

Section D
of TELEPHONE EQUIPMENT
& SUPPLIES CATALOG
ISSUED NOVEMBER 1974

TOOLS

WANT RED CARPET SERVICE?
Order items with "S" numbers! Items with ordering numbers having an "S" prefix are normally carried in stock at our warehouses. Hence, you can expect faster delivery on them. "S" stands for stock. It also stands for speed.

GTE AUTOMATIC ELECTRIC

NORTHLAKE, ILLINOIS 60164 / TELEPHONE (312) 562-7100

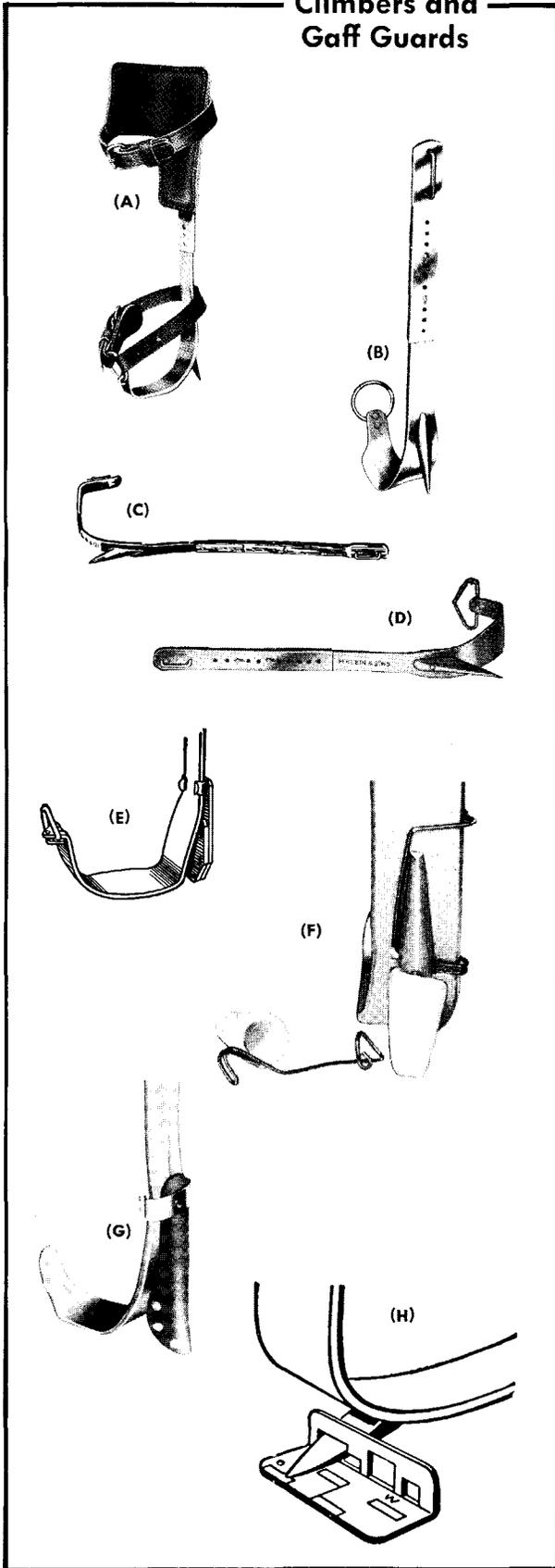
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Climbers and Gaff Guards



(A) Brooks Universal Size Climbers

Gaffs are interchangeable with either 1½ or 2-inch points to meet any climbing conditions.

- S-571952** Climber with 1½-inch gaffs, straps and pads. Weight, 3¼ lbs. . . . per pair **\$42.00**
- S-573996** 1½-inch gaffs only. Weight, ½ lb. . . . per pair **9.35**
- S-573997** 2-inch gaffs only. Weight, ½ lb. . . per pair **9.35**
- S-578366** Set of straps and pads. Weight, 1½ lbs. . . . per set **11.09**

(B) Klein Pole Master Climbers

Gaff and leg iron are one-piece construction, permitting adjusting climber from 15 to 19 inches. Leg iron is attached to shank by means of steel fastening bracket and secured with cotter pins. Pole climbers have 3½-in. gaffs, outside measurement.

- S-571954** Climbers without straps and pads, matched pairs, triangular strap ring at ankle. Wt. per pair, 3¼ lbs. . . . per pair **\$19.58**
- S-571955** Climber assembly with straps and pads, triangular strap rings. Wt. per pair, 3¾ lbs. . . . per pair **32.72**
- 571961** Climbers only. Without straps and pads. With riveted ankle strap loop. Wt. per pair, 3¼ lbs. . . . per pair **15.02**

(C) Klein Standard Climbers

- S-571960** Climbers without straps and pads, riveted strap loops. Wt. per pair, 3¾ lbs. . . . per pair **\$19.25**

(D) Klein Climbers With Replaceable Gaff and Triangular Ring at Ankle

Gaffs are 1⅝ inches long, measured on underside. Climbers are adjustable from 14½ to 19 inches measured from the instep to the top of the slide. Made in matched pairs, right and left.

- S-571962** Type 1972-AR Climbers without straps and pads. Weight per pair, 3½ pounds. . . . per pair **\$21.73**
- S-571963** Type C1972-AR Climber Assembly with straps and pads. Weight per pair, 4 pounds. . . . per pair **34.87**
- S-573994** Type 72 Replacement Gaffs with lock screw and wrench, for Type 1972-AR and Type C1972-AR Climbers. Wt. per pair, ½ lb. . . . per pair **7.96**
- S-573995** Type 59 Replacement Gaffs, same as above, but for old Type 1959 Climbers. . . . per pair **7.64**

(E) Gaff Guards

- S-574485** Weight per dozen pair, 2 pounds. . . . each **\$1.22**

(F) Plastic-Coated Gaff Guards

- S-574486** Plastic coated spring steel. Designed to fit all Buckingham and Klein climbers. . . . each **\$1.49**

(G) Leather Gaff Guards

- S-574485** Leather Gaff Guard snaps firmly onto climber with a stainless steel spring clip. . . . each **\$1.22**

(H) Gaff Gauges

- S-574010** Weight per dozen, 1¾ pounds. . . . each **\$1.05**

Prices are subject to change without notice.

Climber Straps

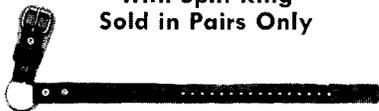
Set of Two



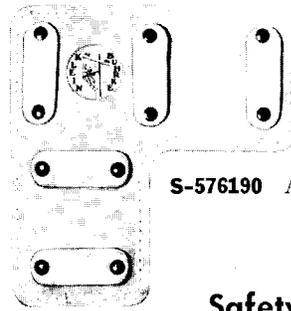
- S-578363** Leather; 1x22 in. Weight per dozen pairs, 6 pounds per pair **\$2.52**
- S-578362** Leather; 1¼x22 in. Weight per dozen pairs, 8 pounds per pair **3.44**
- S-578364** Leather; 1x26 in. Weight per dozen pairs, 8 pounds per pair **2.75**
- S-578373** Nylon; 1x22 in. Weight per dozen pairs, 5 pounds per pair **3.52**
- S-578372** Nylon; 1x26 in. Weight per dozen pairs, 6 pounds per pair **3.97**

Leather Ankle Straps

With Split Ring
Sold in Pairs Only



- S-578359** 1x26 in. Weight per dozen pairs, 8½ pounds per pair **\$3.72**
- S-578358** 1¼x26 in. Weight per dozen pairs, 10 pounds per pair **4.27**



Climber Pads

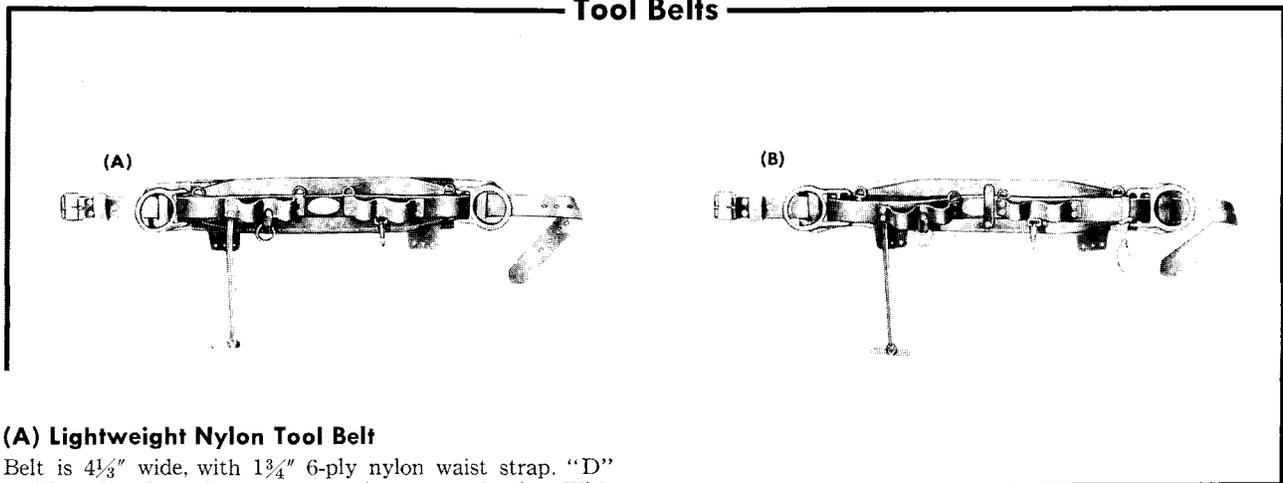
- S-576190** Angle shape. Latigo leather. Padded. 8x8 in. Weight per dozen pairs, 12 pounds. per pair **\$6.90**

Safety Straps



- S-578376** Klein-Kord Nylon (red center). 1¼ in. x 5 ft. 8 in. Weight per dozen, 34 pounds. each **\$20.16**
- S-578384** Klein-Kord Nylon. 1¼ in. x 7 ft. Weight per dozen, 36 lbs. each **22.52**
- 578381** Leather. 2 in. x 5 ft. 1½ in. Weight per dozen, 39 pounds. each **18.89**
- 578380** Leather. 2 in. x 5 ft. 10 in. Weight per dozen, 41 pounds. each **18.89**

Tool Belts



(A) Lightweight Nylon Tool Belt

Belt is 4½" wide, with 1¼" 6-ply nylon waist strap. "D" saddle and pocket tabs are neoprene-impregnated nylon. With leather tool loops and cushion. No exposed rivets on body side of belt. "D" rings and waist strap buckle are drop-forged. Accessories included: glove bag ring, 2-way knife snap, 2 pocket tabs, 4 suspension "D" rings, tape thong. Specify "D" to "D" length. Wt., approx. 4¼ lbs.

- 5268-N** each **\$33.82**

(B) Nylon Leather Floating Tool Belts

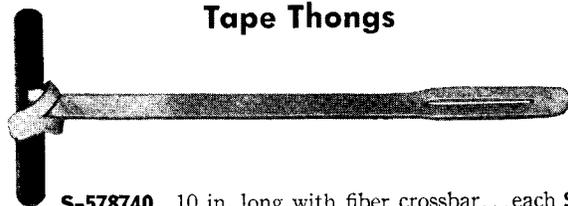
The strength of nylon and the comfort of leather. Accessories included: Glove bag ring, knife snap, two pocket tabs, four "D" rings, hand line carrier and tape thong. Width of belt, 5". Weight, 4¾ lbs.

- S-570339** Size, 19" each **\$36.69**
- S-570340** Size, 20" each **36.69**
- S-570341** Size, 21" each **36.69**
- S-570342** Size, 22" each **36.69**
- S-570343** Size, 23" each **36.69**
- S-570344** Size, 24" each **36.69**

Waist Belts

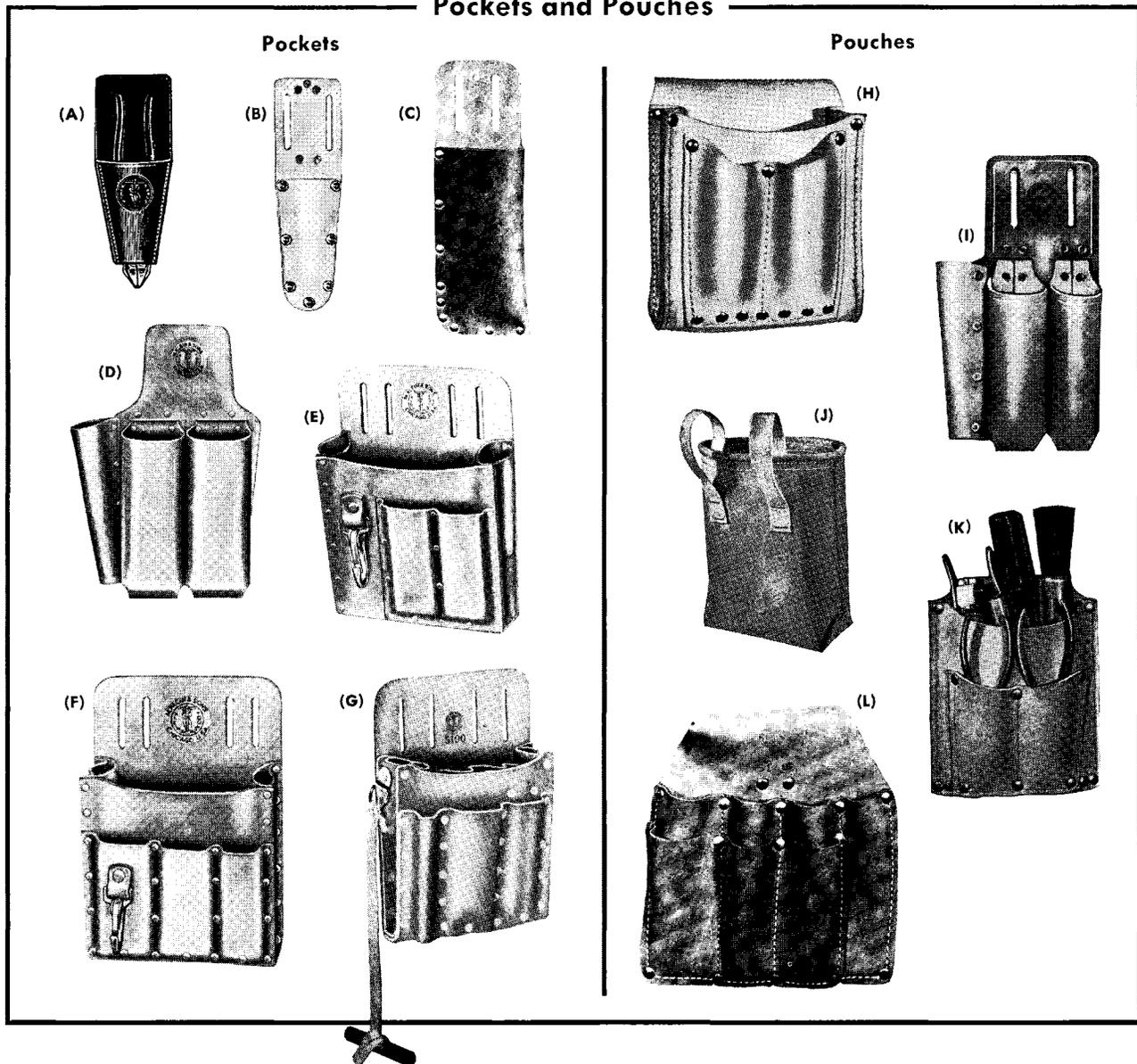
- S-570345** Weight per dozen, 3¾ lbs. each **\$2.24**

Tape Thongs



- S-578740** 10 in. long with fiber crossbar. . . each **\$5.52**

Pockets and Pouches



(A) Single Plier Pocket
S-576780 Single Plier Pocket. Leather. 3½x8½ in. Weight per dozen, 3 pounds. . . . each **\$1.61**

(B) Electricians' Scissors Pocket
S-576785 Electricians' Scissors Pocket. Leather. Weight per dozen, 1½ pounds. . . . each **\$1.57**

Leather Electricians' Pockets

- (C) S-576779** For skinning knife. 4x9 in. Wt. per doz., 8 lbs. each **\$2.75**
- (D) S-576791** 6½x8¾ in. Wt. per doz., 8 lbs. each **5.13**
- (E) S-576792** 8¾x6 in. Wt. per doz., 8 lbs. each **5.48**
- (F) S-576788** 6½x8½ in. Wt. per doz., 7½ lbs. each **5.34**
- (G) S-577004** 7x10 in. Wt. per doz., 8 lbs. each **6.06**

(H) Installers' Tool Pouch
S-577005 4x5 in. Weight per dozen, 4½ pounds. each **\$6.27**

(I) Linemen's Tool Pouch
S-576787 Leather. Specify with or without knife snap. each **\$6.04**

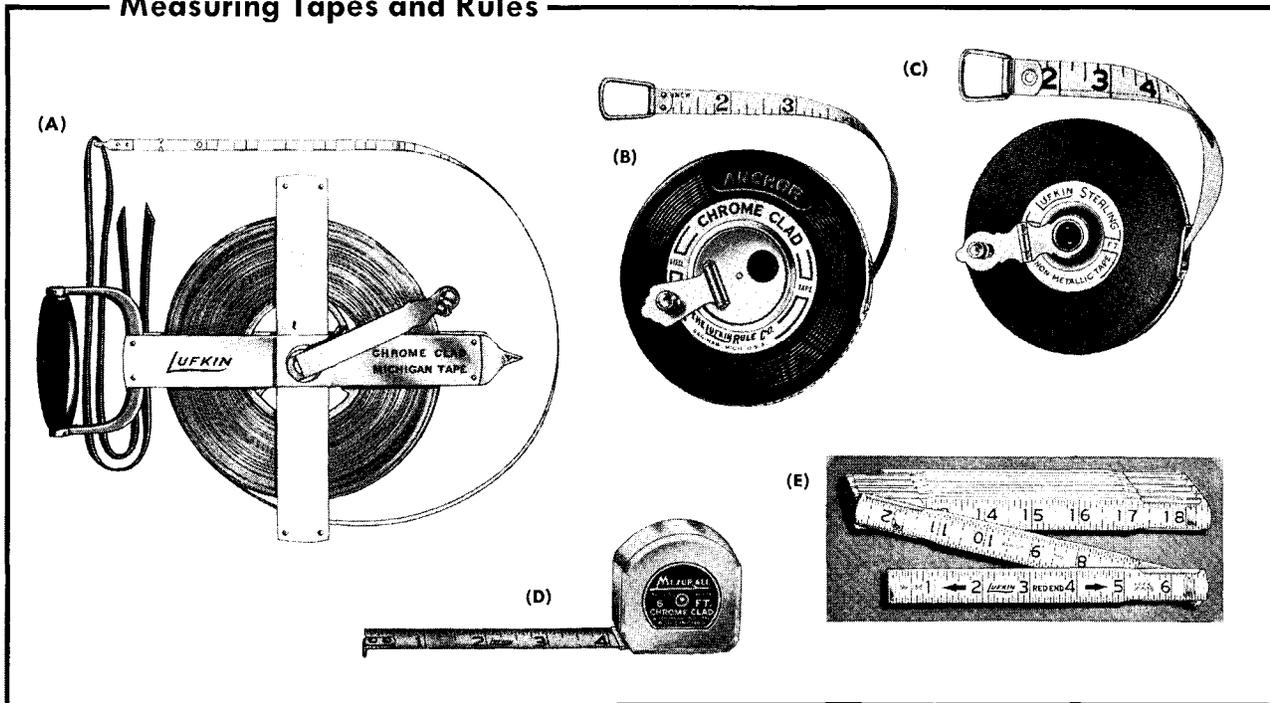
(J) Linemen's Pouch
S-577001 Canvas. 7x9 in. Weight, ⅝ pound. . . . each **\$3.19**

Tool Pouches

- (K) S-577007** 6x7". Leather. Weight per dozen, 3¾ pounds. each **\$5.81**
- (L) S-577006** 8x9". Leather. Weight per dozen, 6¾ pounds. each **8.29**

Prices are subject to change without notice.

Measuring Tapes and Rules



(A) Chromed Steel Chain Tapes

Graduated in feet and tenths. Width, $\frac{5}{16}$ inch. Supplied with two leather tongs. Weight, tape and reel, 9 pounds.

- S-578565 Reel for 300-ft. tape..... each **\$29.08**
- S-578566 Refill Tape only. 300 feet. Weight, $5\frac{1}{4}$ pounds..... each **56.96**
- S-575530 Steel Tape Repair Kits. $\frac{5}{16} \times 1$ inch. Twelve splices per box..... per box **1.94**

(B) Chrome Clad Steel Tapes

Marked in feet, inches and eighths. $\frac{3}{8}$ inch wide. Flush folding handle.

- S-578578 50-ft. length. Weight per dozen, 11 pounds..... each **\$12.42**
- S-578579 100-ft. length. Weight per dozen, 19 pounds..... each **20.58**

(C) Linen Tapes

Marked in feet and inches. $\frac{5}{8}$ inch wide. Flush folding handle. No metallic warp.

- S-578581 50-ft. length. Weight per dozen, 9 pounds..... each **\$12.25**
- S-578582 100-ft. length. Weight per dozen, 17 pounds..... each **20.05**
- 578583 Refill. 100-ft. length. Weight per dozen, $7\frac{1}{2}$ pounds..... each **14.01**

(D) Chrome Clad Steel Tape Rules

- S-578580 $\frac{1}{2} \times 72$ in. Weight, 3 ounces..... each **\$2.52**

(E) Spring Joint Rules

Marked consecutive inches to sixteenths, both edges of both sides.

- S-577530 6-ft. length. Weight per dozen, $3\frac{1}{2}$ pounds..... each **\$2.28**

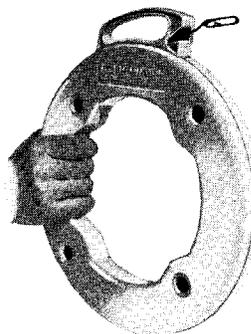
Fish Tape Reels and Wire

Without Winders

- S-578571 Coil of wire only. 100-ft. length. $\frac{1}{8} \times \frac{1}{16}$ in. Weight, 3 lbs..... each **\$6.08**
- S-578577 Coil of wire only. 100-ft. length. $\frac{1}{4} \times \frac{1}{16}$ in. Weight, $5\frac{1}{2}$ lbs..... each **9.56**
- S-578575 Coil of wire only. 200-ft. length. $\frac{1}{8} \times \frac{1}{16}$ in. Weight, $5\frac{1}{2}$ lbs..... each **11.76**

Fish Tape Reels and Wire

With Tape Winders

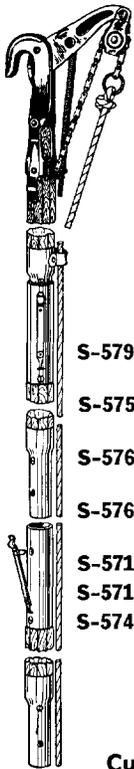


Durable, lightweight plastic reel. Flat steel tape. Large grips and smooth rounded edges for easy pulling. Temperature range from -40 degrees F. to +222 degrees F. Diameter, 12 inches.

- S-578568 100-ft. length. $\frac{1}{8} \times \frac{1}{16}$ in. Weight, 4 pounds..... each **\$14.90**
- S-578573 100-ft. length. $\frac{1}{4} \times \frac{1}{16}$ in. Weight, $6\frac{1}{2}$ pounds..... each **20.38**
- S-578569 200-ft. length. $\frac{1}{8} \times \frac{1}{16}$ in. Weight, $6\frac{1}{2}$ pounds..... each **20.38**

Fish Tape Leaders

- S-578540 $12\frac{7}{8}$ in. long with metal eye. Fasten with solder furnished..... each **\$1.75**



Tree Trimming Tools

Tree Pruners and Guards

Complete trimmer consists of pruner head with rope, one 6-foot head section and two 6-foot extension sections.

For Light Duty

Cuts Limbs up to 1-Inch Diameter

- S-579041** Complete Pruner, 18 ft. long. Wt., 10 lbs. each **\$18.38**
- S-575051** Pruner Head only. Wt., 1½ lbs. each **6.25**
- S-576867** Pole, Head Section. 1¼ in. x 6 ft. Wt., 1¼ lbs. each **3.68**
- S-576861** Pole, Extension Section. 1¼ in. x 6 ft. Wt., 2 lbs. each **4.70**
- S-571011** Cutting Blade. Wt., ½ lb. each **.59**
- S-571711** Chain. Wt., ½ lb. each **1.10**
- S-574525** Leather Guard. each **3.68**

For Heavy Duty

Cuts Limbs up to 1½-Inch Diameter

- S-579042** Complete Pruner, 18 ft. long. Wt., 19 lbs. each **\$30.87**
- S-575052** Pruner Head only. Wt., 4 lbs. each **10.66**
- S-576868** Pole, Head Section. 1¾ in. x 6 ft. Wt., 4 lbs. each **4.96**
- S-576866** Pole, Tapered Head Section. 6 ft. long. For Pruning Saw S-575049 when used with Heavy Duty Pruner. Wt., 3 lbs. each **6.17**
- S-576862** Pole, Extension Section. 1¾ in. x 6 ft. Wt., 5 lbs. each **6.98**
- S-576860** Pole, Tapered Extension Section. 6 ft. long. For Wire Raising Tool S-578920 when used with Heavy Duty Pruner. Wt., 4 lbs. each **7.35**
- S-571012** Cutting Blade. Wt., ½ lb. each **1.65**
- S-571712** Chain. Wt., ½ lb. each **1.47**
- S-574526** Leather Guard. each **4.27**

Fiberglass Pruner Poles

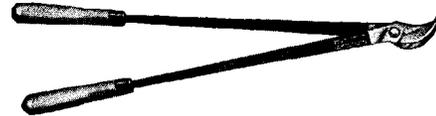
- 576943** 3-ft. section, 1⅝" diam. each **\$10.75**
- 576944** 6-ft. section, 1⅝" diam. each **14.75**
- 576945** Set of one 3-ft. section and three 6-ft. sections. per set **49.50**

Pruner Head Adapters

Cast aluminum. Attaches cutter head securely to fiberglass pole.

- 570006** Pruner Head Adapter for attachment of #11 Smith cutter head. each **\$4.10**
- 570007** Pruner Head Adapter for attachment of #12 Smith cutter head. each **4.10**

Lopping Shears



- S-577135** Overall length, 30 inches. Weight, 3 pounds. each **\$5.74**
- S-579043** Heavy-Duty Fiberglass Tree Trimmer. Length, 18 ft. Cutting capacity, 1 in. Consists of three 6-ft. pole sections, one #11 pruner head, one #11 adapter and 18 ft. of polypropelene rope. Weight, 10 lbs. each **55.15**

Pike Poles

With Guard



- 576875** 10-ft. one-piece Pike Pole. each **\$16.81**
- 576874** 14-ft. one-piece Pike Pole. each **19.99**
- 576878** 18-ft. one-piece Pike Pole. each **31.12**
- 576879** 12-ft. sectional Pike Pole. each **18.13**



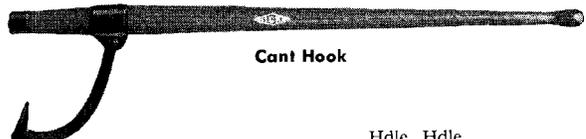
Standard Straight Handle—2-In. Diameter

- 576892** With Guard. Length, 12 ft. Wt., 10 lbs. each **\$16.90**
- S-576894** With Guard. Length, 14 ft. Wt., 12 lbs. each **19.05**

Hooks



Lug Hook



Cant Hook

Ordering No.	Description	Hdle. Diam. In.	Hdle. Lgth. Ft.	Wt. Lbs.	Price Each
575254	Lug Hook	2½	4½	8	\$14.65
S-575252	Cant Hook	2½	4½	8	15.95



Wire Raising Tools

- S-578920** Wt., 1¼ lbs. each **\$4.55**
- S-576861** Light Duty Pole Extension. 1¼ in. x 6 ft. Wt., 2 lbs. each **4.70**
- S-576860** Heavy Duty Tapered Pole Extension. Use with Heavy Duty Tree Pruner. 6 ft. Wt., 4 lbs. each **7.35**

Prices are subject to change without notice.

Heavy Shoe Tamping Bars



White ash handle tapered at lower end. Extra heavy one-piece shoe. Tamping face, 1½x3½ inches.

S-570189 1½ in. x 8 ft. Wt., 12 lbs.....each **\$17.60**

Curved Head Tamping Bars



Tamping face, 7x1½ inches.

S-570188 1½ in. x 8 ft. Wt., 12½ lbs.....each **\$18.80**

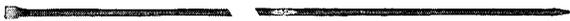
S-574977 Replacement Handle. 1½ in. x 8 ft. Wt., 3½ lbs.....each **8.45**

Expanding and Tamping Bars



S-570184 Length, 10 ft. Wt., 21 lbs.....each **\$41.35**

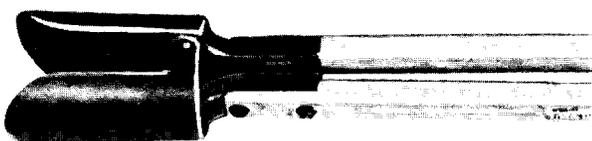
Octagon Crow and Digging Bars



Double beveled cutting blade; pointed on other end.

