for holding brushes, but not the glue heater (L). Approximate shipping weight, 30 lbs.

The bracket holding the glue pot is in two parts, one attached to leg of table, the other part hinged and swinging, carrying the glue pot clear of the table either at end or side. The brush cup is attached to the bracket, and also swings clear of table. The glue heater in illustration is Type GH-2, two quarts.

PAPER PAD COUNTER

This Pad or Paper Counter is a device adjustable for dividing any number of sheets into equal parts for padding. The gauge is nickel plated and adjustable up to $1\frac{5}{8}$ inches.



PAPER PAD COUNTER

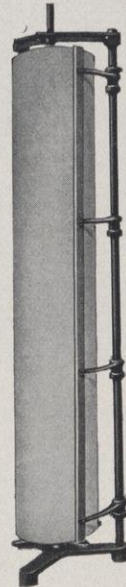
ROUSE TYMPAN PAPER HOLDER

A LABOR SAVER FOR THE PRESSROOM

Keeps the paper off the floor and will soon save its entire cost in its conservation of tympan paper. It shears the paper off with a clean cut, again insuring against waste; its moderate cost and constant convenience make it fairly indispensable in all pressrooms.



No. H-22 FOR STYLE B KELLY PRESS
No. H-35 FOR No. 2 KELLY PRESS

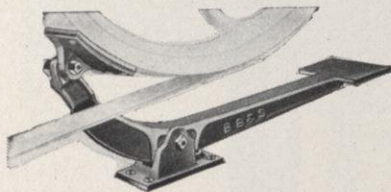


ROUSE TYMPAN PAPER HOLDER

Rouse Vertical Tympan Paper Holders are supplied in fourteen sizes to serve every cylinder press; hundreds are in constant use in scores of well-equipped plants. Used with any press, a Rouse Holder will earn its cost in tympan paper economy, in conservation of floor space and, notably, in its saving of labor in a short time.

NUMBER	DIAMETER ROLL	WIDTH ROLL	NUMBER	DIAMETER ROLL	WIDTH ROLL
15-40	15 inches	36-40 inches	20-48	20 inches	44-48 inches
15-48	15 inches	44-48 inches	20-54	20 inches	50-54 inches
15-54	15 inches	50-54 inches	20-60	20 inches	56-60 inches
15-60	15 inches	56-60 inches	20-66	20 inches	62-66 inches
15-66	15 inches	62-66 inches	20-72	20 inches	72-76 inches
15-72	15 inches	72-76 inches	H15-22	15 inches	(For B Kelly)
20-40	20 inches	36-40 inches	H15-35	15 inches	(For No. 2 Kelly)

SUPERIOR JOB PRESS BRAKE

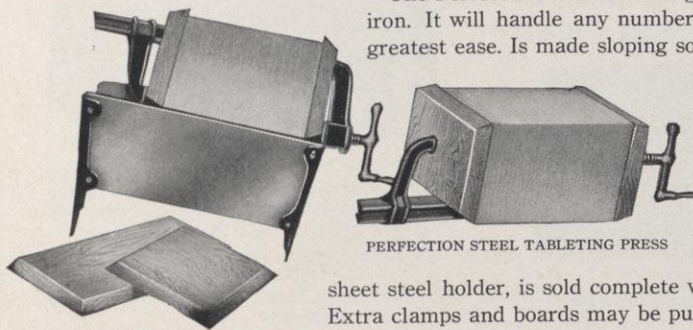


A strong, effective Brake, very substantially made of cast iron, with iron shoe lined with double-ply leather. Does not interfere where belt is run on the flywheel. A light pressure on the step by the feeder stops press instantly.

Sizes of Superior Job Press Brakes: No. 1 fits 8x12 Gordons; No. 2 fits 10x15 Gordons; No. 3 fits 12x18 and 13x19 Gordons and 10x15 and 13x19 National, Universal and Colt's Armory; No. 4 fits 14x20 and

14½x22 Gordons and 14x22 Hartford, National, Universal and Colt's Armory; No. 5 fits 12x18 and 15x21 Goldings.

PERFECTION STEEL TABLETING PRESSES

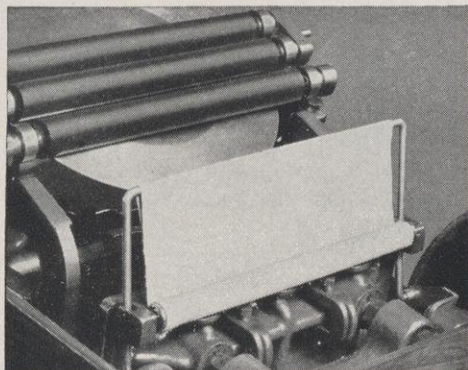


PERFECTION STEEL TABLETING PRESS

The Perfection Steel Tableting Press is made of steel and iron. It will handle any number of sheets up to 3000 with greatest ease. Is made sloping so that paper will rest alone while being adjusted. The clamp is separate from the box and is quickly arranged to take various thicknesses. Pressure is obtained by turning the screw crank. The Perfection Steel Tableting Press, sheet steel holder, is sold complete with clamp and five boards. Extra clamps and boards may be purchased.

C & P "RELIANCE" PLATEN GUARD

A simple, dependable feeding guard, consisting simply of a rolling curtain which rises and lowers as the platen opens and closes. It cannot fail to operate for it is actuated by the movement of the press platen.



With platen open the guard is rolled up out of the way. There are no obstructions to interfere with quick make-ready. When platen starts to close the feeding guard unrolls and rises into position, lifting the operator's hand entirely away from the platen, away from any danger of accident.

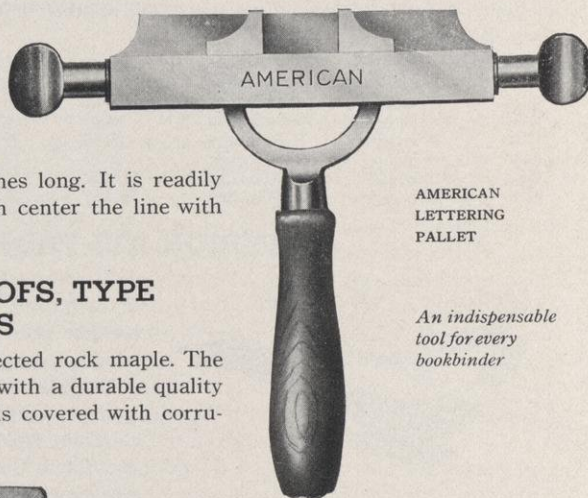
The "Reliance" Platen Guard can be attached to C & P Platen Presses in five minutes or less. Since there are no holes to drill and no press parts need to be removed the services of a mechanic are not required. Anyone can make the installation.

The C & P "Reliance" Platen Guard on each hand-fed Chandler & Price Press in your

plant will help to speed production by removing the ever-present fear of accidents.

AMERICAN LETTERING PALLET

The American Lettering Pallet is made of solid brass, substantially constructed and handsomely finished. It has a capacity for a line $4\frac{7}{8}$ inches long. It is readily adjusted by two thumbscrews, which center the line with one operation from either end.

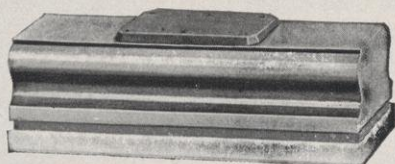


AMERICAN
LETTERING
PALLET

*An indispensable
tool for every
bookbinder*

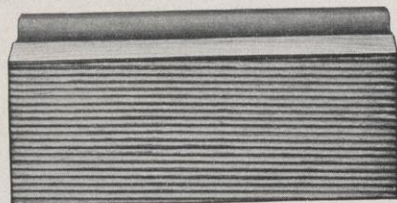
PLANERS FOR PROOFS, TYPE AND SLUGS

Planers are made of the best selected rock maple. The face of the proof planer is covered with a durable quality of felt. The face of the slug planer is covered with corrugated rubber.



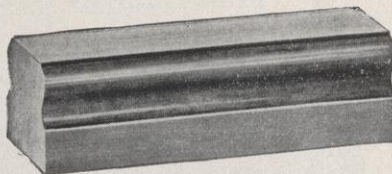
PROOF PLANER

No. 5837—Proof Planer, size $3\frac{1}{2} \times 8$ inches, with leather top.



SLUG PLANER

No. 5847—Slug Planer, size $3\frac{1}{4} \times 6$ inches.



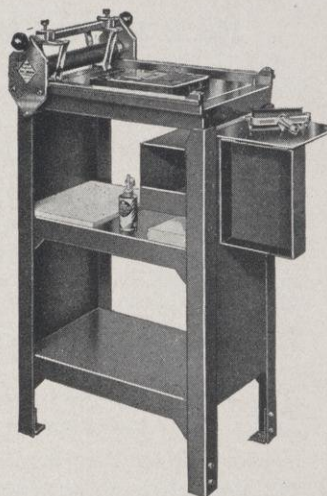
MAPLE PLANER

No. 5839—Maple Planer, small, size $3\frac{1}{4} \times 6$ inches.
No. 5843—Maple Planer, leather top, $3\frac{1}{4} \times 8$ inches.
No. 5845—Midget Planer, $1\frac{3}{4} \times 3$ inches.

No. 099 VANDERCOOK PROOF PRESS

A small proof press at a low price, but with possibilities and qualities that are surprising. A proof press that gives you a press proof. A little master from the shops of a master builder. The biggest and best 175 pounds of proof press ever offered. Sheet size 13x20 inches; form 11x16 inches; floor space 21x31 inches.

Sold complete with steel paper cabinet, sheet feed, ink plate with hinged cover, cast aluminum brayer with cast roller, rag bin, removable galley-thickness bed plate. Ball-bearing throughout. Operated from either side. Adjustable feet on the cabinet for leveling.



No. 03 VANDERCOOK PROOF PRESS

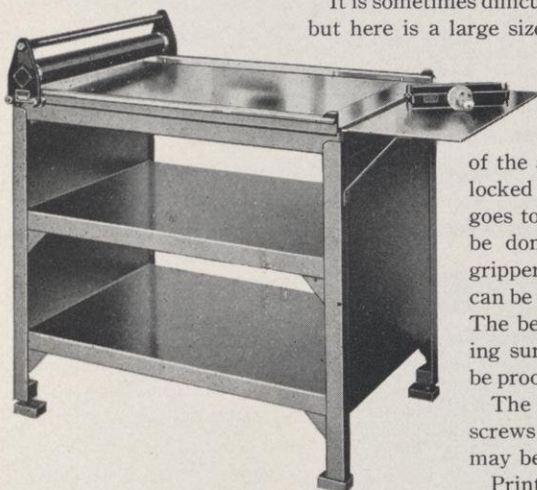
It is sometimes difficult to reconcile lower price and high grade, but here is a large size ball-bearing proof press of wide utility.

The No. 03 Vandercook Proof Press has many uses. It proves anything from a single letter to 25 $\frac{3}{4}$ x34 inch form.

Forms for all platen presses and many of the automatic cylinder presses may be proved locked in chases as a final check before the form goes to press. A wide range of poster work may be done, especially if the register device with grippers is employed. A special thin bed plate can be supplied for printing on heavy cardboard. The bed of the press may be used for an imposing surface. After the form is locked up it can be proofed before removing.

