

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

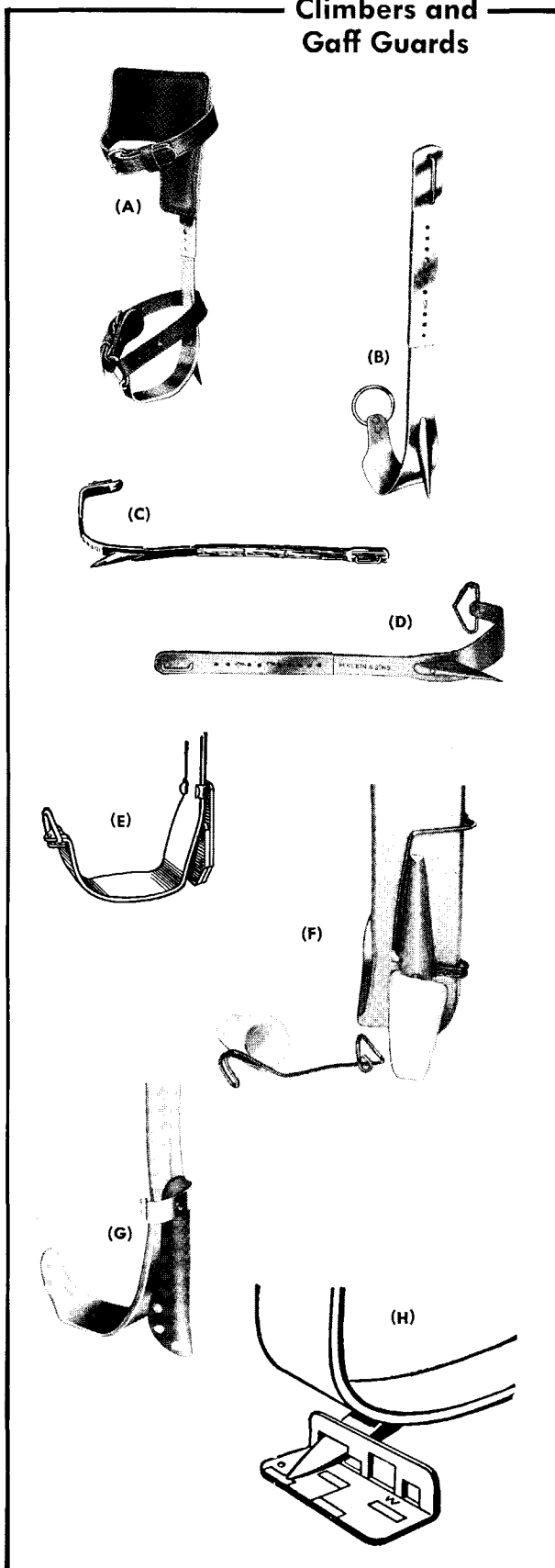
Printed in U.S.A. • Catalog 11,000 • 11M

	Page
<b>Adapters, Outlet, Electric</b> .....	41
<b>Air-Acetylene Appliances</b> .....	22
<b>Awls</b> .....	12
<b>Axes</b> .....	18
<b>Bags, Tool</b> .....	19
<b>Bandages, Insulating, Rubber</b> .....	39
<b>Bank Cleaning Equipment</b> .....	46
<b>Bars, Crow and Digging</b> .....	8
Expanding.....	8
Tamping.....	8
Wrecking.....	18
<b>Batteries</b> .....	48
<b>Belts, Tool</b> .....	4
<b>Benders, Cable</b> .....	29
<b>Binders, Load</b> .....	46
<b>Bisectors</b> .....	45
<b>Bits</b> .....	16, 17
<b>Blankets, Rubber</b> .....	45
<b>Blocks, Cable</b> .....	30
Snatch.....	28
Tackle.....	28
<b>Blowers</b> .....	40
<b>Blowers and Cleaners, Switchboard</b> .....	43
<b>Bonds, Cable</b> .....	36
<b>Boxes, Tool</b> .....	20
<b>Braces, Bit</b> .....	18
<b>Brushes</b> .....	9
<b>Buckets, Tool</b> .....	19
<b>Bulbs</b> .....	48
<b>Cable Bending Tools</b> .....	29
Equipment, Underground.....	33
Pressurizing and Testing Equipment.....	42
Spinning Equipment.....	32
Splicing Tools.....	36-38
Stringing Equipment.....	30, 31
<b>Canisters, Rubber Blanket</b> .....	45
<b>Cans, Oily Waste</b> .....	25
<b>Cans and Brushes, Soap</b> .....	39
<b>Cases, Tool</b> .....	20
<b>Chains</b> .....	8
<b>Chests, Tool</b> .....	20
<b>Chisels</b> .....	12
<b>Chucks, Wrench</b> .....	14
<b>Clamps, Flange</b> .....	37
<b>Cleaners, Brush, Wire</b> .....	9
File.....	11
<b>Cleaners and Blowers, Switchboard</b> .....	43
<b>Climbers</b> .....	3
<b>Clips, Cable</b> .....	36
Test.....	43
Cable Transfer.....	43
<b>Cloths</b> .....	38, 39
<b>Conduct-A-Lite Inspection Kits</b> .....	48
<b>Connectors, Test</b> .....	43
<b>Cords, Power</b> .....	41
<b>Cutters, Bolt</b> .....	8
Cable.....	8
<b>Dialing Tools and Pencils</b> .....	43
<b>Diggers, Post Hole</b> .....	8
<b>Dressers, Cable</b> .....	36
<b>Drills</b> .....	16-18
<b>Dynamometers</b> .....	45
<b>Embossing Tools</b> .....	41
<b>Extractors, Lamp Cap</b> .....	11
<b>Feeders, Cable</b> .....	33
<b>Figures, Steel</b> .....	29

	Page
<b>Files</b> .....	11
<b>Fish Tape</b> .....	6
<b>Flags, Safety</b> .....	47
<b>Flashlights</b> .....	48
<b>Gaff Guards</b> .....	3
<b>Gauges, Gaff</b> .....	3
Thickness.....	48
<b>Generators</b> .....	41
<b>Gins, Pole</b> .....	45
<b>Gloves</b> .....	25
<b>Goggles</b> .....	24
<b>Grips, Cable</b> .....	28
Cable Pulling.....	33
Flange.....	35
Wire.....	28
<b>Guards, Gaff</b> .....	3
Pole.....	45
<b>Guns, Injector, Resin</b> .....	38
<b>Hammer Drive Tools</b> .....	39
<b>Hammers</b> .....	15
<b>Handlines and Accessories</b> .....	26
<b>Handset Cap Tools</b> .....	41
<b>Heaters, Portable</b> .....	40, 41
<b>Hoists</b> .....	46
<b>Holders, Hat</b> .....	25
<b>Hooks, Anchor</b> .....	28
Cant.....	7
Lug.....	7
<b>Injectors, Desiccant</b> .....	38
<b>Inspectors' Tool Kits</b> .....	11
<b>Installers, Anchor</b> .....	41
<b>Irons, Soldering</b> .....	21, 22
<b>Kits, Splicing, Modular</b> .....	37
Tool, Inspectors'.....	11
<b>Knives</b> .....	13
<b>LP Gas Equipment</b> .....	23
<b>Ladders</b> .....	27
<b>Ladles, Pouring</b> .....	37
<b>Lamps</b> .....	48
<b>Lashers, Cable</b> .....	32
<b>Letters, Steel</b> .....	29
<b>Levels</b> .....	12
<b>Lights</b> .....	48
<b>Liners, Hat</b> .....	25
<b>Manhole Accessories</b> .....	39
<b>MC Tanks</b> .....	22
<b>Measurers, Height, Pocket</b> .....	46
<b>Measuring Equipment</b> .....	46
<b>Molds, End Plate</b> .....	37
Solder.....	37
<b>Nutdrivers</b> .....	14
<b>Oilers</b> .....	20
<b>Openers, Cable Sheath</b> .....	35
<b>Pads, Climber</b> .....	4
<b>Percussion Drills</b> .....	8
<b>Pins, Clamp, Rubber Blanket</b> .....	45
<b>Platforms and Accessories</b> .....	35
<b>Pliers</b> .....	10, 11, 35
<b>Plugs, Drift</b> .....	36
<b>Pockets</b> .....	5
<b>Poles, Line, Universal</b> .....	44, 45
Measuring.....	46
Pike.....	7
Pruner.....	7
<b>Pouches</b> .....	5, 19
<b>Pressurizing and Testing Equipment, Cable</b> .....	42
<b>Pres-To-Oilers</b> .....	20