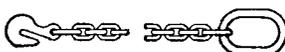
S-570180 1 in. x 8 ft. Wt., 23 lbs.....each **\$21.40**

Post Hole Diggers



S-572702 Solid handle type. Overall length, 8 ft. Wt. 13 lbs.....each **\$23.18**

Sling Chain



S-578065 Steel size, 5/16 in. Length, 52 in. Weight, 6 lbs.....each **\$7.69**

Log Chain



Ordering No.	Steel Size In.	Inside Dimen. Links In.	Lgth. Ft.	Wt. Lbs.	Price Each
S-571684	5/16	1½x1½	14	16	\$10.73
S-571685	3/8	1½x5/8	14	23	15.70

Bolt Cutters



For General Cutting

For Heavy Cutting

Up to Brinell 400 and Rockwell C42 Hardness

S-572545 24-in. length. Wt., 5¼ lbs.....each **\$17.34**
S-572547 36-in. length. Wt., 12¾ lbs.....each **26.68**

Tabbing Shears

S-577838 Type B Shears.....each **\$9.60**

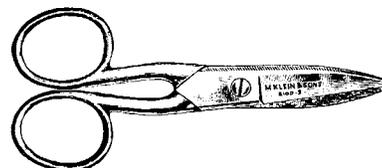
Lead Sheathed Cable Cutters



Ordering No.	Max. Diam. Cable, In.	Approx. Lgth., In.	Wt. Lbs.	Price Each
S-572551	1	23½	5¼	\$26.68
S-572550	2¼	37	10¾	32.02

Electricians' Scissors

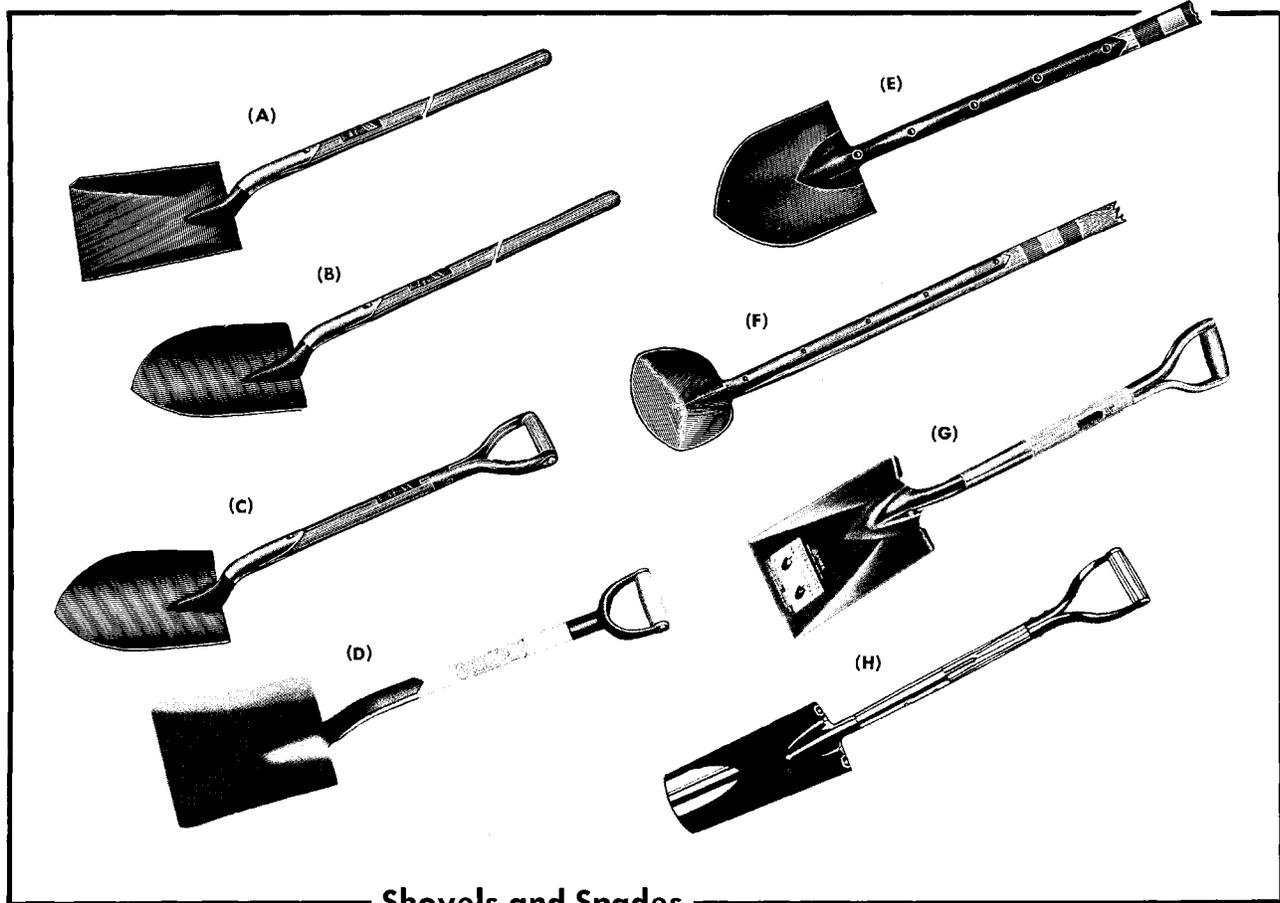
With Scraper and File



S-577685 17/8-in. cut.....each **3.82**
S-577687 17/8-in. cut. Double stripping notch for 19 and 23-gauge wire.....each **3.82**
S-576785 Scissors Pocket.....each **1.57**

D-8

Prices are subject to change without notice.



Shovels and Spades

(A) Long Handle, Square Point Shovel

Ordering No.	Blade Inches	Handle Lgth., In.	Wt., Lbs.	Price Each
S-577906	9½x12	51	5	\$8.36

(B) Long Handle, Round Point Shovel

S-577907	9 x 12	51	5	\$8.36
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(C) D-Handle, Round Point Shovel

S-577911	9 x 12	27	5	\$8.50
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(D) D-Handle, Square Point Shovel

S-577905	10½x12	27	4	\$8.77
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(E) Long Handle Telegraph Shovels

S-577908	9¼x11⅞	8	10	\$20.26
S-577910	9¼x11⅞	10	11	22.86

(F) Long Handle Telegraph Western Pattern Spoons

S-578178	9⅝ x 8¾	8	9	\$20.26
578179	9⅝ x 8¾	9	10	18.57

Replacement Handles for Telegraph Shovels and Spoons

Ordering No.	Length Feet	Wt., Lbs.	Price Each
S-574975	9	6	\$12.05
S-574976	10	7	13.26

(G) Spade

S-578152 Blade, 7¼x12 in. Wt., 4½ lbs.....each \$5.88

(H) Drain Spade

S-578151 Blade, 5¾". Weight, 5 lbs.....each \$8.89

Wire Brush Cleaners

For conduit. Pulling eyes at both ends. Wt. ¾ lb.
S-571476 Diameter, ½ inch. Length, 3 inches...each \$2.26

Metal Scratch Brushes

Two rows. Brush length, 3¼ inches. Overall length, 10 inches. Trim, ⅞ inch. Weight per dozen, 2¼ pounds.
S-571492.....each \$9.99

Water Tool Brushes

S-571490 Diameter, 1 inch.....each \$1.25

Non-Metallic Brushes

Flat Type

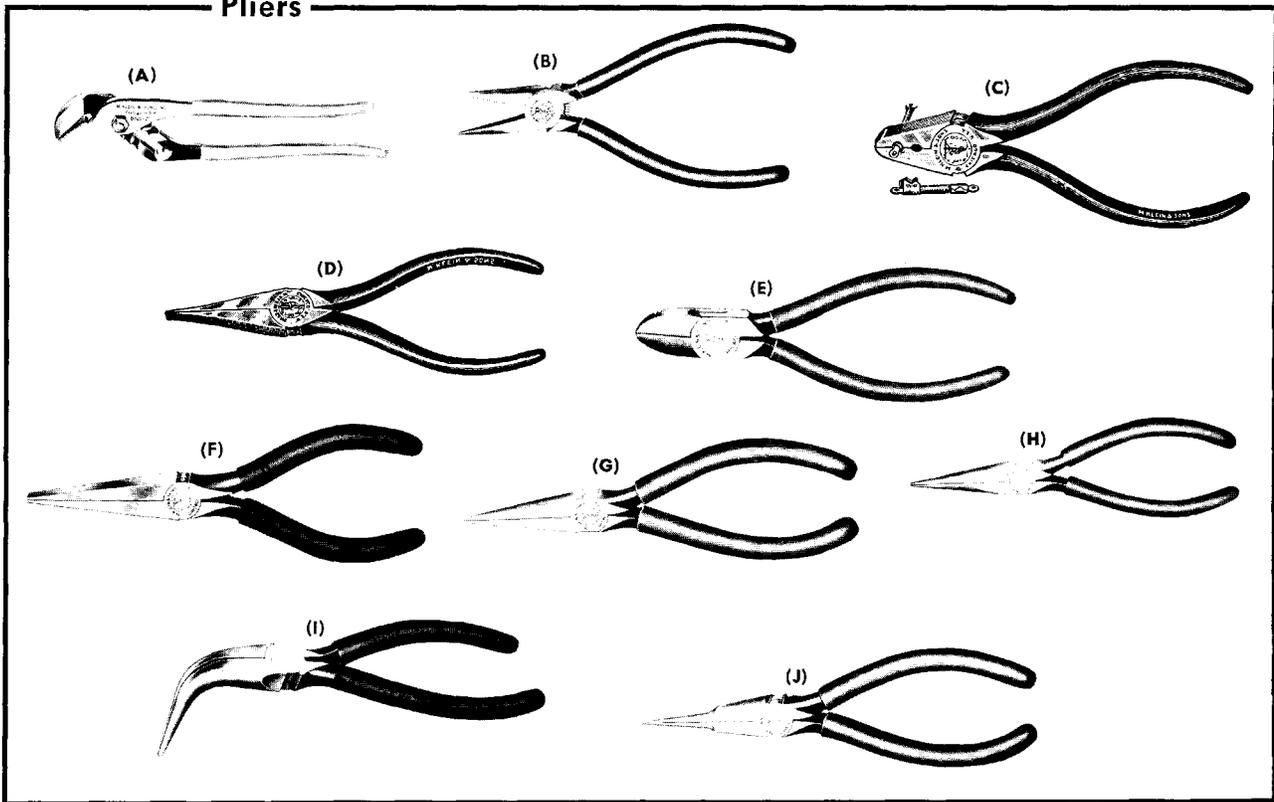
Ordering No.	Width In.	Length In.	Wt., Lbs. per Doz.	Price Each
S-571482	1	1¾	¾	\$1.42
S-571484	2	2	1½	2.08

Round Type

Ordering No.	Diam. In.	Length In.	Wt., Lbs. per Doz.	Price Each
S-571487	⅞	1¾	¾	\$1.06
S-571488	1¼	2	1½	1.47

Prices are subject to change without notice.

Pliers



(A) Pump Pliers

S-576469 Length, 9½ in. Yellow plastic-dipped handles. Wt. per doz., 9½ lbs. . . . each **\$3.79**

(B) Chain Nose Pliers—with yellow plastic dipped handles

S-576509 Without cutting knives. With spring jaws. Length, 5¼ in. Wt. per doz., 2¼ lbs. each **\$3.05**

S-576510 Without cutting knives. Length, 6 in. Wt. per doz., 3½ lbs. each **3.01**

(C) Cord-Tip Closing Pliers—with yellow plastic dipped handles

With .129 and .156-inch diameter holes.

S-586210 Length, 5⅞ in. Wt. per doz., 3½ lbs. each **\$4.04**

(D) Spring Adjusting Pliers

S-576495 Plain handles. Length, 5⅞ in. Wt. per doz., 3¼ lbs. each **\$3.87**

(E) Diagonal Pliers—with W notches

S-576457 Length, 5 in. Red plastic-dipped handles. Wt. per doz., 3 lbs. each **\$3.95**

(F) Long Duck Bill Pliers—with yellow plastic dipped handles

S-576500 Without cutting knives. Length, 6½ in. Wt. per doz., 3¼ lbs. each **\$2.95**

(G) Duck Bill Pliers—without knurl, with yellow plastic dipped handles

S-576491 Length, 5⅞ in. Wt. per doz., 2¼ lbs. each **\$3.28**

(H) Long Nose Pliers—with knurled jaws and yellow plastic dipped handles

S-576493 Length, 5⅞ in. Wt. per doz., 2½ lbs. each **\$3.61**

S-576494 With spring jaws. each **3.33**

Long Nose Pliers—with plain handles

S-576490 Without cutting knives. Length, 5⅞ in. Wt. per doz., 3¼ lbs. each **\$2.86**

576446 Without cutting knives. Length, 6⅝ in. Wt. per doz., 3¾ lbs. each **2.71**

S-576502 With cutting knives. Length, 5⅞ in. Wt. per doz., 3¼ lbs. each **3.25**

S-576503 With cutting knives. Length, 6⅝ in. Wt. per doz., 3¾ lbs. each **3.50**

S-576508 With cutting knives. Length, 7⅞ in. Wt. per doz., 4¼ lbs. each **3.96**

S-576504 With cutting knives and spring jaws. Length, 6⅝ in. Wt. per doz., 3¾ lbs. each **3.69**

Long Needle Nose Pliers

S-586206 Length, 6⅝ in. Yellow plastic-dipped handles. Wt. per doz., 4 lbs. each **\$3.20**

(I) Long Curved Nose Pliers

S-576444 Length, 6¼ in. Yellow plastic-dipped handles. Wt. per doz., 3½ lbs. each **\$4.07**

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Prices are subject to change without notice.

Pliers—Continued

(J) Needle Nose Pliers—with yellow plastic dipped handles and spring jaws

- S-576498** Length, 6⁵/₈ in. Wt. per doz., 3¹/₂ lbs. each **\$4.18**
- S-576496** With cutting knives. Wt. per doz., 3¹/₄ lbs. each **4.66**

Lamp Cap Extractors—with yellow plastic dipped handles

- S-581949** Length, 5¹/₄ in. Wt. per doz., 2¹/₂ lbs. each **\$3.84**

Stripping Pliers—for 19 and 22-gauge wire—with cutting knives and yellow plastic dipped handles

- S-576505** Length, 6⁵/₈ in. Wt. per doz., 3³/₄ lbs. each **\$4.56**

Special Skinning Pliers—for 22-gauge synthetic coated wires—with red plastic dipped handles

- S-576485** Length, 5¹/₄ in. Wt. per doz., 2¹/₂ lbs. each **\$4.40**

Long Nose Insulation Skinning Pliers—for 22-24 gauge wire—with yellow plastic dipped handles

- S-576486** Length, 6 in. Wt. per doz., 3¹/₂ lbs. . . . each **\$3.68**

Narrow Head Oblique Cutting Pliers—with spring jaws

- S-576452** Length, 5 in. Red plastic-dipped handles. Wt. per doz., 2¹/₂ lbs. each **\$4.09**

Oblique Cutting Pliers—standard type

- S-576456** Plain handles. Length, 5 in. Wt. per doz., 3 lbs. each **\$3.11**
- S-576450** Plain handles. Length, 5¹/₂ in. Wt. per doz., 3³/₄ lbs. each **3.53**
- S-576460** Plain handles. Length, 6¹/₁₆ in. Wt. per doz., 4 lbs. each **3.60**
- S-576461** Length, 6¹/₁₆ in. Red plastic dipped handles, spring jaws. Wt. per doz., 4 lbs. each **3.92**

Oblique Cutting Pliers—heavy duty type

- S-576459** Red plastic dipped handles. Length, 6 in. Wt. per doz., 4¹/₄ lbs. each **\$4.04**
- S-576465** Plain handles. Length, 7¹/₄ in. Wt. per doz., 6³/₄ lbs. each **4.51**

Oblique Cutting Pliers—with 0.52-in. wire stripping notch

- 576453** Length, 5 in. Wt. per doz., 3³/₄ lbs. . . . each **\$4.04**
- S-576462** Length, 6 in. Red plastic dipped handles. Wt. per doz., 4 lbs. each **4.22**

Oblique Cutting Pliers—with W and V notches

- S-576516** Length, 5 in. Red plastic dipped handles. Wt. per doz., 2¹/₂ lbs. each **\$4.17**

Oblique Cutting Pliers—with W notches

- S-576451** Plain handles. Length, 5¹/₂ in. Wt. per doz., 3³/₄ lbs. each **\$4.24**
- S-576466** Heavy duty. Length, 6 in. Red plastic dipped handles. Wt. per doz., 4 lbs. each **4.44**

Pliers—Continued

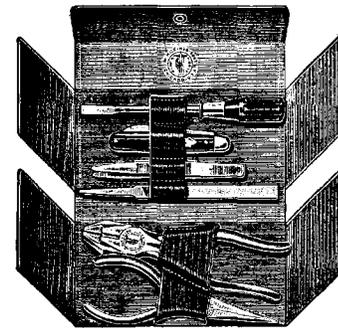
Round Nose Cutting Pliers

- S-576474** Plain handles. Length, 6¹/₄ in. Wt. per doz., 5 lbs. each **\$4.05**
- S-576517** Blue plastic dipped handles. each **4.51**
- S-576476** Plain handles. Length, 8¹/₂ in. Wt. per doz., 11 lbs. each **4.79**
- S-576475** Plain handles. Length, 9¹/₄ in. Wt. per doz., 13¹/₂ lbs. each **5.16**

High Leverage Cutting Pliers

- 576473** Length, 8¹/₂ in. Blue plastic dipped handles. Wt. per doz., 11¹/₄ lbs. . . . each **\$5.64**
- S-576479** Plain handles. Length, 9¹/₄ in. Wt. per doz., 13¹/₂ lbs. each **5.01**
- S-576518** Blue plastic dipped handles. each **5.85**

Inspectors' Tool Kits



- 1 Pr. Side Cutting Pliers, 6" 1 Special File and Handle
- 1 Pr. Long Nose Pliers, 6" 1 Special Screwdriver, 3"
- 1 Pr. Electrician's Tweezers, 5" 1 Electrician's Knife
- S-575536** Kit size closed, 6¹/₂"x3¹/₂"x1¹/₂" each **\$16.58**

Files and Shoe Rasps

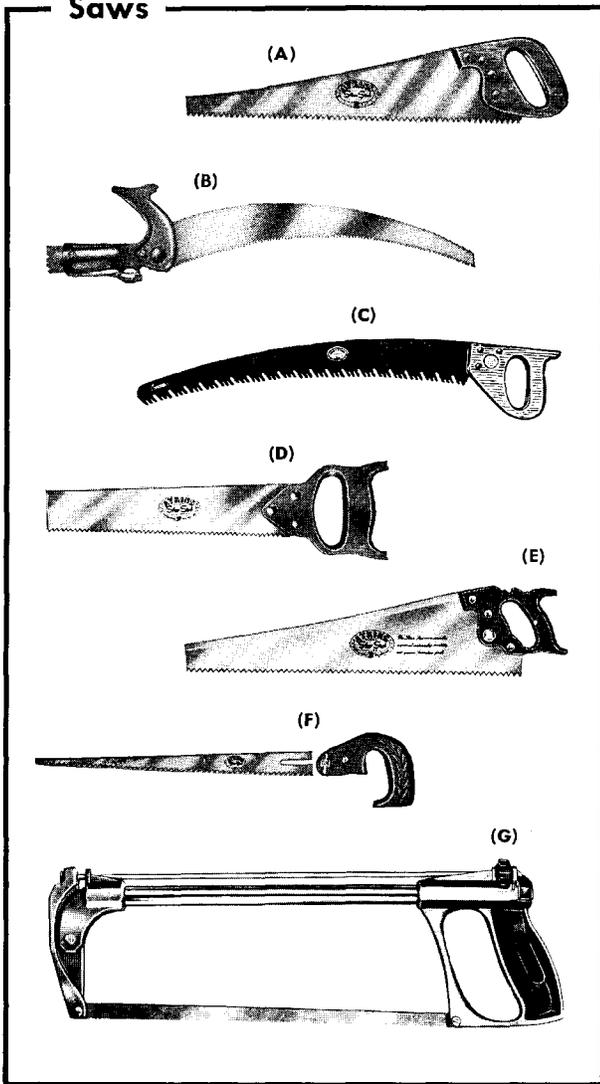
- S-573855** Auger Bit. 7 in. each **\$1.04**
- S-573857** All Purpose Combination. 10 in. Single and double cut sides. each **1.57**
- S-573864** Second Single Groove Flat Mill. 10 in. each **1.28**
- S-573860** Second Flat Mill. 12 in. each **2.28**
- S-573859** Second Machinists, hand. 10 in. each **3.54**
- S-573865** Smooth Knife. 10 in. each **2.57**
- 573868** Three-Cornered Slim Taper. 8 in. each **.86**
- S-573856** Shoe Rasp. 10 in. each **1.49**

File Cleaners

- S-571495** Wt., per box of 12, 3 lbs. each **\$.70**

Prices are subject to change without notice.

Saws



(A) Tittle Tooth Pruning Saw

S-577553 Saw. Length, 20 in.
Wt. per doz., 17 lbs. each **\$5.26**

S-574521 Fiber Guard. Wt. per doz., 12 lbs. each **5.48**

(B) Pruning Saw—without poles

Blade adjusts to six different angles. Equipped with paintbrush holder for painting over cuts. Order poles separately.

S-575049 Pruning Saw Head. Blade length, 16 in. Wt. per doz., 9 lbs. each **\$5.29**

S-574518 Fiber Guard. Wt. per doz., 6 lbs. each **3.46**

S-576866 Tapered Pole. 6 ft. Wt., 3 lbs. each **6.17**

(C) Pruning Saw—Teflon-S® Coated

Black Teflon-S coating is self-lubricating and has a high abrasion resistance. Cuts easily in green, sappy woods. Rust resistant.

S-577550 Saw with 26" blade.
Weight per box of 6, 10½ lbs. each **\$8.27**

S-574519 Fiber Guard. Wt. per doz., 15 lbs. each **4.90**

S-574972 Handle. each **1.29**

(D) Cablemen's Saw

S-577545 Saw. Length, 12 in. Wt. per doz., 12 lbs. each **\$2.44**

S-574515 Fiber Guard. Wt. per doz., 4½ lbs. each **3.42**

(E) Hand Saw

S-577548 Crosscut. 8 Pt. Length, 26 in.
Wt. per doz., 24 lbs. each **\$8.16**

S-574517 Fiber Guard. Wt. per doz., 15 lbs. each **5.72**

(F) Compass Saw

S-577546 Saw. Length, 12 in.
Wt. per doz., 6 lbs. each **\$2.39**

S-574516 Fiber Guard. Wt. per doz., 4½ lbs. each **3.24**

(G) Hack Saw—for 12-in. blades

S-574852 Weight per dozen, 19 lbs. each **\$5.88**

12-in. Hack Saw Blades

S-570918 Length, 12 in. Teeth per in., 18.
Wt. per 100, 4½ lbs. per 100 **\$60.30**

S-570924 Length, 12 in. Teeth per in., 24.
Wt. per 100, 4¾ lbs. per 100 **60.30**

Aluminum Levels

Two Level, Four Plumb Vials

S-575955 24x2¼x1 in. Wt., 2¼ lbs. each **\$11.09**

Cold Chisels



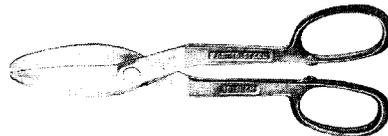
S-571730 ¾-in. cut. Wt. per doz., 12 lbs. each **\$1.13**

Socket Framing Chisels and Guards



517741 2x8 in. Wt. per doz., 24 lbs. each **\$10.78**
S-574480 Chisel Guard. each **2.17**

Tinners' Snips



S-578123 Cutting-jaws, 2½ in. Overall length, 12 in. Wt., 1¾ lbs. each **\$5.13**

Pin Punches

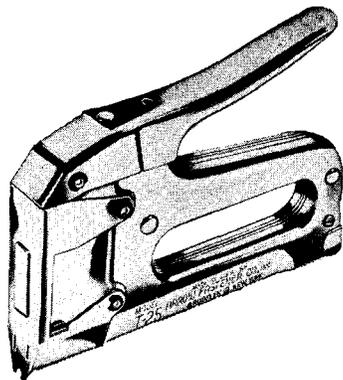


S-577191 ½-in. diameter point. each \$ **.92**

Scratch Awls

S-570058 ¼-in. diameter. each **\$1.54**

Arrow Stapling Guns



- S-574724** For wires and cables up to 1/2-in. diameter..... each **\$16.50**
- S-574726** For wires up to 1/4-in. diameter..... each **16.50**
- S-574725** For wires up to 3/16-in. diameter..... each **16.50**

Staples Only

For S-574724 Stapling Gun
Box of 1,000

Ordering No.	Length Staple In.	Color of Staple	Price per Box
S-557409	5/8	Painted Monel Beige.....	\$10.71
S-557410	7/8	Painted Monel Beige.....	12.27

(A) Electricians' Knife

Has screwdriver with cutting edge for stripping or cutting wire. Knife blade is of highly tempered steel. When open, screwdriver blade locks and is released by slight side pressure of thumb.

- S-575538** Blade length, 2 1/2 in. Wt. per doz., 2 1/8 lbs..... each **\$2.66**

(B) Linemen's Knife

- S-575539** Single 3" blade locks when open. Wt. per doz., 4 lbs..... each **\$2.87**

(C) Cable Sheath Splitting Knife—heavy duty

Ordering No.	Description	Blade Length In.	Overall Length In.	Wt., Lbs. per Doz.	Price Each
S-575540	Heavy Duty Splitting Knife	4 1/2	8 3/4	13	\$3.84

(D) Cable Sheath Splitting Knife—light duty

S-575541	Light Duty Splitting Knife	2 13/32	7 1/4	5	\$3.68
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S-574495	Leather Guard for splitting knives	1 1/2	1.96
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(E) Skinning Knife

- S-575543** Overall length, 8 in. Blade, 3 in. Wt. per doz., 4 1/4 lbs..... each **\$3.44**

(F) Skinning Knife

- S-575542** Closed length, 3 1/2 in. Wt. per doz., 1 lb..... each **\$1.96**
- S-576779** Leather Pocket for skinning knives. 3x9 in. Wt. per doz., 4 lbs..... each **2.75**

For S-574726 Stapling Gun

Box of 5,000

S-557417	3/8	Galaloy (Rust Resistant).....	\$3.10
S-557421	7/16	Galaloy (Rust Resistant).....	3.10
S-557425	9/16	Galaloy (Rust Resistant).....	2.65
S-557418	3/8	Painted Galaloy Beige.....	3.60
S-557422	7/16	Painted Galaloy Beige.....	3.60
S-557426	9/16	Painted Galaloy Beige.....	3.67
S-557407	7/16	Monel.....	15.71
557403	9/16	Monel.....	17.27
S-557405	3/8	Painted Monel Beige.....	16.21
S-557408	7/16	Painted Monel Beige.....	16.21
S-557406	9/16	Painted Monel Beige.....	17.75

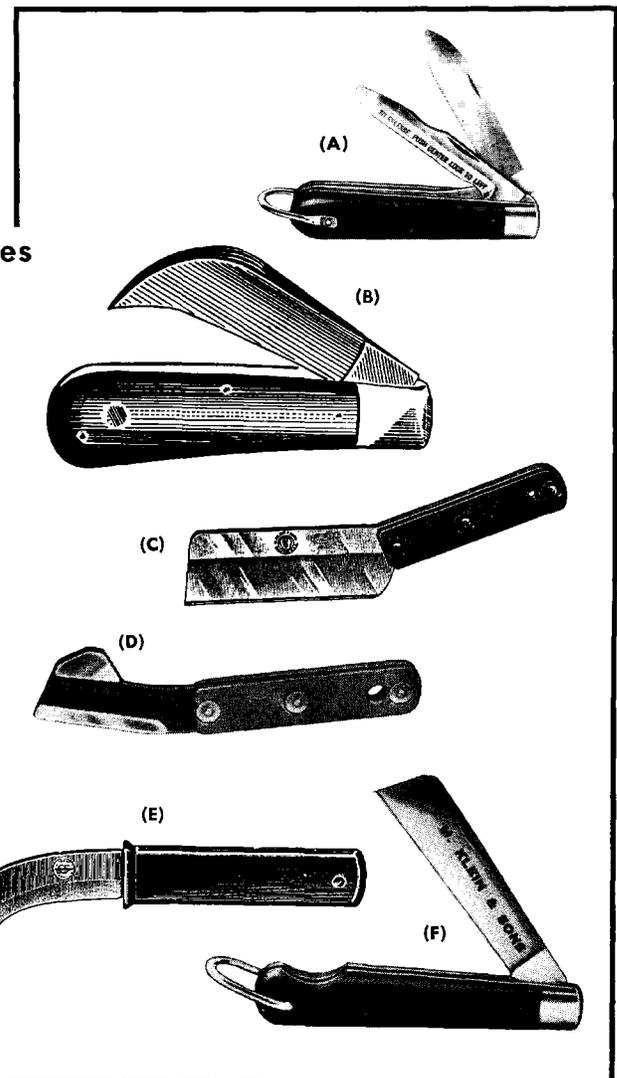
For S-574725 Stapling Gun

Box of 5,000

S-557399	3/8	Galaloy (Rust Resistant).....	\$3.10
S-557400	3/8	Painted Galaloy Beige.....	3.60
S-557402	3/8	Painted Monel Beige.....	16.21

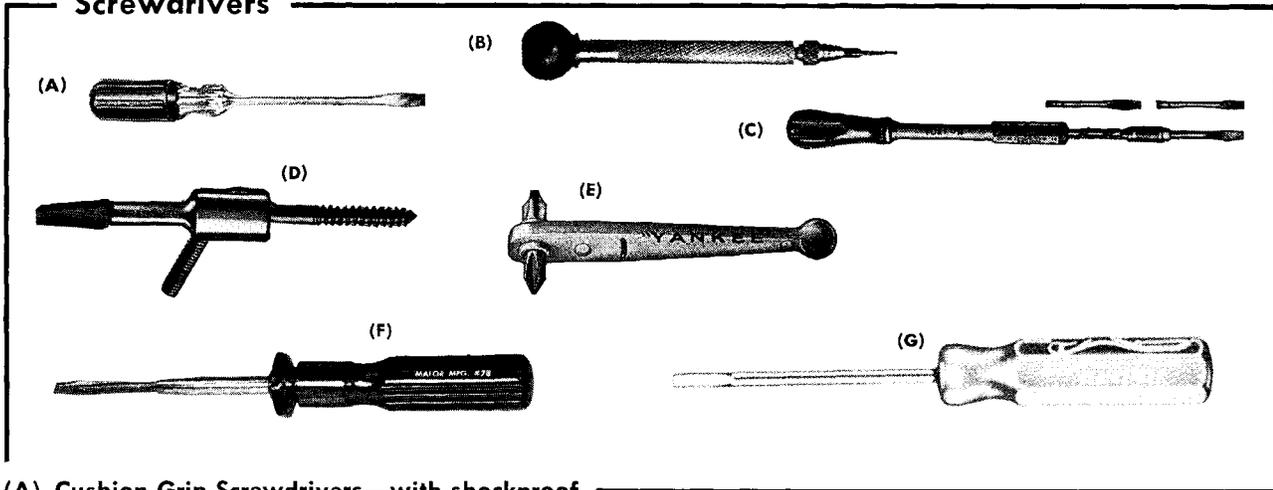
NOTE: Staples also available in brown, ivory and plain bronze on special order.

Knives



Prices are subject to change without notice.