The No. 03 steel cabinet has four leveling set screws that fit into sockets in steel plates that may be secured to the floor.

Printing surface 25 $\frac{3}{4}$ x34; bed size 25 $\frac{3}{4}$ x42 inches. Overall dimensions 30 $\frac{1}{2}$ x42 inches.



No. 0 POCO PROOF PRESS

A RELIABLE PROOF PRESS

The No. 0 Poco Proof Press is large enough for 12x18 galleys. It takes a good proof and as a means of lowering costs and improving service its reputation is established. For the printer who wants only a small reliable proofing machine at a very modest outlay of money, the Poco No. 0 is just the thing. The stand for it is made and furnished the same as for other Poco Proof Presses, and while not absolutely essential, is very desirable and convenient. All Poco Proof Presses are provided with means for adjusting the impression. Send for descriptive circular and prices.

Size of bed, 12 $\frac{7}{8}$ x18 $\frac{1}{8}$ inches.

All Poco Presses are equipped with cylinder packing, ink plate, galley plate and proof roller (not cast).

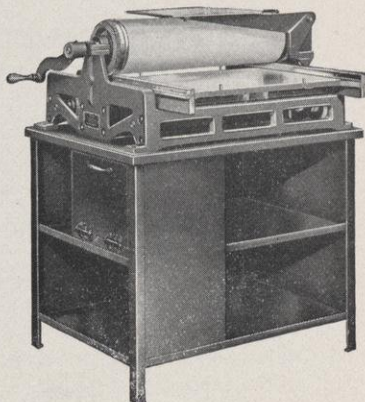


No. 0 POCO PROOF PRESS
WITH STAND

No. 2 POCO PROOF PRESS

The No. 2 POCO Proof Press is particularly strong and heavy under the impression. A proof can be taken from either side of this machine, as the paper is laid directly on the form. The cylinder impression is the correct principle for machine slugs and machine-set type, as the impression runs in the same direction as the type lines and obviates all tendency to wrinkle the proof. Ball bearings on cylinder shafts have been provided and shock absorbers are installed at the ends of strokes to insure easy-running and quiet machines.

Size of bed, 18x25 inches.



No. 2 POCO PROOF PRESS WITH STAND

STANDS FOR POCO PROOF PRESS

A USEFUL PIECE OF EQUIPMENT

The stands for POCO Proof Presses are of the sturdy modern steel construction. Finish, olive green. They are provided with shelves to accommodate different sizes of proof paper. One compartment with spring door, as shown in illustration, for storing ink, benzine, rags, etc. Send for descriptive circular and prices.

PLATE-MOUNTING EQUIPMENT FOR KELLY PRESSES

A SPECIAL EQUIPMENT FOR THE KELLY AUTOMATIC PRESS, STYLE B

The Special Plate-Mounting Equipment for the Kelly Automatic Job Press, Style B, herewith illustrated, includes the complete form ready to put on the press. The equipment will accommodate the majority of forms, but additional 6x6 or 4x6 Art Register Hooks and small Sections

can be added at a slight expense to take care of as many additional plates as may be required. The equipment is made up of the following:

One Style K-E Electric-Welded Steel Skeleton Chase, made for the Kelly Automatic Job Press, Style B, 18 $\frac{7}{8}$ x22 $\frac{1}{4}$ in. outside and 16 $\frac{3}{8}$ x20 $\frac{7}{8}$ in. inside; top and bottom bars, 1 $\frac{1}{4}$ x $\frac{5}{8}$ in.; side bars, 1 $\frac{1}{4}$ x $\frac{3}{4}$ in., together with:

Twenty-four Art Register Hooks, size 6x6 ems; eighty-four Cast Iron Sections, size 8x8 ems; fifty-two Cast Iron Sections, size 6x8 ems; ten Steel Sections, size 2x8 ems; six Steel Sections, size 2x6 ems; forty-two Steel Sections, size 1x8 ems; fifty-four Steel Sections, size 1x6 ems; one Double End Register Key, 4 inch;

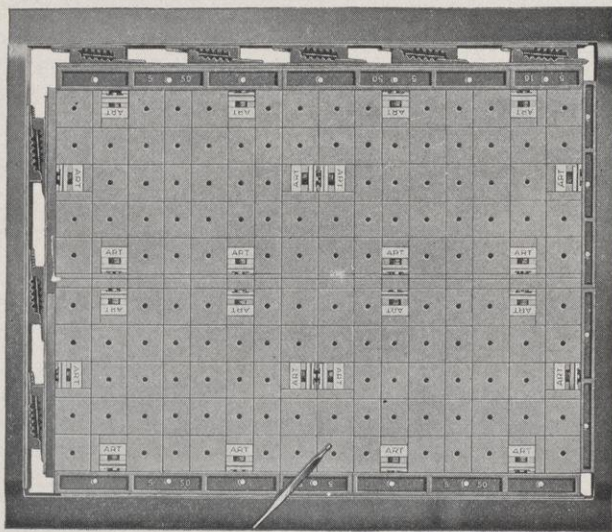


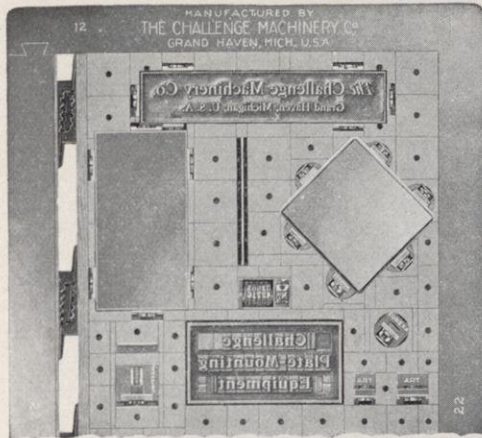
ILLUSTRATION OF PLATE-MOUNTING EQUIPMENT FOR KELLY AUTOMATIC JOB PRESS, STYLE B
NET SIZE OF BASE OVER ALL, 83x116 EMS

pieces Challenge Labor-Saving Iron Furniture, as follows: one piece each 2x40, 2x45, 3x40 and 3x45 ems; two pieces 5x16 ems; four pieces 5x50 ems; eight pair No. 1 Challenge Quoins. Write for illustrated circular and ask for prices.

CHALLENGE SECTIONAL BLOCKS

ANSWER EVERY REQUIREMENT OF THE MOST EXACTING PRINTER

The perfect adaptability of sectional blocks and register hooks to every variety of flat-bed printing; the absolute permanency of plate position; the quick registering of plates; the very narrow margins; the possibility of placing a hook wherever needed; the absence of trenches



beneath the plates, which weaken them and make interlaying impracticable; the unlimited interchangeability of blocks, so that numbering machines, scoring rules, pages, lines or lone figures in type may be inserted in any portion of the form and locked as securely as if in an all-type form; the adaptability to any size plate set at any angle desired, and instantly registered; perfect lock-up of blocks; their flat bearing on the press bed; their unchangeableness; their impression resiliency and the clearness of print yielded; the artist-proof impression that may be obtained by the very minimum of overlaying and underlaying, and the light wear on plates, make Challenge Sectional Blocks and Register Hooks answer fully every requirement of the most exacting printer and publisher.

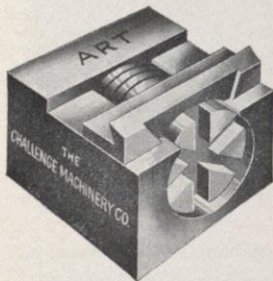
CHALLENGE STEEL AND BRASS CATCHES

Steel Catches—Steel side and head catches are made in one size, 2x8 ems. The head catches do not have the beveled lip, being straight for head of book plates.

Brass Catches—Brass side and head catches are made in four sizes, 1x4, 1x6, 1x8, and 1x16 ems. The size of the Brass Catch most used is 1x8 ems.



STEEL
SIDE CATCH
2x8 EMS



CHALLENGE ART HOOK

THE CHALLENGE ART HOOK

The Challenge Art Hook is used for color and register work. It is operated by a small steel key; the head of the screw follows the clutch so that the key opening is always at the edge of the plate, allowing plates to come together up to the thickness of the key. By intersetting hooks the back edges of plates can be brought to within six points of each other, or, allowing three points for each bevel, the printing face of two plates come within twelve points of each other. Construction is of steel and they are the strongest hook made. Made in three sizes, 4x4, 4x6 and 6x6 ems.

THE CHALLENGE ART SWIVEL HOOK

FOR ANGLES AND ODD SHAPES

The Challenge Art Swivel Hook operates by a key, and is used where plates are desired at a decided angle or are of odd shapes. It may also be used for general register work. Construction is of steel. Made in one size only, 6x6 ems.

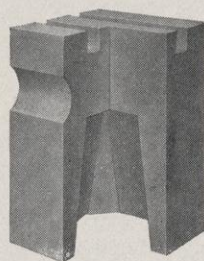
Challenge Sectional Blocks, Hooks and Cast Iron Bases are used in many of the largest printing plants, giving entire satisfaction.



ART
SWIVEL
HOOK

AMERICAN QUAD PLATE BASE AND QUAD REGISTER HOOKS

Since 1815, when David Bruce introduced his mahogany sectional blocks, printers have known the advantages of printing plates from "patent" bases. After the wood blocks came several varieties of sectional mounting bases and blocks. Years after came various styles of grooved patent press beds, with their intricate hooks and catches. All of these have been successful, but their design and character, together with the necessary accuracy, have made the cost of manufacturing such that not all printers have been able to avail themselves of their advantages. Furthermore, they all have their limitations even to those who could well afford to add them to their equipment.

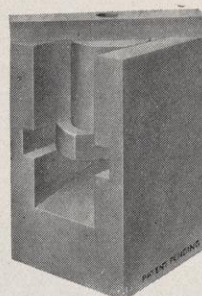


QUAD PLATE BASE

The new American Quad Plate Base and Quad Register Hooks present the most flexible form of plate mounting equipment ever offered the printer. It is made up of individual 36-point Quads cast of hard metal in type molds. They are cast in two heights—.759 for 11-point plates and .853 for 16-gauge photo-engravings—absolutely as accurate as American type, thereby permitting the form to seat itself on the bed of the press in the same manner as a solid type form. This, as every printer knows, reduces the make-ready time to a minimum.

By the use of American Quad Plate Base and Quad Register Hooks, type, machine slugs, rule borders, numbering machines, perforating rule, etc., can be run in the same form with cuts. Electrotypes and photo-engravings can also be run in the same form. Electrotyping bills are reduced by eliminating the necessity of having the entire form electrotyped when patent base features of production are desired. Bases for several sizes of presses can be made up out of the same material where American Quad Plate Base is used. Or, it may be used for individual page make-up or part of a page where 11-point plates or 16-gauge photo-engravings are to be printed with the type form or page.

The American Quad Register Hooks are made of special steel case-hardened and are of the same accurate dimensions (36 points) as the Base Quads with which they work and interchange. Like the Base Quads, the Hooks are of two heights—.759 for 11-point plates and .853 for 16-gauge photo-engravings. The American Quad Register Hooks are extremely simple in design and of few parts. Only two styles of Hooks are required—regular and narrow margin. The Regular Hooks serve where either straight or swivel features are required. The Narrow Margin Hook is what its name implies, but it can also be used where no margin is possible, by simply undercutting the edge of the plate to a sufficient depth to accommodate the small narrow margin jaw.