	Page
<b>Propane Replacement Parts</b> .....	23
<b>Pruners</b> .....	7
<b>Pullers, Cable or Wire</b> .....	30, 33
Hoist Winch.....	46
<b>Pump, Submersible</b> .....	41
<b>Punches</b> .....	12
<b>Rasps</b> .....	11
<b>Reel Lifts</b> .....	29
<b>Reels, Wire</b> .....	45
<b>Regulators, Pressure</b> .....	22
<b>Removers, Plug</b> .....	14
<b>Rods, Duct</b> .....	33
Ranging, Telephone.....	27
<b>Rollers, Hand, Wire</b> .....	18
<b>Rope, Manila</b> .....	28
<b>Rules</b> .....	6
<b>Saws</b> .....	12
<b>Scissors</b> .....	8
<b>Screwdrivers</b> .....	14
<b>Shackles and Sheaves</b> .....	33
<b>Shears, Tabbag</b> .....	8
Lopping.....	7
<b>Sheaves and Shackles</b> .....	33
<b>Shovels</b> .....	9
<b>Signs</b> .....	47
<b>Slitters</b> .....	34, 35, 45
<b>Snips</b> .....	12
<b>Soldering Equipment</b> .....	21-23
<b>Spades</b> .....	9
<b>Spinners, Cable</b> .....	32
<b>Splicing Tools, Cable</b> .....	36-39
Tools, Wire.....	39
<b>Staples</b> .....	13
<b>Stapling Guns</b> .....	13
<b>Step Ladders</b> .....	27
<b>Straps, Ankle</b> .....	4
Climber.....	4
Safety.....	4
<b>Strippers</b> .....	34, 35
<b>Tackles, Block</b> .....	28
<b>Tape, Fish</b> .....	6
<b>Tapes, Measuring</b> .....	6
<b>Tarpaulins</b> .....	29
<b>Tension Testing Tools</b> .....	20
<b>Tent and Umbrella Assemblies</b> .....	25
<b>Tents</b> .....	25, 26
<b>Test Clips</b> .....	43
<b>Testers, Spray Leak</b> .....	39
<b>Thongs, Tape</b> .....	4
<b>Tool Bags, Buckets and Trays</b> .....	19
Belts.....	4
Boxes, Cases and Chests.....	20
Pockets.....	5
Pouches.....	5, 19
<b>Torches</b> .....	22, 23
<b>Trays, Tool</b> .....	19
<b>Tree Trimming Tools</b> .....	7
<b>Umbrella Assemblies</b> .....	25
<b>Underground Cable Equipment</b> .....	33
<b>Ventilating Equipment</b> .....	40, 41
<b>Vests, Safety</b> .....	25
<b>Wheels, Measuring</b> .....	46
<b>Wire Connecting Tools</b> .....	27
Raising Tools.....	7
Stringing Equipment.....	44, 45
Wrapping Tools.....	24
<b>Wrenches</b> .....	14, 15

### 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, 1⅜ pounds. . . . . each **\$1.05**

Prices are subject to change without notice.

### Climber Straps

Set of Two



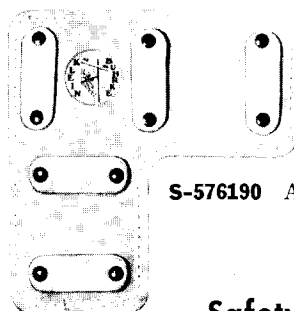
- S-578363** Leather; 1x22 in. Weight per dozen pairs, 6 pounds.....per pair **\$2.52**
- S-578362** Leather; 1¼x22 in. Weight per dozen pairs, 8 pounds.....per pair **3.44**
- S-578364** Leather; 1x26 in. Weight per dozen pairs, 8 pounds.....per pair **2.75**
- S-578373** Nylon; 1x22 in. Weight per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



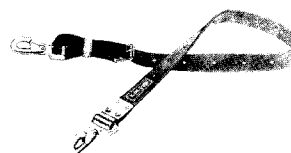
- S-578359** 1x26 in. Weight per dozen pairs, 8½ pounds.....per pair **\$3.72**
- S-578358** 1¼x26 in. Weight per dozen pairs, 10 pounds.....per pair **4.27**



### Climber Pads

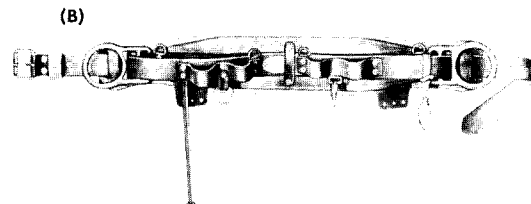
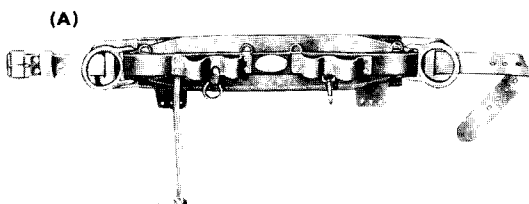
- S-576190** Angle shape. Latigo leather. Padded. 8x8 in. Weight per dozen pairs, 12 pounds.....per pair **\$6.90**

### 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

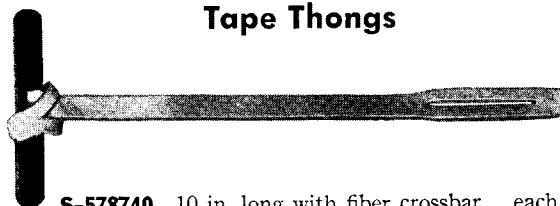
The strength of nylon and the comfort of leather. Accessories included: Glove bag ring, knife snap, two pocket tabs, four "D" rings, hand line carrier and tape thong. Width of belt, 5". Weight, 4¾ lbs.

- 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**

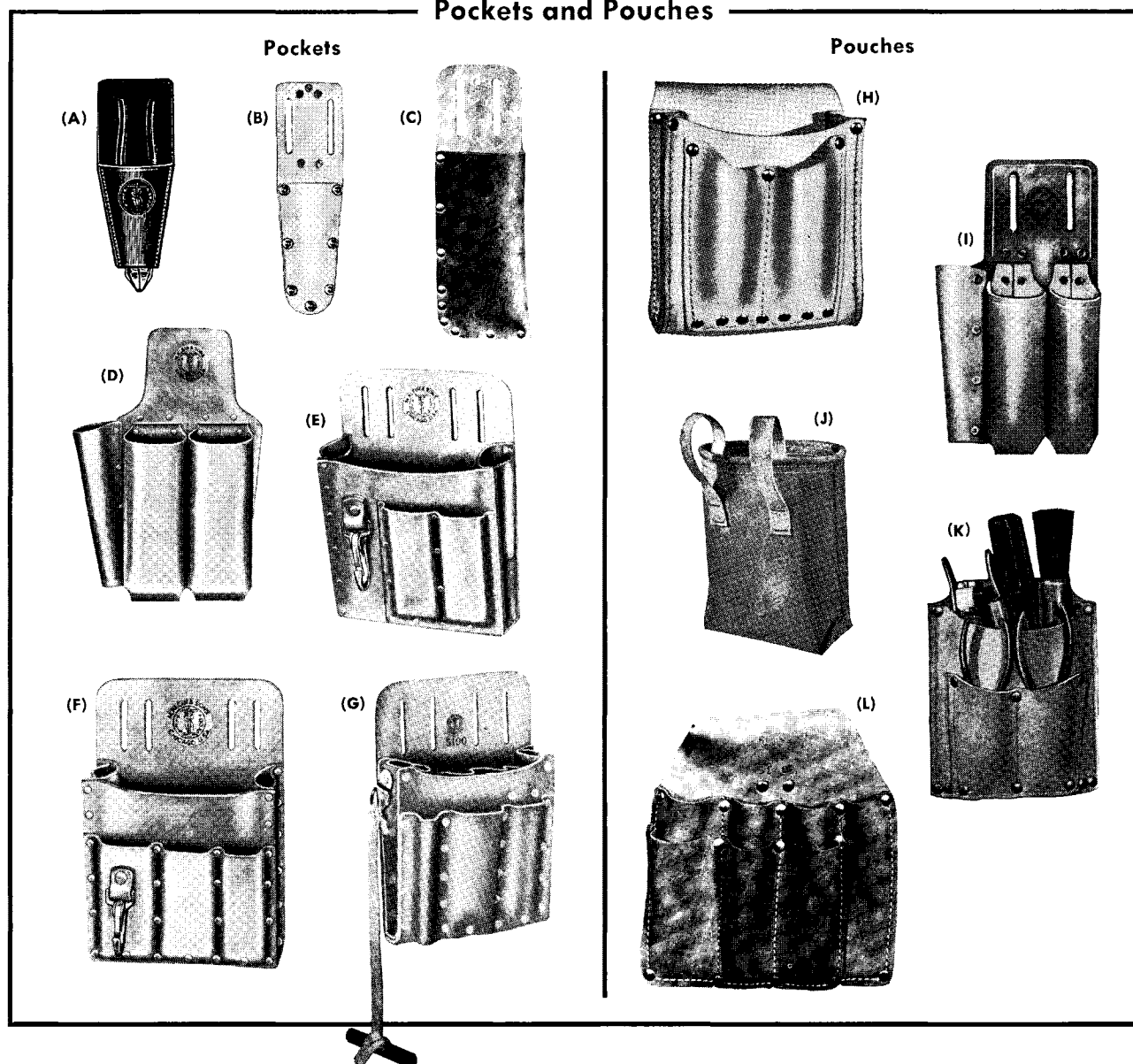
### Waist Belts

- 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.  $3\frac{1}{2} \times 8\frac{1}{2}$  in. Weight per dozen, 3 pounds. . . . each **\$1.61**