Screwdrivers



(A) Cushion Grip Screwdrivers—with shockproof, non-flammable handles

Ordering No.	Blade Size, Inches	Wt., Lbs. per Doz.	Price Each
S-577753	3x $\frac{3}{16}$	4	\$1.30
S-577754	4x $\frac{1}{4}$	6	1.38
S-577756	6x $\frac{5}{16}$	10	1.62
S-577758	8x $\frac{3}{8}$	14	2.04

Ordering No.	Blade Size, Inches	Wt., Lbs. per Doz.	Price Each
S-577724	4x $\frac{1}{4}$	3	\$1.62
S-577728	8x $\frac{3}{8}$	7 $\frac{3}{4}$	2.40

Ordering No.	Blade Size, Inches	Wt., Lbs. per Doz.	Price Each
S-577733	3x $\frac{3}{16}$	4	\$1.09
S-577736	6x $\frac{3}{16}$	4 $\frac{1}{2}$	1.24
S-577738	8x $\frac{3}{16}$	5	1.32

Ordering No.	Blade Size, Inches	Wt., Lbs. per Doz.	Price Each
S-577741	3x $\frac{3}{16}$	1 $\frac{3}{4}$	\$1.06
S-577742	4x $\frac{1}{4}$	2 $\frac{3}{4}$	1.24
S-577743	6x $\frac{3}{16}$	4	1.77

(B) Switchboard Plug Screwdriver
S-587010 With double-ended bit and two sets of points. Length, 4 $\frac{1}{2}$ in. Wt., $\frac{1}{8}$ lb. each **\$4.25**

Ordering No.	Style	Length Open, In.	Length Closed, In.	Wt., Lbs. per Doz.	Price Each
S-577765	Light Duty	13 $\frac{1}{4}$	10 $\frac{1}{4}$	8 $\frac{1}{4}$	\$9.71
S-577764	Standard Duty	20	14 $\frac{3}{4}$	15	10.18

(D) Angle Screwdriver
S-573515 Holds $\frac{5}{16}$ -inch angle screw; chuck-end fits ordinary brace. Wt., $\frac{1}{4}$ lb. each **\$2.35**

(E) Offset Screwdrivers
S-577763 For Phillips screws Nos. 5-12. Length, 3 $\frac{7}{8}$ in. Wt. per doz., 1 $\frac{1}{2}$ lbs. each **\$2.10**
S-577762 For regular screws up to No. 14. Length, 3 $\frac{7}{8}$ in. Wt. per doz., 1 $\frac{1}{2}$ lbs. each **1.45**

(F) Self-Holding Screwdriver
S-577730 Five-inch blade. each **\$2.61**

(G) Pocket Screwdriver
S-577732 2 in. long. $\frac{3}{32}$ -in. blade. Clip on handle. each **\$2.29**

Split Conduit Plug Removers

S-577280 Weight, 11 $\frac{1}{2}$ pounds. each **\$13.37**

Split Conduit Plug Wrenches

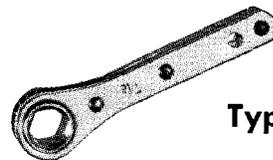
S-579271 For $\frac{1}{4}$ -in. bolts. Wt., 1 lb. each **\$9.90**

Linemen's Wrenches

Ordering No.	— OPENING, IN. —		Lgth. In.	Wt. per Doz.	Price Each
	Large End	Small End			
S-579255	1 $\frac{3}{32}$ and $\frac{29}{32}$	1 $\frac{1}{16}$ and $\frac{5}{8}$	13	23	\$4.95
S-579256	1 $\frac{1}{16}$ and 1 $\frac{5}{16}$	$\frac{5}{8}$ and $\frac{7}{8}$	13	23	5.11

Adjustable Wrenches

Ordering No.	Length In.	Capacity In.	Wt., Oz.	Price Each
S-579206	6	$\frac{3}{4}$	4	\$3.16
S-579208	8	1 $\frac{5}{16}$	8	3.56
S-579210	10	1 $\frac{1}{8}$	13	4.54
S-579212	12	1 $\frac{5}{16}$	24	6.54



Type B Ratchet Wrenches For Splice Cases

Size, $\frac{7}{16}$ inch. Length, 3 $\frac{3}{4}$ inches. Weight, $\frac{1}{8}$ pounds.
S-579280 each **\$1.62**

Nutdrivers

Blade length, 3". Shockproof handles are color coded and marked with large, readable sizes. Weight each, 3 oz.

S-585206	Hex opening, $\frac{3}{16}$ "	each	.91
S-585207	Hex opening, $\frac{7}{32}$ "	each	.91
S-585208	Hex opening, $\frac{1}{4}$ "	each	.91
S-585209	Hex opening, $\frac{9}{32}$ "	each	.91
S-585211	Hex opening, 1 $\frac{1}{32}$ "	each	.91
S-585212	Hex opening, $\frac{3}{8}$ "	each	.91

Pole Step Drivers

S-573525 For use with impact wrenches. $\frac{5}{8}$ " hex shank. Wt., 1 lb. each **\$13.50**

Impact Wrench Chucks

S-571671	Jacobs-gear type, $\frac{1}{8}$ " to $\frac{5}{8}$ " capacity. With $\frac{5}{8}$ " hex shaft. each	\$32.55
S-571670	Adapts $\frac{5}{8}$ " hex shaft sockets and bits to $\frac{3}{8}$ " square drive wrench. each	23.15

Hex Socket Wrenches

Steel alloy shank; 3/4-inch deep socket in tip. Overall length, 6 1/2 inches. Used to remove ceiling of aluminum booths.

S-579235 each **\$3.33**

Socket Wrenches

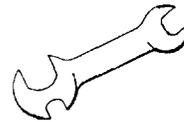
With 5/8" hex shank. For use with impact wrenches.

S-579314 7/8 in., standard depth..... each **\$7.60**
579311 1 1/16x4 in. deep each **18.45**
S-579313 1 3/16x4 in. deep each **18.80**
S-579317 1 1/16x5 in. deep..... each **19.25**
S-579318 1 1/8x5 in. deep..... each **19.60**

Pipe Wrenches

S-579268 Normal duty; 1/4-2-in. capacity. 24-in. length. Wt., 7 1/2 lbs..... each **\$13.71**
S-579266 Heavy duty; 1/4-2-in. capacity. 14-in. length. Wt., 3 1/2 lbs..... each **8.78**

Regulator Wrenches



For 7/16, 1/2, 9/16, 5/8, 11/16-inch width nuts. Weight, 1 1/2 pounds.

S-579283 each **\$2.97**

Ratchet Wrench Kits

For splice cases. Metal carrying case contains one 7-in. reversible ratchet; one 3-in. and one 6-in. extension; one 7/16-in. and one 9/16-in. socket; one combination short wrench, 27/32-in. box end and 1 5/8-in. open end.

S-579281 each **\$12.14**

Hammers

(A) Machinists' Riveting Hammers

S-574950 Head, 12 oz. Length, 14 in..... each **\$4.17**
S-574952 Head, 4 oz..... each **4.05**

(B) Straight Claw Hammers

S-574935 Head, 12 oz. Straight claw..... each **\$5.56**
S-574936 Head, 16 oz. Straight claw..... each **5.56**
S-574937 Head, 20 oz. Straight claw..... each **6.22**
S-574932 Head, 20 oz. Straight claw. Length, 14 in..... each **4.17**

(C) Curved Claw Hammers

S-574938 Head, 12 oz. Curved claw..... each **\$5.56**
574939 Head, 16 oz. Curved claw..... each **5.56**
S-574940 Head, 20 oz. Curved claw..... each **6.22**

(D) Ball Pein Hammers

574941 Head, 12 oz. Length, 14 in..... each **\$2.95**
S-574949 Head, 24 oz..... each **5.05**

(E) Linemen's Ripping Hammer

S-574955 Head, 32 oz. Length, 13 1/2 in..... each **\$5.53**

(F) Linemen's Double-Face Hammers

S-574946 Head, 40 oz. Length, 14 in..... each **\$5.57**
S-574945 Head, 36 oz..... each **6.24**

(G) Drilling Hammer

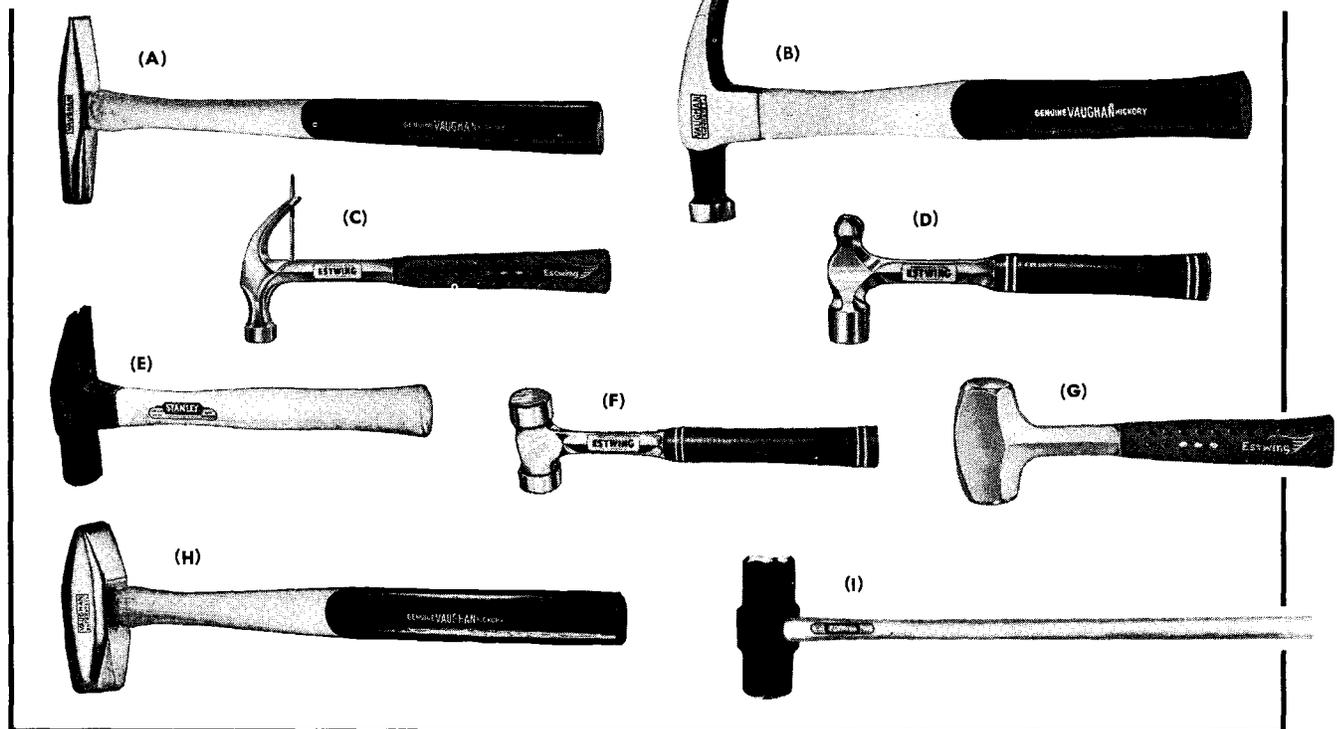
574943 Head, 48 oz. Length, 11 in..... each **\$5.41**

(H) Blacksmiths' Hand Hammers

S-574930 Head, 40 oz. Length, 16 in..... each **\$5.04**
574931 Head, 48 oz. Length, 17 in..... each **5.49**

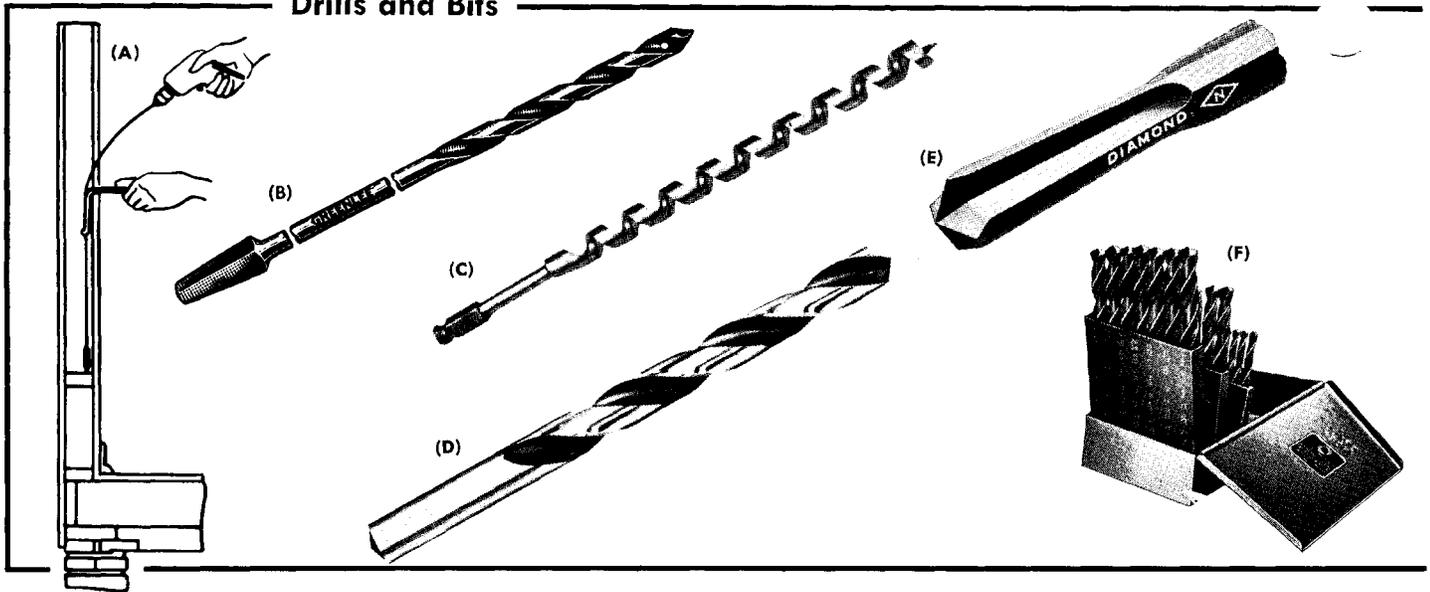
(I) Double Faced Blacksmiths' Sledge

S-574956 Head, 8 lbs. Length, 36 in..... each **\$9.12**



Prices are subject to change without notice.

Drills and Bits



(A) Bellhanger Drills—heavy duty

For drilling holes for placement of station wire in interior of walls. Used with reversible electric drills.

- S-572800 Drill with 3/8-in. shank, 6-ft. length . . . each **\$13.21**
- S-572801 Drill with 3/8-in. shank, 10-ft. length . . . each **28.66**
- S-572802 Drill with 3/4-in. shank, 6-ft. length . . . each **14.68**
- S-574231 Inside Wiring Cable Grip. Attaches to drill eyelet for retrieving bit and pulling inside wiring cable. each **3.68**
- S-574327 Station Wire Grip. Attaches to drill eyelet for retrieving bit and pulling station wire. each **2.78**
- S-578825 Drill Alignment Tool, for positioning drill within wall interior. For use with 3/8-in. shank bit. each **2.65**
- S-578826 Same as above, but for use with 3/4-in. shank bit. each **4.41**

(B) Bellhangers Drills—light duty

Steel alloy resists damage if metal is encountered during drilling. 3/32-inch hole about 1/2 inch from point for pulling wire. Twist length, 3 3/4 inches.

12-In. Overall Length

Ordering No.	Diam. Twist, In.	Price Each
S-572795	1/4	\$2.21
S-572797	5/16	2.30
S-572798	3/8	2.40

18-In. Overall Length

S-572813	3/16	\$2.65
S-572814	1/4	2.65
S-572815	5/16	2.79
S-572816	3/8	2.84

18-In. Overall Length

Cont.

Ordering No.	Diam. Twist, In.	Price Each
S-572818	1/2	\$3.58
S-572820	5/8	4.31
S-572822	3/4	5.54

24-In. Overall Length

S-572796	1/4	\$3.23
S-572799	3/8	3.43

Cable Drills and Bits—for lead sheaths and sleeves

- S-572824 Drill and .280-in. diameter bit. Wt. 1/4 lb. each **\$7.43**
- S-572825 Drill and .280-in. diameter bit with valve for connecting to pressure testing equipment. Wt., 1 lb. each **37.62**
- S-572826 Drill and .480-in. diameter bit. Wt. 1/2 lb. each **18.81**
- S-570904 Bit only. .280-in. diameter each **4.21**
- S-570906 Bit only. .480-in. diameter. each **6.93**

(C) Drills—single spur impact bit, 5/8-in. hex shank

- S-570858 1/2x8 in. long each **\$5.78**
- S-570859 9/16x4 in. long, pole step. each **7.95**
- S-570861 1 1/16x12 in. long each **6.66**
- S-570865 1 1/16x18 in. long each **8.62**
- S-570863 1 3/16x12 in. long each **6.96**
- S-570867 1 7/16x12 in. long each **8.67**

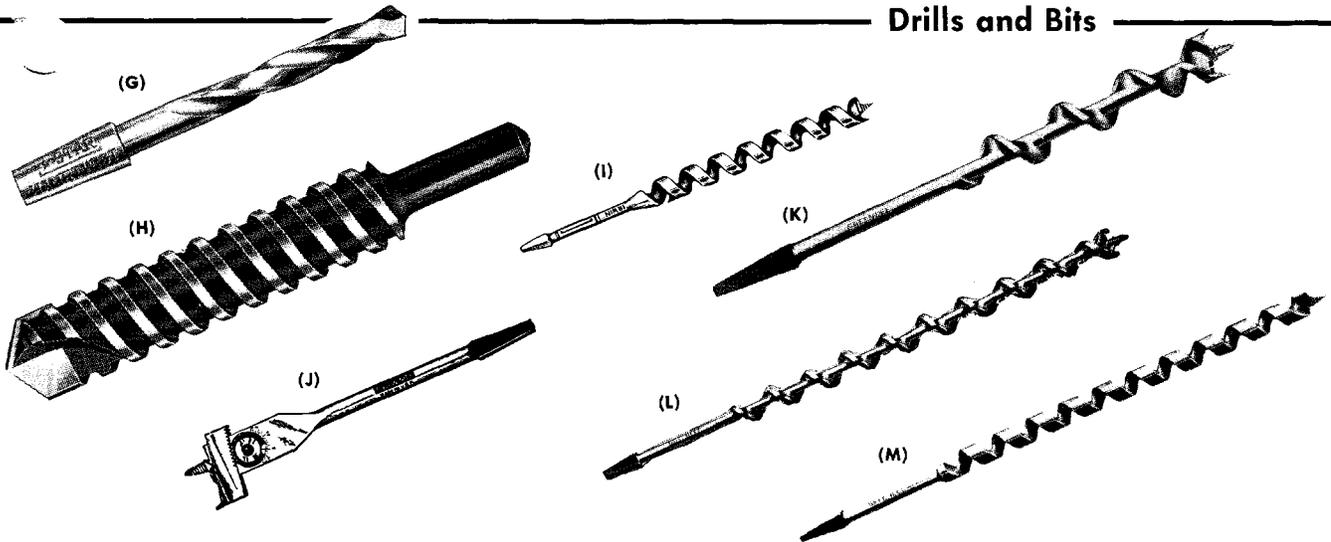
(D) High Speed Straight Shank Drills—fractional and wire gauge sizes

- S-573304 1/16x1 7/8 in. long each \$ **.37**
- S-573305 3/64x2 in. long each **.37**
- S-573306 7/32x2 1/4 in. long each **.37**
- S-573307 1/64x2 5/8 in. long each **.38**
- S-573308 1/8x2 3/4 in. long each **.38**
- S-573309 3/64x2 7/8 in. long each **.40**
- S-573310 5/32x3 1/8 in. long each **.41**
- S-573312 3/16x3 1/2 in. long each **.51**
- S-573314 1/32x3 3/4 in. long each **.65**
- S-573316 1/4x4 in. long each **.72**
- S-573320 3/16x4 1/2 in. long each **1.15**
- S-573324 3/8x5 in. long each **1.68**
- S-573332 1/2x6 in. long each **2.82**
- S-573419 19 Gauge Wire 3 1/4 in. long. each **.47**
- S-573428 28 Gauge Wire 2 7/8 in. long. each **.37**
- S-573430 30 Gauge Wire 2 3/4 in. long. each **.37**
- S-573433 33 Gauge Wire 2 5/8 in. long. each **.37**
- S-573435 35 Gauge Wire 2 3/8 in. long. each **.37**
- S-573452 52 Gauge Wire 1 7/8 in. long. each **.37**

(E) Four-Point Star Drills

- S-572964 1/4x12 in. long each \$ **.89**
- S-572965 5/16x12 in. long each **.89**
- S-572966 3/8x12 in. long each **.89**
- S-572967 7/16x12 in. long each **.98**
- S-572968 1/2x12 in. long each **.98**
- S-572972 3/4x12 in. long each **1.46**
- S-572974 7/8x12 in. long each **1.67**
- 572975 1x12 in. long each **1.87**

Drills and Bits



(F) Standard Straight Shank Twist Drill Sets

Ordering No.	Drills per Set	Size Range, In.	Price per Set
S-573470	13	1/16 to 1/4 by 64ths	\$7.51
S-573471	29	1/16 to 1/2 by 64ths	37.96
S-573472	60	Nos. 1 to 60 Inc.	33.75

(J) Micro-Dial Expansive Auger Bits

S-570839	Size cutting range, 5/8 to 1 1/4 in.	each	\$2.94
S-570840	Size cutting range, 3/8 to 3 in.	each	3.27

(G) Percussion Masonry Drill Points

Ordering No.	Diam. Twist In.	Overall Length In.	Price Each
S-572906	3/16	2 5/8	\$1.22
S-572908	1/4	3 1/4	1.22
S-572910	5/16	4 1/4	1.46
S-572912	3/8	5 1/8	1.70
S-572914	7/16	5 1/8	2.17
S-572916	1/2	5 1/2	2.61
572920	5/8	6	3.31
S-572924	3/4	6	3.99

(K) Auger Bits—with medium fast pitch

Ordering No.	Diam. Twist, In.	Overall Lgth., In.	Price Each
*S-570734	1/4	7 1/4	\$1.52
*S-570735	5/16	7 3/8	1.52
*S-570736	3/8	7 3/4	1.52
*S-570737	7/16	7 7/8	1.57
*S-570738	1/2	8	1.57
†S-570739	5/16	8 1/8	1.67
† 570740	5/8	8 1/4	1.72
†S-570741	1 1/16	8 3/8	1.81
†S-570742	3/4	8 1/2	1.91
†S-570743	13/16	8 3/8	1.96
†S-570745	15/16	6	2.16
†S-570748	1 1/4	8	3.04

(H) Carbide Tipped Masonry Drills

Should not be used as percussion tools. May be used with electric or hand drills. Fast spiral.

Ordering No.	Diam. Twist In.	Overall Length In.	Shank Dia., In.	Price Each
S-572936	3/16	3	1/4	\$1.73
S-572938	1/4	4	1/4	1.73
S-572940	5/16	4	1/4	1.88
S-572942	3/8	4	1/4	2.05
S-572944	7/16	4	1/4	2.30
S-572947	1/2	4	1/4	2.60
S-572946	1 1/2	6	3/8	2.60
S-572950	5/8	6	1/2	3.63
S-572955	3/4	6	1/2	4.44
S-572957	7/8	6	1/2	5.56

(L) Car Bits

Standard 18-inch drills for pole work. Durable double cutter head. 12 inch twist, 18 inches overall length. Packed 6 in a box.

Ordering No.	Diam. Twist, In.	Price Each	Ordering No.	Diam. Twist, In.	Price Each
S-570774	1/4	\$2.80	S-570780	5/8	\$2.79
570775	5/16	2.77	S-570781	11/16	2.89
S-570776	3/8	2.89	S-570782	3/4	3.09
S-570777	7/16	2.70	S-570783	13/16	3.19
S-570778	1/2	2.70	S-570790	1 1/4	5.29
S-570779	9/16	2.70			

(I) No. 315T Electricians' Bits—single twist

Length of twist, 12 inches; overall length, 18 inches. Packed 6 in box.

Ordering No.	Diam. Twist, In.	Price Each	Ordering No.	Diam. Twist, In.	Price Each
570714	3/16	\$2.92	S-570719	9/16	\$3.05
570715	5/16	2.92	S-570720	5/8	3.14
S-570717	7/16	2.92	S-570721	11/16	3.45
570718	1/2	2.92	S-570723	13/16	3.66

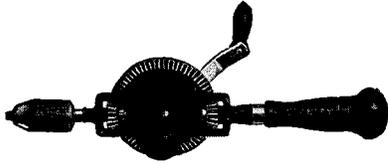
(M) Ship Auger Car Bits—for hand braces only

Single-twist, single-cutter head and side lip. No out-lining spurs. Twist length, 12 inches; overall length, 18 inches.

Ordering No.	Diam. Twist, In.	Price Each	Ordering No.	Diam. Twist, In.	Price Each
S-570754	1/4	\$3.43	S-570762	3/4	\$4.21
S-570755	5/16	3.48	S-570763	13/16	4.41
S-570758	1/2	3.63	S-570764	7/8	4.61
S-570760	5/8	3.87	S-570767	1 1/16	5.83
S-570761	11/16	4.02			

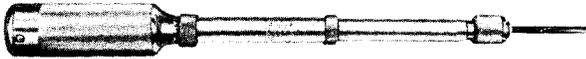
Prices are subject to change without notice.

Hand Drills



S-572850 Capacity, 3/8 in. Overall length, 13 3/4 in. Wt., 2 1/8 lbs.....each **\$13.88**

Steel Push Drills



S-573201 With eight drill points, 1/16-1/64 in.....each **\$8.38**
S-573200 With ten drill points. Two each 1/16, 3/32 and 1/64 in.; two each twist drills No. 30 and 33.....each **8.03**

Push Drill Points

Package of Twelve

Ordering No.	Size No.	Diam. In.	Price Each	Ordering No.	Size No.	Diam. In.	Price Each
S-576846	1	1/16	\$.28	S-576850	5	1/8	\$.36
S-576847	2	5/64	.28	S-576851	6	9/64	.36
S-576848	3	3/32	.28	S-576852	7	5/32	.36
S-576849	4	7/64	.28	S-576853	8	11/64	.36

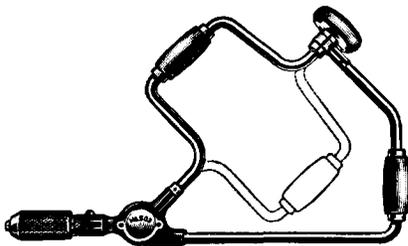
Drill Point Sets

S-576845 Eight sizes from 1/16 to 11/64 inch.....per set **\$2.87**

Wire Gauge Sizes

S-576830 30 gauge.....each **\$.43**
S-576833 33 gauge.....each **.43**

Corner Bit Braces



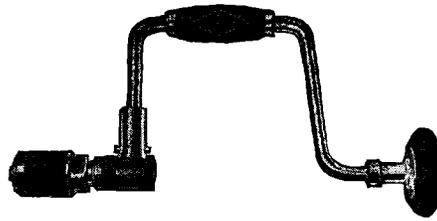
For 1/8 to 1/2-in. square or round shanks.
S-571430 Sweep, 10 in. Length, 17 in. Wt., 4 lbs. each **\$28.37**

Brace Bit Extensions



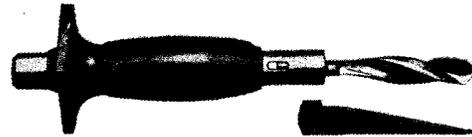
For 3/8-inch and larger bits. Positive lock insures absolute grip on shank while boring or withdrawing.
S-573725 18-in. overall length.....each **\$6.52**

Ratchet Braces



Capacity, 1/2 inch round shanks; square shanks 5/8 inch across corners. Ball bearing steel clad head.
S-571434 Sweep, 10 in. Wt., 3.5 lbs.....each **\$17.66**
S-571435 Sweep, 12 in. Wt., 3.6 lbs.....each **18.02**

Percussion Drill Holders and Pins



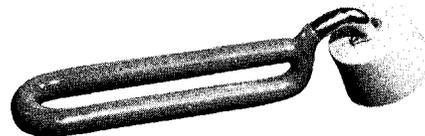
S-575200 Rubber Holder and Pin. Wt. per doz., 10 lbs.....each **\$4.77**
S-576258 Pin only. Wt. per doz., 3/4 lb.....per 100 **6.13**

Michigan Axes, Guards and Handles



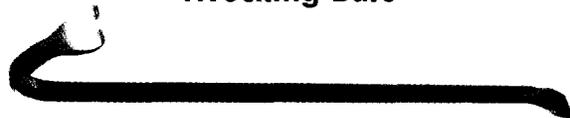
S-570061 Axe only. Head, 3 1/2 lbs. Length, 36 in. each **\$7.59**
S-574470 Fiber Guard.....each **2.15**
S-574960 Replacement handle. Length 36 in....each **2.19**

Scotch Flex® Flat Station Wire Hand Rollers



S-577405each **\$1.96**

Wrecking Bars



S-570192 3/4x24 in.....each **\$3.60**

**Tool Bags, Pouches,
Buckets and Trays**

- (A) Canvas Tool Bags—
with leather bottom, steel frame**
S-570079 20 in. Wt., 3½ lbs..... each **\$16.98**
S-570080 24 in. Wt., 4 lbs..... each **17.85**
- (B) Canvas Ladder Bag with Frame**
S-570072 Wt., 1½ lbs..... each **\$15.93**
- (C) Miscellaneous Material Canvas Bag**
S-570074 11x3 in. Wt. per doz., 3 lbs..... each **\$8.11**
- (D) Leather Utility Bag**
S-570083 8½"x9". Weight, 14 oz..... each **\$6.09**
- (E) Canvas Tool Pack**
S-570067 6x12 in. Wt. per doz., 3 lbs..... each **\$2.47**

- (F) Installers' Canvas Pouch**
S-577008 Two small inside pockets. Web strap and snap. Fiber top ring. 6½x8 in.. each **\$5.22**
- Canvas Buckets**
(G) S-571527 Leather bottom. Rope handle and swivel snap. 12x9x12 in.. each **13.03**
(H) S-571526 Four outside pockets, two inside. Marine plywood bottom. Fiberglass top ring. 10½x12 in..... each **18.50**
(I) S-571528 Leather bottom. Rope handle. Non-metallic top ring. 12x17 in..... each **15.39**
- (J) Canvas Tray**
S-579020 Canvas Tray. Three pockets. Masonite bottom. Rope handle and swivel snap hook. 18x11x6 in..... each **9.31**



Prices are subject to change without notice.

Tool Chests, Cases and Boxes



(A) Steel Machinists' Chest

Heat and moisture resistant. Front panel slides out of the way under drawers when chest is open. Panel can be used to lock all drawers. Lid and drawers lock simultaneously.

Felt lined drawers with slides. Adjustable partition in all drawers except bottom drawer.

S-571381 20 $\frac{1}{8}$ x8 $\frac{1}{2}$ x13 $\frac{3}{8}$ in. Wt., 27 $\frac{3}{4}$ lbs.....each **\$44.76**

(B) Tools and Parts Cases—vinyl covered

S-571660 16 $\frac{1}{4}$ x7 $\frac{1}{4}$ x8 $\frac{3}{4}$ in. Wt., 7 lbs.....each **\$33.75**

S-571661 19 $\frac{3}{4}$ x8 $\frac{1}{2}$ x12 $\frac{1}{4}$ in. Wt., 11 lbs.....each **43.75**

(C) Metal Tool Box

S-571382 With handle, lock, side catches. 18x10x12 $\frac{3}{8}$ in. Wt., 17 $\frac{1}{2}$ lbs.....each **\$23.96**

(D) Tools and Parts Case—

leather-covered basswood, steel frame

Three metal trays encased in three-ply mahogany, lock-cornered container. Trays are 13 $\frac{15}{16}$ x4 inches wide; one tray 1 $\frac{1}{2}$ inches deep, second tray 1 inch deep, third tray $\frac{3}{4}$ inch deep.