QUAD REGISTER HOOK

The American Quad Plate Base and Quad Register Hooks are put up and sold in quantities convenient for every requirement and at prices within the means of every printer. The printer who has heretofore questioned the advisability of purchasing expensive patent beds for only occasional use, or for small forms or short runs, need have no further doubts. The base comes in page units of 6x9 inches—54 square inches of base—with eight Register Hooks, a Register Hook Key and sixteen half-size Base Quads. The half-size Base Quads are for use where it becomes necessary to move a Register Hook Jaw a distance less than a whole Base Quad. Extra base, in lots of 18 square inches, extra Register Hooks and Keys, and parts of the Register Hook are sold separately. This Quad Register Hook contains only three parts—base, jaw and screw. No wrenches or screw drivers required. A regulation patent base key is used for adjusting the hook. Flexibility, simplicity and inexpensiveness are the features stressed in promoting the use of this system.

By adopting the American Quad Plate Base and Quad Register Hooks you practically buy 36-point foundry cast quads with partially cored body and grooved top, at a price only slightly

in excess of the price of regular standard 36-point quads. The groove in the top serves to simplify the work of changing Quads for Hooks in the base when made up to size in a chase. The Quads of the Quad Plate Base are stamped and nicked for quick identification, .759 or .853—for unmounted electrotypes or photo-engravings, as the case may be.

The Quad Register Hook has a 20-point adjustment on the 36-point body. The make-up or the stoneman has this range to work with before it becomes necessary to change the position of the Hook body.

To avoid confusion in ordering, the Quad Plate Base for 11-point plates (.759 high) has been designated as Style No. 1. That for 16-gauge photo-engravings (.853 high) is Style No. 2.

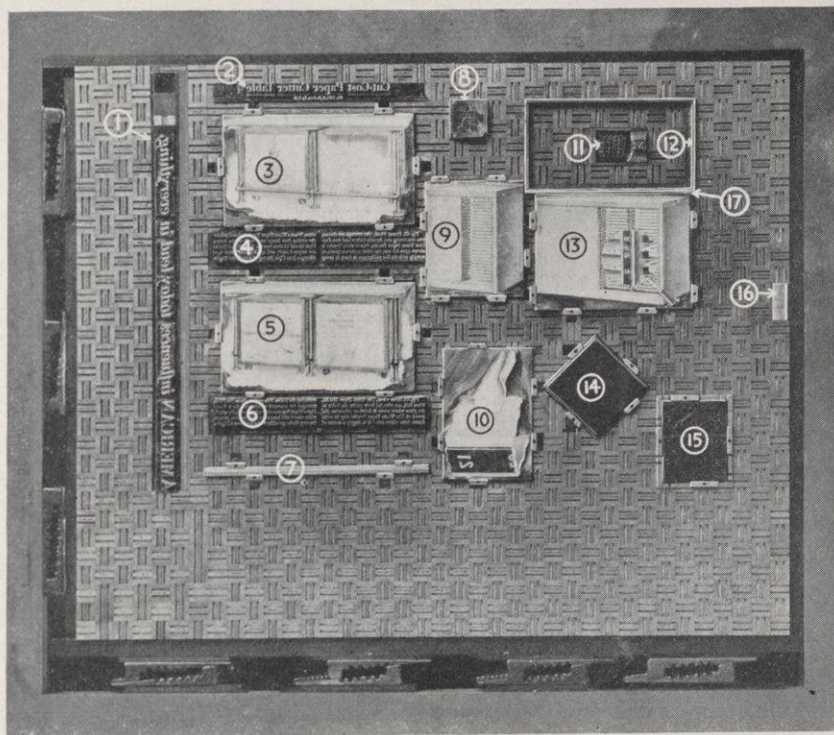


ILLUSTRATION OF FORM FOR STYLE B KELLY PRESS MADE UP OF AMERICAN QUAD PLATE BASE

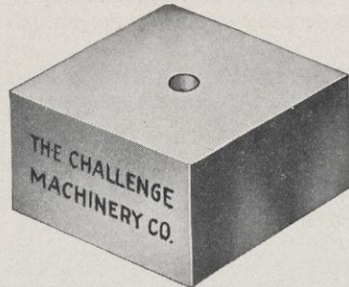
Nos. 1, 2, 4 and 6 indicate hand-set type; Nos. 3, 5, 9, 10 and 13 are unmounted electrotypes; No. 7 is a strip of steel perforating rule, fastened in an eleven-point metal base; No. 8 is a seventy-two point ATF Monogram; No. 11 is a standard typographic type-high numbering machine; No. 12 is regular type-high foundry rule border, cut and mitered to size; No. 14 is an eleven-point rubber plate, mounted on a metal base; No. 15 is a line plate photo-engraving, 16-gauge; No. 16 is a type-high brass rule; No. 17 shows how close electrotypes may be run to type or borders, by using Narrow Margin Hooks.

A careful study of the new method of Plate Mounting by the use of American Quad Plate Base, in connection with Quad Register Hooks, will show its many possibilities. The use of precision quads for base mounting material will reduce make-up, register and make-ready time to a minimum.

The Quad Register Hook eliminates all first costs of expensive patent beds, as American Quad Plate Base takes the place of the patent beds in this method of production.

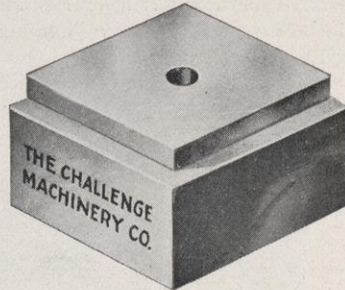
CHALLENGE IRON SECTIONAL BLOCKS

Sizes from 1x4 to 2x24 ems are made from solid cold-rolled steel. The Cast Iron Sectional Blocks are made in a variety of sizes from 3x6 to 24x36 ems. They are as light as consistent with positive rigidity. Being made to micrometer measurements, and on the point system, they



CHALLENGE IRON SECTIONAL BLOCK

will work perfectly with type, iron furniture, numbering machines, etc., run in same form. In each section is cast a small round hole through which the end of the register hook key may be inserted and the section lifted out of the form. The rab-



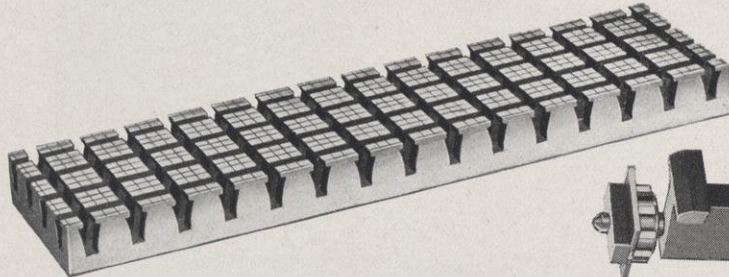
CHALLENGE IRON RABBETED SECTIONAL BLOCK

beted sections are used with the Universal Hook, and furnish a gutter for using a ratchet. Challenge Register Hooks and Sectional Blocks are .759 inch high for standard 11 point plate.



STEEL REGISTER KEY, DOUBLE END, 4 INCHES LONG

UNIQUE STEEL BLOCK



REGISTER HOOK NO. 3

Steel is used in this plate mounting system because practical experience has demonstrated that steel is the only metal which, under use, will stand up to a true level and keep its sharp edges and correct size. Each section is ground to micrometrical accuracy, and the advantages over sections of bases cast from any other metal can readily be seen.

The grooves of the Unique Steel Block are the narrowest made and on this account the use of fillers for slots is not necessary as there is no danger of the breaking of plates or of the grooves printing through and showing in light lines as is so common with wider grooved blocks. Unique Bases are of two heights: .750 inch and .759 inch. The .750 inch is the older size and is now sold to those customers who have used our blocks for years and who prefer to avoid confusion of heights. New customers are usually furnished with block of the .759 inch height. This, when set up with an eleven point plate (.153 inch) allows .006 for make-ready to reach the standard type height (.918).

Unique Steel Bases are supplied in sections of the most desirable sizes: 8x10 in., 2 $\frac{2}{3}$ x10 in., 3 $\frac{1}{3}$ x8 in., 3 $\frac{1}{3}$ x2 $\frac{2}{3}$ in. and 2x8 in. A 4x4 inch section can be furnished on order as well as other sizes based on a four-pica measure. Combination Chase Blocks can also be furnished for any job press. These combinations are made of sections of Unique Blocks permanently joined so that they are as rigid and accurate as a single block. These sections may readily be placed together to make up a block of any desired size. As all Unique Blocks of whatever size are so cut that the four pica square is retained when one block is laid next to another and as the height of our block will always be found entirely uniform, it is easy to see that a

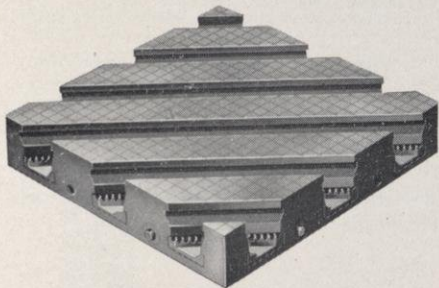
plate can as safely be clamped partly on one section and partly on another as on one section alone. They furnish a maximum of printing surface, require a minimum of make-ready, do away with the laborious use of quoins, and are easily handled.

There are 7 styles of hooks made to meet particular requirements. The one pictured on page 64, together with our No. 4 Narrow Margin Hook, is most commonly used.

Carried in stock to fit Kelly "A" and "B" Presses. Other styles are made to order.

By the use of Unique Couplers sections may be joined to form units of any desired size without a chase frame.

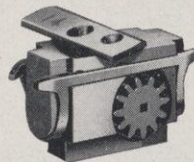
WARNOCK DIAGONAL BLOCK



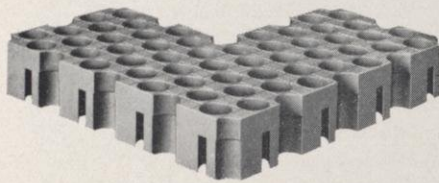
This metal base system is used extensively by printers all over the world. It is one of the most flexible systems obtainable. The four-inch square sections can easily be assembled into different size forms. Form sizes not a multiple of four inches can be secured by the use of part blocks. The dowel pins in the sides of the block allow adjacent blocks to interlock into one base with continuous travel slots, preventing "work-up" or lifting of individual units. This arrangement gives all the advantages of the one-piece bed without

the loss of that highly economical flexibility. Though originally introduced to the trade in Aluminum Alloy, the Warnock Diagonal Block is now manufactured from Malleable Iron, and with heavy lips for holding the hook in the block.

The Warnock Diagonal Hook is a self-contained unit, having its means of operation within a substantial body. The Hook is obtained with either the regular or narrow margin jaw. The movement of the Hook is accurately gauged and the material used and the method of manufacture give the Warnock Hook great strength. A complete insertion of the Hook in the slot in the Warnock Block automatically locks the Hook in the slot. This is an important feature of the Warnock Hook. The combination of the Warnock Malleable Iron Diagonal Block and Warnock Diagonal Hook makes an excellent metal base system for printers. Learn what this metal base system can do for you. Learn how your make-ready and register time can be reduced—how hair line register can be easily obtained.