**(B) Electricians' Scissors Pocket**

**S-576785** Electricians' Scissors Pocket. Leather. Weight per dozen,  $1\frac{1}{2}$  pounds. . . . each **\$1.57**

**Leather Electricians' Pockets**

**(C) S-576779** For skinning knife.  $4 \times 9$  in. Wt. per doz., 8 lbs. . . . . each **\$2.75**

**(D) S-576791**  $6\frac{1}{2} \times 8\frac{3}{4}$  in. Wt. per doz., 8 lbs. . . . . each **5.13**

**(E) S-576792**  $8\frac{3}{4} \times 6$  in. Wt. per doz., 8 lbs. . . . . each **5.48**

**(F) S-576788**  $6\frac{1}{2} \times 8\frac{1}{2}$  in. Wt. per doz.,  $7\frac{1}{2}$  lbs. . . . each **5.34**

**(G) S-577004**  $7 \times 10$  in. Wt. per doz., 8 lbs. . . . . each **6.06**

**(H) Installers' Tool Pouch**

**S-577005**  $4 \times 5$  in. Weight per dozen,  $4\frac{1}{2}$  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.  $7 \times 9$  in. Weight,  $\frac{5}{16}$  pound. . . . each **\$3.19**

**Tool Pouches**

**(K) S-577007**  $6 \times 7$ ". Leather. Weight per dozen,  $3\frac{3}{4}$  pounds. . . . . each **\$5.81**

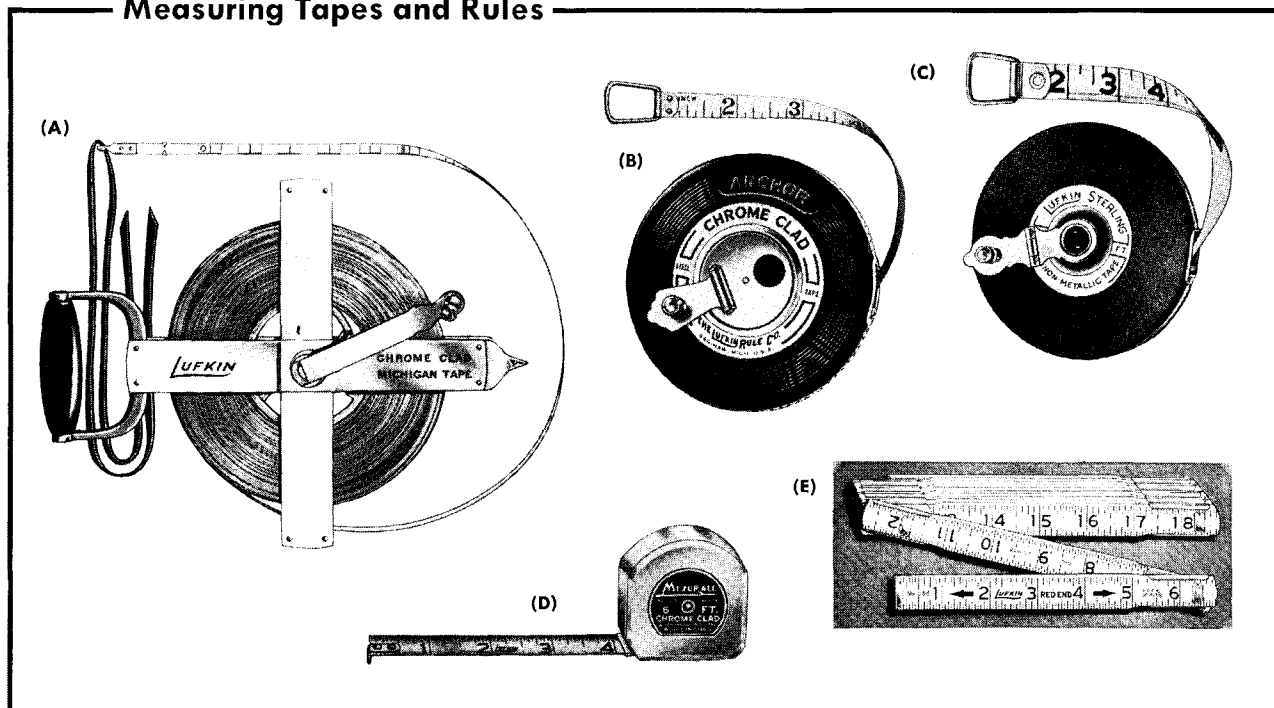
**(L) S-577006**  $8 \times 9$ ". Leather. Weight per dozen,  $6\frac{3}{4}$  pounds. . . . . each **8.29**

Prices are subject to change without notice.

**D-5**



## 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

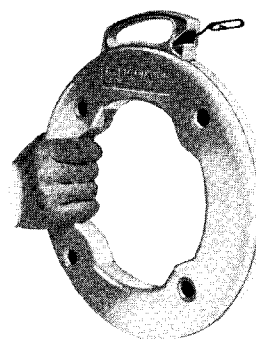
Marked consecutive inches to sixteenths, both edges of both sides.

- 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

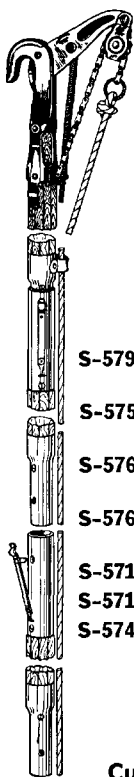
### With Tape Winders

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-575840**  $12\frac{7}{8}$  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. 1¼ 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. 1¼ 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

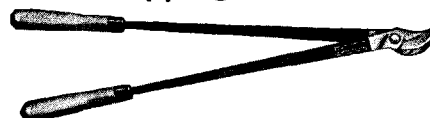
- 576943** 3-ft. section, 1⅝" diam. .... each **\$10.75**
- 576944** 6-ft. section, 1⅝" diam. .... each **14.75**
- 576945** Set of one 3-ft. section and three 6-ft. sections. .... per set **49.50**

### 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 polypropylene 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**



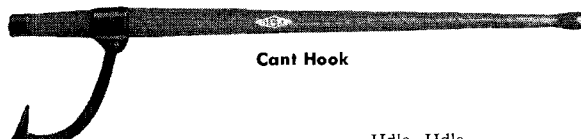
### Standard Straight Handle—2-In. Diameter

- 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

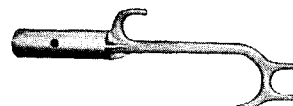


Lug Hook



Cant Hook

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



## 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.

D-7

**Heavy Shoe Tamping Bars**



White ash handle tapered at lower end. Extra heavy one-piece shoe. Tamping face,  $1\frac{1}{2} \times 3\frac{1}{2}$  inches.

**S-570189**  $1\frac{5}{8}$  in. x 8 ft. Wt., 12 lbs.....each **\$17.60**

**Curved Head Tamping Bars**



Tamping face,  $7 \times 1\frac{5}{16}$  inches.

**S-570188**  $1\frac{1}{2}$  in. x 8 ft. Wt.,  $12\frac{1}{2}$  lbs.....each **\$18.80**

**S-574977** Replacement Handle,  $1\frac{1}{2}$  in. x 8 ft.  
Wt.,  $3\frac{1}{2}$  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.

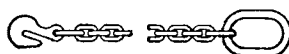
**S-570180** 1 in. x 8 ft. Wt., 23 lbs.....each **\$21.40**

**Post Hole Diggers**



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

**Sling Chain**



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

**D-8**

Prices are subject to change without notice.

**Log Chain**



Ordering No.	Steel Size In.	Inside Dimen. Links In.	Lgth. Ft.	Wt. Lbs.	Price Each
<b>S-571684</b>	$\frac{5}{16}$	$1\frac{1}{8} \times \frac{1}{2}$	14	16	<b>\$10.73</b>
<b>S-571685</b>	$\frac{3}{8}$	$1\frac{1}{32} \times \frac{5}{8}$	14	23	<b>15.70</b>

**Bolt Cutters**



For General Cutting

**For Heavy Cutting**

Up to Brinell 400 and Rockwell C42 Hardness

**S-572545** 24-in. length. Wt.,  $5\frac{1}{4}$  lbs.....each **\$17.34**  
**S-572547** 36-in. length. Wt.,  $12\frac{7}{8}$  lbs.....each **26.68**

**Tabbing Shears**

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

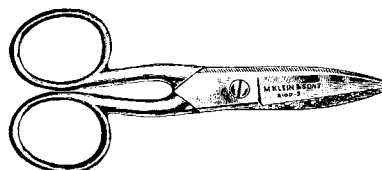
**Lead Sheathed Cable Cutters**



Ordering No.	Max. Diam. Cable, In.	Approx. Lgth., In.	Wt. Lbs.	Price Each
<b>S-572551</b>	1	$23\frac{1}{2}$	$5\frac{1}{4}$	<b>\$26.68</b>
<b>S-572550</b>	$2\frac{1}{4}$	37	$10\frac{3}{4}$	<b>32.02</b>