Overall size, 15 $\frac{3}{16}$ x 11 $\frac{1}{4}$ x 5 inches.

S-571662 With 14x8 $\frac{1}{2}$ x1 $\frac{1}{2}$ -in. pocket. Wt., 7 lbs.....each **\$47.50**

(E) Steel Tool Box

Draw bolt hasp and staple allow locking with padlock. **S-571380** 20 $\frac{1}{8}$ x8 $\frac{1}{2}$ x9 $\frac{1}{2}$ in. Wt., 12 lbs.....each **\$13.82**

Pres-To-Oilers



S-576164 Delivers measured amount of oil. Refill-able. Wt., $\frac{1}{8}$ lb.....each **\$1.45**

Tension Testing Tools

Non-Conductive Cornus Florida Wood



S-578301 $\frac{1}{4}$ x6 $\frac{7}{8}$ in.....per thousand **\$98.00**

D-20

Prices are subject to change without notice.

Soldering Equipment

(A) Soldering Irons—

115 volt, with copper rod tips

Ordering No.	Tip Diam., In.	Type of Point	Watts	Length In.	Wt. Lbs.	Price Each
S-575434	1/4	Diamond	60	12 1/4	1/2	\$12.28
S-575428	1/4	Chisel	60	9	1/4	12.28
S-575430	3/8	Chisel	100	12 7/8	1	14.95
S-575431	5/8	Diamond	200	13 5/8	1 3/4	19.83
S-575435	1 1/8	Chisel	550	15	3 3/4	34.30

Replacement Tips

S-578782	1/4-in. diam. Diamond point	each	\$5.49
S-578783	3/8-in. diam. Chisel point	each	.74
S-578785	3/8-in. diam. Diamond point	each	.66
S-578784	5/8-in. diam. Diamond point	each	1.92
S-578786	1 1/8-in. diam. Chisel point	each	5.42

Replacement 120-Volt Elements

S-573703	Fits iron S-575434 60-Watt	each	\$6.79
S-573701	Fits iron S-575430 100-Watt	each	5.21
S-573704	Fits iron S-575430 130-Watt	each	5.21
S-573705	Fits iron S-575428 60-Watt	each	4.25
S-573702	Fits iron S-575431 200-Watt	each	7.13

(B) Lightweight Soldering Gun

Quick heating. Built-in, 7-watt spotlight with separate switch. No thermostats or transformers. 1/4-inch tip. 150-400 watt range. 110-120 volt a.c. or d.c. Wt., 14 oz.

S-574721	Replacement Element and Tip Assembly. Wt. per doz., 3 lbs.	each	\$16.53
S-573710	Replacement Element and Tip Assembly. Wt. per doz., 3 lbs.	each	7.18

(C) Dual Heat Soldering Guns

Two position trigger for high or low watt heat. Pre-focused spotlight. Weight, 2 1/2 pounds.

S-574719	100 and 140 watts	each	\$7.69
S-574720	145 and 210 watts	each	10.44
S-578780	Replacement Tip	pkg.	.66

(D) Wall Soldering Irons—

110-120 volt A.C. or D.C.

S-575429	Tip, 1/4 in. Wattage range, 125-40. Wt., 3 oz.	each	\$8.15
S-578781	Replacement Tip, 1/4 in. Wt. per doz., 3 lbs.	each	.56
S-573700	Element Assembly. Wt. per doz., 3/4 lb.	each	4.34

(E) Soldering Copper

572435	With handle. Wt. per copper, 2 lbs.	each	\$6.44
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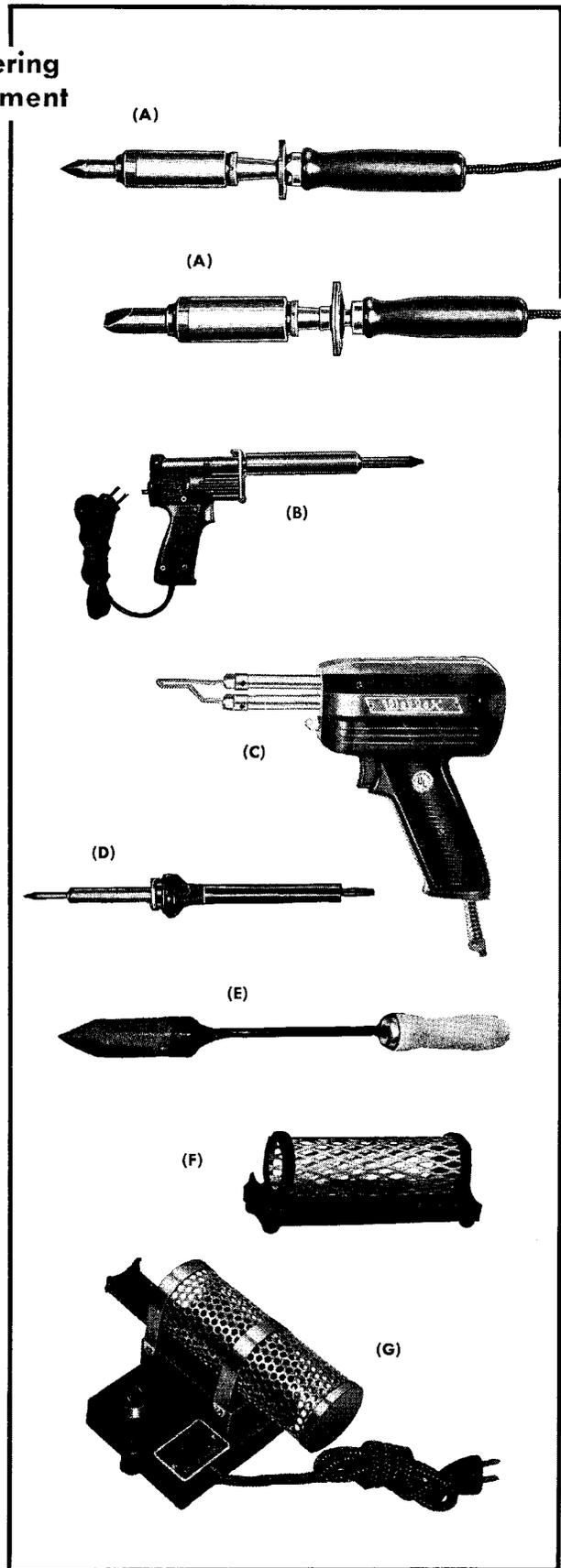
(F) Soldering Iron Holder

S-575211	Wt., 3 lbs.	each	\$6.00
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(G) Automatic Temperature Regulating Stands

For up to 125 volts and 100 to 660 watts. Equipped with 6-foot super-flexible heater cord, rubber attachment plug-cap and bakelite receptacle for connection of soldering iron to stand.

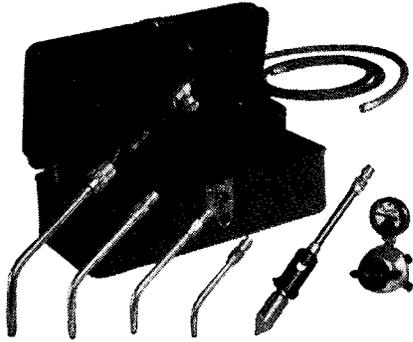
Ordering No.	Overall Lgth. In.	Width In.	Ship. Wt. Lbs.	Price Each
S-578213	Without guard 6 1/2	3 3/8	3	\$15.37
S-578214	With guard 9	5	3 1/4	17.63



Prices are subject to change without notice.

Air-Acetylene Appliances

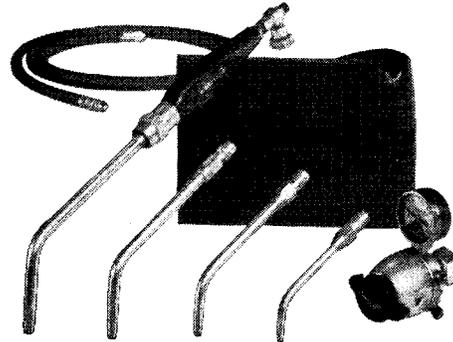
5-in-1 Outfits



Precision Model includes Nos. 1, 3, 4 and 5 Torch Stems, No. 8 Soldering Iron Stem, No. 403 Precision Torch Handle, Regulator for MC tank, and a 6-foot, 3/16-inch (A size) fitted hose assembly, enameled steel carrying case.

S-575523 Precision Model, with Regulator.
Wt. 5 lbs. each **\$49.60**

4-in-1 Outfits

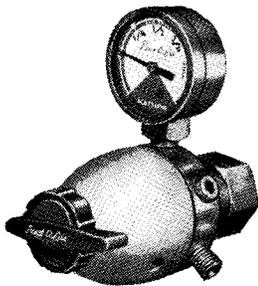


Same handle and open flame stems as the 5-in-1 Outfit, but omits the soldering iron stem. It will handle the same range of operations as the 5-in-1 heating, soldering, and light brazing.

Precision Model includes Nos. 1, 3, 4 and 5 Torch Stems, No. 403 Precision Torch Handle, Regulator for MC tank, 6-foot 3/16-inch (A size) fitted hose assembly, roll-up plastic carrying case.

S-575521 Precision Model, with Regulator.
Wt., 5 lbs. each **\$39.20**

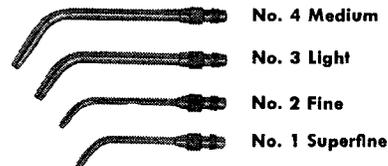
Pressure Regulators



With Pressure Gauge that reads 1/4, 1/2, 3/4, Full. Large pressure-adjusting screw permits setting from 1 to 13 lbs. per sq. in.

S-577260 Wt., 1 1/4 lbs. each **\$13.80**

Torch Stems, Soldering Irons and Handles



- S-578228** No. 1, Superfine. Wt., 1/8 lb. each **\$3.00**
- S-578229** No. 2, Fine. Wt., 1/8 lb. each **3.00**
- S-578230** No. 3, Light. Wt., 1/8 lb. each **3.00**
- S-578231** No. 4, Medium. Wt., 1/8 lb. each **3.00**
- S-578227** No. 8, Soldering Iron, Chisel Copper.
Wt., 3/4 lb. each **11.40**

Appliances and MC Tanks

NOTE: MC tank and friction lighter are not included with outfits and must be ordered separately.

- S-575970** Friction Lighter. Wt., 1/8 lb. each **\$.44**
- S-573915** Tip for Lighter. Wt. per doz., 1/8 lb. each **.42**
- S-578560** MC Gas Tank (filled) with L505 Key.
Wt., 10 lbs. each **21.00**
- S-574966** MC Handle Assembly. Wt. 1 1/2 lbs. each **4.50**
- S-579330** MC Tank Key. Wt., 1/16 lb. each **.28**
- S-579093** *Union for MC Tank. Wt., 1/8 lb. each **1.80**
- S-575332** 6-ft. 3/16 in. (Size A) Fitted Hose Assembly. Wt., 1/2 lb. each **3.25**

*For connecting S-575332 hose to MC tank. Required when regulator is not used.



Torch stems and soldering iron fit interchangeably on all torch handles.

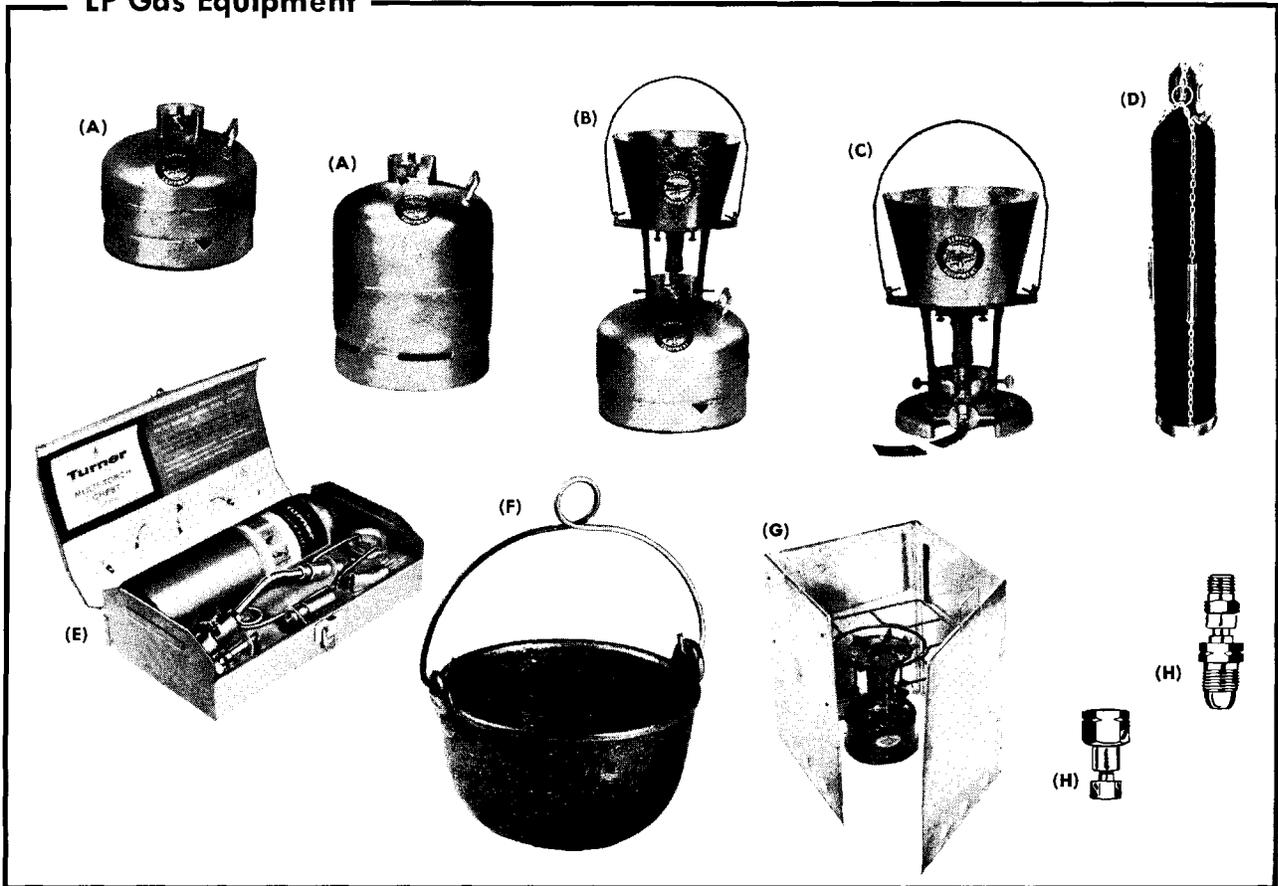
S-574970. Torch handle provided with shutoff valve and pilot flame control. To be used with regulator.



S-574968. Torch handle with shutoff valve on back end.

- S-574970** Torch Handle. Wt., 3/4 lb. each **\$6.40**
- S-574968** Torch Handle. Wt., 1/2 lb. each **8.40**

LP Gas Equipment



(A) LP Gas Cylinders

All fittings are combined in one unit. All are equipped with a Filler Adapter and can be filled at any LP service station. NOTE: Cylinders are shipped empty.

- S-572612** Capacity, 12 lbs. Height, 10 in. Diameter, 12 in. Wt., 22 lbs. each **\$38.65**
- S-572620** Capacity, 20 lbs. Height, 15 in. Diameter, 12 in. Wt., 27 lbs. each **38.65**

(B) Cylinder Mounted Furnace

Mounts on S-572612 or S-572620 gas cylinder. Order cylinders separately. Furnace burns either propane or butane—propane is recommended.

- S-573986** Wt., 10 lbs. each **\$27.00**

(C) Bench Type Furnace

Furnace connects to either S-572612 or S-572620 cylinder with S-575335 ¼-in. 10-ft. hose. If another type cylinder is used, connect with S-575337 ¼-in. 10-ft. hose with P.O.L. fitting. Base interchangeable with S-575086 Heater.

- S-573985** Wt., 20 lbs. each **\$42.00**

(D) B Gas Cylinder Sling

For hoisting and transporting 200-cu.-ft. cylinders of nitrogen. Hot dip galvanized finish.

- S78060** Weight, 15 lbs. each **\$25.74**

(E) Torch Kit

Torch kit consists of: fuel tank, burner assembly with pencil point burner, heavy duty burner tip, chisel point soldering tip, flame spreader, and spark lighter.

- S-575524** Weight, 4½ lbs. each **\$11.07**

(F) Solder Pot

Loop in handle helps to keep pot from spilling. Capacity, 35 lbs. of lead.

- S-576980** Outside diameter, 7¾". Weight, 7 lbs. each **\$7.10**

(G) Folding Windshield

Four sides; with welded steel grate. Folded, 23x17½x2 in. Wt., 27 lbs. each **\$36.52**

Propane Replacement Parts

(H) Filter Adapters

- S-570005** Female Adapter. Connects standard P.O.L. to single cylinder and multiple cylinder valves. each **\$3.70**
- S-570009** Male Adapter. Connects standard P.O.L. hose stem to ⅜ or ¼-in. thread Adapter. each **3.70**

Tip Assemblies

- S-578788** Broad Flame. For B91 Torch. each **\$8.80**

Gas Hose

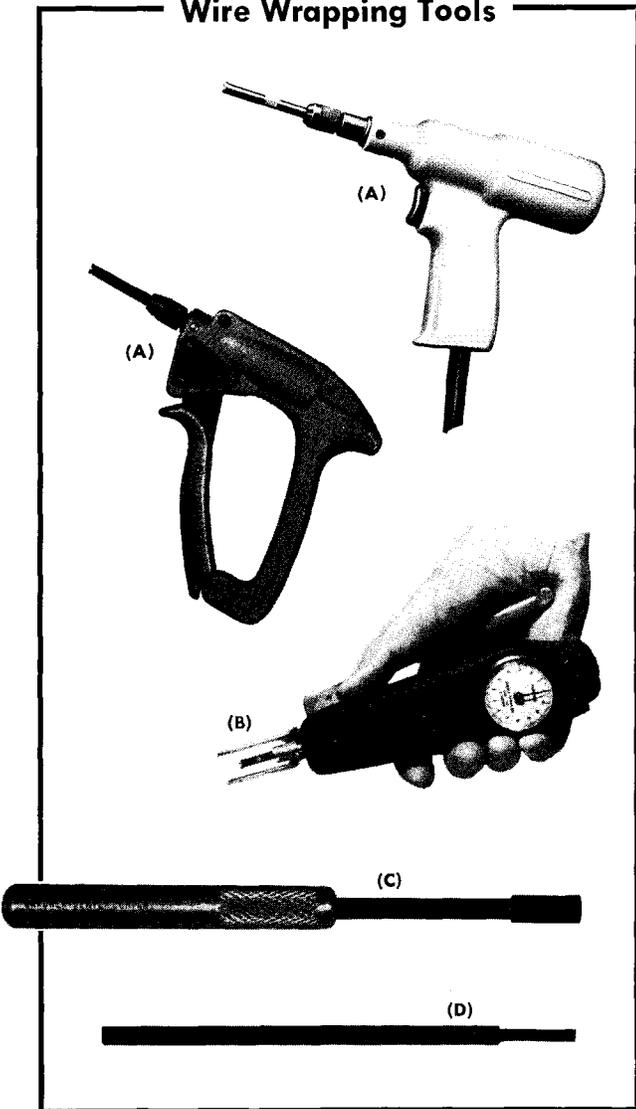
- S-575335** ¼-in.x10-ft. with nut on both ends. . . each **\$11.25**
- 575337** ¼-in.x10-ft. with nut on one end, P.O.L. hose stem on other end. each **11.25**
- S-575336** ¼-in.x25-ft. with nut on both ends. . . each **20.81**

P.O.L. Tank Holders

- S-575212** With swivel snap, safety chain and spring clip. each **6.25**

Prices are subject to change without notice.

Wire Wrapping Tools



(A) Wire Wrapping Tools—electric and hand

For each hand-operated or electric wrapping tool, order one Wrapping Bit and one Stationary Sleeve to complete assembly.

Special electric model with nose assembly spring, to prevent excessive back-force pressure, available on special order.

S-637531 Electric Wire Wrapping Tool only. Order Bit and Sleeve separately. Wt., 2½ lbs..... each **\$100.00**

S-588840 Hand-operated Wire Wrapping Tool only. Order Bit and Sleeve separately. Wt., ½ lb..... each **43.75**

Wrapping Bits and Stationary Sleeves

For use with both electric and hand-operated wrapping tools.

Wire Wrap Bits			Associated Wire Wrap Sleeves		
Order No.	AWG Wire	Price Each	Order No.	AWG Wire	Price Each
S-588848	22	\$12.86	S-588853	22/24	\$4.52
S-588849	24	12.26	S-588854	24/26	4.52
S-580298	26	12.86	S-588854	24/26	4.52
S-580299	28	19.37	587282	28/30	11.71

NOTE: All bits and associated sleeves weigh ⅛ lb. each.

**Cutting and Stripping Attachments—
For Electric Wire Wrapping Tool 14B1A**

- A-25406-10** 22 and 24 gauge combination each **\$60.00**
- A-25406-3** 22 gauge..... each **55.00**
- A-25406-1** 24 gauge..... each **55.00**

(B) Wire Wrapping Tester

Lightweight hand tool. One hand operation. Checks the gripping strength of solderless wrap connections by a 0-14,000 gram force gauge. Holds the actual failure force on dial until reset.

637420 each **\$271.70**

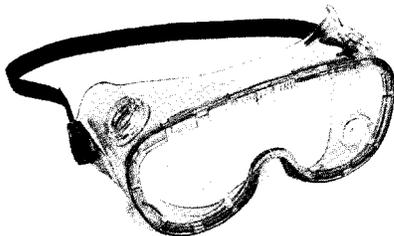
(C) Hand Wrapping Tools

- 588844** For 22-gauge wire. Wt., ¾ lb..... each **\$17.59**
- S-588793** For 24-gauge wire. Wt., ¾ lb..... each **17.38**

(D) Hand Unwrapping Tool

S-588859 For 20-26-gauge wire. Wt., ¾ lb..... each **6.19**

Airflow Goggles



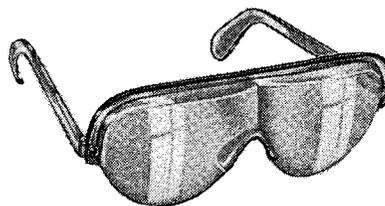
Deep design gives ⅜-inch spacing between lens of Flex and personal glasses—no transmission of impacts.

Adjustable headband.

- S-574106** Goggle Complete without Case..... per pair **\$1.31**
- S-575906** Clear Replacement Lens only..... each **.41**

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Saf-I-Spec Goggles



All-plastic goggle. Clear anti-glare lens for all types of hazards.

- S-574107** Large Goggle..... per pair **\$1.75**
- S-571651** Brown Plastic Case only..... each **.35**

Prices are subject to change without notice.

Gloves

(A) Rubber Gloves

Conform with all A.S.T.M. specifications. Curved finger design provides maximum flexibility for handling small parts. 10,000 volt rated. Standard length, 14 inches. Weight per pair, ¾ lb.

- S-574069** Size 9.....per pair **\$12.80**
- S-574070** Size 10.....per pair **12.80**
- S-574071** Size 11.....per pair **12.80**
- S-574072** Size 12.....per pair **12.80**

(B) Leather Protectors for Rubber Gloves

Curved finger, inseam design; Gunn cut. Available in out-seam, chute cut on special order.

Cuff 4 inches. Overall length, 12½ inches. Weight, ½ pound.

- S-577119** Size 9.....per pair **\$5.59**
- S-577120** Size 10.....per pair **5.59**
- S-577121** Size 11.....per pair **5.59**
- S-577122** Size 12.....per pair **5.59**

(C) Linemen's Horsehide Leather Gloves—with extra leather tip on fingers

- S-577123** Size 10. Wt. per doz., 6 lbs.....per pair **\$4.35**

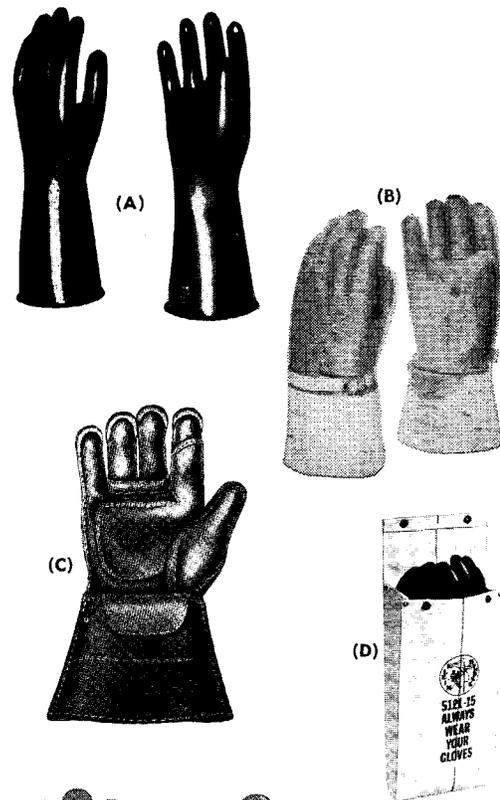
(D) Canvas Glove Carrier

Carriers are 8 inches wide, 15 inches long, 2¾ inches at bottom. Expansion at top is 5½ inches. Weight, ⅞ lb.

- S-570070**each **\$5.83**

(E) Wiping Gloves

- S-574082** For right or left hand.....each **\$6.68**



Oily Waste Cans

With Foot Lever—UL Approved

- S-670825** Capacity, 10 gal. 13½ x 15 in.
Wt., 14 lbs.....each **\$19.40**

Fluorescent Safety Vests

- S-579096** Universal size. Orange vinyl.....each **\$3.25**

Disposable Hat Liners

- S-575987**each **\$1.18**

Safety Hat Holders

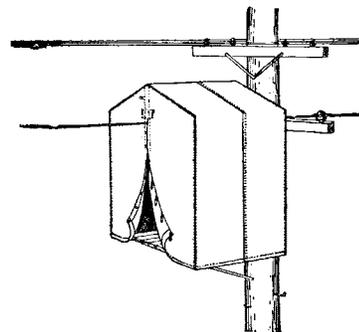
- S-575207** Fits over automobile seat top.....each **\$2.03**

Tent and Umbrella Assemblies

Umbrella holder with brackets for mounting on stand or manhole guard rail. A curtain forms a tent wall when fastened to umbrella. Upper portion of curtain is yellow vinyl coated nylon; clear vinyl lower portion. Six hook assemblies included.

- S-578685** Tent and Umbrella Assembly.....each **\$217.41**
- S-579089** Umbrella and Pole only. Reinforced yellow plastic; white liner. Diameter, 68 in. Pole, 72 in. Wt., 10 lbs.....each **39.60**
- S-575213** Umbrella Holder only.....each **74.63**
- S-572535** Curtain only.....each **61.69**
- S-575290** Six Hook Assemblies only.....each **2.49**

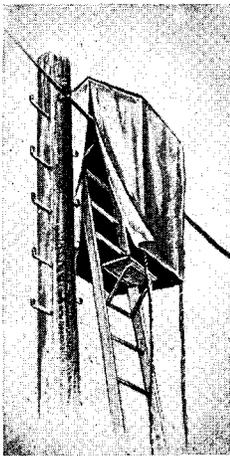
Cable Splicers' Tents



Galvanized frame. Laced openings on both sides. 104x54½ in.

- 578680** Depth, 38 in. Wt., 34 lbs.....each **\$103.75**
- 578681** Depth, 54 in. Wt., 41 lbs.....each **121.77**

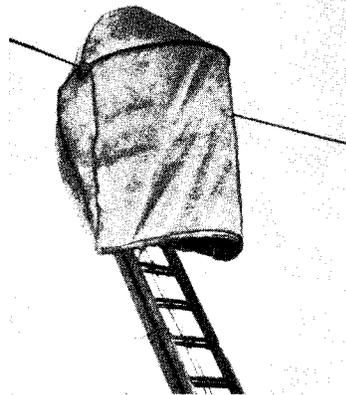
Prices are subject to change without notice.



Aerial Tents

Fire and water resistant canvas. Collapsible aluminum frame. Vertical openings on both sides for cables. 104x52 inches. Weight, 30 pounds.

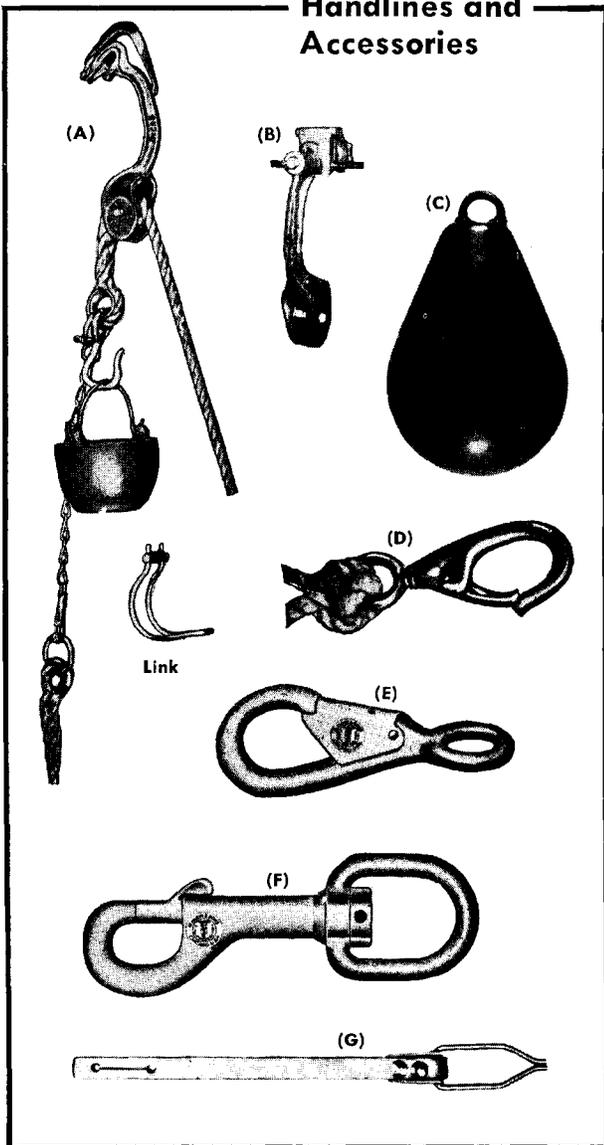
- S-572485** Cover only . . . each **\$77.22**
- S-573930** Frame only . . . each **44.55**



Ladder Tents

- S-578683** Canvas Cover and Frame. 42-in. diameter. Wt., 15 lbs. each **\$113.85**
- S-572486** Canvas Cover only. each **64.35**
- S-573931** Frame only. each **54.45**

Handlines and Accessories



(A) Aerial Handline

Furnished with 60-foot 1/2-inch manila rope, chain assembly and handline link.