STERLING SEMI-STEEL TOGGLE BASE



STERLING SEMI-STEEL TOGGLE BASE

For certain classes of printing and for certain print shop requirements the Honeycomb style of base is preferred. This type of base is usually furnished in a base high chase and the construction of the chase eliminates the need for quoins. This gives the printer all the advantages of a one-piece base without any of the disadvantages.

The Sterling Semi-Steel Toggle Base permits the user to remove his blocks from the chase and reassemble them into forms of other sizes. The Semi-Steel feature of the Sterling Toggle System insures the printer that the blocks will not warp or will not grow.

The Sterling Toggle Register Hook is a self contained hook and cannot accidentally come apart. No lifting device is needed to remove the hook from the hole in the block, and the strength of the hook is greatly in excess of its requirements.

Printers printing from small plates or doing carton and label work will find the Sterling Toggle Hook and Semi-Steel Base just what they need. Printers who find it necessary to utilize the full printing surface of their press bed will welcome this system.

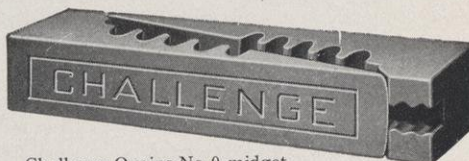
There are many ways the Sterling Toggle Hook and Semi-Steel Base can earn money for you. Ask us about them.



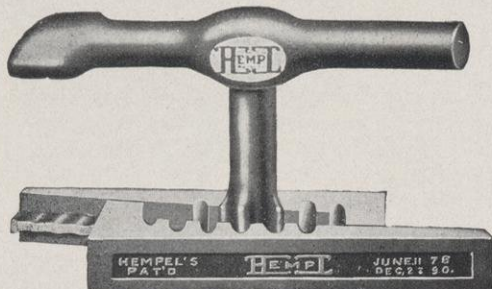
STERLING TOGGLE HOOK

CHALLENGE QUOINS

Challenge Quoins have rounded ends and do not scratch or injure the imposing stone or the press bed. The beveled heels and points enable one to place two quoins wherever one will go. Challenge Quoin Keys are made of the best cast steel.



Challenge Quoins No. 0, midget
Challenge Quoins No. 1, small
Challenge Quoins No. 2, large
Keys furnished plain or nickel plated. Plating extra



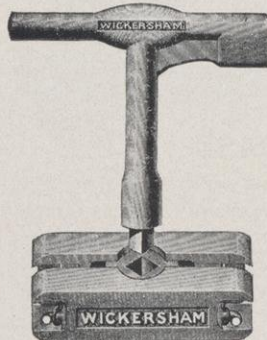
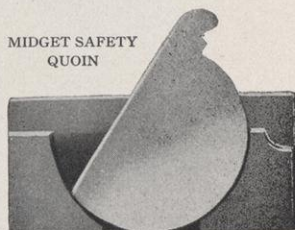
IMPROVED HEMPEL QUOINS

Hempel Quoins have been tested by time and approved by all who have used them.

Quoins come and go, but the Hempel always holds its place with the leaders.

MIDGET SAFETY QUOINS

The Midget Safety Quoin is quickly locked by a tap of the mallet. It can be used in a space 18 points wide by 120 points long, either inside or outside of type form. It is absolutely safe, as when locked it rests against its corresponding flat surface; and the harder the surface it bears against, the better.



WICKERSHAM QUOINS

The Wickersham Quoin is for locking up forms with cramped margins. It has a direct spread and will not slip or slide and "squeegee" pages. It is excellent for locking up patent blocks or electrotyped pages whether made up in small or in large forms.

MADE IN THREE SIZES

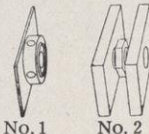
- No. 0 is 2 in. long, 1/2 in. wide when closed; expands 16 points
- No. 1 is 2 in. long, 3/8 in. wide when closed; expands 16 points
- No. 2 is 2 in. long, 1/4 in. wide when closed; expands 16 points

ROUSE REGISTER QUOINS

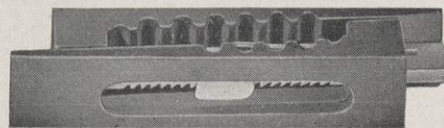
MADE IN TWO SIZES

- No. 1. Margin 16 to 24 points
- No. 2. Margin 36 to 48 points

Keys extra



AJAX SAFETY QUOINS



is made on the wedge principle they are always in pairs, thus removing the inconvenience and annoyance of gathering halves of quoins.

A quoin which locks automatically. These Safety Quoins require no special key. They are tightened and locked with your standard No. 1 Hempel key. The tightening and locking are done by one operation. The withdrawal of the key locks the quoin. While the Ajax Safety Quoin

SMITH TOOL STEEL "REGISTER" QUOIN

Register is gauged by quarter, half or full turn of quoin wrench, or any fraction thereof. Each quarter turn of wrench equals one point spread. In some quoins of this type it is the upward pull of the screw threads that exert the opening pressure. In this quoin it is the down thrust which forces the expansion. Opens square and true, and holds at any point of expansion. Jaw made of high-grade tool steel, wearing parts thoroughly hardened.

Made in two sizes: No. 1— $\frac{5}{8}$ x $1\frac{3}{4}$ in. No. 2— $\frac{5}{8}$ x $3\frac{1}{2}$ in.



ACTUAL SIZE—(SPREAD—16 POINTS)



ACTUAL SIZE—($\frac{5}{8}$ x $1\frac{3}{4}$ CLOSED)

VION LOCKABLE QUOIN



A quarter turn of key drives a steel pin three points into the wood.

Phantom view of the Vion Lockable Quoin shows position of tongue when pin points are engaged with furniture

This simple and fool-proof quoin is especially suited for register work and high-speed automatic presses. It is used like any other quoin of this type, only that in addition (after the job has been OK'd) slipping is prevented by a pin point which is forced three points into the reglet or furniture by a quarter turn of the key. The cam has tongues on either side of the quoin to engage with the slotted gear end of the quoin key, thus avoiding left and right-hand quoins. Position of cam tongue at right angles indicates that quoin is double locked. Your regular No. 1 Quoin Key will lock the quoins. With every dozen quoins a small key is furnished which operates the cam. Special No. 1 keys accurately machined to fit both quoin and cam are sold as an extra.

WOOD QUOINS

Wood Quoins are made of hardwood (not boxwood) in lengths of $1\frac{5}{8}$ inches in assorted widths. They are sold in boxes, bags and barrels, as follows:

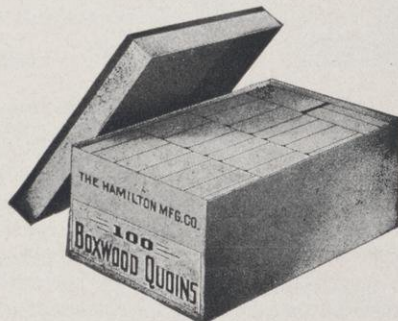
No. 5869—Hardwood Quoins in box of 100.
Weight, $1\frac{3}{4}$ lbs.

No. 5873—Hardwood Quoins in bag of 500.
Weight, 9 lbs.

No. 5877—Hardwood Quoins in bag of 1000.
Weight, 18 lbs.

No. 5881—Hardwood Quoins in barrel of 7500. Weight of full barrel, 135 lbs.; per 1000, 18 lbs.

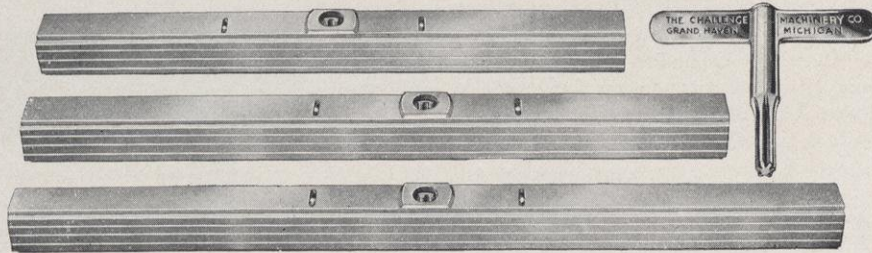
Boxwood Quoins are not kept in stock, but will be furnished to order.



WOOD QUOINS IN BOX

CHALLENGE HI-SPEED QUOINS

Construction features and engineering principles have been embodied in the Hi-Speed Quoin which form an entirely new standard for comparison of quoin values. Here we have a quoin wherein the pressure is exerted for its entire length by one movement of the Hi-Speed Quoin Key, giving the effect of a series of quoins, using only the time necessary for the locking of one quoin where single, old-style quoins are used.



PATENT No. 1,948,821

Made of steel, in six sizes: 4½, 6, 7½, 9, 10½ and 12-inch lengths. Each size is made in three styles: Styles E, F and G.

SPECIFICATIONS	SPACE OCCUPIED, IN POINTS		
	EXPANDED	CLOSED	EXPANSION
Style E	52	44	8
Style F (with lock)	59	47	12
Style G	59	47	12

The only difference between Styles F and G is that Style F is provided with an automatic lock that holds the quoin securely and it cannot be unlocked without using the key which releases the lock when key is fully inserted into the quoin.

The speed, power, utility, quality and compactness, together with the engineering principles of the Challenge Hi-Speed Quoins supply one of the many modern means of reducing production costs.

CHALLENGE SPECIAL QUOIN KEY



CHALLENGE SPECIAL QUOIN KEY

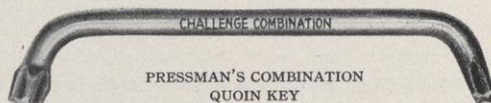
Made from the best quality of steel obtainable. Absolutely guaranteed against breakage.

WICKERSHAM PRESSMAN'S QUOIN KEY

The Wickersham Pressman's Quoin Key is also intended for use in locking and unlocking forms while on the press. It fits both the No. 1 and No. 2 Wickersham Quoins, and in offices where these quoins are used this key is just as essential as the Combination or Right-Angle Keys for Hempel pattern quoins.

PRESSMAN'S COMBINATION QUOIN KEY

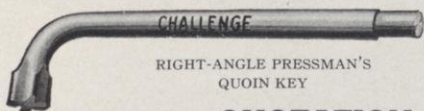
The Pressman's Combination Quoin Key is made of tool steel, 7½ inches long. One end is accurately cut to fit a No. 1 Hempel Quoin and the other end is drop-forged to fit a No. 2 Quoin. One inch of each end is bent towards the same side of the stem at an angle of 113 degrees, raising the disengaged end 1½ inches from the form, enabling pressman to reach under cylinder and tighten or loosen quoins.



CHALLENGE COMBINATION
PRESSMAN'S COMBINATION
QUOIN KEY

RIGHT-ANGLE PRESSMAN'S QUOIN KEY

The Right-Angle Pressman's Quoin Key fits Hempel Quoins of any make. It is made of tool steel, each tooth being cut and not drop-forged. It is especially constructed for locking or unlocking a form under the cylinder without taking the chase from the bed of the press. Made for No. 1 or No. 2 Quoins.