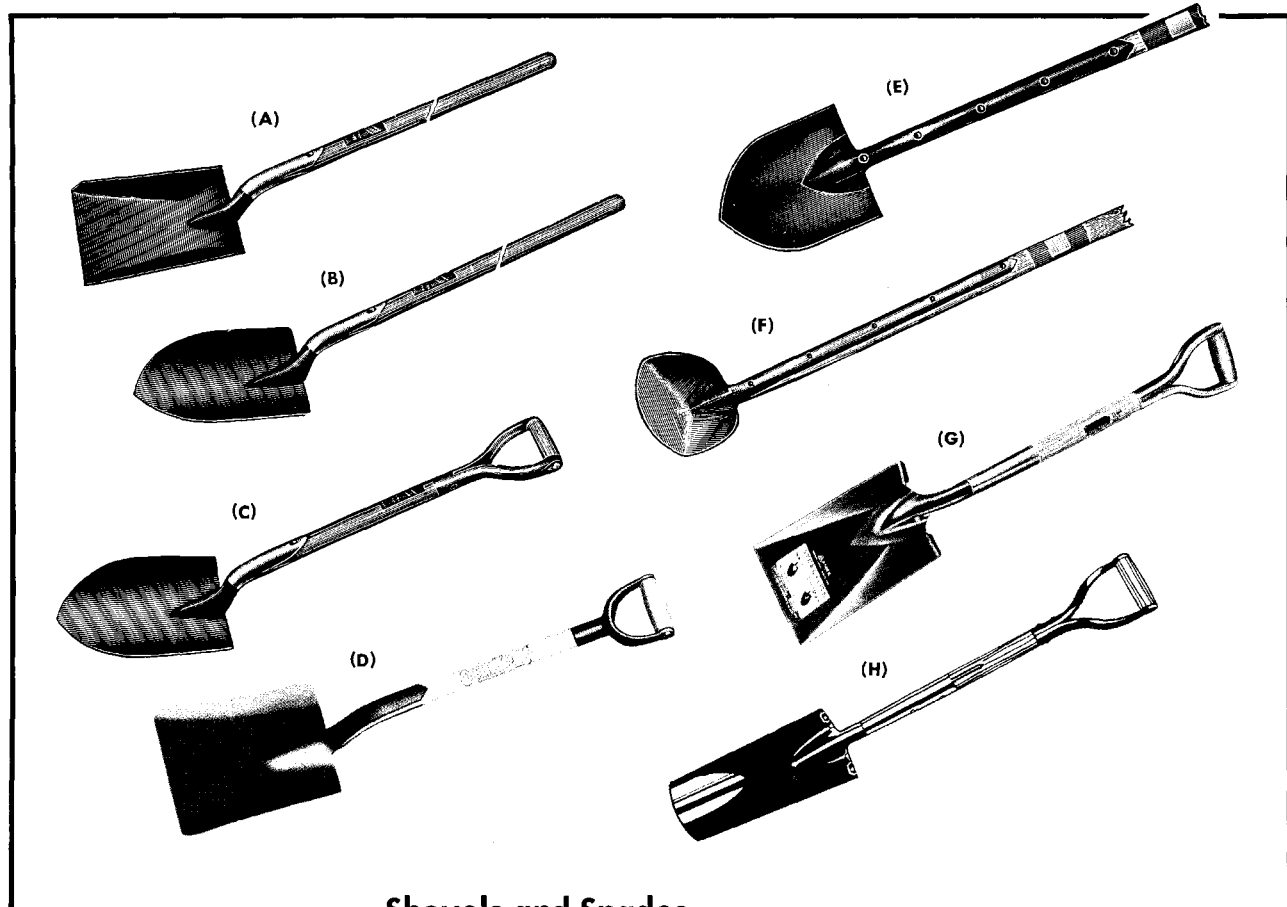
**Electricians' Scissors**

With Scraper and File



**S-577685**  $1\frac{7}{8}$ -in. cut.....each **3.82**  
**S-577687**  $1\frac{7}{8}$ -in. cut. Double stripping notch for 19 and 23-gauge wire.....each **3.82**  
**S-576785** Scissors Pocket.....each **1.57**





## 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
----------	--------	----	---	--------

## (C) D-Handle, Round Point Shovel

S-577911	9 x 12	27	5	\$8.50
----------	--------	----	---	--------

## (D) D-Handle, Square Point Shovel

S-577905	10½x12	27	4	\$8.77
----------	--------	----	---	--------

## (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

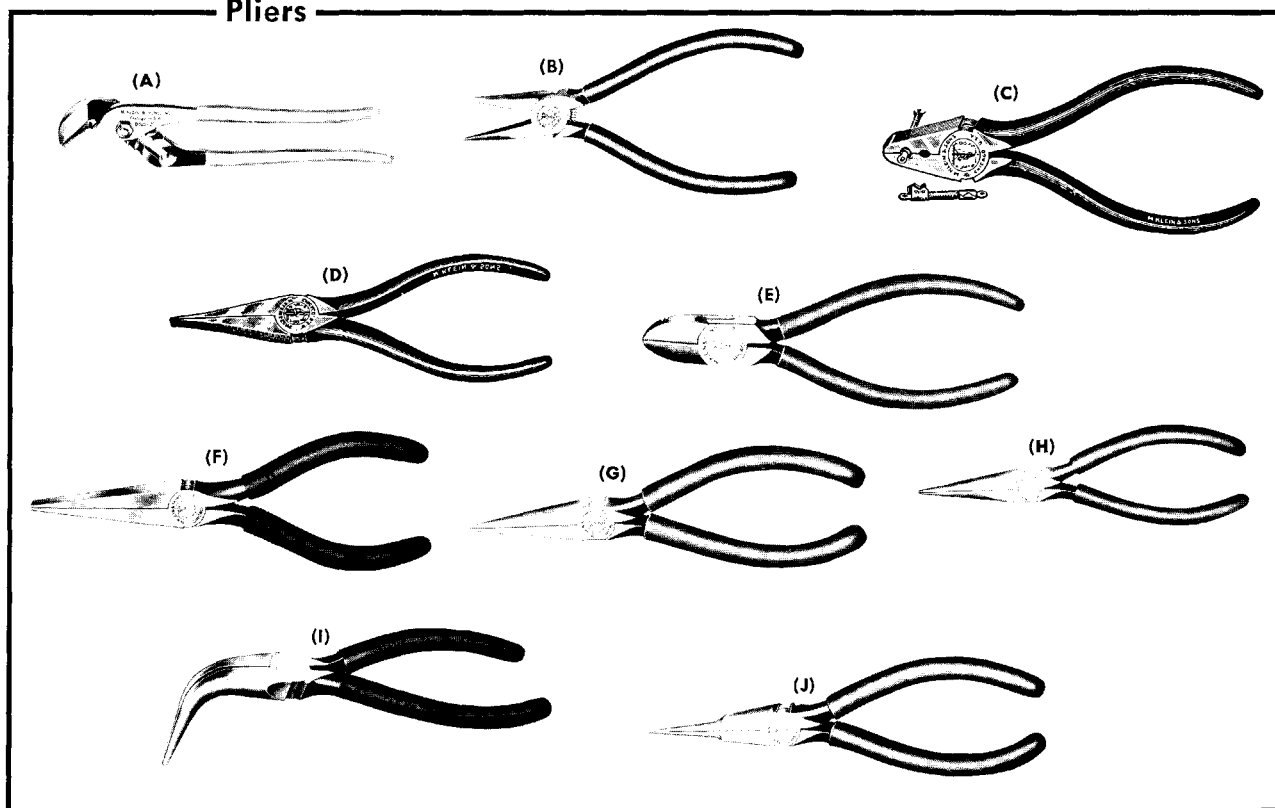
## Round Type

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.

D-9

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**

D-10

Prices are subject to change without notice.

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

- S-576498** Length, 6 $\frac{5}{8}$  in. Wt. per doz., 3 $\frac{1}{2}$  lbs. each **\$4.18**  
**S-576496** With cutting knives. Wt. per doz., 3 $\frac{1}{4}$  lbs. .... each **4.66**

**Lamp Cap Extractors—with yellow plastic dipped handles**

- S-581949** Length, 5 $\frac{1}{4}$  in. Wt. per doz., 2 $\frac{1}{2}$  lbs. each **\$3.84**

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

- S-576505** Length, 6 $\frac{5}{8}$  in. Wt. per doz., 3 $\frac{3}{4}$  lbs. each **\$4.56**

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

- S-576485** Length, 5 $\frac{1}{4}$  in. Wt. per doz., 2 $\frac{1}{2}$  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., 3 $\frac{1}{2}$  lbs. .... each **\$3.68**

**Narrow Head Oblique Cutting Pliers—with spring jaws**

- S-576452** Length, 5 in. Red plastic-dipped handles. Wt. per doz., 2 $\frac{1}{2}$  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, 5 $\frac{1}{2}$  in. Wt. per doz., 3 $\frac{3}{4}$  lbs. .... each **3.53**  
**S-576460** Plain handles. Length, 6 $\frac{1}{16}$  in. Wt. per doz., 4 lbs. .... each **3.60**  
**S-576461** Length, 6 $\frac{1}{16}$  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., 4 $\frac{1}{4}$  lbs. .... each **\$4.04**  
**S-576465** Plain handles. Length, 7 $\frac{1}{4}$  in. Wt. per doz., 6 $\frac{3}{4}$  lbs. .... each **4.51**

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

- 576453** Length, 5 in. Wt. per doz., 3 $\frac{3}{4}$  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., 2 $\frac{1}{2}$  lbs. .... each **\$4.17**

**Oblique Cutting Pliers—with W notches**

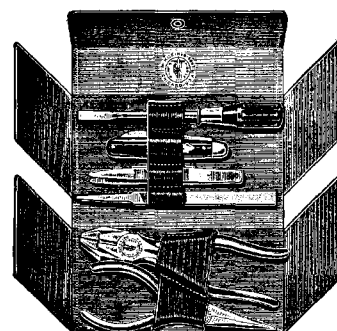
- S-576451** Plain handles. Length, 5 $\frac{1}{2}$  in. Wt. per doz., 3 $\frac{3}{4}$  lbs. .... each **\$4.24**  
**S-576466** Heavy duty. Length, 6 in. Red plastic dipped handles. Wt. per doz., 4 lbs. .... each **4.44**