One end of rope is spliced with galvanized rope thimble containing a ring and hook, for lead pots, etc. Other end is spliced with a thimble and ring.

Handline is capable of withstanding 200 pound load.

Aerial handline only, chain only, link only are available separately on special order.

- 574979**—Weight per set, 8 pounds each **\$25.55**

Spliced to eye of snap hook with galvanized steel thimble. Snap hook has a 2000-pound safe load rating.

- S-574980** Length, 75 feet. Weight, 3 1/2 pounds. each **\$11.39**

(B) Handline Block

- S-571120** Wt., 4 lbs. each **\$46.66**

(C) Handline Throwing Weight

Heavy sponge-rubber insulation around lead core. Diameter, 3 in. Length, 4 1/2 in. Weight, 13 1/2 oz.

- S-579130** each **\$3.54**

(D) Malleable Swivel Snap—hot galvanized

Specially made for use on hoisting buckets, hand lines, etc. NOT FOR USE ON SAFETY LIFE LINES.

Ordering No.	Eye Size In.	Overall Lgth. In.	Throat Open. In.	Wt., Lbs. per 100	Price Each
S-578115	3/4	5	5/8	38	\$1.66

(E) Hand Line Snap Hook

Ordering No.	Eye In.	Snap Opens to In.	Safe Load Lbs.	Wt., Lbs. per Doz.	Price Each
S-575272	1	3/4	2000	6 1/2	\$2.13

(F) Swivel Hand Line Snap

For 1/2-inch or lighter hand lines.

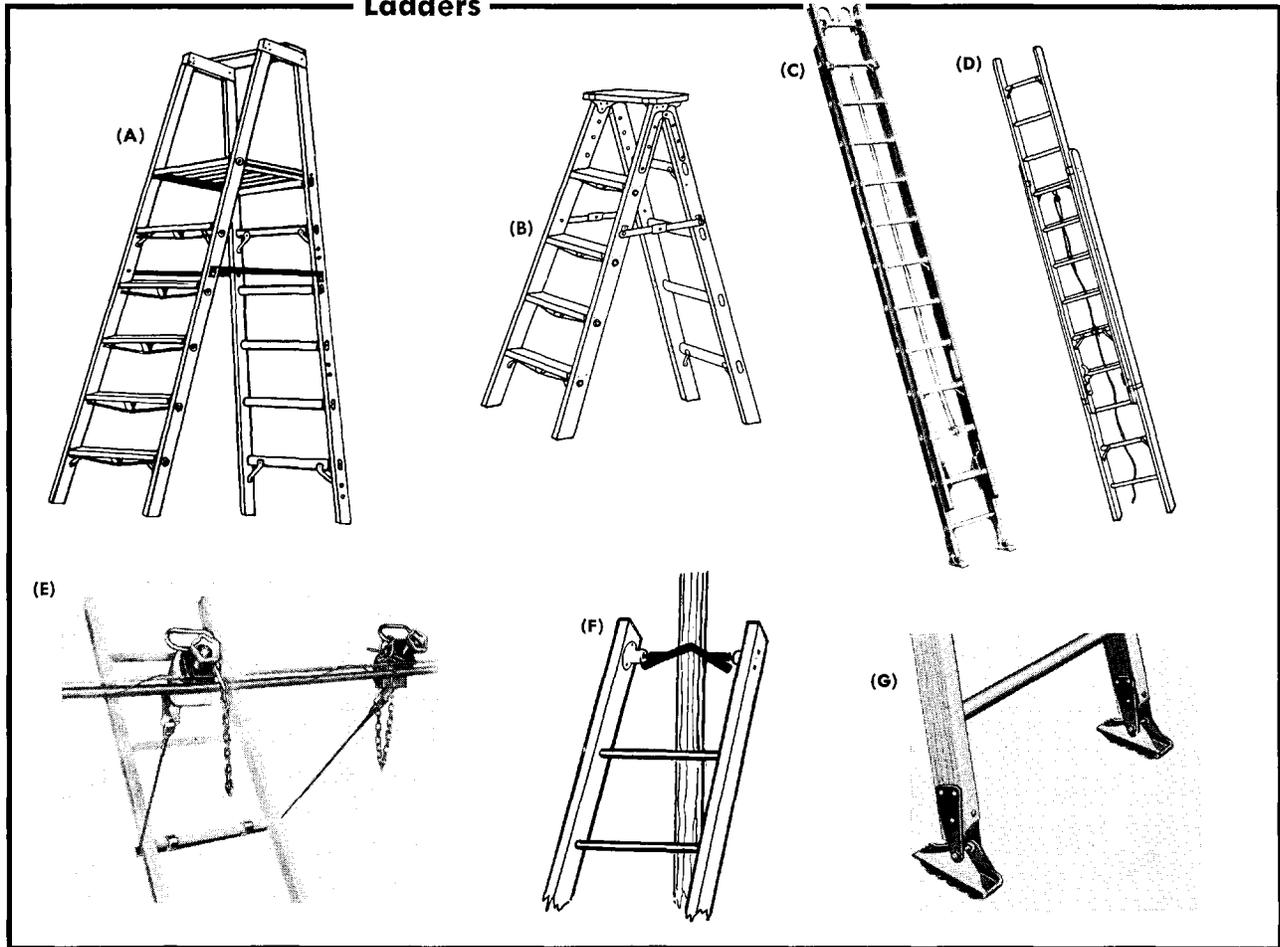
- 578119** Weight per dozen, 3 pounds. each **\$2.01**

(G) Handline Safety Clip

Leather thong with clip releases handline at tension of between 8 and 12 lbs. Overall length, 10 1/2". Weight per dozen, 1 1/2 lb.

- S-571626** each **\$.66**

Ladders



(A) Wood Platform Ladders

- S-584406** 6 ft. Wt., 35 lbs. each **\$58.81**
- 584408** 8 ft. Wt., 43 lbs. each **74.84**

Rolling Step Ladder

- 713475** Wheels lock when weight applied. 6 ft. each **\$131.25**

(B) Wood Safety Step Ladders—heavy-duty type

- S-575595** 4 ft. Wt., 22 lbs. each **\$27.95**
- S-575597** 6 ft. Wt., 30 lbs. each **37.68**
- S-575599** 8 ft. Wt., 38 lbs. each **50.40**

(C) Fiberglass Extension Ladders

Furnished in two sections, complete with spring locks, ropes and pulleys. Equipped with strand hooks and safety shoes, a spring-loaded rung lock, rope, rung braces (top and bottom rung only) and rail protectors.

- 575559** Length, 24 ft. Wt., 41 lbs. each **\$151.07**
- 575560** Length, 28 ft. Wt., 48 lbs. each **173.35**

(D) Wood Extension Ladders—Cunilate treated, with strand hooks and duo-safety shoes

Furnished complete with spring lock and with rope and pulley. All extension ladders are in two sections.

- S-575583** 24 ft. each **\$103.02**
- S-575585** 28 ft. each **115.98**
- S-575587** 32 ft. each **128.94**
- 575589** 36 ft. each **146.53**

(E) Ladder Support

Supports ladder from cable strand. Two strand clamps with safety chain. Two 34-in. wire rope cables hold steel bar under rung. Two steel rung clips. Wt., 11 lbs.

- S-578470** each **\$29.70**

Collapsible Ladder Stand

Mounts on ladder to provide firm platform. Wt., 11 lbs.

- S-578212** each **\$35.64**

(F) Self-Centering Safety Top Rung

Rubber rung with steel core. Furnished complete with mounting hardware. Eleven inch minimum between side rails.

- S-577536** Wt., 2½ lbs. each **\$5.17**

(G) Duo-safety Ladder Shoes

- S-577903** Wt. per pair, 3 lbs. per pair **\$3.75**

Telephone Ranging Rods with Spring Catch and Locking Pin



- S-577380** Two-Section Rod. 8 ft. long. Wt., 3½ lbs. each **\$12.90**

- 573730** 4 ft. Extension Section. Wt., 1¼ lbs. each **7.20**

Wire Connecting Tools



- S-578938** Connecting Tool. For use with Type 66A Blocks. Wt., 4 oz. each **\$4.23**

- S-570990** Replacement Blade only. each **3.52**

Prices are subject to change without notice.

Three Strand Manila Rope

Water and Rot Resistant

Ordering No.	Diam. In.	Ft. per Lb.	Approx. Length Ft.	Wt. Lbs.	Price per coil
S-577452	1/4	50	1200	26	\$35.84
S-577453	3/8	26	600	26	34.84
S-577454	1/2	13.2	600	45	61.78
S-577455	5/8	7.52	600	80	106.29
S-577456	3/4	6	600	100	128.45
S-577458	1	3.71	325	100	104.60

Anchor Hooks for Tackles

S-575240: Inside Diameter, 5/8 In. S-575241: Swivel Type

Ordering No.	Approx. Lgth. In.	Across Hook In.	Safe Load Lbs.	Wt., Lbs. per Doz.	Price Each
S-575240	5 1/2	3 1/4	1500	4	\$1.70
S-575241	6 1/2	3 1/4	1500	4 1/2	2.22

Self-Locking Block Tackles

S-578490	Block Tackle. With 25-ft., 3/8 in., 4 strand rope. Weight, 3 lbs.....	each	\$10.40
S-578491	Block Tackle. With guarded snaps, detachable swivel anchor hook and 25-ft., 3/8-in. rope (not spliced to block). Weight, 3 1/2 lbs.....	each	10.94
S-577451	Replacement Manila Rope. Weight, 1 lb.	each	2.50

Iron Tackle Blocks

Drop forged connections and shells. No rope jamming between shell and sheave. Shackle connection used for guy block.

S-571131	Single sheave, 3-inch pulley. Wt., 1 1/4 lbs.....	each	\$8.01
S-571132	Double sheave, 3-inch pulley. Wt., 2 lbs.....	each	13.27
S-571133	Triple sheave, 3-inch pulley. Wt., 3 lbs.....	each	18.39
S-571143	Triple sheave, 4-inch pulley. Wt., 5 lbs.....	each	20.02



Single Sheave Iron Snatch Blocks

Flat, stiff, safety locking swivel hook. All connections drop forged. Galvanized finish.

For Manila Ropes. Eastern type shell. Roller bushings. 6-inch pulley. Weight, 9 1/2 pounds.

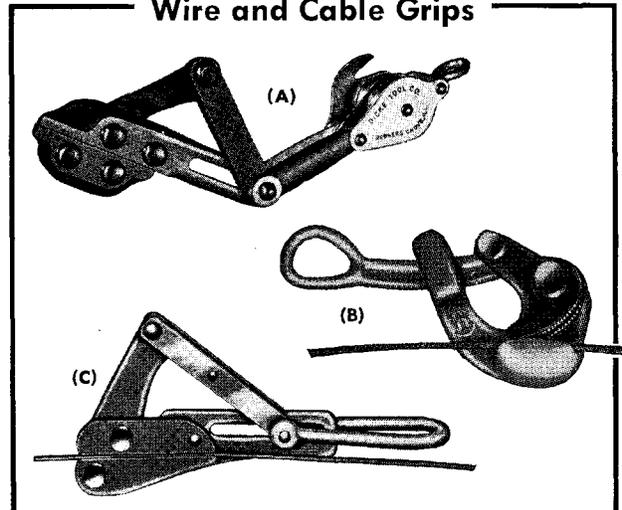
For Wire Ropes. Graphite bronze bushing shells prevent rope from jamming. Rope guard keeps wire in sheave sleeve. 8-inch pulley. Weight, 32 pounds.

S-571166	For manila ropes.....	each	\$31.47
S-571168	For wire ropes.....	each	45.06

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Prices are subject to change without notice.

Wire and Cable Grips



(A) Wire Grip for Bare Wire— with pulley for 3/8-in. rope

Ordering No.	Diameter Wire Inches	Safe Load Lbs.	Wt. Lbs.	Price Each
S-574317	.080 to .250	1500	2 1/4	\$6.65

Wire Grip for Bare Wire— without pulley, for hook or snap

Ordering No.	Diameter Wire Inches	Safe Load Lbs.	Wt. Lbs.	Price Each
S-574316	.080 to .250	1500	1 1/2	\$5.55

Grip for Insulated Wire

Ordering No.	Diameter Wire Inches	Type	Safe Load Lbs.	Wt. Lbs.	Price Each
S-574319	.187 to .510	Solid	2500	3 1/4	\$11.10

(B) Steel Grips for General Work

Ordering No.	Wire Size	Safe Load Lbs.	Wt. Lbs.	Price Each
S-574321	No. 4 and Finer	2500	1	\$6.08
S-574322	1/2-Inch and Finer	5000	2 1/4	7.47

(C) Chicago Grips for Bare Wire

Ordering No.	Diameter Wire Inches	Safe Load Lbs.	Wt. Lbs.	Price Each
S-574305	.081 to .162	1500	1 1/2	\$5.49
S-574325	.102 to .373	4500	3	10.53

Chicago Grips for Cable and Strand— for heavy loads

Ordering No.	Opening Inches	Safe Load Lbs.	Wt. Lbs.	Price Each
S-574281	1/2 to 5/8	8000	6	\$15.50
S-574285	3/16 to .69	15000	15 1/8	38.51

Chicago Grip for Weatherproof Wire

Ordering No.	Diameter Wire Inches	Safe Load Lbs.	Wt. Lbs.	Price Each
574323	.198 to .420	4500	3	\$9.47

Chicago Grip for Figure 8 Telephone Cable

Ordering No.	Diam. Cable In.	Support Wire Inches	Safe Load Lbs.	Wt. Lbs.	Price Each
S-574288	.149	.109 to .174	1500	1 1/2	\$9.31

Strand Grip

Ordering No.	Cable Size In.	Safe Load Lbs.	Wt. Lbs.	Price Each
S-574287	1/4	5000	6	\$26.59

Steel Letters and Figures



For stamping on all metals except hardened and tempered steel.

Full sets (27 pieces) of letters A to Z and period. Figures (9 pieces) 0 to 9. Gothic style letter.

Letters				
Cat. No.	Size, In.	Steel Length In.	Wt., Lbs. per Set	Price Per Set
S-572689	1/8	1/4x2 1/4	2 1/4	\$17.85
Figures				
S-572693	1/8	1/4x2 1/4	3/4	\$5.95

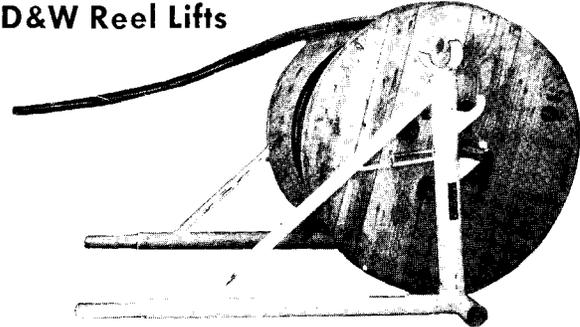
Flat Tarpaulins

Flat full-weight canvas-duck covers, of highest public utility grade, No. 1 telephone green. Thoroughly waterproofed with all seams double stitched, heavy brass grommets and patches placed on approximately 6-foot centers all around. Equipped with ropes.

Other sizes available on special order.

S-578650	8x10 ft.	Wt., 8 lbs.	each	\$30.00
S-578651	10x12 ft.	Wt., 12 lbs.	each	45.00
S-578652	10x15 ft.	Wt., 15 lbs.	each	56.25

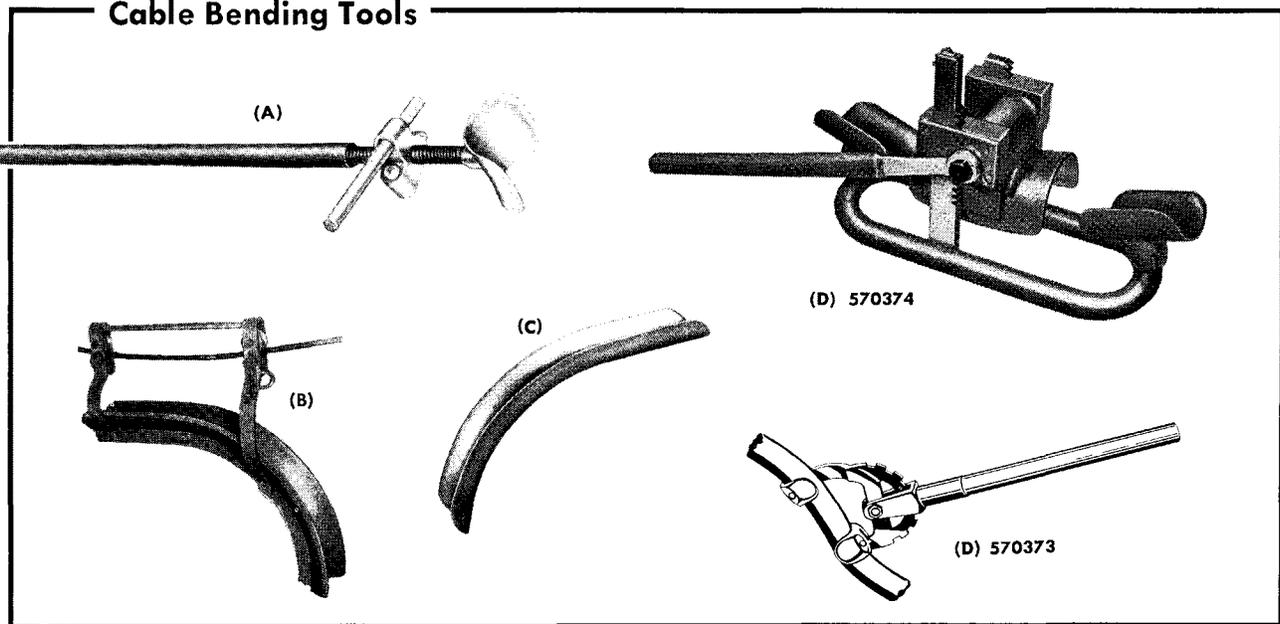
D&W Reel Lifts



Makes lifting and setting of heavy reels safer and easier. Compact and easy to carry. Protects floors, prevents tipping. Axle not included.

634439	Weight 31 lbs.	pair	\$95.00
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Cable Bending Tools



(A) Cable Bending and Racking Jack
S-575450 With two 15-inch extension sections.
 Wt., 11 lbs. each **\$22.28**

**(B) Cable Placing Shoes—
 for up to 3-in. cable**
S-577904 4x17x28 in. Wt., 8 lbs. each **\$58.22**

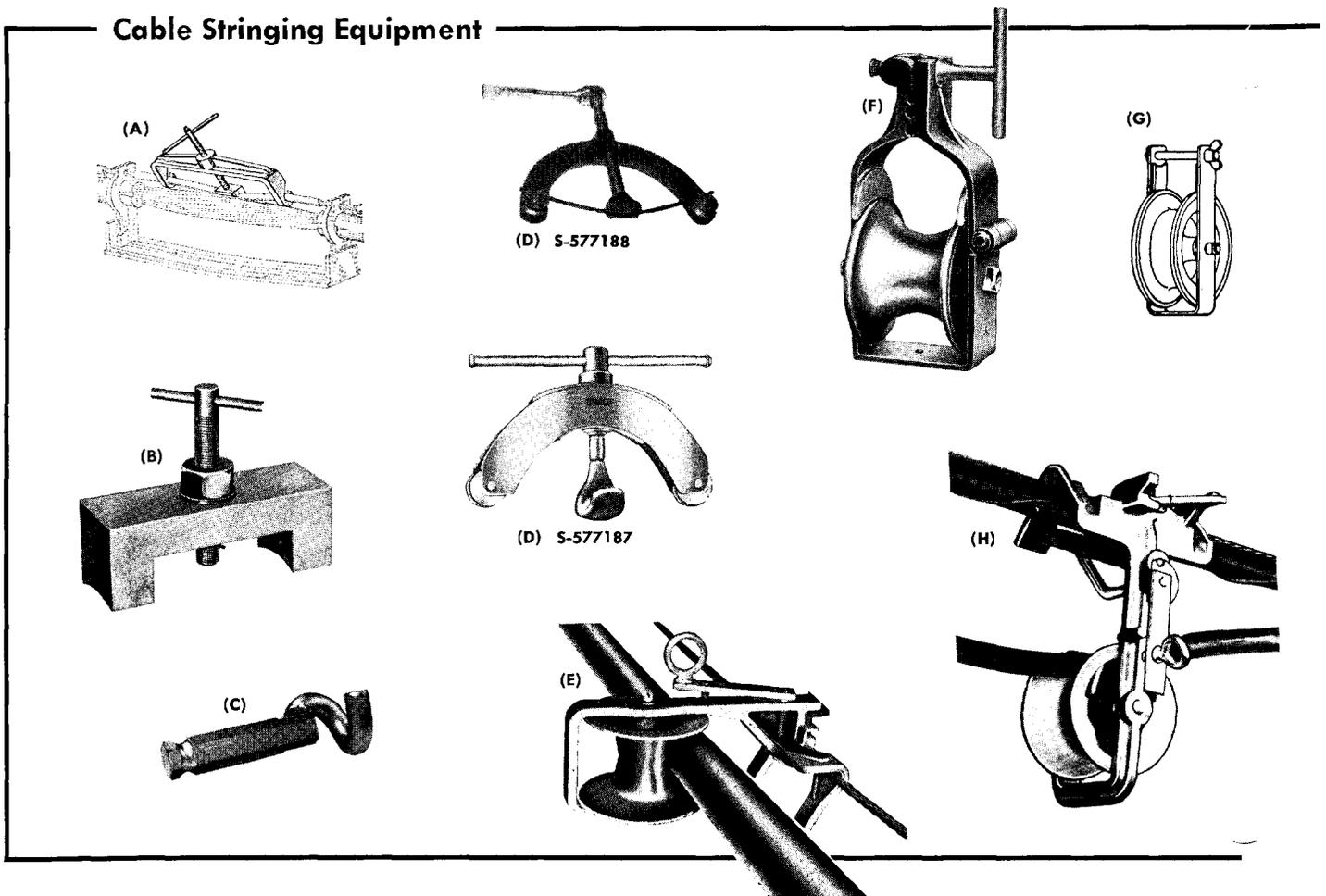
(C) Cable Bending Shoes
S-577901 For 3-inch cable. 7/32-in. hole on each
 end. Wt., 1 lb. each **\$2.97**

(D) Cable Benders
 For up to 3-inch cable.
570373 Length, 36 in. Wt., 15 lbs. each **\$84.75**
570374 Wt., 13 lbs. each **65.34**

Prices are subject to change without notice.

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Cable Stringing Equipment



(A) Cable Slackmaker

S-577186 Specify sliding rod handle or ratchet wrench. Length, 8 in. Wt., 2 lbs. each **\$13.25**

(B) Sheath Lifter

For 1-inch diameter or larger lead sheathed cable.
S-575967 Wt., ½ lb. each **\$4.95**

(C) Type J Drive Hook Puller

⅝" hex shank. Used with impact wrench.
577184 each **\$7.85**

(D) Slack Pullers

S-577188 With slide handle. Wt., 16½ lbs. each **\$53.71**
S-577189 With ratchet handle. Wt., 17 lbs. each **64.23**

(E) Single Sheave Steel Cable Block

Drop forged steel. Supplementary steel sleeve over the sheave pin increases strength of block. Easily opened to insert cable and clamp onto messenger wire. Standard block will take up to 2⅝-inch diameter cable. Available for larger size diameter cable on special order.

Weight, 10 pounds.
S-571100 each **\$64.24**

(F) Type D Cable Block

Supports up to 3-in. diameter aerial cable. Reversible locking lever.
S-571104 Wt., 3¾ lbs. each **\$20.30**

(G) Type E Cable Block

571106 Type E Cable Block. Sheave for all frames. Weight, 8½ lbs. each **\$37.13**

(H) Type F Cable Block

Supports aerial cable on strand prior to lashing. Can be used in dual lashing.
571105 Weight, 3¾ lbs. each **\$22.28**

4-Roller Cable Corner Block

Used at corner poles. Minimizes risk of sheath damage by reducing friction when pulling in cable through blocks.
571103 each **\$191.85**

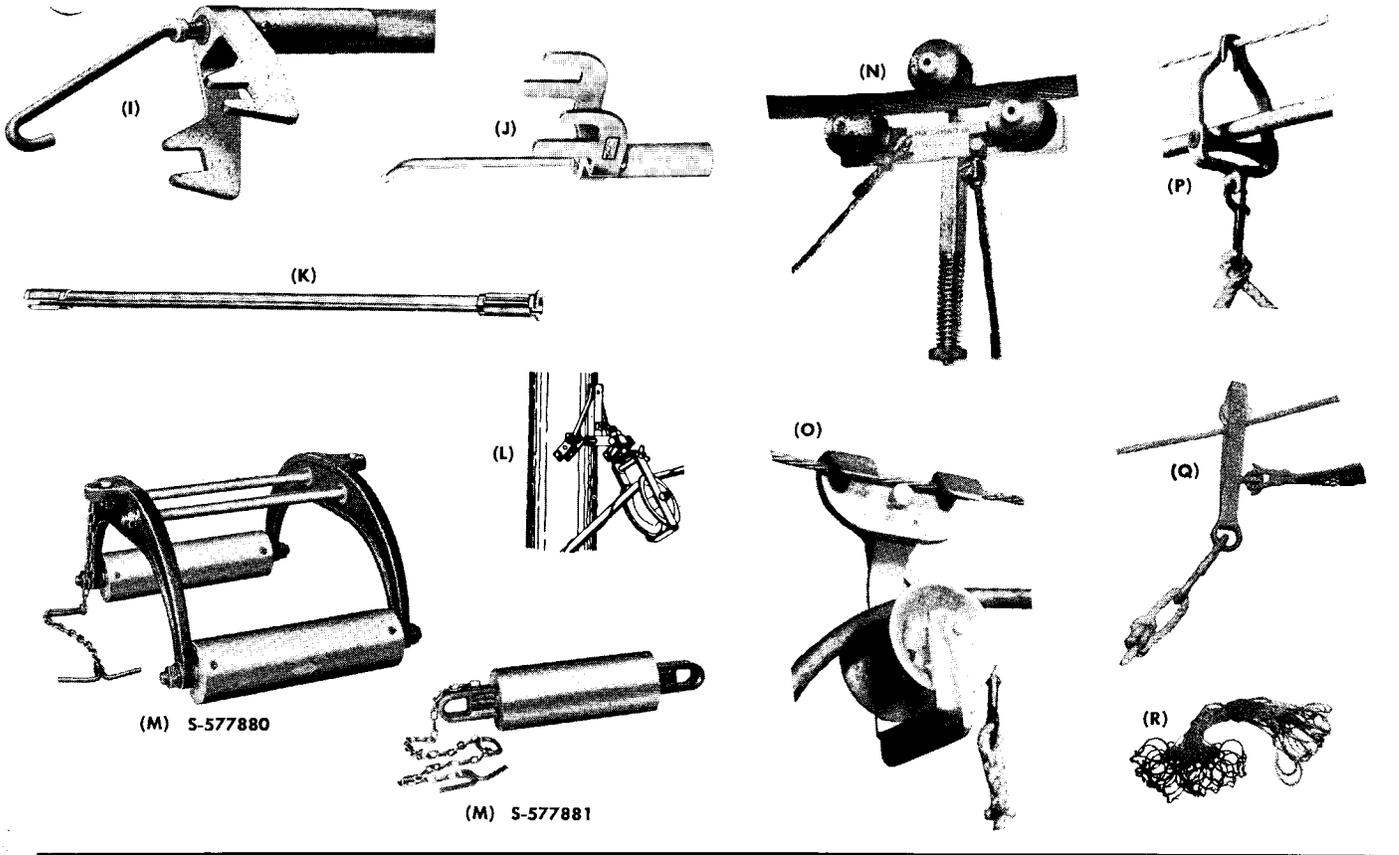
(I) Cable Block Lifter

Used with trimmer poles to place S-571104 Cable Blocks on strand.
S-575965 Two 180-degree hook positions. Wt., ¾ lb. each **\$9.90**

(J) Type D Cable Block Lifter

575964 Weight, ¾ lb. each **\$9.90**

Cable Stringing Equipment



Cable Blocking Dolly

Permits placing cable in blocks ready to lash on the first pass—simplifies placement on fieldside, or through trees. Eliminates need for towing line.

572750 Weight, 2 lbs.....each **\$133.35**

(K) Cable Block Pusher

For pushing D or F cable blocks along 1/4" or 1/2" diameter suspension strand during lashing operations. Cannot fall off while lashing.

577195 Weight, 2 lbs.....each **\$17.33**

(L) Cable Block Frames

573922 Type B Cable Block Frame for end poles of pull. Less sheave. Weight, 11 lbs.....each **17.33**

573923 Type C Cable Block Frame. In-line poles (corners up to end including 3-ft. pole). Less sheave. Weight, 11 lbs.....each **22.28**

573924 Type D Cable Block Frame. Light inside corners (4 feet to and including 8-ft. pole). Less sheave. Weight, 11 lbs.....each **44.55**

573925 Type E Cable Block Frame. Heavy inside corners (pole over 8 ft.). Less sheave. Weight, 20 lbs.....each **79.20**

573926 Type F Cable Block Frame. All outside corners (4-ft. pole and over). Less sheave. Weight, 38 lbs.....each **74.25**

3-Roller Aerial Cable Guide

For lashing a second cable to an existing cable directly, without removing the old lashing wire.

574605.....each **\$173.45**

(M) Strand Shifters

577880 Used when pull is toward corner pole. Two aluminum rollers in steel frame; brackets for connecting bolts. Wt., 24 lbs.....each **\$64.35**

577881 Used when pull is away from corner pole. One aluminum roller on a shaft; loops at each end for connecting bolts. Wt., 11 lbs.....each **31.68**

577882 Type D Strand Shifter, for transferring at in-line poles. Weight, 6 lbs.....each **84.15**

577883 Type E Strand Shifter, for transferring at corner poles. Weight, 6 lbs.....each **47.52**

(N) Connector Grounder

S-574361 Permits temporary grounding of messenger while placing aerial cable. For 1/16 to 1/2-in. diameter conductors.....each **\$82.75**

(O) Cable-Placing Rollers

S-577408 Wt., 5 lbs.....each **\$53.93**

(P) Bronze Cable-Placing Rings—for all cable sizes

577351 Without rope. Wt., 1 lb.....each **\$10.01**

(Q) Cable-Placing Ring Guide Roller

574611 Wt., 4 lbs.....each **\$41.10**

(R) Steel Cable-Placing Rings

Rings distribute themselves every five feet along length of the span. Furnished in sets of 20, with 110 feet of rope.

S-577350 Wt., 5 1/2 lbs.....per set **\$29.90**

Prices are subject to change without notice.