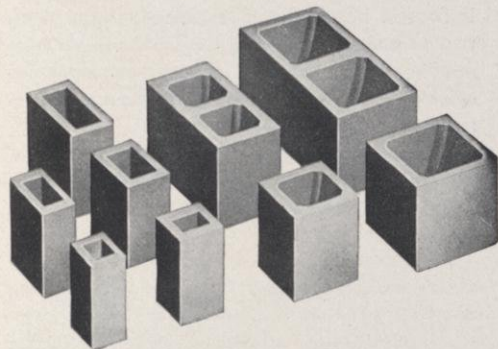


RIGHT-ANGLE PRESSMAN'S QUOIN KEY

QUOTATION SPACES AND QUADS

As a means of economizing metal, with a consequent saving in cost, in the larger sizes of Quads and Spaces, special matrices have been provided in an extensive variety of bodies and sets for casting with a hollow center or cupped recess. These economy Spaces and Quads are called "Quotation" and are cast of type metal on regular type casting machines the same as used for solid cast material. It should be noted that the opening does not extend all the way through the quad or space, as in furniture, but the bottom and all side walls remain solid and strong so that the squeeze of a tight lockup will not break down the structure. When used in quantities

for the composition of blank forms and similar tabular work, a desirable lightness of form is effected with the same degree of accuracy afforded by solid cast material.



MADE IN THE FOLLOWING SIZES:

10x30	12x72	16x18	18x42	22x60	30x42	42x72
10x60	14x14	16x24	18x48	22x72	30x48	48x48
10x72	14x16	16x30	18x54	24x24	30x54	48x54
12x12	14x18	16x32	18x60	24x30	30x60	48x60
12x14	14x24	16x36	18x72	24x36	30x72	48x72
12x16	14x28	16x42	18x96	24x42	36x36	48x96
12x18	14x30	16x48	20x36	24x48	36x42	48x120
12x24	14x36	16x60	20x72	24x54	36x48	54x72
12x30	14x42	16x72	22x24	24x60	36x54	60x60
12x36	14x48	18x18	22x30	24x72	36x60	60x72
12x42	14x54	18x22	22x36	24x96	36x66	60x96
12x48	14x60	18x24	22x42	24x120	36x72	72x72
12x54	14x72	18x30	22x48	30x30	36x96	72x96
12x60	16x16	18x36	22x54	30x36	42x42	96x96

Quotation Spaces and Quads are supplied by the pound, singly, or assorted, as ordered. Prices vary according to quantity ordered at one time.

ANGULAR QUADS

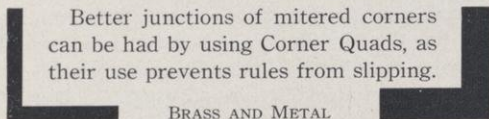
Angular Quads range in sizes from 8 points to 72 points. Each font contains twenty-eight pieces, conveniently assorted to meet all ordinary requirements, but when additions are needed sorts can be added at the prices listed. Sold in sets of four of either size, also a complete font consisting of four of each size, 8, 10, 12, 18, 24, 36, 48, 60 and 72-point.



12, 18, 24, 36, 48, 60 AND 72 POINT ANGULAR QUADS

CORNER QUADS

Better junctions of mitered corners can be had by using Corner Quads, as their use prevents rules from slipping.



BRASS AND METAL

CIRCULAR QUADS

The font is made up of ninety-six pieces, cast in the following lengths: Sixteen pieces of 12 picas, sixteen pieces of 9 picas, sixteen pieces of 7 picas, sixteen pieces of 6 picas, sixteen pieces of 5 picas, and sixteen pieces of 3 picas. The various pieces are quickly adjusted with quads and leads to make the required circles. For label and similar work Circular Quads will quickly pay for themselves.



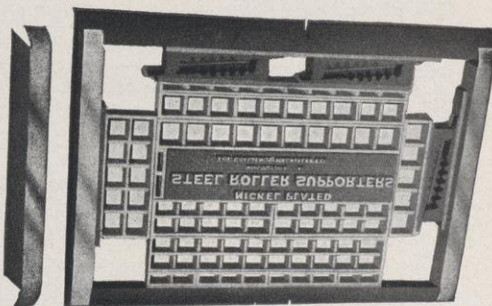
CIRCULAR QUADS (ILLUSTRATION CONSIDERABLY REDUCED)

TRUE-STRAIGHT STEEL ROLLER SUPPORTERS

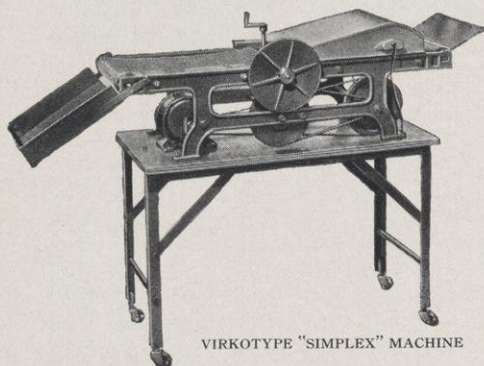
NICKEL PLATED AND POLISHED

For job presses these are among the best supporters yet devised. They occupy only $\frac{1}{4}$ inch of the inside space of a chase; they ease the pressure of the rollers on the form, prevent over-inking and save rollers from cutting, as they are $\frac{3}{4}$ inch wide on top. Being nickel plated, they will not affect the daintiest ink.

Made for all sizes and makes of platen press chases. When ordering specify style of press and size of chase.



VIRKOTYPE "SIMPLEX" MACHINE



VIRKOTYPE "SIMPLEX" MACHINE

The Virkotype "Simplex" Machine has an improved heater head, aluminum lined, with two 12-inch heating bars delivering more than double the applied heat of previous models despite a reduction in the electric current consumption.

A heat control electric switch gives use of *either one bar* for light work on paper stock or *both bars* on heavier stock. Will process stock $12\frac{1}{2}$ inches wide.

An improved Friction Disc Drive gives variable speed with finger-tip control, permitting any belt speed desired between 65 feet per minute for thin paper stock or 25 feet per minute

for heavy cardboard work. Frame is of heavy cast-iron construction mounted on a five-ply veneer wood base. Take-up adjustment to prevent sagging of steel mesh belt. $\frac{1}{4}$ -horsepower motor with 6-foot extension cord and plug. Because of variation in wiring and fuses of lighting circuits it is essential that only power lines be used.

Overall dimensions: 60 inches by 18 inches; height, 18 inches.

An all-steel stand mounted on casters can be supplied at a small extra charge.

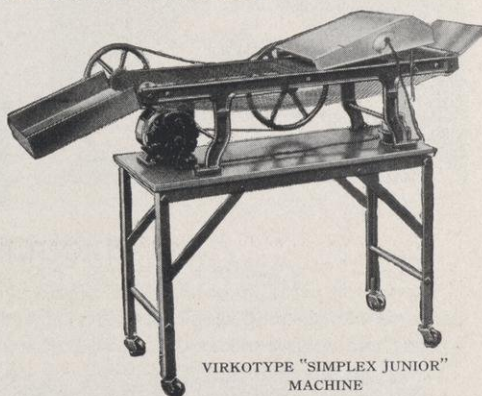
VIRKOTYPE "SIMPLEX JUNIOR" MACHINE

In the "Simplex Junior" Virkotype Machine the user has a low-priced all-electric machine giving the heavy duty performance heretofore available only in the higher priced field.

It has the aluminum lined heater head and contains two Globar Heating Elements. An electric switch controls the use of either one bar or both bars depending upon the thickness of the paper stock. Further variation of heat is obtained by raising or lowering the heater head which is hinged at one end. Will process paper 10 inches wide. Frame of heavy cast-iron construction mounted on five-ply veneer wood base.

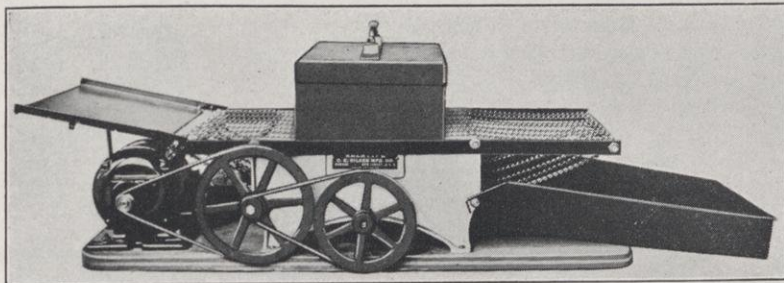
Supplied with an oversized motor and 6-foot extension cord and plug. Like the larger machine this also must be connected to the power line. Overall dimensions: 60 inches long; 15 inches wide; $15\frac{1}{2}$ inches high.

At a slight extra charge an all-steel stand mounted on casters can be supplied.



VIRKOTYPE "SIMPLEX JUNIOR" MACHINE

RA-ZATYPE RAISED LETTER MACHINE

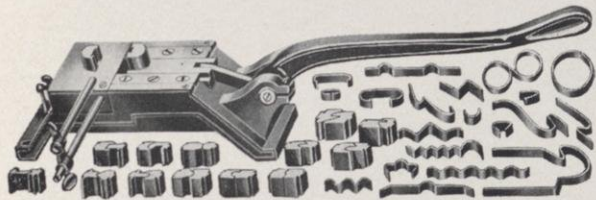


This small, compact, portable machine is presented with a full knowledge of the merits of the product. The Ra-Zatype machine being modern and efficient, is sturdily constructed, substantially made, performs satisfactorily, and may be admirably adapted to the pressroom. The machine is furnished with either an alternating or direct current motor, and may be connected to an electric light socket for instant operation. It will satisfactorily handle 900 letter-heads an hour, or from 1000 to 3000 cards in the same period of time.

HELMOLD'S IMPROVED EUREKA RULE PRESS

BENDS RULE IN A LARGE VARIETY OF SHAPES

Helmold's Improved Eureka Rule Press is designed fundamentally along the lines of the original Eureka Rule Press, with which printers, box makers and novelty manufacturers are familiar. The efficiency and field of usefulness of the Improved Eureka have been greatly in-



HELMOLD'S IMPROVED EUREKA RULE PRESS

creased through several important improvements. Many forms may be made up on the new machine which were impossible on the old model, due to the fact that the table top can now be entirely cleared of obstruction. An adjustable stop has been added, limiting the amount of curve or pressure to be applied,

enabling duplicate bends to be made readily and rapidly. This stop can be instantly set. As symmetry is essential in die making, it is necessary to reproduce perfect duplicates, and for this purpose Helmold's Improved Eureka Rule Press is unequalled. As it is rigidly constructed on the interchangeable plan, using male and female dies which are instantly removable, steel rule may now be formed into an almost unlimited number of shapes.

The equipment accompanying Helmold's Improved Eureka Rule Press includes six pairs of standard dies. No machine will be sold without at least six pairs of standard dies. Special dies can be supplied at reasonable prices.

STEEL COMPOSING RULES



STEEL MAKE-UP RULE



STEEL COMPOSING RULE



LEATHER POCKET RULE CASE

The Leather Pocket Rule Case is well made of strong brown leather. It has patent clasp and contains 12 steel composing rules.

Sizes: 10, 12, 13, 14, 15, 16, 18, 21, 24, 26½, 28 and 30 ems pica

These Steel Composing and Make-up Rules are made from the finest quality tempered steel, highly finished.