**Pliers—Continued**
**Round Nose Cutting Pliers**

- S-576474** Plain handles. Length, 6 $\frac{1}{4}$  in. Wt. per doz., 5 lbs. .... each **\$4.05**  
**S-576517** Blue plastic dipped handles. .... each **4.51**  
**S-576476** Plain handles. Length, 8 $\frac{1}{2}$  in. Wt. per doz., 11 lbs. .... each **4.79**  
**S-576475** Plain handles. Length, 9 $\frac{1}{4}$  in. Wt. per doz., 13 $\frac{1}{2}$  lbs. .... each **5.16**

**High Leverage Cutting Pliers**

- 576473** Length, 8 $\frac{1}{2}$  in. Blue plastic dipped handles. Wt. per doz., 11 $\frac{1}{4}$  lbs. .... each **\$5.64**  
**S-576479** Plain handles. Length, 9 $\frac{1}{4}$  in. Wt. per doz., 13 $\frac{1}{2}$  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, 6 $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x1 $\frac{1}{2}$ " .... 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**

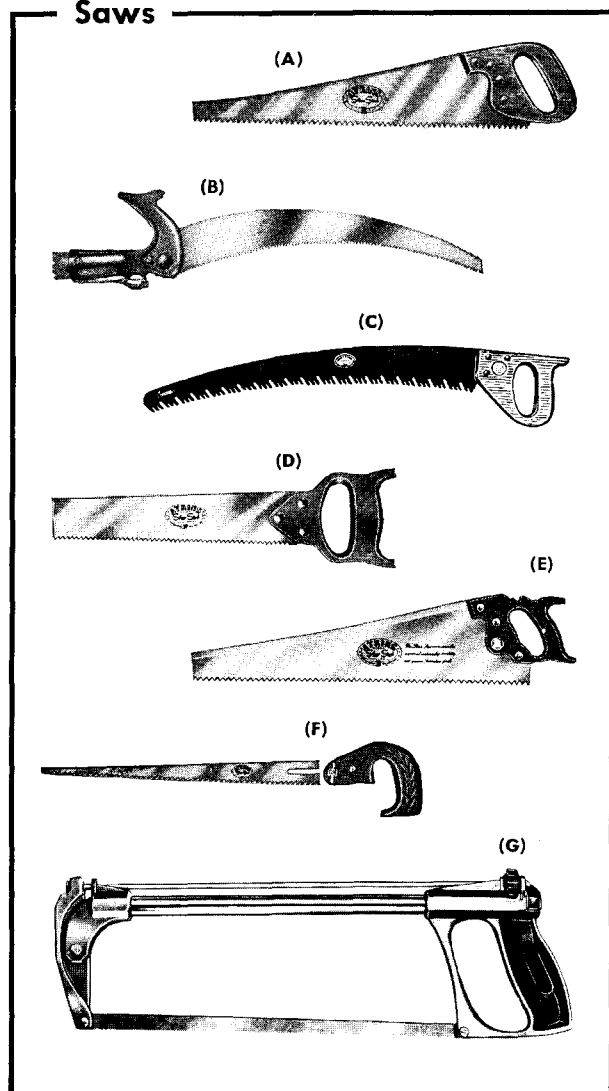
**File Cleaners**

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

Prices are subject to change without notice.

**D-11**

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

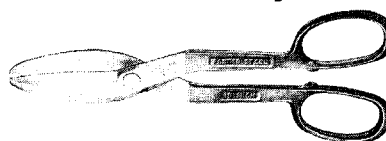


- 517741** 2x8 in. Wt. per doz., 24 lbs. .... each **\$10.78**  
**S-574480** Chisel Guard. .... each **2.17**

D-12

Prices are subject to change without notice.

Tinners' Snips



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

Pin Punches

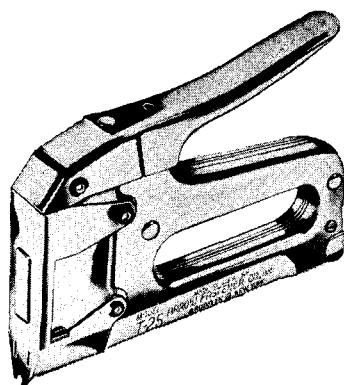


- S-577191** ½-in. diameter point. .... each **\$ .92**

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
<b>S-557409</b>	5/8	Painted Monel Beige.....	<b>\$10.71</b>
<b>S-557410</b>	7/8	Painted Monel Beige.....	<b>12.27</b>

## (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
<b>S-575540</b>	Heavy Duty Splitting Knife	4 1/2	8 3/4	13	<b>\$3.84</b>

## (D) Cable Sheath Splitting Knife—light duty

<b>S-575541</b>	Light Duty Splitting Knife	2 13/32	7 1/4	5	<b>\$3.68</b>
<b>S-574495</b>	Leather Guard for splitting knives	...	...	1 1/2	<b>1.96</b>

## (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

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

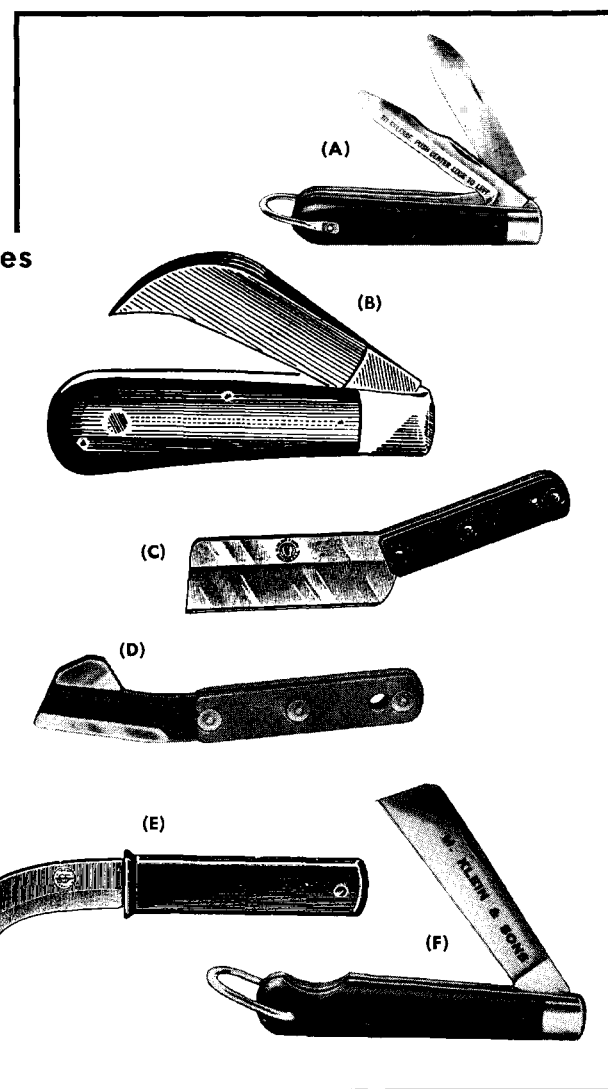
## For S-574725 Stapling Gun

Box of 5,000

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

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

## Knives

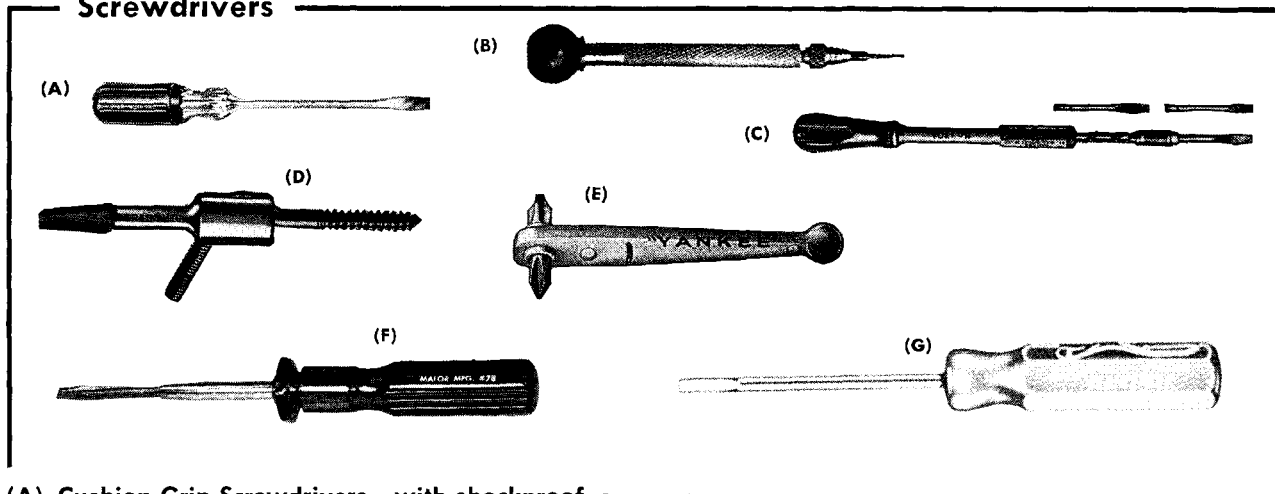


Prices are subject to change without notice.