Cable Spinning Equipment

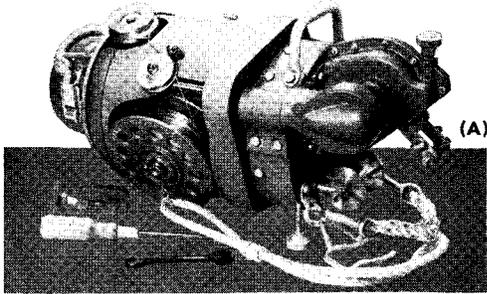
(A) Model D Pull-Type Spinner

Adjusts to 2¼-in. cable.

Spinning wire supply is always visible. A ratchet on the strand wheel makes it impossible for the spinning wire to slack off when pull on the tow line is released.

Furnished with one lashing wire clamp, two adjustment wrenches, one screwdriver, one open end wrench, one tow rope. 22x10x10 in.

Model D Weight: spinner only, 43 lbs.; spinner with chest, 75 lbs. each **\$876.81**



(B) Model K Pull-Type Spinner

Lashes 3 individual cables to one strand. May be used for multiple or single cable jobs.

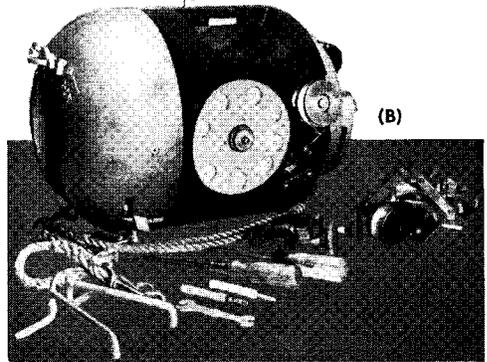
Maximum capacity, three 2-inch o.d. cables; will spin single cable from minimum o.d. to 3½ inches o.d.

Use with one or two coils and all sizes and types of spinning wire.

Spinning drum makes one complete revolution each 17 inches of forward progress. With both spinning wires being used, this gives a double 17-inch spiral or a support every 8½ inches. With a single spinning wire being used there will be a single 17-inch spiral of wire.

Supplied with 2 lashing wire clamps, tow ropes, and a sturdy chest. 19x12 in.

Model K Weight: spinner only, 36 lbs.; spinner with chest, 75 lbs. each **\$1350.37**



(C) Model S Pull-Type Spinner

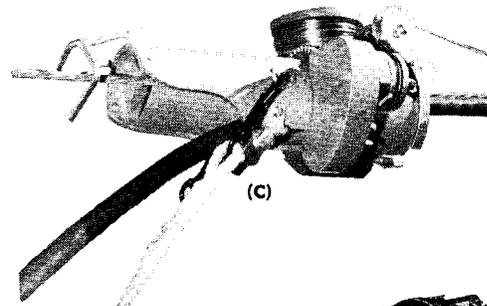
Adjusts to 1-in. cable.

Can be used in two ways for spinning small cable. One is when the spinner stays stationary and the wire and strand are pulled through the spinner. The other is when the strand and cable are already placed and the spinner is pulled along the strand.

There are no settings or adjustments to make, just thread the lashing wire in the machine and it is ready to operate.

Uses .045 or .016 wire, spins a 12-inch spiral with the correct tension, receives its spinning action from the lashing wire as it pays out.

Model S Wt., 14 lbs. each **\$291.28**



(D) Model F Cable Lasher

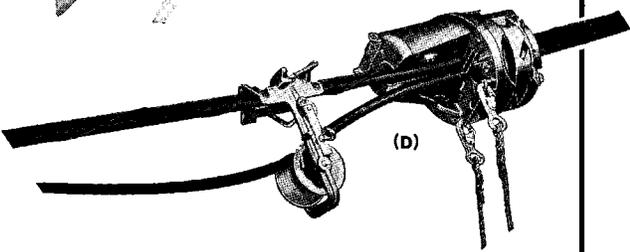
For cables up to 3¼ inches in diameter on suspension strands from ¼ to ½ inch.

Lashes two or more cables to a single suspension strand provided that the total diameter of the cable assembly does not exceed 3 inches.

Holds two 1200 ft. coils of .045-inch wire; when extra strength is desired double-feed lashing wires may be used.

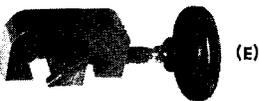
Includes fingertip-operated, all-range strand tensioning device; self-registering drum lock; two way brake to prevent roll-back and center feed non-rotating wire coil.

S-634421 Complete with case. Wt. without case, 43 lbs. each **\$767.25**



(E) Lashing Wire Clamp

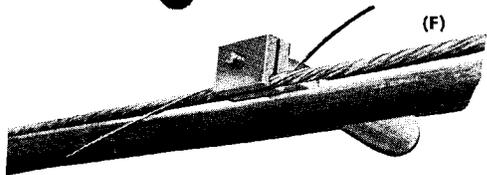
S-571881 Wt., 1 lb. each **\$10.03**



(F) Lashing Wire Grip

For all size lashing wire on most size strand. Not a permanent installation. Wt., 10 oz.

S-574315 each **\$5.45**



Underground Cable Equipment

(A) 4-Inch Cable Feeders

Inside diameter, 3 $\frac{3}{16}$ inches.

- 573803** Length, 9 ft. Wt., 16 $\frac{1}{2}$ lbs. each **\$146.35**
- 573804** Length, 12 ft. Wt., 22 lbs. each **188.80**

Nozzles for Cable Feeders

- 576126** Conduit diam., 3 in. Wt., 2 $\frac{3}{4}$ lbs. each **\$18.95**
- S-576127** Conduit diam., 3 $\frac{1}{2}$ in. Wt., 2 $\frac{3}{4}$ lbs. each **19.15**
- 576128** Conduit diam., 4 in. Wt., 2 $\frac{1}{2}$ lbs. each **19.80**

(B) Pulling Frames

Used in manholes as a guide for the pulling line and cable when placing or removing underground cable.

- 632301** Length, 12 $\frac{1}{2}$ ft. Weight, 115 lbs. each **\$272.25**
- 632302** Length, 15 ft. Weight, 174 lbs. each **301.95**

(C) Portable Wire or Cable Puller

For pulling wire or light cable through long conduit runs. Pull is always in line with conduit-- no strain on hanger or outlet box. Two-speed ratchet winch on steel frame with an offset sheave at one end. Winch carries 200 ft. of aircraft type steel cable. Wt., 29 lbs.

- 635914** each **\$108.54**

(D) Manhole Sheave

For pulling in and removing cables from manholes.

- 637200** 24 in. high, 25 in. deep. Weight, 32 lbs. each **\$148.50**

(E) Cable Sheaves and Shackles

- 577831** Sheave Shackle. Size, 3 in. Wt., 32 lbs. each **\$33.66**
- 577841** Cable Sheave. 3 in. x 26 in. diam. Wt., 38 lbs. each **103.95**
- 577842** Cable Sheave. 3 in. x 11 in. diam. Wt., 15 lbs. each **49.50**

(F) Quick-Coupling Duct Rods

- S-577372** 3-ft. Duct Rods. Weight each, 12 oz. each **\$3.22**
- 570024** Adapter Set including coupling nut and two 12-in. rods. Weight of the set, 1 $\frac{1}{4}$ lbs. set **5.94**

Pulling Hooks

- 575269** For $\frac{3}{16}$ -in. diam. strand. Wt., 2 lbs. each **\$2.00**
- S-575268** For $\frac{1}{4}$ - $\frac{3}{16}$ -in. diam. strand. Wt., 2 lbs. each **4.50**

(G) Flexible Cable Pulling Grips—

single weave, one eye, plain

Ordering Number	Diam., In.	Length, In.	Maximum Strength, Lbs.	Ship. Wt., Lbs.	Price Each
S-574217	1 $\frac{1}{2}$ - $\frac{3}{4}$	18	2,800	1	\$5.42
S-574218	$\frac{3}{4}$ -1	24	3,350	1	6.08
S-574219	1-1 $\frac{1}{2}$	24	6,300	1 $\frac{3}{4}$	6.75
S-574220	1 $\frac{1}{2}$ -2	24	8,400	2	7.51
574221	2-2 $\frac{1}{2}$	24	12,300	2 $\frac{1}{2}$	8.17
574222	2 $\frac{1}{2}$ -3	24	15,400	3	8.84

Flexible Cable Pulling Grips—

single weave, double eye

- S-574205** $\frac{3}{4}$ -1 18 3,300 1 $\frac{1}{2}$ **\$7.51**
- S-574206** 1-1 $\frac{1}{2}$ 18 6,300 1 $\frac{1}{2}$ **8.17**

Flexible Cable Pulling Grips—

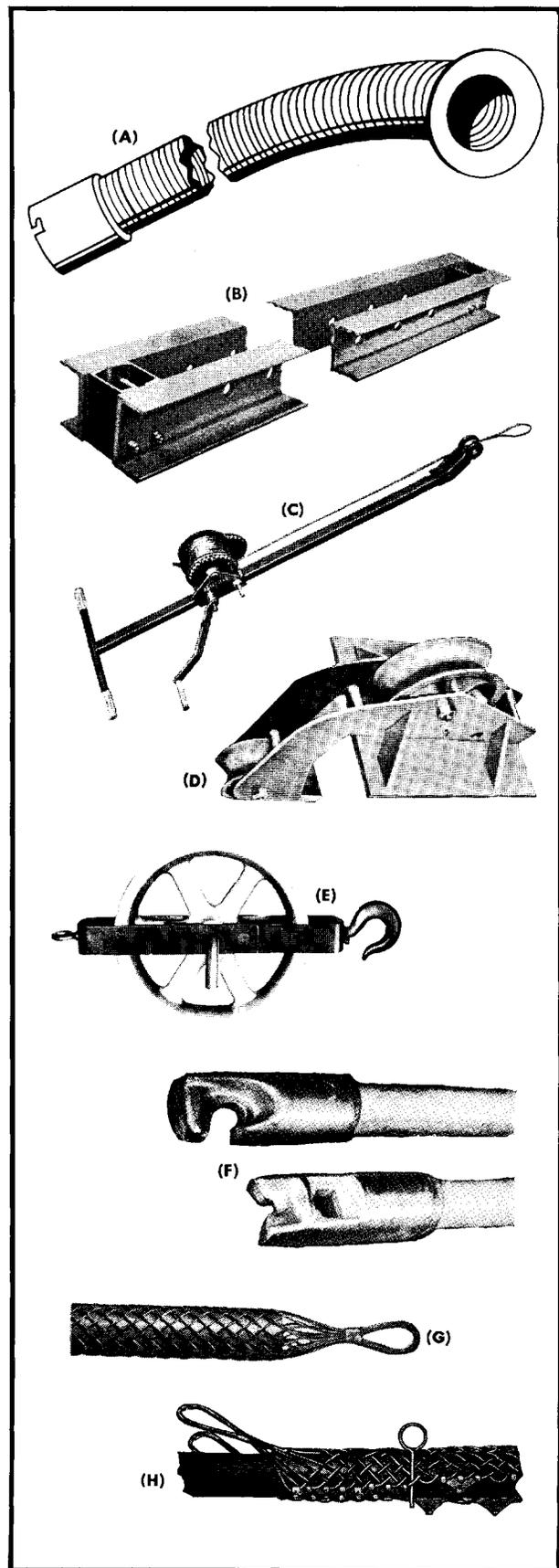
double weave, double eye, luffing

- S-574207** 1 $\frac{1}{2}$ -2 24 12,600 2 $\frac{1}{2}$ **\$10.83**
- S-574208** 2-2 $\frac{1}{2}$ 24 16,800 3 **11.50**
- S-574209** 2 $\frac{1}{2}$ -3 24 20,400 4 $\frac{1}{2}$ **12.26**

(H) Flexible Cable Pulling Grips—

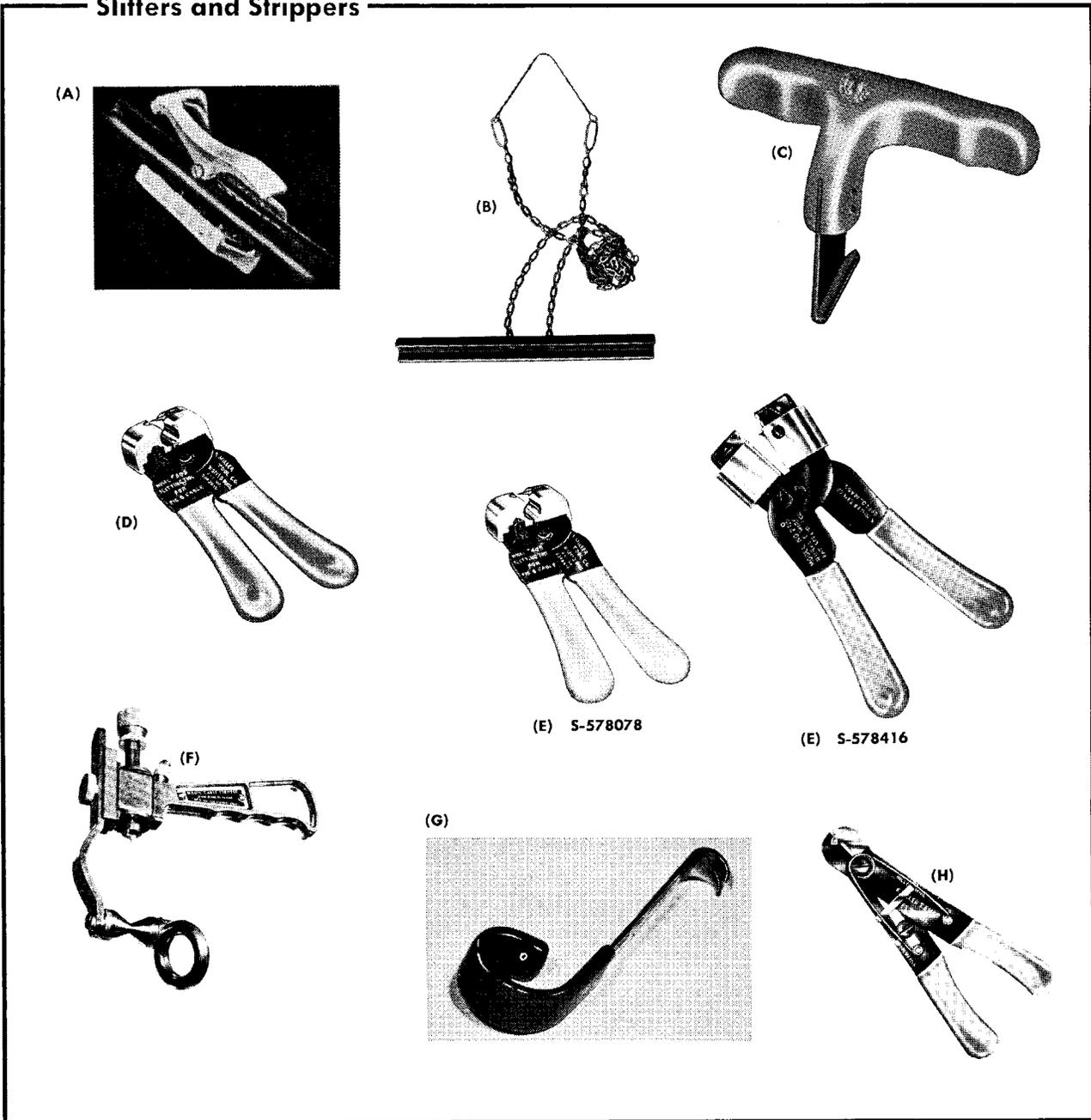
double weave, double eye, split

- S-574212** 1-1 $\frac{1}{2}$ 24 10,000 3 $\frac{1}{2}$ **\$10.83**
- S-574213** 1 $\frac{1}{2}$ -2 24 10,000 4 $\frac{1}{2}$ **11.50**
- S-574214** 2-2 $\frac{1}{2}$ 24 10,000 6 **12.92**



Prices are subject to change without notice.

Slitters and Strippers



- (A) **Type B Cable Sheath Slitter—**
for 1/2–1 1/2-inch diameter cable
S-578070 Slitter. Wt., 3/4 lb. each **\$8.42**
S-572560 Replacement Blade. each **1.73**
- (B) **Type B Lead Sleeve Slitter**
 Consists of a steel channel, two short chains, two swivel
snaps, and a steel slitting wire. Weight, 14 ounces.
S-578075 each **\$3.71**
- (C) **Slitting Tool for Control Cable**
S-578072 4 1/2 x 2 1/2 in. Wt. per doz., 3 lbs. each **\$2.87**
S-570981 Replacement Knives and Roll Pins. . . each **1.33**

- (D) **Wire Slitter**
S-578076 Figure 8 Coaxial Web Slitter. each **\$12.00**
- (E) **Slitters and Strippers**
S-578078 Figure 8 Cable. Wt., 1/2 lb. each **\$11.88**
S-578416 ALPHA-C Wire. Wt., 1/2 lb. each **9.90**
578080 Figure 8 POLYPIC with .134 Messen-
ger. Wt., 1/2 lb. each **11.88**

- Replacement Blades**
S-570985 Stripping Blade for S-578416 Tool
only. Wt., 1/8 lb. per pair **\$2.25**
S-570984 Slitting Blade for all the above Tools.
Wt., 1/8 lb. each **.19**

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Prices are subject to change without notice.

Slitters and Strippers—Contd.

(F) Cable Strippers

- S-578413** Model T. Finger pull. For circumferential and straight cuts. $\frac{3}{8}$ to 2-in. o.d. each **\$24.50**
- S-578411** Model T. Ball bearing. For circumferential and straight cuts. $\frac{3}{8}$ to 2-in. o.d. each **24.50**

Replacement Parts

- S-577180** Finger Pull only. For Model T Strippers. each **\$2.94**
- S-570983** Blade only. For Model T and V Strippers. each **4.90**

(G) Insulation Strippers

Ordering No.	Type	For Wire Ga.	Color Coded Handle	Wt. Ozs. per Doz.	Price Each
S-578417	19	19 AWG	Green	10	\$2.50
S-578418	20	20 AWG	Blue	10	2.50
S-578419	22	22 AWG	Red	10	2.50
S-578420	24	24 AWG	Black	10	2.50
S-578421	26	26 AWG	Yellow	10	2.50
*S-578422	22C	22 AWG	10	2.63

*Combination stripper with dual stripping slot for inside-outside station wire.

(H) Wire Stripper

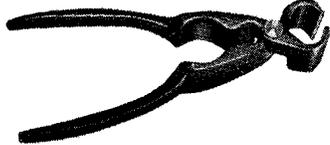
- S-578415** Wire Stripper for up to 8 AWG. each **\$1.49**

Type B Cable Sheath Openers



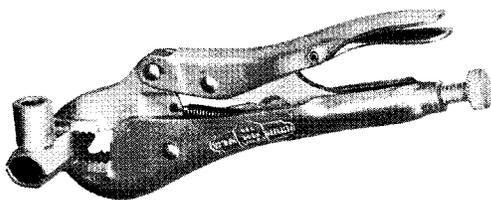
- S-576172** Wt., 6 oz. each **\$2.57**

Type B Cable Pliers



- S-576440** Wt., 2 lbs. each **\$6.68**

Type C Flange Grips

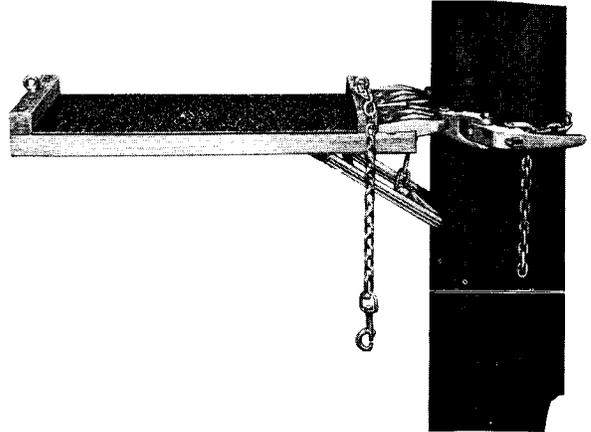


- S-574203** each **\$8.59**

Cable Splicer Platforms and Accessories

- S-576285** Closed platform with O-hooks. Order K-hooks separately. 52x43 in. Wt., 70 lbs. each **\$163.35**
- S-577540** Platform Saddle only. each **5.45**
- S-575261** O-Hooks only. each **3.47**
- S-575260** K-Hooks only. each **4.95**

Cable Splicers Platforms



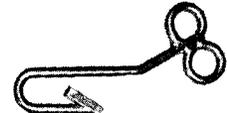
Fiberglass board. Safety-locking chain tightener. Rated working load, 400 lbs. 42x11x1 $\frac{5}{8}$ in.

- 576290** Cable Splicer Platform. Wt., 24 lbs. each **\$127.30**

Platform Hooks



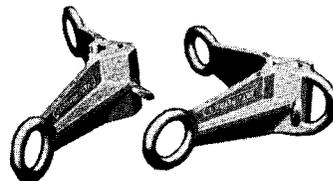
Single



Double

- 575262** Single. Wt., 1 lb. each **\$6.05**
- S-575263** Double. Wt., 1 $\frac{1}{4}$ lbs. each **9.75**

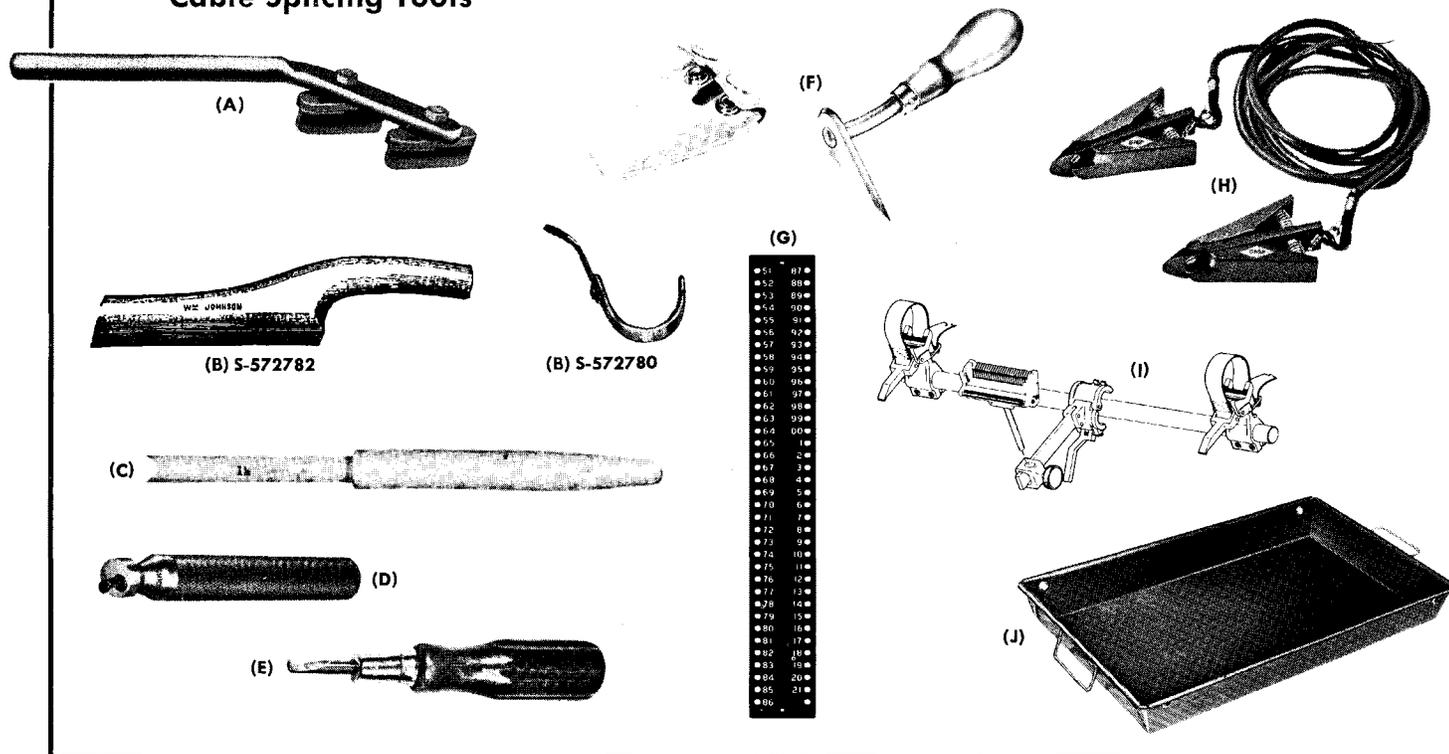
Platform Clamps



- S-571872** Wt., 11 lbs. each **\$100.40**

Prices are subject to change without notice.

Cable Splicing Tools



(A) Lead Sleeve Spreader

S-578198 Provides opening up to 2 in. Wt., 10½ oz. each \$4.95

(B) Cable Dressers

S-572782 Hardwood dresser. Wt. per doz., 10 lbs. each \$3.53
 S-572781 Lignum-vitae dresser. Wt. per doz., 18 lbs. each 9.13
 S-572780 Iron dresser. With movable handle. Wt., 1 lb. each 4.46

(C) Drift Plugs

With handle. 36" length overall.

Ordering No.	Diam. In.	Wt. Lbs.	Price Each
S-576685	¾	1	\$3.65
S-576686	1	1	3.99
S-576687	1¼	1	4.38
S-576688	1½	1	4.96
S-576689	1¾	2	5.54
S-576690	2	2	6.41
S-576691	2¼	2	7.06
S-576692	2½	2	7.06
S-576693	2¾	3	8.34
S-576694	3	3	10.15
S-576695	3½	4	12.83
S-576696	4	5	13.88
S-576697	4½	6	15.26
S-576698	5	7	17.33
S-576699	5½	8	19.63
S-576700	6	9	22.60
S-576701	6½	10	25.00
S-576702	7	11	27.35

(D) Type B Washer Cotter

S-572570 For polyethylene washers. Wt., ½ lb. each \$4.21

(E) Type B Cable Core Depressor

S-572665 Wt., 2 oz. each \$3.47

(F) Shave Hook

For cleaning and preparing lead cable sheath and sleeves when soldering and wiping joints. With leather guard.
 S-575283 Weight, ½ lb. each \$3.71

(G) Test Boards

For tagging odd or even-count cable. A combination of two 71-pair boards provides flexibility to tag any hundred pair complement between 1-2121 pairs. Eliminates necessity of 42 tag boards made up for each individual 50-pair complement.

Each board is consecutively numbered 1-71 and 51-21. Boards numbered 1-71 identify the first 50 or 51 pairs. Boards numbered 51-21 identify the second 50 or 51 pairs. The use of both boards identify any 101 pair group. The hundreds digit can be written on the center identification strip.

S-571335 Linen. Numbered 1-71. per 100 \$21.00
 S-571336 Linen. Numbered 51-21. per 100 21.00
 S-571330 Fiber. Numbered 1-71. each .96
 S-571331 Fiber. Numbered 51-21. each .96

Type B Cable Bond

S-571355 Has 6 ft. of Type S #12 single conductor cable, copper terminals, sash chain. Weight, 1 lb. each \$8.56

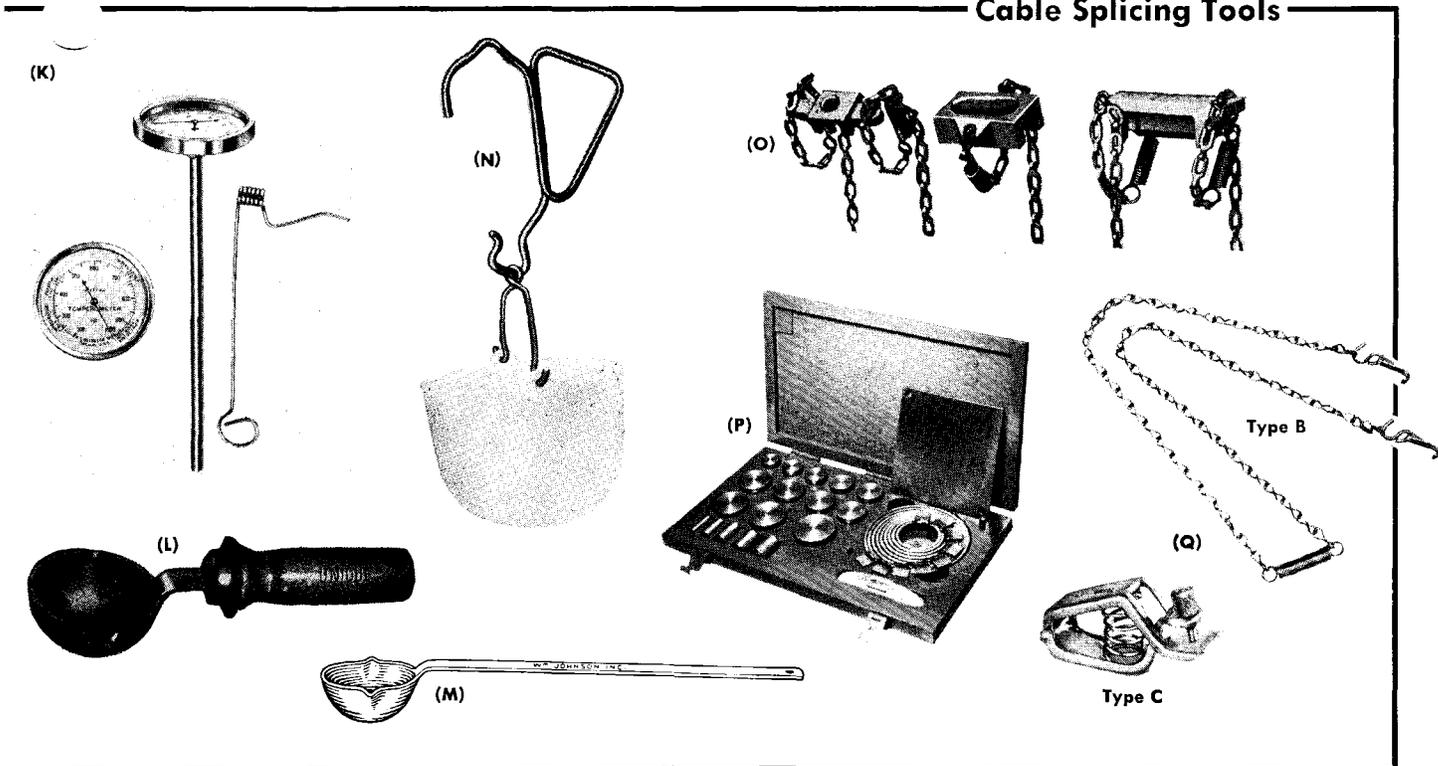
Type D Cable Bond

S-571357 With two #27 copper universal test clips. 5 ft., 1 conductor. Black. each \$1.82

(H) Cable Clips

For 19-36 gauge conductors. Stranded, 6-ft. cord with two double transfer clips. Each clip has two separate point assemblies. Wt., ½ lb.
 S-571972. each \$8.17

Cable Splicing Tools



(I) Modular Splicing Kit

New, time-saving method of splicing large-pair cable. Splices 25 pairs simultaneously. All pairs readily identifiable. Test entry can be made through exposed parts. Should be used only on pressurized cable or at splice location where the conductors will be hermetically sealed. Accepts 22-26 AWG conductors.