PERFECTION RULE SET

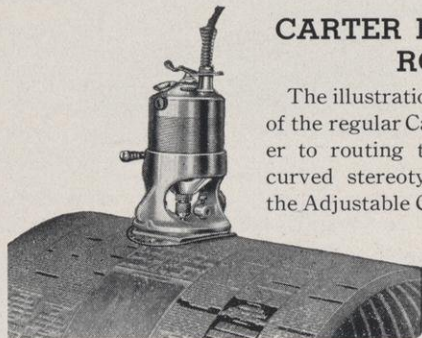
The Perfection Rule Set contains 40 spring tempered steel composing rules, 4 to 45 picas, including half-em measures below 10 picas. Rules are fitted in a handsome case strongly made of polished oak, plush lined and nicely finished.



PERFECTION RULE SET

CARTER PORTABLE R-7 ROUTER

The illustration shows the application of the regular Carter Portable R-7 Router to routing the high spots from a curved stereotype plate by attaching the Adjustable Celluloid Shoe to the plain Router Base. This adjustable celluloid shoe permits either flat or cylindrical routing.



It can be quickly altered from flat to conform to any cylinder with a radius of 5 inches or more.

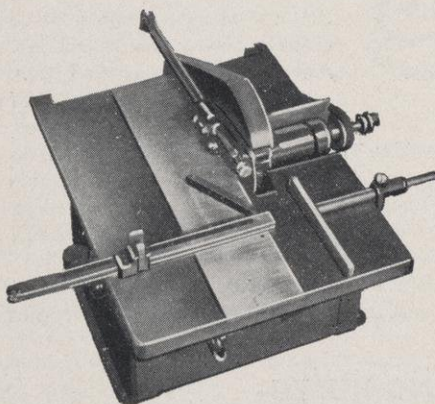
Supplied complete with $\frac{1}{4}$ -horsepower motor, plain router base, and adjustable celluloid shoe.

Weight 4 pounds. When ordering specify the current and the voltage. Router bits are extra.

Write for prices and information on the Carter Portable R-7 Router

AMSCO BENCH SAW TRIMMER

This is a late addition to the Amsco line of saw trimmers. This saw was designed to give to the printer a machine that could be bought at a popular price and still perform practically all of the work that the average printer requires. Before the advent of this saw most machines were equipped with all manner of fancy attachments that were seldom used in most plants.



TOP VIEW OF TABLE SHOWING MITERING ATTACHMENT IN POSITION

These attachments necessarily increased the selling price of the machine to a considerable extent. In putting the Amsco Bench Saw on the market the designers did not overlook the necessity of accurate machining and good material, but the design was arranged in such a way that they were able to cut the cost of manufacture to such a degree that this saw can be sold at a price hitherto impossible for a first-class machine.

Some of the important specifications are as follows: the table is 18x21 inches, allowing for the handling of large pieces. It is equipped with a sliding gauge up to 72 picas, with micrometer attachment for gauging points. A positive, quick-acting workholder, assuring neat and accurate cutting. The table on this Bench Model elevates by hinging at the back. The table is elevated by hand and the adjusting screw thrown into position underneath.

It is well to note that this raising and lowering feature is not found on most other bench model saws on the market. By using the adjusting screw the saw can be set for undercutting or outside mortising to very accurate dimensions. The waste metal is deposited in a large drawer.

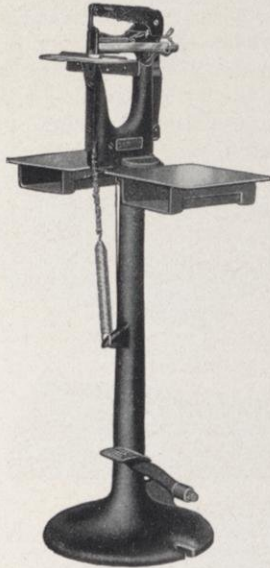
The price includes $\frac{1}{4}$ -horsepower motor, ball-bearing spindle connected to motor by endless belt; two standard saw blades 6 inches in diameter; one trimmer head, block for cutting miters, emery wheel. Extra blades can be had for cutting brass, solid stereotype casts, or wood.

Write for prices and information on Amsco Bench Saw Trimmer

BOSTON STAPLE BINDER

STYLE A, PEDESTAL

The Boston Staple Binder is built to produce a quality of work equal to the highest grade of wire stitching. No adjustment is necessary for different thicknesses, as the stapler is automatic. The work table is quickly shifted from flat to saddle without the use of tools and an extension to the table may be had at a small additional cost. It uses preformed staples furnished in strips of 210 cohered staples ready to be placed in the machine quickly and with little effort. The machine is compact and, having a heavy base, can be rolled around from place to place without fear of its tipping over and causing damage. It can be taken to the work so that it is not necessary to truck large packages or pamphlets to the machine.



THE BOSTON STAPLE BINDER
STYLE A, PEDESTAL

The machine uses two lengths of staple, $\frac{1}{4}$ inch and $\frac{3}{8}$ inch, but each of the same width, $\frac{1}{2}$ inch crown, and is capable of stitching any work from two sheets of paper up to a thickness of a trifle more than $\frac{3}{16}$ inch without having legs butt together.

Stitching done by this machine is particularly good because the staples are of a uniform length and are held flat by movable clinchers, which do not allow staples to hump up in the middle as is the case with solid clinchers on other types of foot-power machines.

The Boston Staple Binder is always ready for use; is practically free from trouble and all parts are accessible for cleaning and oiling. The Boston is made to handle both flat and saddle work by simply removing one bar which acts as a guide. This guide is used in flat work to get a margin on the binding and locate the staple perfectly each time.

On saddle work the table is centered exactly in line with the clinchers so that the staple comes in the center of the signature and gives a neat, smooth appearance. Staples used on the machine are made of No. 25 round tinned bookbinders wire, which measures .020 in thickness, and which is capable of stitching up to the capacity of the machine on heavy, coated stock. These staples look well in thin work and on a single signature.

Speed, simplicity and high-grade work—within its limits—are the features which place the Boston Staple Binder in a class by itself in its field of usefulness.



SHOWING
DRIVER, STAPLE AND
SUPPORTER

ACME STAPLE BINDER No. 1

USES COARSE WIRE STAPLES

The Acme Binder No. 1 frame swings on a pivot and lifts high enough to give ample room for putting in and taking out the work. It holds 100 staples and will not clog. Uses coarse wire staples and binds to $\frac{1}{4}$ inch.

Write for information and prices



SURE-SHOT
BINDER

SURE-SHOT BINDER

IT CANNOT CLOG

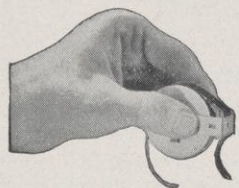
The Sure-Shot Binder is made for office use. It holds 100 staples at a charge, binds to $\frac{1}{4}$ inch book paper, and cannot clog.

Write for information and prices

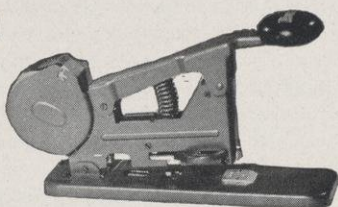


NO. 1 ACME
STAPLE BINDER

BATES STAPLER



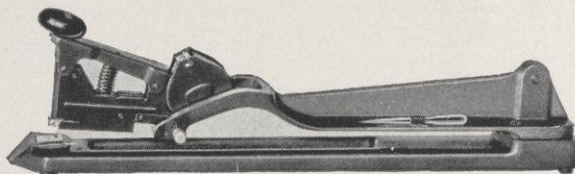
STANDARD
MODEL B



The Bates Stapler is radically different from any other stapler on the market, and has many unusual advantages. It makes its own staples from a continuous roll of rust-proof brass wire—one loading is sufficient for approximately 5000 staples—it will not jam or clog because it is impossible to make two staples at once—it is simple to rethread. Depth of throat approximately 3½ inches. Small efficient staples save space in files—capacity adequate for all ordinary requirements—removable knife for long life—it saves both time and money.

BATES DEEP-THROATED STAPLER

In every printing office, regardless of size, there arises from time to time a necessity for a deep-throated stapler. It may be for attaching envelopes or bags to a card background. Perhaps for fastening a calendar pad to a larger card. The Bates Deep-Throated Stapler solves this problem. The reach or depth of throat is 15 inches. The price includes the machine loaded with 5000 staples.

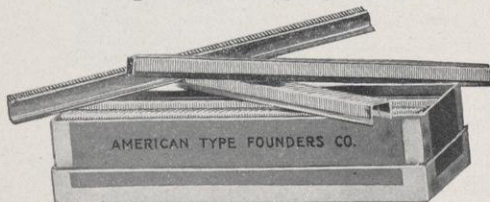


Special staplers for unusual requirements to order.

STAPLES FOR STAPLE BINDERS

FOR THE POPULAR MAKES OF MACHINES

We can supply the trade on short notice with any size and quantity of staples required for the leading makes of stapling machines and staple binders, such as Boston, Acme, Midget, Simplex, Sure-Shot, Allen (Yarger), etc. Our Selling Houses have a very liberal sized stock at all times. Staples are packed in a variety of ways, generally in boxes containing 5000. The price varies according to the quantity purchased. Write us for information and prices, stating at the time the make of the stapler or binder you are using and the quantity of staples desired.



A BOX OF STAPLES

MARBLE INK SLABS

Marble Ink Slabs for the pressroom or for proof presses can be supplied one inch thick in various sizes:

8x12 inches	12x18 inches
10x15 inches	18x24 inches

We handle the product of the best quarries only and guarantee the workmanship to be satisfactory in every way.

Write for information and prices

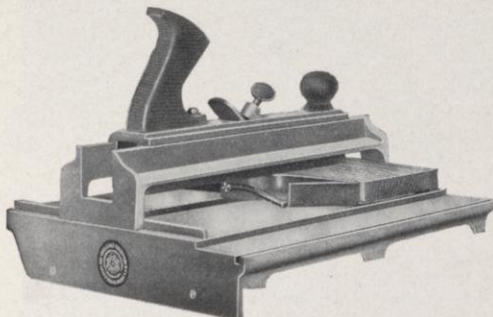
CHALLENGE INK SPADE



A useful accessory for the pressroom. It fills a varied field of usefulness such as cleaning out ink kegs, ink cans, or fountain, or mixing ink. Steel handle, spring steel blade, heavily nickel plated.

HOERNER COMBINATION SHUTE BOARD AND TYPE-HIGH MACHINE

The Hoerner Combination Shute Board and Type-High Machine will reduce cuts to type-high and make them true and even, besides doing many other things that may be asked of it. Is simple, solid and accurately made. All parts except the plane handles are of iron or steel. Interchangeable



HOERNER COMBINATION SHUTE BOARD AND TYPE-HIGH MACHINE

planes, one carrying a knife blade and the other a file, work upon the carriage or guide frame. A block the full width of the machine can be shaved at one locking, as the carriage can be moved from side to side of the bed while operating. It will hold a block up to ten inches in width and of any length. The block is held down to the bed by a novel vise-lock, instantly adjusted by one turn of a small lever. The sliding crossbar, with miter point, can be set at any angle for mitering. The bed can be fastened to table or bench, thus leaving the operator free hands. This position has the added advantage of being convenient as a bench vise for holding

blocks, while attaching or removing plates. Machine is complete with file plane and one knife plane. There are more than fifteen hundred Hoerner Combination Shute Board and Type-High Machines in use in the various printing plants and newspaper offices. Ask for prices.