D-13



Screwdrivers



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

Heavy Duty Round Shank

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

Heavy Duty Square Shank

S-577724	4x $\frac{1}{4}$	3	\$1.62
S-577728	8x $\frac{3}{8}$	7 $\frac{3}{4}$	2.40

Electricians' and Telephone Round Shank

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

Super-Hard Phillips

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

(C) Spiral Ratchet Screwdrivers

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 Wrenches

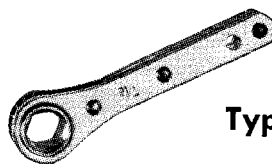
S-579271 For  $\frac{1}{4}$ -in. bolts. Wt., 1 lb. each \$9.90

Linemen's Wrenches

Ordering No.	Large End Opening, In.	Small End Opening, In.	Lgth. In.	Wt., Lbs.	Price per Doz. Each
S-579255	1 $\frac{3}{32}$ and 2 $\frac{29}{32}$	1 $\frac{13}{16}$ and 5 $\frac{5}{8}$	13	23	\$4.95
S-579256	1 $\frac{1}{16}$ and 1 $\frac{15}{16}$	5 $\frac{5}{8}$ and 7 $\frac{7}{8}$	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  $\frac{5}{8}$ " square drive wrench. each 23.15

Split Conduit Plug Removers

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

## Hex Socket Wrenches

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

**S-579235** ..... each **\$3.33**

## Socket Wrenches

With  $\frac{5}{8}$ " hex shank. For use with impact wrenches.

**S-579314**  $\frac{7}{8}$  in., standard depth..... each **\$7.60**

**579311**  $1\frac{1}{16}$ x4 in. deep ..... each **18.45**

**S-579313**  $1\frac{3}{16}$ x4 in. deep ..... each **18.80**

**S-579317**  $1\frac{1}{16}$ x5 in. deep ..... each **19.25**

**S-579318**  $1\frac{1}{8}$ x5 in. deep ..... each **19.60**

## Pipe Wrenches

**S-579268** Normal duty;  $\frac{1}{4}$ -2-in. capacity. 24-in. length. Wt.,  $7\frac{1}{2}$  lbs. .... each **\$13.71**

**S-579266** Heavy duty;  $\frac{1}{4}$ -2-in. capacity. 14-in. length. Wt.,  $3\frac{1}{2}$  lbs. .... each **8.78**

## Regulator Wrenches

For  $\frac{7}{16}$ ,  $\frac{1}{2}$ ,  $\frac{9}{16}$ ,  $\frac{5}{8}$ ,  $1\frac{1}{16}$ -inch width nuts. Weight,  $1\frac{1}{2}$  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  $\frac{7}{16}$ -in. and one  $\frac{9}{16}$ -in. socket; one combination short wrench,  $\frac{7}{8}$ -in. box end and  $1\frac{5}{8}$ -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,  $13\frac{1}{2}$  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**

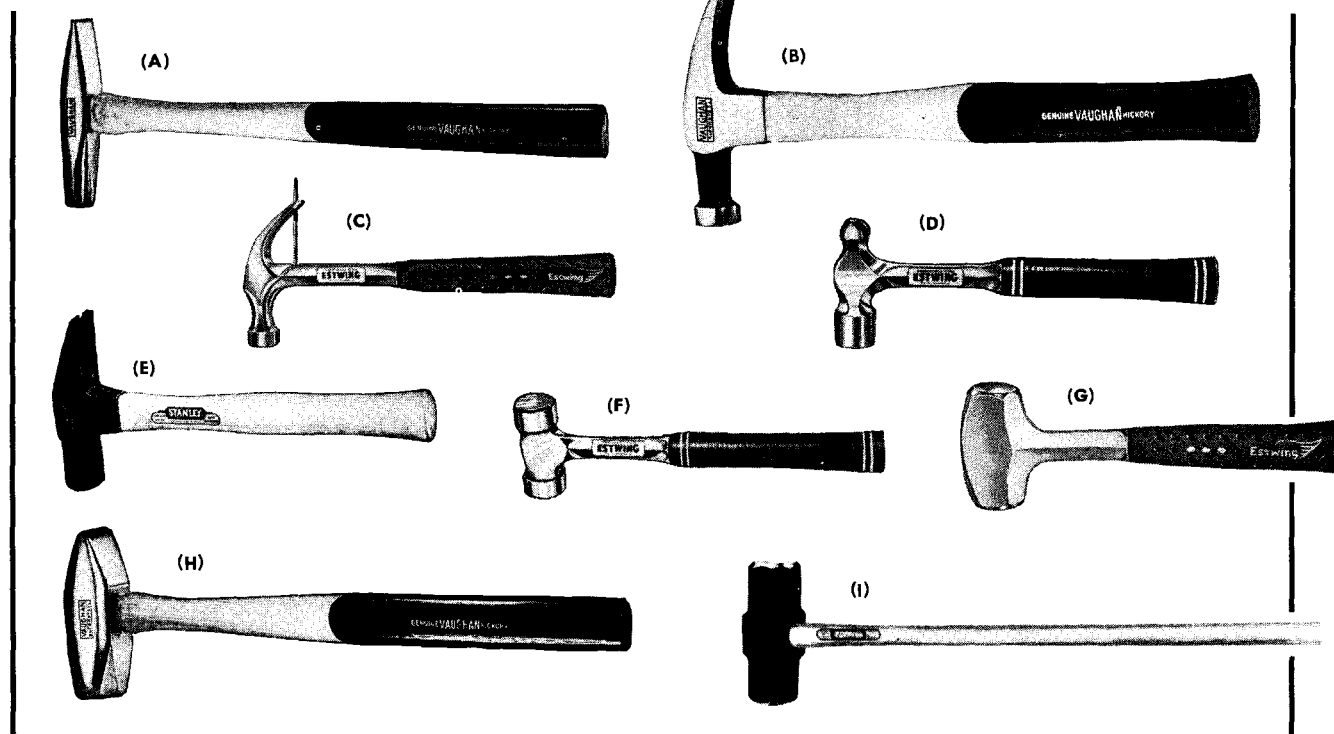
## (H) Blacksmiths' Hand Hammers

**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

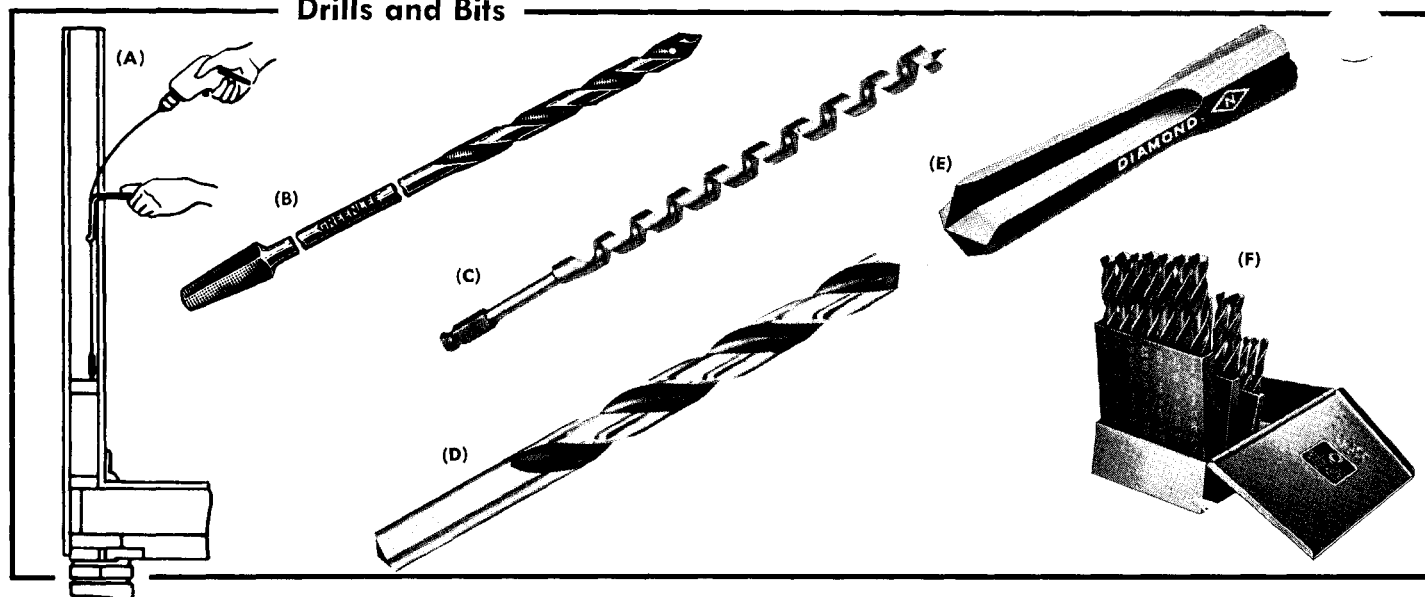
**S-574956** Head, 8 lbs. Length, 36 in. .... each **\$9.12**



Prices are subject to change without notice.

D-15

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.