- 634196** MS² Splicing Kit consisting of the following items: Long traverse bar, splicing kit case, check comb, module crimper, splicing head, pair test plug, support tube and cut closed tool. Weight, 74 lbs..... each **\$411.60**
- 570194** Long Traverse Bar. Weight, 2 lbs. . . each **On App.**
- 571646** Case for splicing kit. Weight, 20 lbs. . . each **95.06**
- 572365** Check Comb. Weight, ½ lb. each **.52**
- 572515** Hand-Diagonal Hydraulic Crimping Unit. Weight, 11 lbs. each **162.68**
- 575065** Splicing Head. Weight, 6 lbs. each **103.88**
- 576725** Pair Test Plug. Weight, ½ lb. each **3.40**
- 578472** Support Tube Assembly. Weight, 6 lbs. each **57.82**
- 578856** Cut-Closed Tool. Weight, ½ lb. each **5.49**

(J) Lightweight Soldering Pan

- S-576215** Sheet steel with eyelets for suspension. Weight, 2¼ lbs. each **\$4.46**

(K) Temperometer

Stainless steel stem. The 2¼-inch diameter direct reading dial is calibrated from 200 to 1000°F.

- S-578725** Overall length, 8¾ in. Tube size, ⅝ in. Wt., ½ lb. each **\$13.86**

(L) Pouring Ladle—

with air-cooled wood handle

- 575612** 3½x1½ in. Capacity, ¼ pt. Wt., 16 oz. each **\$4.33**
- S-575613** 4x1¾ in. Capacity, ⅜ pt. Wt., 18 oz. each **4.78**

(M) Metal Pouring Ladle

- S-575615** Size, 3 in. Lead capacity, 2¼ lbs. Wt., ½ lb. each **\$1.58**

(N) Pot Hook and Handle

- S-575264** Supports 300 lbs. Wt., ½ lb. each **\$3.96**

(O) Cast Aluminum Solder Molds

- S-576068** For lead pipe connections to top of cables. each **\$3.47**
- S-576069** For lead pipe connections to side of cables. each **3.47**
- S-576070** For soldering valves to side of cables. . . each **3.47**

(P) End Plate Molds

Seventeen sizes of steel plugs from ½ to 2⅞-inch o.d.; 9 sizes of steel rings from 3 to 7-in. o.d. One 7x7-in. steel plate, small spirit level, wood carrying case.

- S-576065** Wt., 30 lbs. each **\$79.20**

(Q) Flange Clamps

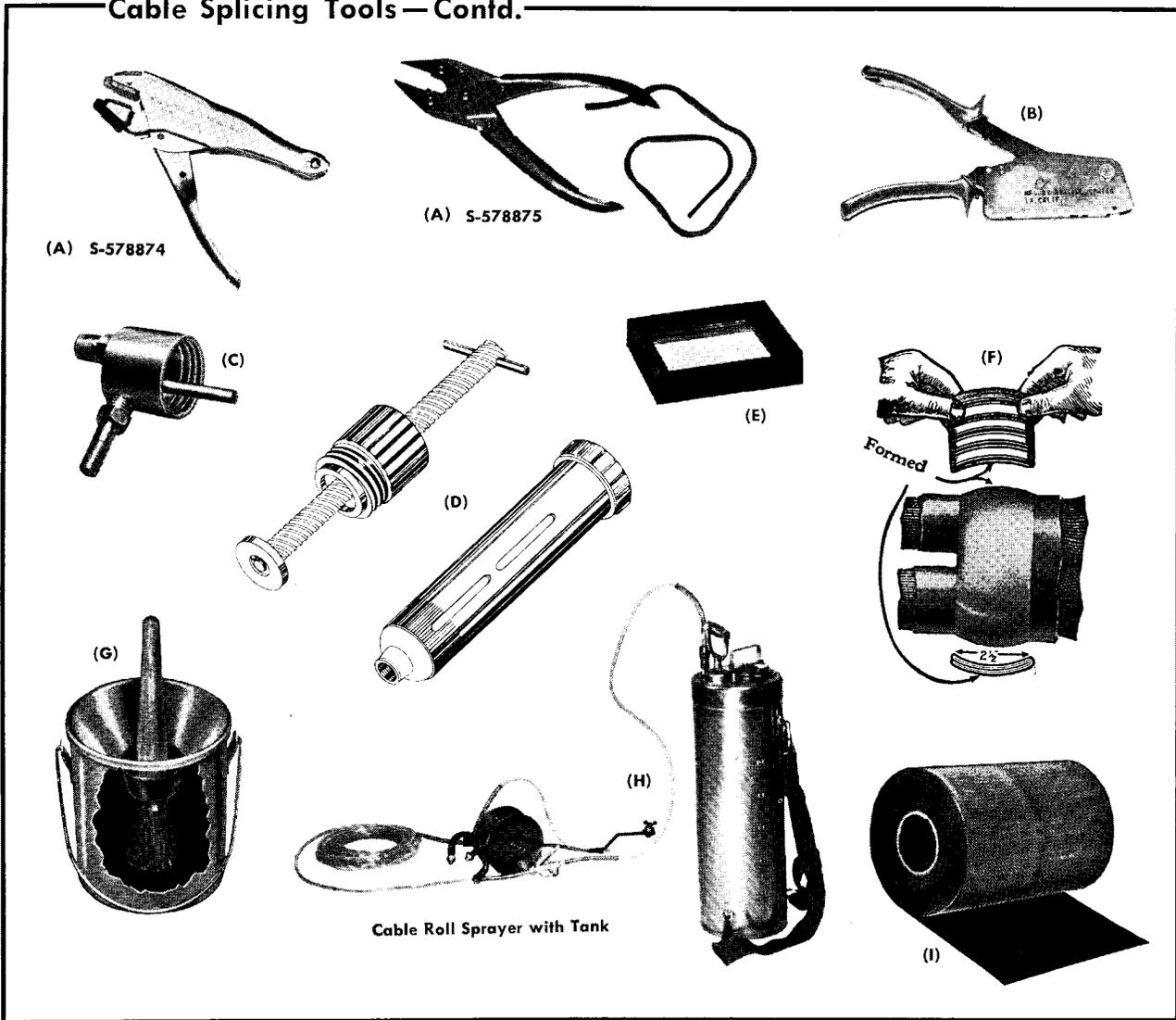
Type B. For holding Type F and L Flanges in place for soldering to cable sheath. Overall length, 25 inches. Weight ¼ pound.

Type C. For holding pressure plug in place while soldering to cable sheath. Length, 4 inches; height, 2 inches; width 1½ inches. Weight, ½ pound.

- S-571864** Type B. each **\$1.73**
- S-571865** Type C. each **3.91**

Prices are subject to change without notice.

Cable Splicing Tools—Contd.



(A) Connector Crimping Tools

S-578874 For use with UR Connectors only... each **\$8.97**
S-578875 For use with UR and UG Connectors... each **7.78**

(B) Type B Hand Connector Presser

Less pressure required than older hand pressers. Reduces hand fatigue. Qualified personnel can adjust or repair in company shop.

S-577102..... each **\$83.88**

(C) Type B Desiccant Injector

S-575110 Use with standard 160 gram can. Wt., 2 oz..... each **\$2.97**

(D) Resin Injector Gun

S-574707 Resin Injector Gun. Weight, 5 lbs... each **\$29.00**
S-577303 Cartridge Retainer. Weight, 2½ oz... each **4.38**
S-577307 Cartridge Retainer. Weight, 6 oz... each **5.00**
S-575527 Injector Gun Repair Kit..... each **1.27**

(E) Mirror

S-576058 3½x3½ in. Wt., ¼ lb..... each **\$2.75**

Flat Catch Cloths

Ordering No.	Size Inches	Wt. Lbs. per 100	Price Each
S-572005	5x5	25	\$2.00
S-572006	6x6	31¼	2.40
S-572008	7x8	46¾	2.50
S-572009	8x8	53	2.70
S-572010	8x10	69	3.00
S-572012	10x12	98	3.30

Flat Wiping Cloths

S-572022	2x2	5	\$1.00
S-572023	2½x2½	6¼	1.10
S-572024	3x3	8	1.15
S-572025	3½x3½	9¼	1.20
S-572026	4x4	10	1.35

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Prices are subject to change without notice.

Cable Splicing Tools — Contd.

(F) Formed Wiping Cloths

S-572032	2x2	6¼	\$1.10
S-572033	2½x2½	9¼	1.20
S-572034	3x3	12½	1.25
S-572035	3½x3½	18¾	1.30
S-572036	4x4	21¾	1.45

(G) Aluminum Soap Can and Brush

Keeps pressure testing soap and paint from drying out. Light-weight cast aluminum can with a tight fitting top. Cover serves as handle and holder for paint brush.

S-571523 Wt., 1 lb. each **\$7.42**

(H) Spray Leak Testers

S-578191 Cable Roll Sprayer with 4½-gallon tank. each **\$144.22**

S-578190 Hand Sprayer. each **14.95**

578695 Flash Leak Tester, 6 oz. each **27.86**

(I) Rubber Insulating Bandage

Thickness, .028 inch; 350-volt test per mil of thickness. 4 in. x 14 ft. Wt., 12 oz.

S-570144 each **\$1.73**

Lightweight Splicing Tools

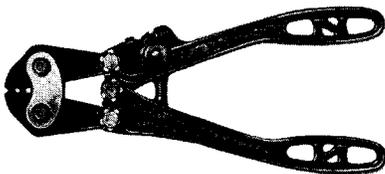


S-578930

S-578931 For splicing drop, bridle and inside wires. Two grooves, A and B. Length, 8 in. Wt., ½ lb. each **\$5.45**

S-578930 For insulated splicing sleeves 19, 22 and 24 AWG gauge rural, suburban and urban distribution wire. Length, 8¼ in. Wt., ½ lb. each **4.92**

Heavy-Duty Splicing Tools



S-578932

S-578932 DC grooves. Length, 11 in. Wt., 2½ lbs. each **\$14.81**

S-578933 DJ grooves. Length, 11 in. Wt., 2½ lbs. each **14.81**

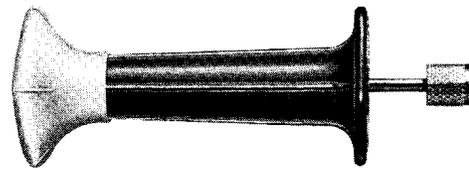
S-578934 CJ grooves. Length, 11 in. Wt., 2½ lbs. each **14.81**

Manhole Shields

Makes water-tight seal without compounds, helps prevent flooding. Stackable as high as necessary.

577879 For 27-in. or 30-in. manholes. Wt, 10 lbs. each **\$85.40**

Hammer Drive Tools



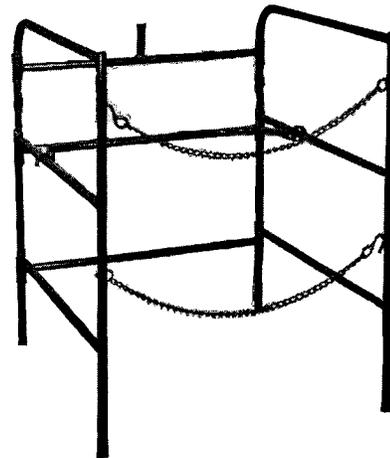
Lightweight. Drives hard steel drivepins directly into concrete, masonry, brick or steel. No cartridges, air or electric power needed. Base pad included.

S-578880 Complete Tool. each **\$15.64**

S-577225 Driving Ram only. each **3.62**

S-576188 Base Pad only. each **.92**

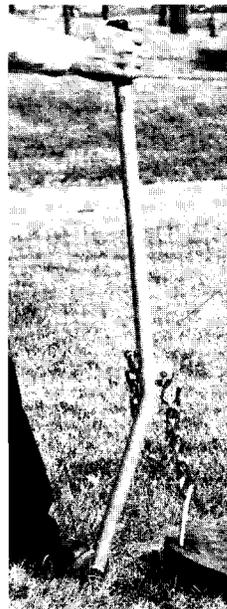
Steel Manhole Guard Rails



Has mast mounting studs on frame and tent mounting attachments. Legs on frame accommodate a 5/8-inch flag-staff for warning flags. When guard rail is open and set up, rails cover a 32x32-inch area. Folds flat 32x4 inches.

S-574505 Wt., 36 lbs. each **\$39.38**

Manhole Cover Lifter



Lifter is heavy wall 1¼" aluminum tubing, with 22" heavy duty welded chain and special hook that fits all types of manhole covers. "S" hook permits adjusting length of chain. Heavy-duty hose sections on foot help prevent slippage. Overall length, approximately 30". Wt. 4½ lbs.

S-575963 each **\$25.85**

Prices are subject to change without notice.

Portable Ventilating and Heating Equipment



(A) Electric-Powered Lightweight Blower

Fully enclosed motor operates from line current or portable electric generator. Air delivery, 800 cfm. free air at outlet at 1750 rpm. 7½" blower outlet accommodates 8" diam. hose. Blower drive, direct. Available with d.c. or a.c. (½ hp, 115 V AC) motor. 14" long, 17½" wide, 17" high. Wt., 40 lbs.

637602 A.C. Motor.....each **\$151.00**
Model DC-B D.C. Motor.....each **230.00**

(B) Gasoline- or Propane-Powered Lightweight Blower

Heavy-duty 4-cycle 3 hp. engine with built-in easy starting device. Air delivery, 800 cfm. free air at outlet at 2200 rpm. 7½" blower outlet to accommodate 8" diam. hose. Blower drive, direct. 16" long, 17½" wide, 17" high. Wt., 56 lbs.

Model GB Gasoline Blower.....each **\$219.00**
637603 Propane Blower.....each **247.00**

(C) Propane Regulator—calibrated from 0–100PSI

577262 With gauge.....each **\$16.00**

(D) Propane Tent Heaters

Heated air is free from carbon monoxide. With 30-ft. low pressure gas hose, low pressure regulator with P.O.L. and captive cap. Adjustable flame valve. 10x14 in. high.

PTH-8 8,000 Btu. 54 hours of heat at maximum output from one 20-lb. capacity propane tank. Wt., 9¼ lbs.....each **\$93.30**

PTH-12 12,000 Btu. 36 hours of heat at maximum output from one 20-lb. capacity propane tank. Wt., 9½ lbs.....each **98.65**

D-40

Prices are subject to change without notice.

Portable Ventilating and Heating Equipment—Contd.

(E) LP Infra-Red Heater

Burner surface radiates immediate quiet infra-red energy for providing directional heat. Used primarily in working with cable in below-freezing weather. Attaches directly to any LP vapor cylinder having a standard P.O.L.-type valve. No regulator needed. 10,000 BTU's. Reflector diam., 10½". Wt., 4 lbs.

S-575084 LP Infra-Red Heater.....each **\$20.93**

(F) Portable Heater-Blower

Combination blower for summer, blower-heater for winter. Heat output, 700 cfm. 120 degrees F. temperature rise, controlled heat. ½ hp motor operates on 120 V AC. Input adjustable from 0 54,000 BTU. One or two burner operation. Solid state monitoring controls. Burners will not turn on unless blower is operating. Power failure, fuel shortage or overheating instantly shuts down the unit. Solid state ignition instantly recycles as needed. LP gas fired; operates on 5 lb. pressure.

637607 Portable Heater-Blower..... **\$450.00**
575329 Flexible Blower Hose. 8" diam., 15' long... **55.00**
571614 Blower Hose Carrier. Compresses hose to 40" **28.50**

(G) Lightweight Propane Generator

Equipped with voltmeter, pilot lamp and silencer exhaust. Rubber mounted.

Engine: 3-hp. Briggs and Stratton Model 8 F.B.F., one cylinder, air cooled.

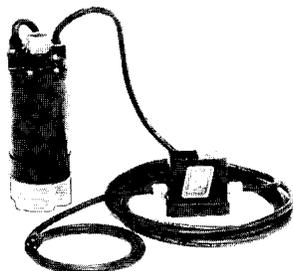
Fuel: Propane. ¾-gallon tank.

Output: 1350 watts, 110-125 v., d.c. at 3600 rpm.

Dimensions: 19 in. long, 20 in. wide, 16 in. high.

P1035-G-36-E1 Wt., 72 lbs..... **On App.**

Submersible Pump



Rated 120 gallons per minute. ¾ HP 115V AC motor. With 20 feet of pump cable, watertight switch and 6 feet of power cable. Exhaust port is threaded to accept 1½-in. fire hose.

635916 Submersible Pump.....each **\$352.44**

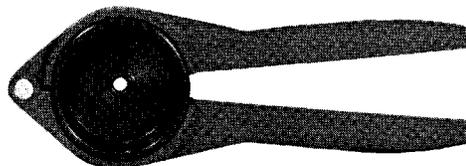
575331 Fire Hose. Single jacket, rubber lines.
 1½ in.x25 ft.....each **20.62**

Gun Type Hollow Wall Anchor Installers



S-575413 Wt., 1¾ lbs.....each **\$9.41**

Handset Cap Tools



S-578855 For all currently manufactured handset sets. Wt., 10 oz.....each **\$4.75**

Electric Outlet Adapters

S-570023 Converts 3-prong appliance into 2 prongs. With grounding wire.....each **\$1.19**

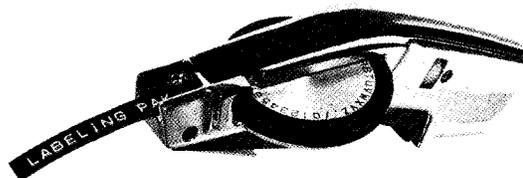
Power Cords

S-572444 Heavy duty, with male and female plug ends. 50-ft., 3-conductor, 16 gauge. Black.....each **\$10.40**

S-572443 Heavy duty, with male and female plug ends. 25-ft., 3-conductor, 14 gauge. Yellow neoprene.....each **9.33**

572445 Retractable, with one #700 plug. Retracted length, 30 in.; extended length, 15 ft. 3-conductor with compression spade tips, 12 gauge. Neoprene jacket.....each **19.69**

Hand Embossing Tools



Consists of tool; polyethylene carrying case; three embossing wheels (.180" and .200" horizontal characters, and .160" vertical characters); and two tapes (red tape ¾"x12', and black tape ½"x12').

578883 Wt., 17 oz.....each **\$34.95**

Vinyl Tape

White lettering on a colored, pressure-sensitive adhesive backing. Ten rolls per box. ½ in.x12 ft.

Weight per box, 9½ ounces.

S-578602 Red.....per roll **\$1.65**
578601 Orange.....per roll **1.65**
S-578597 Blue.....per roll **1.65**
578603 Yellow.....per roll **1.65**
578598 Brown.....per roll **1.65**
S-578596 Black.....per roll **1.65**

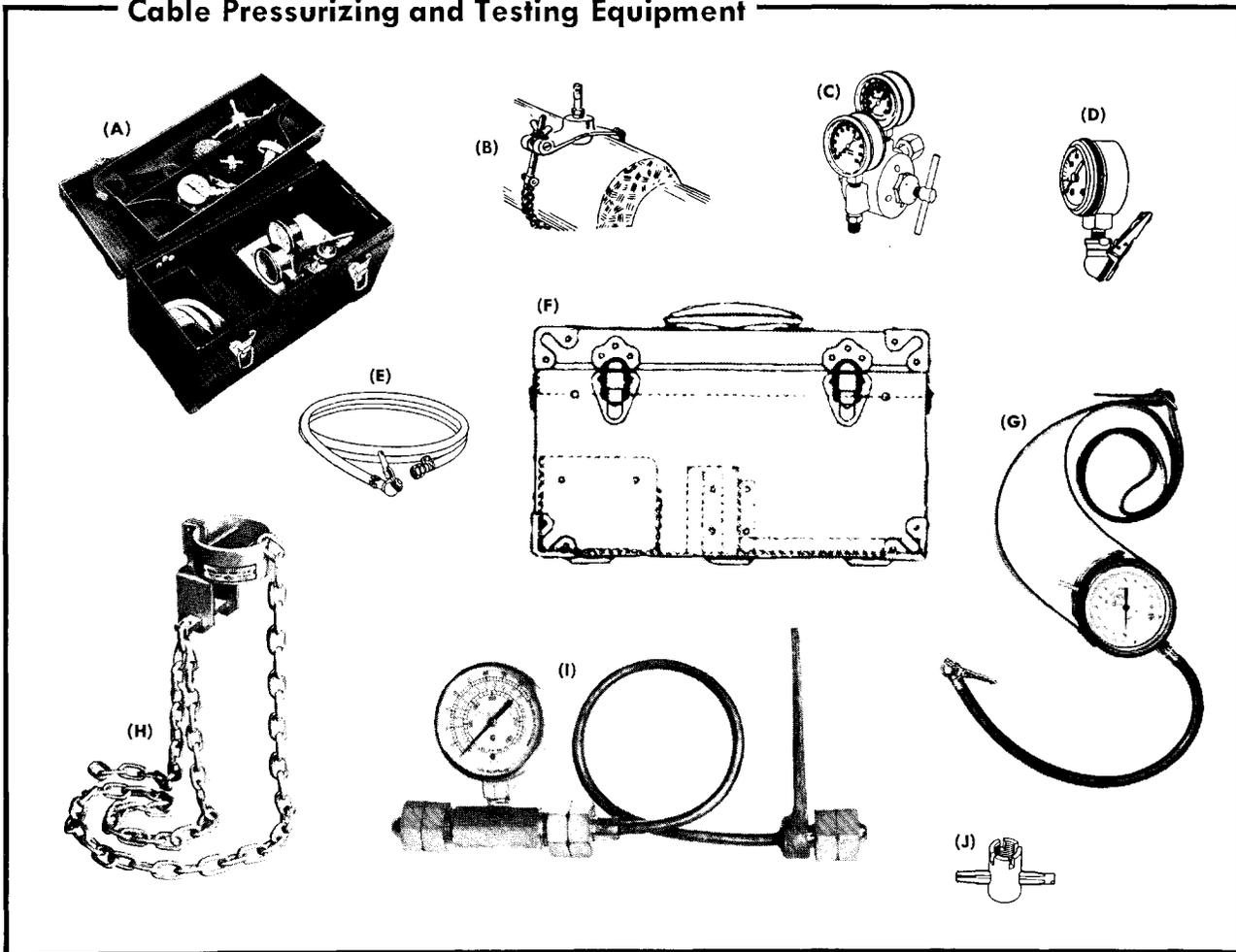
Aluminum Tape

Pressure-sensitive. Ten rolls per box. ½ in.x12 ft. Weight per box, 13 ounces.

S-578595per roll **\$1.42**

Prices are subject to change without notice.

Cable Pressurizing and Testing Equipment



(A) Type B Pressure Testing Kit

Consists of pressure testing clamp, pressure testing regulator, cable drill, C regulator wrench, B pressure gauge, valve repair tool and pressure testing hose assembly in sturdy case. **S-634201** Weight, 18 lbs. each **\$178.20**

(B) Pressure Testing Clamp

For temporary reading points. Consists of plate, gasket, chain with take-up bolt. Wt., 1/2 lb. **S-571875** each **\$5.69**

(C) Pressure Testing Regulator

Two pressure reducing valves, adjusting screw, high and low pressure gauges. Weight, 6 1/4 pounds. **S-577263** each **\$57.42**

(D) Type B Pressure Gauge

For approximate measurements. Range from 0-30 psi. in 1-lb. steps. Equipped with a snap-on chuck. Wt., 3/4 lb. **S-574015** each **\$5.69**

(E) Pressure Testing Hose Assemblies

Hose has inner rubber tube with impregnated single cotton braided and rubber cover. Left-hand thread hose connection. Snap-on air chuck. Weight, 1 pound. **S-575340** 8 ft. long. 7/16-in. o.d.; 3/16-in. i.d. each **\$6.44**
S-575343 30 ft. long. 7/16-in. o.d.; 3/16-in. i.d. each **13.56**

(F) Pressure Apparatus Case

Holds flanges, valves, soldering forms, wrenches, solder and other equipment used in cable pressure testing. Vulcanized fibre. Wt., 5 lbs. **S-571636** each **\$34.65**

(G) Type C Pressure Testing Gauge

Accurate within .025 psi. Range from 0-12 psi. Equipped with 18-inch hose and snap-on chuck. Leather carrying case, shoulder strap. Weight, 4 pounds. **S-574016** each **\$86.63**

(H) Type B Pressure Regulating Shackle

S-577830 Wt., 3 1/2 lbs. each **\$5.89**

Nitrogen Cylinder

Twenty-four cubic foot capacity at standard atmosphere when charged to 1900 psi. at 60 degrees F. 31x4-in. o.d. Approximate weight, 30 pounds. **S-572630** each **\$44.55**

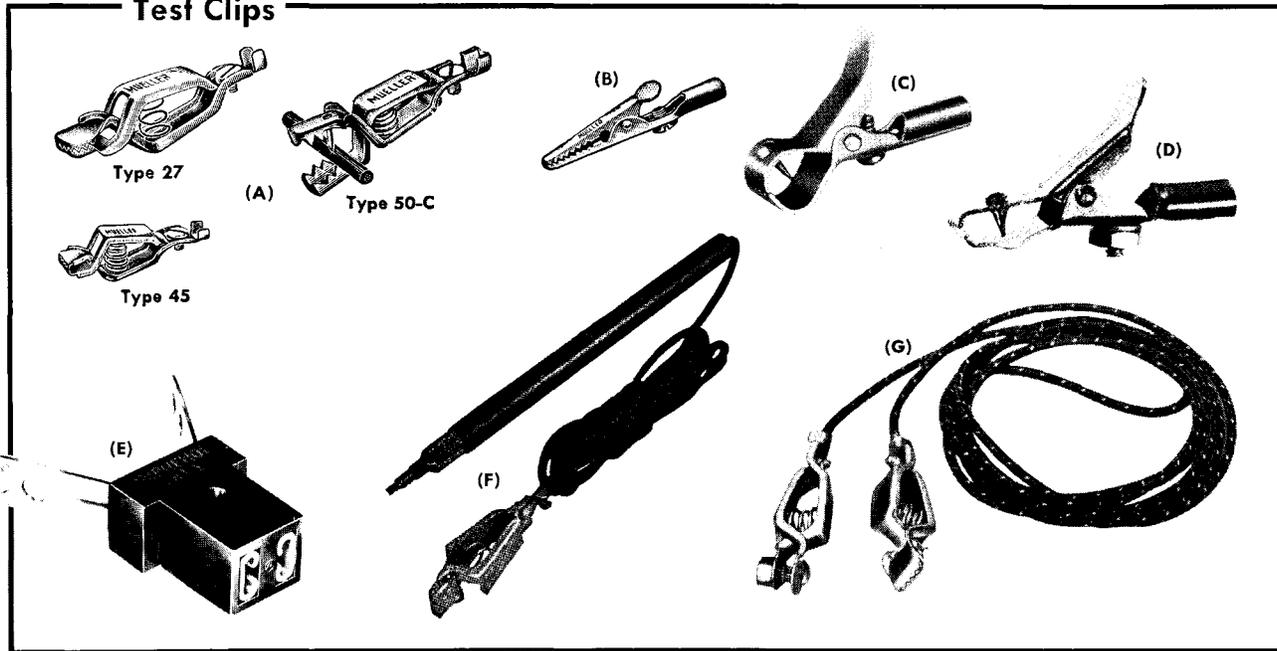
(I) Cylinder Charging Connector

Consists of a length of copper tubing with couplings for both tanks, plus a 3000-psi. pressure gauge. Approximately 24 inches long. Weight, 4 pounds. **572422** per pair **\$37.13**

(J) Valve Repair Tool

A combination wrench, tap and thread-cutting die, and filing surface. Wt., 2 oz. **S-578923** each **\$5.99**

Test Clips



(A) Test Clips

Ordering No.	Type	Lgth. In.	Jaw Open In.	Finish	Price per 100
S-571980	27	2 $\frac{7}{16}$	$\frac{5}{8}$	Cadmium Plated	\$12.74
S-571982	45	1 $\frac{1}{2}$	$\frac{3}{16}$	Cadmium Plated	6.86
S-571986	50-C	2 $\frac{1}{4}$	$\frac{1}{2}$	Bronze	25.68

Vinyl Insulators for Test Clips

S-575415	For Type 45 Clip	per 100	\$4.90
S-575416	For Type 50-C Clip	per 100	9.11

(B) Alligator Test Clips

S-571983	Without sleeves	per 100	\$8.04
S-571984	With red and black sleeves on end	per 100	10.91

(C) Test Clip

S-571987	With screw, nut, washer and spike	per 100	\$38.40
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(D) Test Clip

Used for making low tension test connections in the middle of an insulated wire without removing insulation. Flat jaw has needle like points in jaws that pierce insulation. When clips are removed, insulation closes the small hole made by the pin. Jaw spread is $\frac{3}{8}$ inch. Dull nickel finish.

S-571989	Nut and bolt connection. Jaws open $\frac{3}{8}$ in.	Wt. per 100, 2 $\frac{1}{2}$ lbs.	each \$1.19
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(E) Amphenol Test Connector

Provides fast access to any pair of "quick-clip" contacts in a Type 66 connecting block without shorting to other contacts in bank.

S-572424	Weight, 1 oz.	per 100	\$46.25
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(F) Diamond Needle Point Test Picks

Consists of a brass sleeve covered by a brass shell with a brass nipple holding a number of sewing needles screwed in one end. A six-foot cord is fastened to the other end and is trimmed with a test clip.