IRON AND WOOD SIDE AND FOOT STICKS

Iron Side Sticks are made, unless otherwise ordered, 1/4 inch longer than the standard length of form, and Foot Sticks are made 1/4 inch shorter than standard width of form. If larger than 6 point column rules are used, or columns wider than 13 picas, allowance will have to be made.



IRON SIDE AND FOOT STICK

SIZES OF IRON SIDE AND FOOT STICKS
Straight or Beveled. Priced per Inch, any Length

Regular Sizes of Side and Foot Sticks	Length Side Stick	Length Foot Stick	Total Length 2 of Each	Total Length 4 of Each
4 col. folio or quarto	14 1/4 in.	8 3/4 in.	46 in.	92 in.
5 col. folio or quarto	18 1/4 in.	11 in.	58 1/2 in.	117 in.
6 col. folio or quarto	20 1/4 in.	13 1/4 in.	67 in.	134 in.
7 col. folio or quarto	22 1/4 in.	15 1/2 in.	75 1/2 in.	151 in.
8 col. folio or quarto	24 1/4 in.	17 3/4 in.	84 in.	168 in.
9 col. folio or quarto	26 1/4 in.	20 in.	92 1/2 in.	185 in.

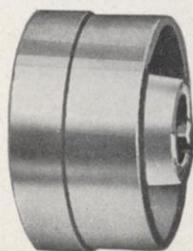
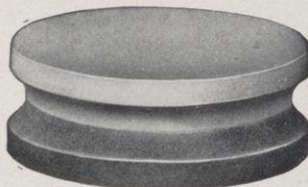
SIZES OF WOOD SIDE STICKS

	Length	Thick End	Thin End
5923A—Extra Thin...	23 3/8 in.	1/2 in.	1/8 in.
5925A—Thin.....	23 3/8 in.	3/4 in.	1/4 in.
5927A—Medium.....	23 3/8 in.	1 1/8 in.	3/4 in.

CARBORUNDUM KNIFE STONE

FOR PAPER CUTTER KNIVES

The Carborundum Knife Stone is 4 inches in diameter and 1 1/2 inches in thickness—a convenient size and shape to be used on paper cutter knives. One side is coarse grit for rough work, and one side fine grit for finishing.



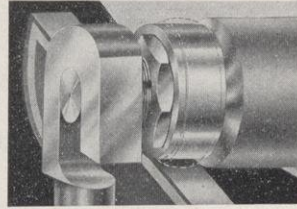
ACME ROLLER TRUCKS

These Roller Trucks can be supplied with either single or double tread. Regularly made of aluminum, but can be furnished of fibre if so ordered, at a slight increase in price. Either material, being softer than the press tracks, will not wear or pound holes in them. Double tread trucks can be reversed to run in either high or low tread as desired—high tread for new rollers or low tread for old rollers. Single tread trucks can be furnished standard, oversize or undersize. Made for all sizes of platen presses.

MORGAN EXPANSION ROLLER TRUCKS

FOR PLATEN PRINTING PRESSES

Morgan Expansion Roller Trucks will prevent the surface of inking rollers from cutting. They are made larger or smaller as required simply by turning a nut which acts upon two steel cones which either expand or contract the rubber tire upon the gudgeon. These trucks prevent rollers from "dragging" over the form, thereby lengthening the life of the rollers.



MORGAN EXPANSION ROLLER TRUCK

MADE FOR THE FOLLOWING PRESSES:

Set of 6—8x12 C. & P. Press
Set of 6—10x15 C. & P. Press

Set of 6—12x18 C. & P. Press
Set of 8—14½x22 C. & P. Press

COMPOSITORS' TWEEZERS

No. 3 COMBINATION BODKIN AND TWEEZER. The Bodkin folds into the Tweezer. 4½ inches long.

No. 5 TWEEZER. The best tweezer at the price; file points; steel; is 4 inches long; nickel plated.



This is the No. 8 Tweezers; 4¾ inches long.



No. 7 TWEEZER. Tempered steel with file-cut points and backs. 4 inches long. Nickel plated.



No. 9 IMPROVED LOCKING TWEEZER. The Improved Locking Tweezer locks and unlocks automatically by holding the points up or down. Nickel plated.

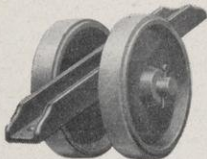
No. 11A TWEEZER. A good cheap tweezer. Made of polished steel; 3½ inches long. Nickel plated.

**SMITH'S AUTO-TWEEZERS**

The Smith Auto-Tweezers operates on the opposite principle from the ordinary tweezers. In its normal position the points are closed. To open pressure is exerted on the upper part of sides. Should more pressure be required than that given by the natural spring of the steel, this can be applied at the lower part. Made of hardened steel, nickel plated and polished.



(ACTUAL SIZE 4¼ INCHES)

**IRON AND RUBBER TIRE FORM TRUCKS**

Furnish a safe, convenient and rapid means of transporting heavy forms.

No. 1, with Iron Tires No. 2, with Rubber Tires

Extra Rubbers and Trucks may be purchased at reasonable prices

RED-LINE TAPE IN ROLLS

Red-line is a superior quality of tape for use in the pressroom and bindery. A cheap tape is dear at any price, for there is nothing more annoying than the breaking of a tape on the press or on any other machine. This invariably happens when one is in a hurry. We have tested many makes of tapes and have concluded that the quality offered is the best. Red-Line Tape has been subjected to rigid tests to meet strain and wear for pressroom and bindery use. These tapes range from $\frac{3}{8}$ inch to 2 inches in width, and are made in rolls 36 yards in length.



RED-LINE TAPE IS FURNISHED IN ROLLS OF 36 YARDS
IN THE FOLLOWING WIDTHS:

$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inches

RUN-EASY TAPE COUPLERS

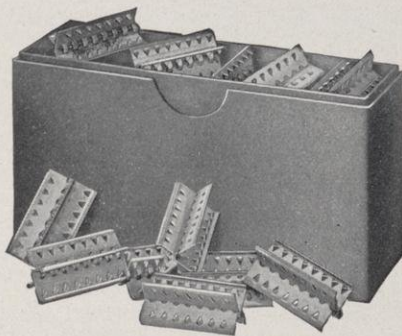
Run Easy Tape Coupler is a positive mechanical device for securely connecting the ends of tape to prevent wear on the jointed parts, and is the most efficient and dependable device for this purpose. Can be put on in a few seconds by using the Smooth Jaw Parallel Pliers made for this purpose. Run-Easy Metallic Tape Couplers are made in the following sizes:

$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$ and $1\frac{1}{4}$ inches

SMOOTH JAW PARALLEL PLIERS



For use with Run-Easy Tape Couplers



RUN-EASY TAPE COUPLERS

SMITH'S "XOLMINT" TYPE AND CUT WASH

NON-INFLAMMABLE—WILL NOT IGNITE

The advantages which are to be derived from the use of "Xolmint" Type and Cut Wash are almost too numerous to mention. It is non-inflammable, reduces fire hazard, lowers insurance rates, has no toxic effect, and is non-injurious to the hands.

"Xolmint" Type and Cut Wash will remove and clean hard and accumulated ink and verdigris from type, halftone cuts, electros, patent bases, wood type, rollers, fountains, presses, etc.

Halftone cuts or electrotypes that have been standing for years uncleaned can be made as clean in every respect as they were when first used. Accumulated ink in the high lights and vignettes no matter how fine the screen, which are almost impossible to clean by any other method, readily succumb to "Xolmint" Type and Cut Wash.

With little delay, when running on work of any character where type or cuts are filling up, the press can be stopped to clean the form properly with "Xolmint" Type and Cut Wash since it dries very readily.

Another great merit not to be overlooked is that in warm weather, when rollers have a tendency to burst, or soften when running at high speed, it will help greatly to wash them off with "Xolmint" Type and Cut Wash and thus lessen the chance of warming up.

This product is listed and carries the label of the Underwriters' Laboratories, established and maintained by the National Board of Fire Underwriters.

Put up in quarts, one gallon, and drum containers.



SMITH'S "SOLVOL" TYPE WASH

Quickly and thoroughly removes dirt, verdigris and hardened ink from halftones, engravings, electrotypes, zinc etchings, type, slugs, patent bases, press rollers, fountains or any surface where ink accumulates and oxidizes. Solvol is unequalled for the rapid and efficient removal of ink and other accumulations from high lights and vignettes on fine screen halftones, thus bringing out the full printing values of the plate. It is ideal for use on all work which has a tendency to fill up in the press run, since practically no time is required for drying. It is only necessary to apply Solvol and continue running immediately with a clean form. Quickly removes lint and all foreign substances from rollers. Hundreds of printers use it daily in preference to any other cleaning compound. Solvol works so rapidly that it is a real time-saver in pressrooms and composing rooms. Even halftones and electrotypes that have been standing for a long time can be cleaned thoroughly with Solvol.



Solvol does not contain ether, chloroform, alkali or acid. It is always ready for use, is not affected by climatic or temperature changes, will not corrode, and does not injure the hands. May be employed safely in cleaning wood type or furniture. It does not warp or swell wood surfaces. Sold in gallon cans, case lots (12 gallons), and drums (52 gallons).

BRASS AND COPPER THIN SPACES

For use only as justifiers and not for lining up type lines.

Font No. 1— $\frac{1}{2}$ -point Copper, sizes 6, 8, 10, 12, 14, 16, 18, 20, 24, 30, 36, 42, 48, 54, 60 and 72-points, 16 oz. Supplied with or without case No. 3195.

Font No. 2—1-point Brass spaces, cut 6, 8, 10, 12, 14, 16, 18, 20, 24, 30, 36, 42, 48, 54, 60 and 72 points, 16 oz. Supplied with or without case No. 3195.

Font No. 3—Same sizes as Nos. 1 and 2, but containing half each of $\frac{1}{2}$ -point Copper and 1-point Brass spaces, 16 oz. Supplied with or without case No. 3195.

Font No. 4—Contains 2 oz. each 12, 18, 24, 36 and 48-point $\frac{1}{2}$ -point Copper thin spaces, 10 oz.

Font No. 5—Contains 2 oz. each 1-point Brass spaces, same sizes as font No. 4, 10 oz.

Font No. 6—Contains $\frac{1}{2}$ -point Copper and 1-point Brass spaces, same sizes as fonts 4 and 5, 10 oz.

Font No. 7—Contains 2 oz. each 6, 8, 10, 12 and 18-point $\frac{1}{2}$ -point Copper thin spaces, 10 oz.

in 2 oz. packages of any size. Can also be purchased in 48-inch strips.

Regular stock is $\frac{3}{4}$ -inch high. Can be furnished $\frac{7}{8}$ -inch high at the same prices on special order.