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

(B) Bellhangers Drills—light duty

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

12-In. Overall Length

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

18-In. Overall Length

<b>S-572813</b>	$\frac{3}{16}$	<b>\$2.65</b>
<b>S-572814</b>	$\frac{1}{4}$	<b>2.65</b>
<b>S-572815</b>	$\frac{5}{16}$	<b>2.79</b>
<b>S-572816</b>	$\frac{3}{8}$	<b>2.84</b>

18-In. Overall Length

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

24-In. Overall Length

<b>S-572796</b>	$\frac{1}{4}$	<b>\$3.23</b>
<b>S-572799</b>	$\frac{3}{8}$	<b>3.43</b>

Cable Drills and Bits—for lead sheaths and sleeves

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

(C) Drills—single spur impact bit,  $\frac{5}{8}$ -in. hex shank

<b>S-570858</b>	$\frac{1}{2}$ x8 in. long.	each	<b>\$5.78</b>
<b>S-570859</b>	$\frac{9}{16}$ x4 in. long, pole step.	each	<b>7.95</b>
<b>S-570861</b>	$\frac{11}{16}$ x12 in. long.	each	<b>6.66</b>
<b>S-570865</b>	$\frac{11}{16}$ x18 in. long.	each	<b>8.62</b>
<b>S-570863</b>	$\frac{13}{16}$ x12 in. long.	each	<b>6.96</b>
<b>S-570867</b>	$\frac{17}{16}$ x12 in. long.	each	<b>8.67</b>

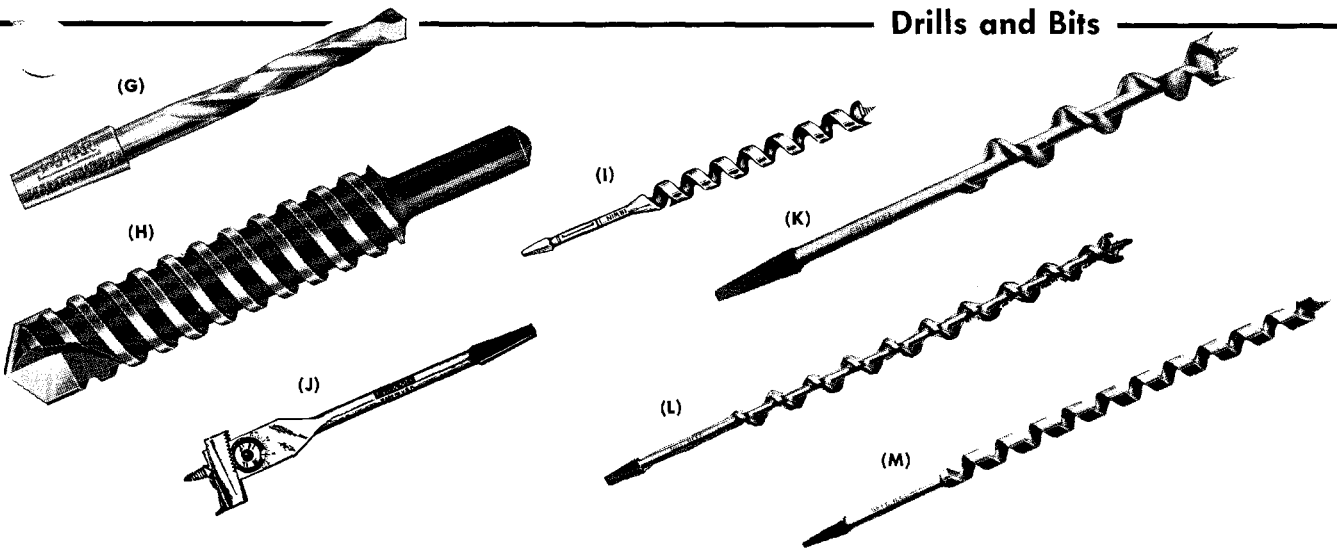
(D) High Speed Straight Shank Drills—fractional and wire gauge sizes

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

(E) Four-Point Star Drills

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

## Drills and Bits

**(F) Standard Straight Shank Twist Drill Sets**

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

**(G) Percussion Masonry Drill Points**

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

**(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
<b>S-572936</b>	3/16	3	1/4	<b>\$1.73</b>
<b>S-572938</b>	1/4	4	1/4	<b>1.73</b>
<b>S-572940</b>	5/16	4	1/4	<b>1.88</b>
<b>S-572942</b>	3/8	4	1/4	<b>2.05</b>
<b>S-572944</b>	7/16	4	1/4	<b>2.30</b>
<b>S-572947</b>	1/2	4	1/4	<b>2.60</b>
<b>S-572946</b>	1/2	6	3/8	<b>2.60</b>
<b>S-572950</b>	5/8	6	1/2	<b>3.63</b>
<b>S-572955</b>	3/4	6	1/2	<b>4.44</b>
<b>S-572957</b>	7/8	6	1/2	<b>5.56</b>

**(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
<b>570714</b>	3/16	<b>\$2.92</b>	<b>S-570719</b>	9/16	<b>\$3.05</b>
<b>570715</b>	5/16	<b>2.92</b>	<b>S-570720</b>	5/8	<b>3.14</b>
<b>S-570717</b>	7/16	<b>2.92</b>	<b>S-570721</b>	11/16	<b>3.45</b>
<b>570718</b>	1/2	<b>2.92</b>	<b>S-570723</b>	13/16	<b>3.66</b>

**(J) Micro-Dial Expansive Auger Bits**

<b>S-570839</b>	Size cutting range, 5/8 to 1 3/4 in.	each	<b>\$2.94</b>
<b>S-570840</b>	Size cutting range, 7/8 to 3 in.	each	<b>3.27</b>

**(K) Auger Bits—with medium fast pitch**

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

\*Six per box. †Three per box.

**(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
<b>S-570774</b>	1/4	<b>\$2.80</b>	<b>S-570780</b>	5/8	<b>\$2.79</b>
<b>570775</b>	5/16	<b>2.77</b>	<b>S-570781</b>	11/16	<b>2.89</b>
<b>S-570776</b>	3/8	<b>2.89</b>	<b>S-570782</b>	3/4	<b>3.09</b>
<b>S-570777</b>	7/16	<b>2.70</b>	<b>S-570783</b>	13/16	<b>3.19</b>
<b>S-570778</b>	1/2	<b>2.70</b>	<b>S-570790</b>	1 1/4	<b>5.29</b>
<b>S-570779</b>	9/16	<b>2.70</b>			

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

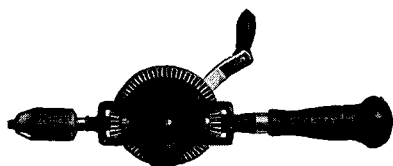
Single-twist, single-cutter head and side lip. No out-lining spurs. Twist length, 12 inches; overall length, 18 inches.

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

Prices are subject to change without notice.

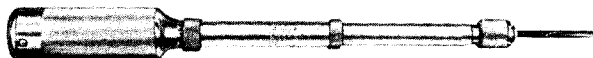
D-17

### Hand Drills



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

### Steel Push Drills



**S-573201** With eight drill points,  $\frac{1}{16}$ - $\frac{1}{64}$  in. .... each **\$8.38**  
**S-573200** With ten drill points. Two each  $\frac{1}{16}$ ,  $\frac{3}{32}$  and  $\frac{1}{64}$  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
<b>S-576846</b>	1	$\frac{1}{16}$	<b>\$.28</b>	<b>S-576850</b>	5	$\frac{1}{8}$	<b>\$.36</b>
<b>S-576847</b>	2	$\frac{5}{64}$	<b>.28</b>	<b>S-576851</b>	6	$\frac{9}{64}$	<b>.36</b>
<b>S-576848</b>	3	$\frac{3}{32}$	<b>.28</b>	<b>S-576852</b>	7	$\frac{5}{32}$	<b>.36</b>
<b>S-576849</b>	4	$\frac{7}{64}$	<b>.28</b>	<b>S-576853</b>	8	$\frac{11}{64}$	<b>.36</b>

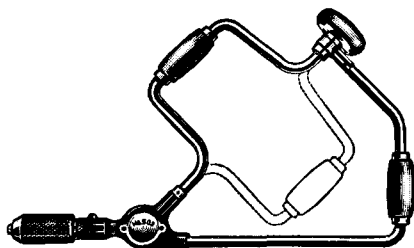
#### Drill Point Sets

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

#### Wire Gauge Sizes

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

### Corner Bit Braces



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

### Brace Bit Extensions

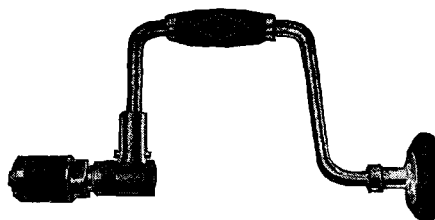


For  $\frac{3}{8}$ -inch and larger bits. Positive lock insures absolute grip on shank while boring or withdrawing.  
**S-573725** 18-in. overall length. .... each **\$6.52**

**D-18**

Prices are subject to change without notice.