S-576235	Test Pick Complete. Wt., 3 oz.	each	\$2.79
S-576842	Extra Needle Point only. Wt., $\frac{1}{4}$ oz.	each	.67

(G) Cable Transfer Clips

S-571992	For 22-gauge and smaller conductors. 6-ft. cord with universal test clip on one end, contact clip other end.	Wt., 2 oz. each	\$1.93
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Dialing Pencils



S-689202	Automatic Dialing Pencil. Wt. per doz., $\frac{1}{2}$ lb.	each	\$6.00
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Switchboard Cleaners and Blowers

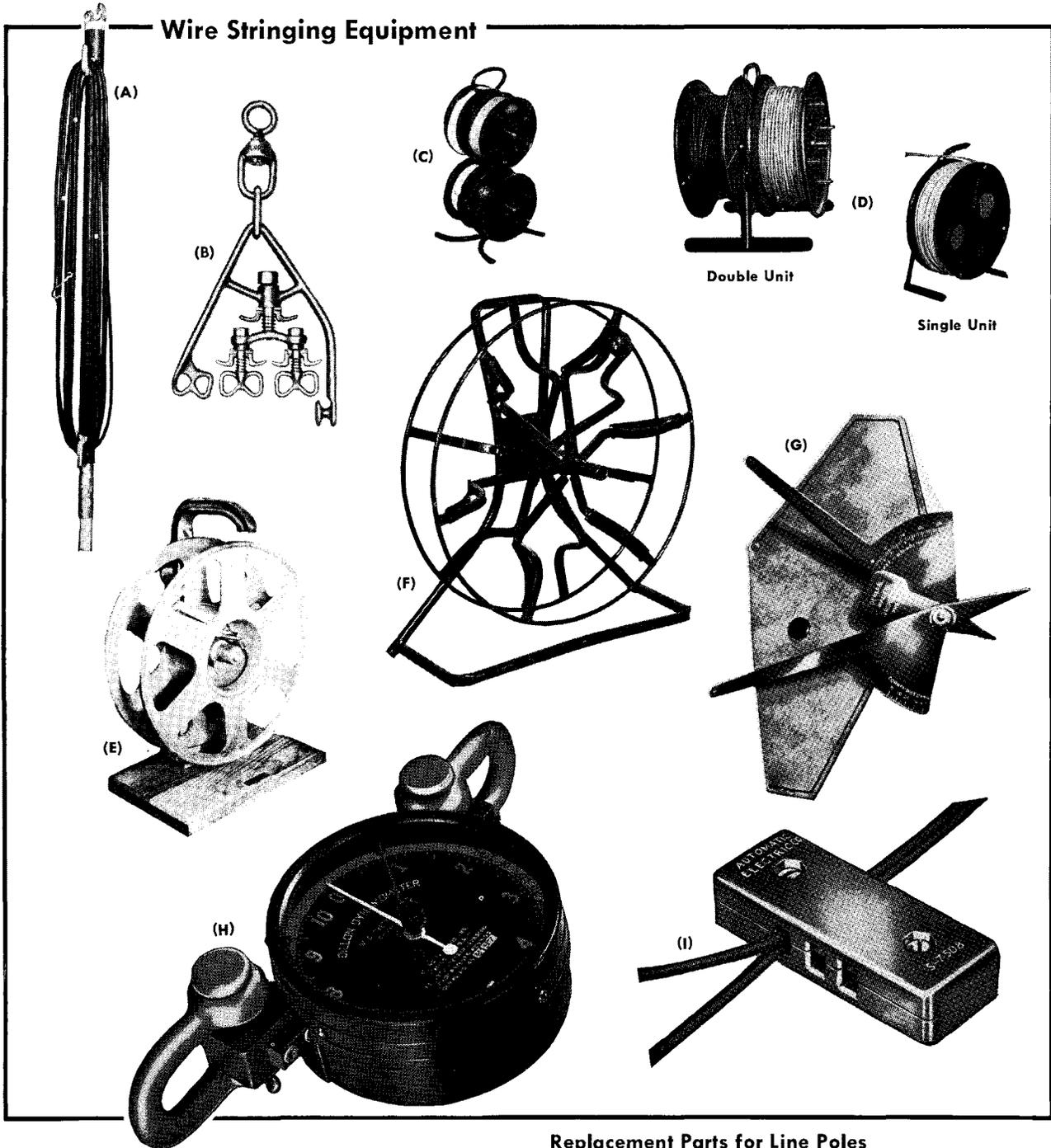


Set includes flexible hose, shoulder strap, blower nozzle, and various brushes. Tools are non-conductors.

S-630900	Motor is 110-volt, 60-cycle A.C. $\frac{1}{2}$ hp.	Wt., 16 lbs.	each \$112.25
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Prices are subject to change without notice.

Wire Stringing Equipment



(A) Universal Line Pole

Connects to wires of varying heights and up to 33 in. apart. Nylon head is interchangeable with old style aluminum head.

- S-576871** Complete Pole; four 36" sections. Wt., 9½ lbs. each **\$48.90**
- S-576872** Pole Head Section with lined cord. Wt., 5 lbs. each **31.30**
- S-576873** Intermediate Pole Section; 36". Wt., 1½ lbs. each **5.70**
- S-570077** Canvas Carrying Bag. Wt., 1¼ lbs. each **9.88**

Replacement Parts for Line Poles

- 19060** Nylon Head Assembly complete with stationary contact. Wt. per 100, 25 lbs. . . . each **\$3.10**
- A-30** Flat Head Screw to attach to head. Wt. per 100, ½ lb. each **.10**
- 19070** Stationary Contact Hook Assembly. Wt. per 100, 10 lbs. each **1.70**
- 16864** Retractable Contact Hook Assembly. Wt. per 100, 10 lbs. each **2.05**
- 16865** Retractable Cable Assembly. Wt. per 100, 10¾ lbs. each **2.45**
- 12617** Terminal Sleeve. Wt. per 100, 1 lb. each **.35**
- 12685** Terminal. Wt. per 100, ½ lb. each **.20**
- 16862** Tube Assembly. Wt. per 100, 93 lbs. each **4.10**
- A-40** Fiber Pin ⅜x¼ inch. Wt. per 100, ½ lb. . . . each **.15**

D-44

Prices are subject to change without notice.

Wire Stringing Equipment—Contd.

Replacement Parts for Line Poles—Contd.

A-50	Fiber Pin $\frac{1}{4} \times 1\frac{1}{16}$ inch. Wt. per 100, $\frac{1}{2}$ lb.	each	\$5.15
17233	Extension Cord (50 ft. with terminals). Wt. per 100, 262 lbs.	each	7.70
12671	Terminal (hook type). Wt. per 100, $\frac{1}{4}$ lb.	each	.20
12661	Terminal (hole type). Wt. per 100, $\frac{1}{4}$ lb.	each	.20
17028	Terminal Ring. Wt. per 100, 7 lbs.	each	.50
17033	Tension Spring. Wt. per 100, 22 lbs.	each	1.30
17026	Cable Holder. Wt. per 100, $7\frac{1}{2}$ lbs.	each	1.60
4-P	Plastic Clamp—Cable Support. Wt. per 100, $\frac{1}{4}$ lb.	each	.10
16863	Splice Adaptor Assembly. Wt. per 100, 38 lbs.	each	1.70
4604	Pole Splice Assembly. Wt. per 100, 59 lbs.	each	2.50
17393	Pole 3-Ft. Section (no hardware). Wt. per 100, 91 lbs.	each	2.25
17234	Pole Extension (complete). Wt. per 100, 257 lbs.	each	5.70
17235	Pole Bottom Section (complete). Wt. per 100, 231 lbs.	each	5.80
16859	Head Section (complete). Wt. per 100, 500 lbs.	each	31.30
16750	Needle Cartridges (with set screw). Wt. per 100, $\frac{1}{2}$ lb.	each	.50
12622	Needles (loose). Wt. per 100, $\frac{1}{16}$ lb.	each	On App.
10-S	Pulley (swivel). Wt. per 100, 3 lbs.	each	.50
12472	Strap and Buckle. Wt. per 100, $7\frac{1}{2}$ lbs.	each	.55

(B) Transposition Running Board

571310	For placing six wires at one time. Wt., 7 lbs.	each	\$39.60
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(C) Portable Jumper Wire Dispensing Reel

Compact reel for 22-Ga. single-conductor jumper wire. 23 in. high x 11 x 10 in. Reel diam., 9 in. Coil eye adjustment $4\frac{1}{2}$ to $6\frac{1}{2}$ in. Coil width adjustment, $1\frac{1}{2}$ to 3 in.

S-586610	Wt., 20 lbs.	each	\$37.73
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(D) Jumper Wire Reels

Reels from any angle. Adjustable tension brake.

When loading, reel is placed on side and tension-cone face plate removed. Adjustable center pins for coil eyes from $4\frac{1}{2}$ inches to $12\frac{1}{2}$ inches on 6-inch wide coil.

S-586612	Double Unit. Size, 15 in. Width coil, 6 in. Wt., 25 lbs.	each	\$37.73
S-586611	Single Unit. Size, 15 in. Width coil, $5\frac{1}{2}$ in. Wt., 16 lbs.	each	27.44

(E) Terminal Wire Reel

Outer half of reel can be disengaged quickly. Inside width adjusts from $3\frac{3}{8}$ in. to $4\frac{7}{8}$ in. Adjustable automatic brake prevents over-run. Can mount on wall or side of truck.

S-586608	16-in. O.D. Reel. Weight, 18 lbs.	each	\$42.57
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(F) Type PR Drop Wire Reel

For horizontal or vertical use. The outer spider, held by a plunger-type lock, is removable to permit placing up to four widths of coil. Adjustable friction type disc brake.

S-577244	PR Drop Wire Reel. Wt., 32 lbs.	each	\$54.45
S-571450	Truck Mounting Brackets. Wt., 12 lbs.	per set	23.33

(G) Bisector

Bisects corner angle to locate guy wire, and to determine pull on corner poles.

S-573871	With case. Wt., $\frac{1}{2}$ lb.	each	\$9.41
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(H) Dynamometers

Available in capacities from 0-500 to 0-20,000 with 5-in. dial; capacities from 0-30,000 to 0 100,000 with 10-in. dial. A 10-in. dial with 0-500 to 0-20,000 scale is available at additional cost.

Weight with shackles and 5-in. dial, $8\frac{1}{2}$ lbs.

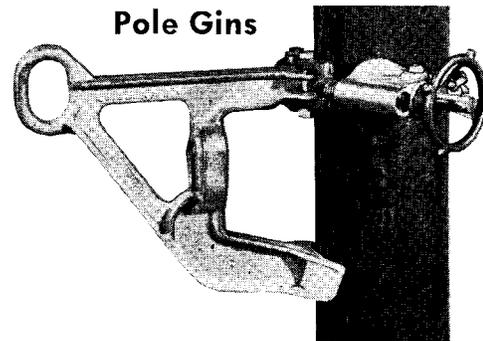
Ordering No.	Capacity Pounds	POUND DIVISIONS	EACH
S-631580	0-10,000	100	\$218.90

(I) Parallel Wire Slitter

For polyethylene or neoprene jacketed parallel drop wire. Blade supplied in tool; for replacement, use standard single-edge razor blade. Weight, 2 ounces.

S-578077	each	\$1.84
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Pole Gins



574042	1200-lb. capacity. Wt., $11\frac{1}{2}$ lbs.	each	\$63.04
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Wrap-Around Pole Guards

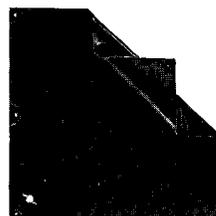


574059	Clings to 9-in. pole. $48 \times 31\frac{1}{2}$ -in. circumference. 50,000-volt rating. Wt., $6\frac{1}{2}$ lbs.	each	\$34.30
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Rubber Blankets

Withstands 20,000 volts for three minutes. Bead moulded to prevent tearing. With eyelets. Thickness $\frac{1}{4}$ in. 36×36 inches.

S-571030	each	\$18.70
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Rubber Blanket Canisters

S-571600	each	\$13.10
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Rubber Blanket Clamp Pins

S-576256	each	\$9.00
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Prices are subject to change without notice.

Hoist Winch Pullers

Ratchet Lever Hoists

Coil Chain Type

Coil chain will swing or wrap in any direction. Disc type brake, completely sealed against moisture, dirt, oil, etc. Lever bends when highly overloaded. Available with safety hooks.

Ordering Number	Std. Lift, In.	Cap., Tons	Handle Pull, Lbs.	Wt., Lbs.	Price Each
S-633014	60	3/4	61	14 1/4	\$81.45

Lightweight Coil Chain Type

Coil chain will swing or wrap in any direction. Ratchet and pawl type brake. Lever will bend before hooks straighten or chain breaks. Available with safety hooks.

S-633003	60	3/4	59	12 1/2	\$ 82.25
S-633006	60	1 1/2	60	18 1/4	102.66
S-633009	60	3	93	36	139.80

Pow'r Pulls

Lightweight. Operates in any position. Power ratio, 20 to 1. Safety tested to 50 per cent overload. Cable diam., in.: 3/16.

NOTE: Pow'r-Pull is available upon special order with up to 32-ft. 1/8-in. cable and up to 22 ft. of 5/32-in. cable; 1/8-in. aircraft cable rated at 2000 lbs. breaking strength; 3/32-in. aircraft cable is rated at 2800 lbs. breaking strength.

Automatic Let-Down

Ordering Number	Model	Cap., Tons	Max. Lift, In.	Lever, age	Wt., Lbs.	Price Each
S-633018	Std.	1	72	20:1	6 1/4	\$25.20
S-633019	Std.	1	108	20:1	6 1/2	26.53
S-633020	Std.	1	144	20:1	6 3/4	27.03
S-633021	*Std.	2	72	40:1	8	35.28

*With snap-block.

Automatic Let-Down and Tie-Off

S-633022	Deluxe	1	144	20:1	7 3/4	\$32.95
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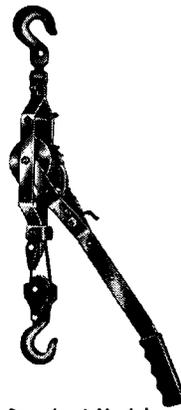
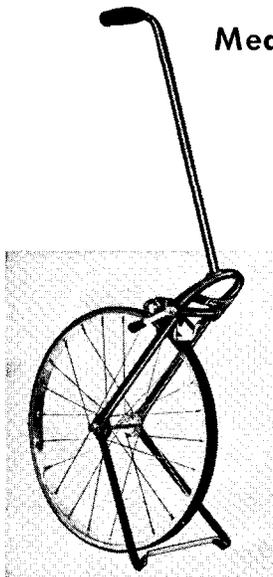
Measuring Wheels

Sturdy tubular steel. Neoprene tire. Records up to 100,000-ft. (approx. 19 miles) without resetting. Can be operated from car window at low speed.

Automatic brake prevents accidental backtracking. Built-in stand keeps wheel upright. Handle folds for storage. Four-ft. wheel circumference; 15 1/2-in. diameter.

Ship. wt. 9 lbs.

S-579150	Measuring Wheel	only	each	\$61.06
S-572476	Reset Counter	only	each	12.75
570040	Lever Arm Assembly	only	each	2.25



Standard Model with Snap-Block

CM Pullers

Compact, lightweight. Operates in any position. CM-Alloy steel welded link chain. Automatic friction-type load brake. Power ratio, 5:1. Safety tested to 50 per cent overload. Standard lift, 5'. Lever length, 21 1/4".

Ordering Number	Cap., Tons	Wt., Lbs.	Price Each
4043	3/4	15	On App.
4045	1 1/2	26	On App.
4047	3	37	On App.

Mighty Midget Pullers

Compact, lightweight. Easily carried on lineman's belt. Disc type brake. Roller chain. Lever will bend before hooks straighten or chain breaks.

With Safety Hooks

Ordering Number	Std. Lift, In.	Cap., Lbs.	Handle Pull, Lbs.	Wt., Lbs.	Price Each
S-633016	57	500	28	6 1/2	\$48.77

With Open Throat Hooks

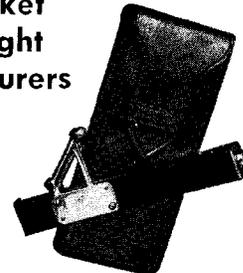
S-633017	56 1/2	1000	40	9 1/2	58.34
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Ratchet Load Binders

S-630501. Take-up per stroke, 5/8". Grab hook openings, 9/16".
S-630503. Take-up per stroke, 1". Grab hook openings, 11/16".

Ordering Number	Standard Take-Up, In.	Cap., Lbs.	Handle Length, In.	Wt., Lbs.	Price Each
S-630501	19 1/2	3000	19 1/4	11 1/2	\$47.14
S-630503	19 1/4	6000	29	24	68.30

Pocket Height Measurers



Quickly, accurately measures height of trees, poles, buildings. With leather case and instructions.

S-573870	Wt. 1/2 lb.	each	\$18.70
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Telescopic Fiberglass Measuring Poles

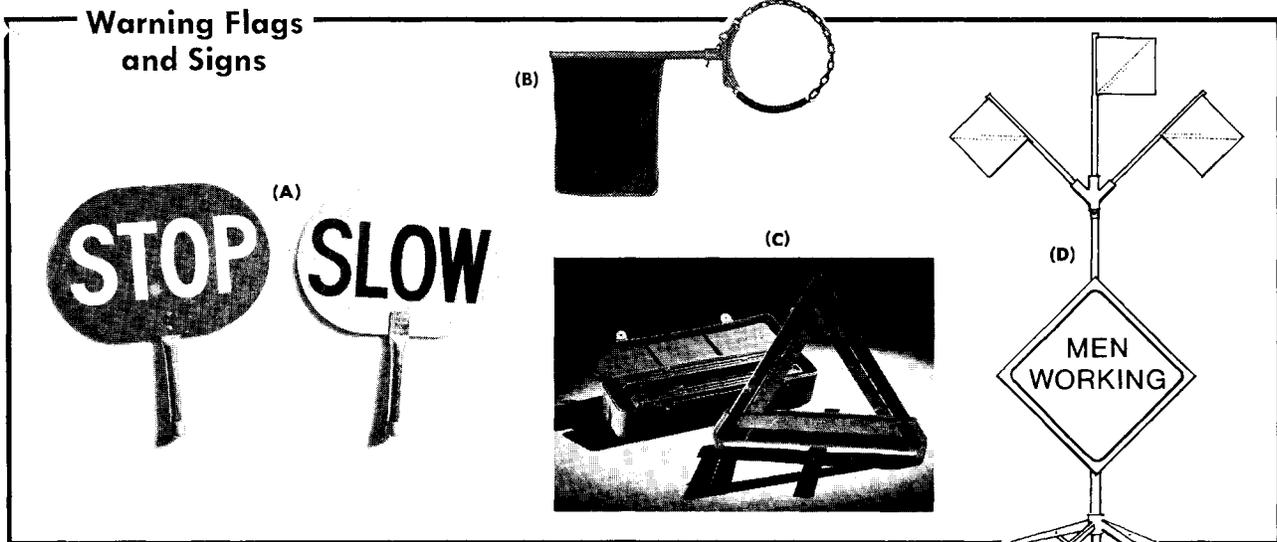
576869	25-ft. length. Calibrated in feet and inches. Friction lock.	each	\$66.50
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Bank Cleaning Equipment

Caution: Solutions used in cleaning switch bank contacts are flammable. Insure proper room ventilation.

S-580840	Flushing Unit. Wt., 4 lbs.	each	\$58.75
S-585610	Drying Pad. Wt., 1/16 lb.	each	1.37
S-580805	Filler Can. Wt., 1/2 lb.	each	7.50
S-582810	Handle. Wt., 1/8 lb.	each	1.87
S-586640	Rotor. Wt., 1/4 lb.	per box	12.19
S-585613	Wiper Pad. Wt., 1/16 lb.	per pkg.	2.88
S-796438	Petrolatum Grade A Spec. 5669.		
	Wt., 9 lbs.	per gallon	7.44
796439	Spindle Oil Grade A Spec. 5751.		
	Wt., 9 lbs.	per gallon	8.00

TECHNICAL LITERATURE, for Bank Cleaning Procedures: 231-401-700, Strowger Two-Motion Switches; 231-401-701, AE Rotary Switches; 231-401-702, AE Minor Switches.



(A) Stop/Slow Paddle Sign

578018 Size, 11 in.x14 in. Weight, 3/4 lb.....each **\$9.45**

Danger Flags

- S-573902** 12x14 in., 3-oz. muslin. Tapered staff, 7/8x18 in. Wt., 1/4 lb.....each **\$1.10**
- 573904** Similar type flag with 30-in. staff for use with S-570196 flag base. Wt., 1/2 lb.....each **.45**

"No Smoking" Sign

S-578015 Reads "No Smoking within 10 Feet". Attaches to manhole guard with clamps (included).....each **9.95**

(B) Pole Danger Flag and Holder

6-oz. duck flag, 12x16 in. Hardwood staff 1x18 in., with tapered end. Holder with adjustable lock fits all poles.

- S-573903** Flag only. Wt., 1/2 lb.....each **\$1.25**
- S-575204** Flag and Chain Holder. Wt., 2 1/2 lbs.....each **7.76**
- S-575205** Chain Flag Holder only.....each **5.60**

(C) Flare Kit

Kit includes carrying case and three triangular flares. Meets vehicle safety standard no. 125, Federal Highway Administration.

- 575526** Flare Kit.....each **\$18.00**
- 573908** Individual Replacement Flare for above kit.....each **7.10**

(D) High Level Warning Signs

Can be assembled at truckside in less than 90 seconds. Typical unit consists of "Men Working" flexible sign and 3 fluorescent warning flags mounted on a folding stand. Folds into compact case which mounts on side of truck with mounting bracket. Stand is very stable and will not turn or topple, even in high winds.

Flexible Signs—Black letters on reflectorized orange background. Signs meet or exceed specifications in the U.S. Dept. of Transportation "Manual on Uniform Traffic Control Devices."

- 578014** "Men Working" sign, 48x48 in. diamond.each **\$77.82**
- 577988** Same as above, except 36x36 in. diamond.each **55.21**
- 577991** "Construction Ahead" sign, 48x48 in. diamond.....each **77.82**
- 577985** Same as above, except 36x36 in. diamond.each **55.21**

High Level Warning Signs—Contd.

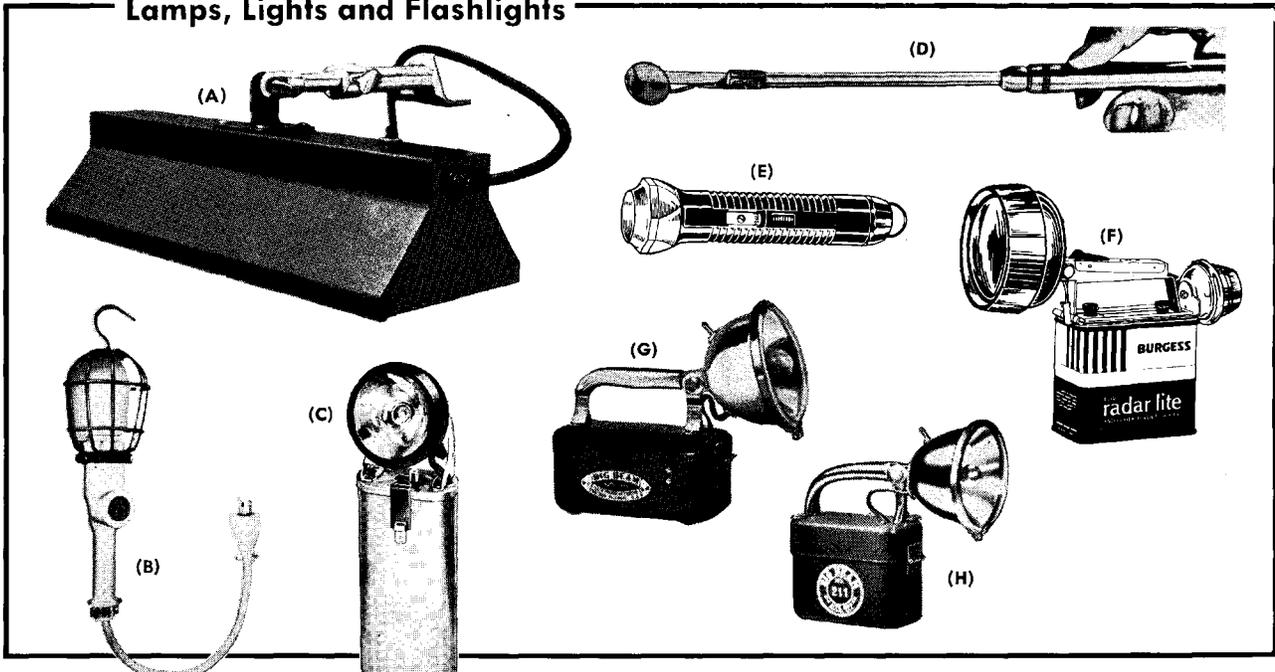
- 577987** "Flagman Ahead" sign, 48x48 in. diamond. Provision on sign for insert panels "500 Feet," "1000 Feet" or "1500 Feet." Order panels separately.....each **\$77.82**
 - 577986** Same as above, except 36x36 in. diamond.each **55.21**
 - 577996** "Right Lane Closed Ahead" sign, 48x48 in. diamond. Provision on sign for "Left" insert panel. Order panel separately.....each **77.82**
 - 577989** Same as above, except 36x36 in. diamond.each **55.21**
- Insert Panels**—Black letters on reflectorized orange background.
- 576211** "500 Feet" insert panel, 48x48 in.....each **14.25**
 - 576212** "1000 Feet" insert panel, 48x48 in.....each **14.25**
 - 576213** "1500 Feet" insert panel, 48x48 in.....each **14.25**
 - 576221** "Left" insert panel, 48x48 in.....each **14.25**
 - 576208** "500 Feet" insert panel, 36x36 in.....each **11.62**
 - 576209** "1000 Feet" insert panel, 36x36 in.....each **11.62**
 - 576210** "1500 Feet" insert panel, 36x36 in.....each **11.62**
 - 576214** "Left" insert panel, 36x36 in.....each **11.62**

Warning Sign Stand and Accessories

- S-578217** Warning Sign Stand. Folding 4-legged telescoping standard holds warning signs. With universal yoke for high flags or lights.....each **61.75**
- S-575872** Standard Extension Leg, for use with above stand. Serves as leveling device and adds weight for stability in winds.....each **9.29**
- S-571656** Case for warning sign stand.....each **18.41**
- S-571462** Truck Bracket for storing stand on truck.....each **14.82**
- S-573901** Fluorescent "Danger" Flag, 16x16 1/2 in. Order flag staffs separately.....each **1.94**
- S-578208** Flag Staff, 24 in. Flexible polyethylene. For use with above flags. Package of 10.....pkg. **1.99**
- S-578209** Same as above, except 36 in.....pkg. **2.29**
- S-579460** Universal Flag Yoke.....each **8.46**
- 575969** Three Flashing Lights, 7-in. diam. Center light rotates 90°. Transistorized. Use with warning sign stand.....each **139.30**

Prices are subject to change without notice.

Lamps, Lights and Flashlights



(A) 8-Watt Fluorescent Work Light
634441 Operates on 12V. d.c. With carrying case and 30' 2-cond. 18 AWG Type SJO cord with 2 terminal clips. 13 x 5 1/4 x 3 1/2 in. high. Wt., 10 1/2 lbs. . . . each **\$63.50**

(B) Trouble Lamp
S-575698 25-ft., 16-gauge, 3-conductor cord . . . each **\$22.30**

(C) Light-Stick
 Compact battery case holds 4 flashlight cells (S-570200) in a 6V. circuit. 2 1/2" reflector, adjustable head, lucite lens. With bulb. Has belt clip, carrying ring on bottom and slot for hanging on side. Overall size 9 x 2 7/8 x 1 7/8 in.
S-573912 Light-Stick, less batteries. Wt., 3/4 lb. each **\$8.20**

(D) Conduct-A-Lite Inspection Kit
 Consists of 2-cell Conduct-A-Lite, one 6" lite conductor with 24" curve, and 1 5/16" clip-on mirror. Operates on 2 standard pen-lite batteries. Plastic carrying case.
S-575501 Without batteries. Wt., 1/4 lb. each **\$9.29**

(E) Heavy-Duty Flashlight
 Plastic case with protected flat lens, belt ring. Uses 2 S-570200 batteries (order separately).
S-573911 Wt., 1/2 lb. each **\$2.16**

(F) Radar-Lite
 Spotlamp throws a brilliant half-mile beam. Red flasher visible for 1 mile. Battery lasts four times longer than old-fashioned batteries. Weatherproof.
S-575704 Lantern with battery. Wt., 5 lbs. . . . each **\$9.11**
S-570214 Replacement Battery. Wt., 4 lbs. . . . each **2.42**

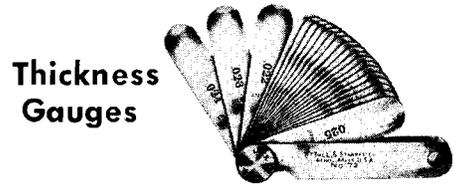
(G) No. 111 Big Beam Lamp
 Incandescent bulb. Uses one standard 6V. lantern battery.
S-575707 Lamp without battery. Wt., 2 lbs. . . . each **\$8.21**
S-575910 Clear Lens. Wt., 3/16 lb. each **1.00**
S-574500 Wire Guard. Wt., 1/8 lb. each **1.85**

(H) No. 211 Big Beam Lamp
 Focus adjustment gives choice of powerful 1/4-mile beam or spread lighting. With main and auxiliary bulbs. Holds 2 standard 6V. lantern batteries; powered by one, other is a spare.
S-575708 Lamp without batteries. Wt., 3 1/4 lbs. each **\$14.96**

Bulbs for Flashlights and Lanterns
S-575691 2 1/2 V. For S-573911 Flashlight. each **\$.17**
S-575694 6V. For S-575707, S-575705 Lanterns. . . each **.76**
S-575693 Flasher Bulb for S-575705 Lantern. . . . each **.20**

Dry Cell Batteries
S-570214 Lantern. NEDA 918. 6V. 5 11/32 x 2 27/32 x 4 15/16 in. each **\$2.42**
S-570203 Lantern. NEDA 908. 6V. 2 5/8 x 2 5/8 x 4 13/32 in. each **1.18**
S-570215 Instruments. NEDA 1101. 1.4V. each **1.37**
S-570207 Instruments. NEDA 714. 4 1/2 V. each **1.68**
S-570201 Penlight Flashlight. NEDA 815. 1 1/2 V. 9/16 x 1 31/32 in. each **.16**
S-570202 Flashlight, Type C. NEDA 814. 1 1/2 V. 1 1/2 x 1 15/16 in. each **.19**
S-570200 Flashlight, Type D. NEDA 813. 1 1/2 V. 1 11/32 x 2 13/32 in. each **.19**
S-570205 Telephone Test Sets. 4 1/2 V. each **2.01**
S-570218 Transistor Radio. NEDA 1611. 9V. each **1.96**
S-570212 Portable Radio B. NEDA 205. 22 1/2 V. each **3.35**
S-570209 Pocket Radio B. NEDA 215. 22 1/2 V. . . . each **1.30**
S-570208 Ignition, Emergency Lighting. NEDA 902. 6V. each **4.58**

Type B Batteries
S-570210 22 1/2 V. 3 17/32 x 2 1/8 x 2 29/32 in. Wt., 1 lb. . . each **\$1.98**
S-570211 45V. With spring clips. 8 1/32 x 4 1/32 x 7 3/16 in. Wt., 12 lbs. each **11.07**



Thickness Gauges
 Used for spring contact adjustment and for gauging the stroke of relay armatures. S-582151 from .004 to .025 by the thousandths of an inch. S-582150 for .0015, .002, .003, .004, .006, .008, .010, .012 and .015.
S-582151 No. of blades, 22. Wt., 1/8 lb. each **\$8.09**
S-582150 No. of blades, 9. Wt., 1/8 lb. each **4.85**