No. 20 American Thin Spaces

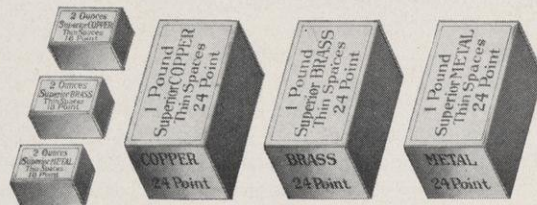
Include a five pound assortment of $\frac{1}{2}$ -point Copper and 1-point Brass Thin Spaces and also 2-point Metal Spaces, put up in the following proportions:

No. 20A Half-Point Copper Thin Spaces

Include two ounces each cut 6, 12, 18, 24, 36 and 48-point sizes. One ounce each cut 8, 10, 60 and 72-point sizes. Assortment weighs one pound. (Order as No. 20A.)

No. 20B One-Point Brass Thin Spaces

Include two ounces each cut 6, 12, 18, 24, 36 and 48-point sizes. One ounce each cut 8, 10, 60 and 72-point sizes. Assortment weighs one pound. (Order as No. 20B.)



Font No. 8—Contains 2 oz. each 6, 8, 10, 12 and 18-point 1-point Brass thin spaces, 10 oz.

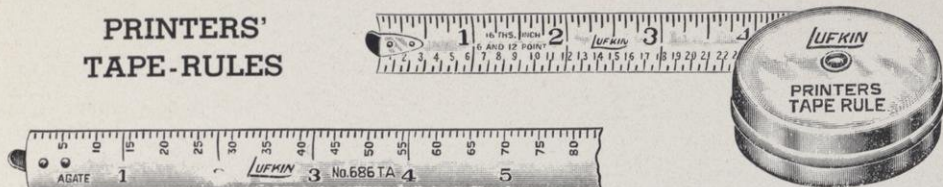
Also sold in bulk in all sizes— $\frac{1}{2}$ -point Copper and 1-point Brass—but order must be for one pound or over of one size of either to obtain pound prices. Smaller quantities sold only

No. 20C Two-Point Metal Spaces

Include ten ounces each 18, 24, 36 and 48 point sizes. Also 8 ounces cut 60-points. Weight, 3 pounds. (Order as No. 20C.)

That these Thin Spaces may be readily distinguished the $\frac{1}{2}$ -point are made of Copper and the 1-point are made of Brass.

PRINTERS' TAPE-RULES



MANUALLY OPERATED, $\frac{5}{8}$ -INCH WIDE BLADE. CARRY INCHES, AGATE, PICA AND NONPAREIL GRADUATIONS.

These Flexible-Rigid Steel Tape-Rules serve more purposes than any other measure ever designed for printers, advertising men, etc. The 72 inch steel blade is stiffened by concave forming so it can be projected unsupported like a rule yet it will also flex to accurately measure cylindrical forms, around corners and other irregular spaces.

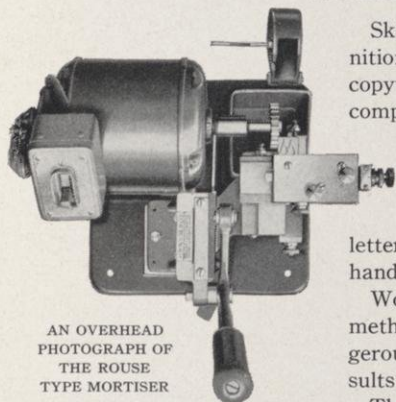
These Tape-Rules carry, in addition to 72 standard inches by 16ths, pica and nonpareil measurement up to 433½ picas, and agate measure up to 36 inches or 504 agate lines. Therefore, they are ideal for the many uses of the printer, printing and paper salesmen, advertising and newspaper men and many others. They show the variation between six picas and a standard inch. Over common type rules or gauges they have this further advantage, they coil into a case but two inches in diameter and so can conveniently be carried in the pocket.

Blade is nickel plated and has prominent dark lines and figures; easy to read. It has solid hook first end, very handy when measuring type, etc., and almost indispensable when measuring beyond arm's reach. Sturdy metal case is nickel plated and fully encloses the blade, thus excluding dirt. Blade operates smoothly in and out of case and because of balanced case construction, remains set at any length withdrawn, does not spring back into case.

No. 686T marked concave side, upper edge 72 inches by 16ths, lower edge 6 and 12-point type measure, i. e., nonpareil and pica, up to 433½ picas.

No. 686TA marked convex side, 36 inches by inches and agate measure to 504 agate lines (14 lines to the inch). Marked concave side same as No. 686T, 72 inches by 16ths, pica and nonpareil. Packed in individual box.

ROUSE TYPE MORTISER



AN OVERHEAD
PHOTOGRAPH OF
THE ROUSE
TYPE MORTISER



TYPE "BEFORE AND
AFTER" MATCHING ON THE
ROUSE TYPE MORTISER.
NOTE PERFECT SPACING AND
EXACT JUSTIFICATION.

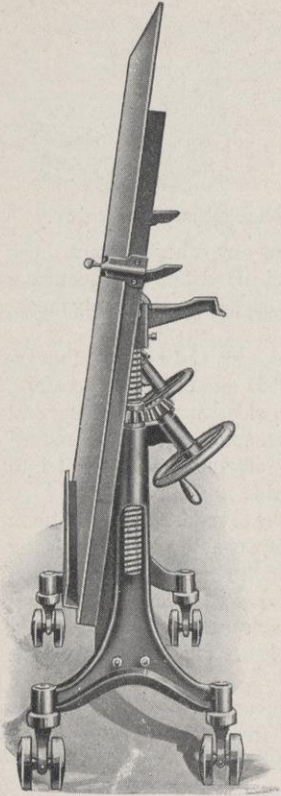
Skilled typography finds increasing demand and ready recognition the country over; when printer, advertising agency and copywriter strive for unusual and distinctive effects in hand composition, active interest will be excited by the perfection of the Rouse Type Mortiser.

The typographer who looks critically to spacing and justification has had to rely on saw, miterer or file—the only means at his command—to mortise and shave initial letters and fit letter combinations to perfect the appearance of hand-set type.

Working with equipment designed for other purposes, those methods at their best were inaccurate, laborious and even dangerous; poor justification, pi, type spoilage and indifferent results often followed.

There is in scores of ad shops and composing rooms of superior type an urgent need for a machine designed specifically to mortise type; a machine that would do quickly, accurately and safely what the typographer has been able to accomplish only with serious difficulty and unsatisfactory results.

This motor driven Rouse Type Mortiser, made in both bench and pedestal models, mortises type faces from 10 to 72-point with interlocking right angles to exact points. With it letters can be matched on left, right or both sides to exact precision by a simple, instant point adjustment.



MASHEK FORM TRUCK No. 13482

An Elevating form truck with easy height adjustment from 35 to 46 inches. Can be tilted to a nearly vertical position. All gears operate smoothly, and with only slight friction. Requires very little space back of a press to transfer the form from truck to press bed. When the form is placed on this truck, the top can be tilted to the position shown in the illustration, and rolled through a 24 inch opening. Its operation is not interfered with in any way where an automatic feeder is attached to the press.

Made in nine different sizes. The range in size covers practically all makes and sizes of cylinder presses.

AMERICAN BOOKBINDERS' STEEL WIRE

THE QUALITY WIRE FOR STITCHING MACHINES

The quality of the wire used on the various stitching machines has much to do with the success of the operation. American Bookbinders' Steel Wire is made especially for us and it is the most satisfactory wire on the market. It may be obtained wound on wooden or steel spools, or may be had in coils to be used on the new Prentiss Spools illustrated and described below. The net weight of the wire on wooden spools is five pounds. A charge is made for the spool, which is rebated when the spools are returned to us in good condition, carriage prepaid. Wire in coils weighs five pounds net, and is to be used in conjunction with the Prentiss Metal Spool.

By using wire in coils you pay for nothing but the wire itself.

If your stitching machines are equipped with Prentiss Spools, the ultimate cost of your wire will be considerably reduced. The Selling Houses of the American Type Founders Sales Corporation carry an adequate stock of bookbinders' wire in all sizes of rounds and flats, and will be pleased to quote lowest market prices on any quantity ordered.

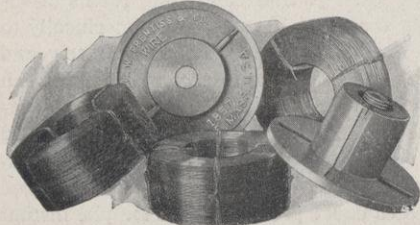
PRENTISS METAL SPOOLS FOR COILS

INSURE AGAINST UNNECESSARY WASTE

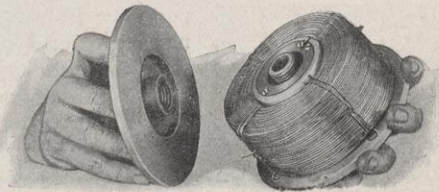
The Prentiss Metal Spool solves the problem. It is adaptable for all sizes of round and flat wire. The recessed head, which is a patented feature, overcomes the greatest trouble experienced by the users of stitching wire. The coil is so firmly compressed there is no chance for the strands to draw down between the coil and the heads. It fits on the stitching machine the same as a wooden spool and requires no tools; so simple the operator can handle as readily as a wooden spool. Prentiss Metal Spools are sold at reasonable prices.

Model E, Patent Aluminum Spool for 5 lb. coils

Model K, Patent Coppered Steel Spool for 5 lb. coils



THE PRENTISS' SPOOL IS VERY SIMPLE



PLACE THE COIL ON THE SPOOL AND
SCREW ON THE HEAD

MAIL ORDER FORMS

Use these special envelopes for mail orders. No postage required. Mail Orders receive immediate attention. Your salesman gets credit.



These order forms are made so that checks or money orders may safely be enclosed.

AMERICAN TYPE FOUNDERS
SALES CORPORATION

BRANCHES AND SELLING AGENTS IN 25 PRINCIPAL CITIES

WORCO ENVELOPE-BLANK
REGISTERED IN U.S. PATENT OFFICE
THE WORKMAN F. B. CO.
CHICAGO
NEW YORK

BRANCHES CARRY
LINE OF
MERCHANDISE



THE
ROOM

TWEEZERS
LEAD CUTTERS
FURNITURE
QUAD PLATE BASE
PLANERS
TYPE GAUGES
MITERING MACHINES

THE
ROOM

PERFORATORS
NUMBERING MACHINES
TAPE
OILY WASTE CANS
TYMPAN
ROLLER TRUCKS
INK



RS SALES CORPORATION

Postage
Will be Paid
by
Addressee

No
Postage Stamp
Necessary
If Mailed in the
United States

BUSINESS REPLY ENVELOPE

First Class Permit No. 1268, Sec. 510 P. L. & R., Pittsburgh, Pa.

AMERICAN TYPE FOUNDERS SALES CORPORATION

405 PENN AVENUE,

PITTSBURGH, PA.



Before sealing be sure your name
and address are written plainly
on the other side of this blank

IMPORTANT

TWENTY-THREE

A COMPLETE
MISCELLANEOUS



FOR
COMPOSING

BELLOWS
BENZINE CANS
BRUSHES
COMPOSING STICKS
GALLEYS
CLEANING FLUIDS
MALLETs

FOR
PRESS

BLANKETS
FORM TRUCKS
CHASES
GAUGE PINS
COUNTERS
INK KNIVES
PASTE



AMERICAN TYPE FOUNDE