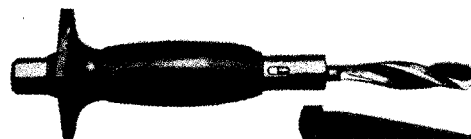
### Ratchet Braces



Capacity,  $\frac{1}{2}$  inch round shanks; square shanks  $\frac{5}{8}$  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



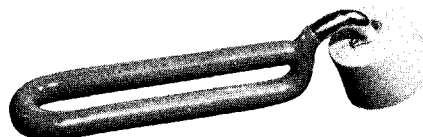
**S-575200** Rubber Holder and Pin. Wt. per doz., 10 lbs. .... each **\$4.77**  
**S-576258** Pin only. Wt. per doz.,  $\frac{3}{4}$  lb. .... per 100 **6.13**

### Michigan Axes, Guards and Handles



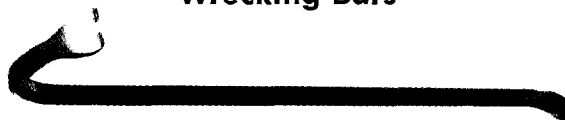
**S-570061** Axe only. Head,  $3\frac{1}{2}$  lbs. Length, 36 in. each **\$7.59**  
**S-574470** Fiber Guard. .... each **2.15**  
**S-574960** Replacement handle. Length 36 in. .... each **2.19**

### Scotch Flex® Flat Station Wire Hand Rollers



**S-577405** .... each **\$1.96**

### Wrecking Bars



**S-570192**  $\frac{3}{4}$ x24 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

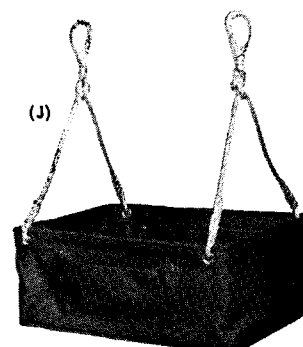
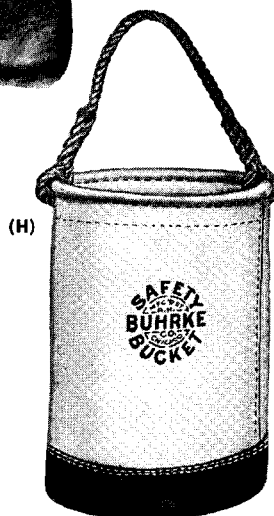
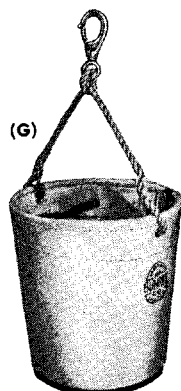
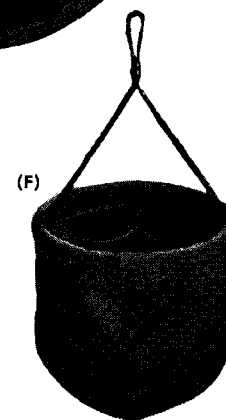
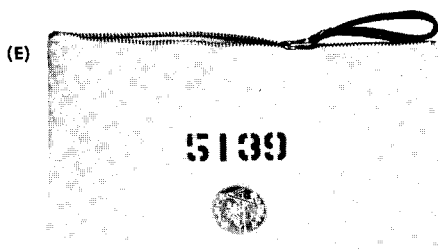
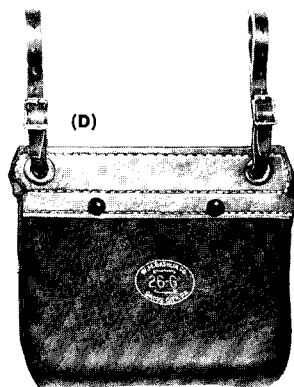
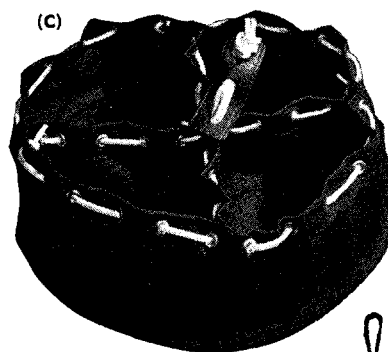
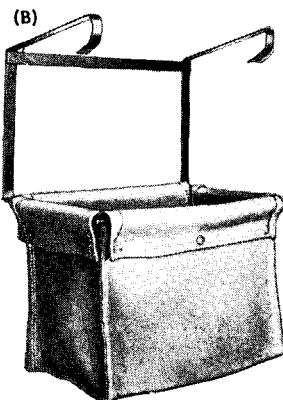
(G) S-571527 Leather bottom. Rope handle and swivel snap. 12x9x12 in. each 13.03

(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.

D-19

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. Refillable. Wt.,  $\frac{1}{8}$  lb.....each **\$1.45**

**D-20**

**Tension Testing Tools**

**Non-Conductive Cornus Florida Wood**



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

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	\$ .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.....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

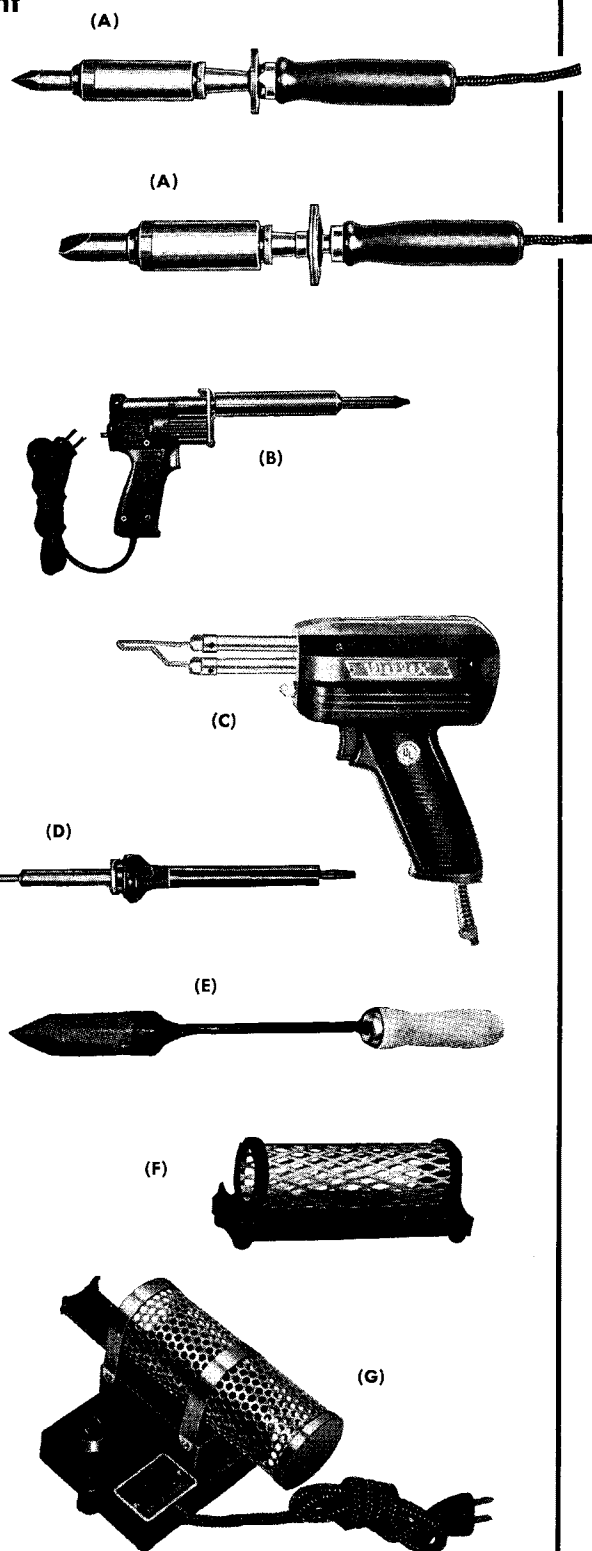
## (F) Soldering Iron Holder

S-575211 Wt., 3 lbs.....each \$6.00

## (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

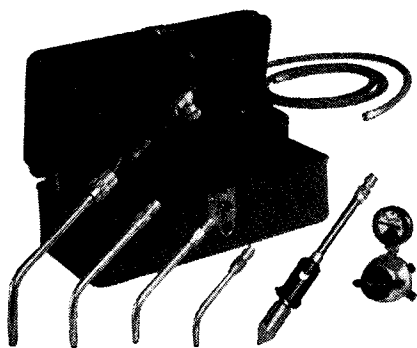


Prices are subject to change without notice.

D-21

# Air-Acetylene Appliances

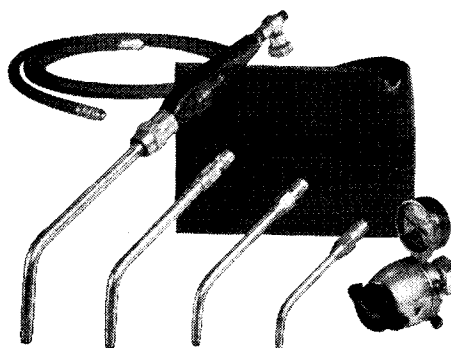
## 5-in-1 Outfits



**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

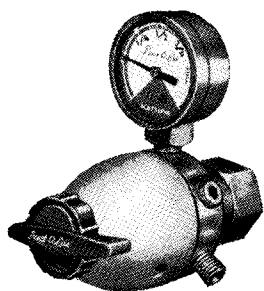


Same handle and open flame stems as the 5-in-1 Outfit, but omits the soldering iron stem. It will handle the same range of operations as the 5-in-1 heating, soldering, and light brazing.

**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**

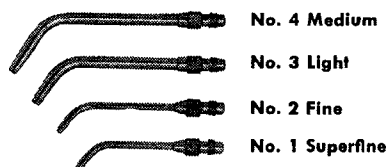
## Pressure Regulators



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.

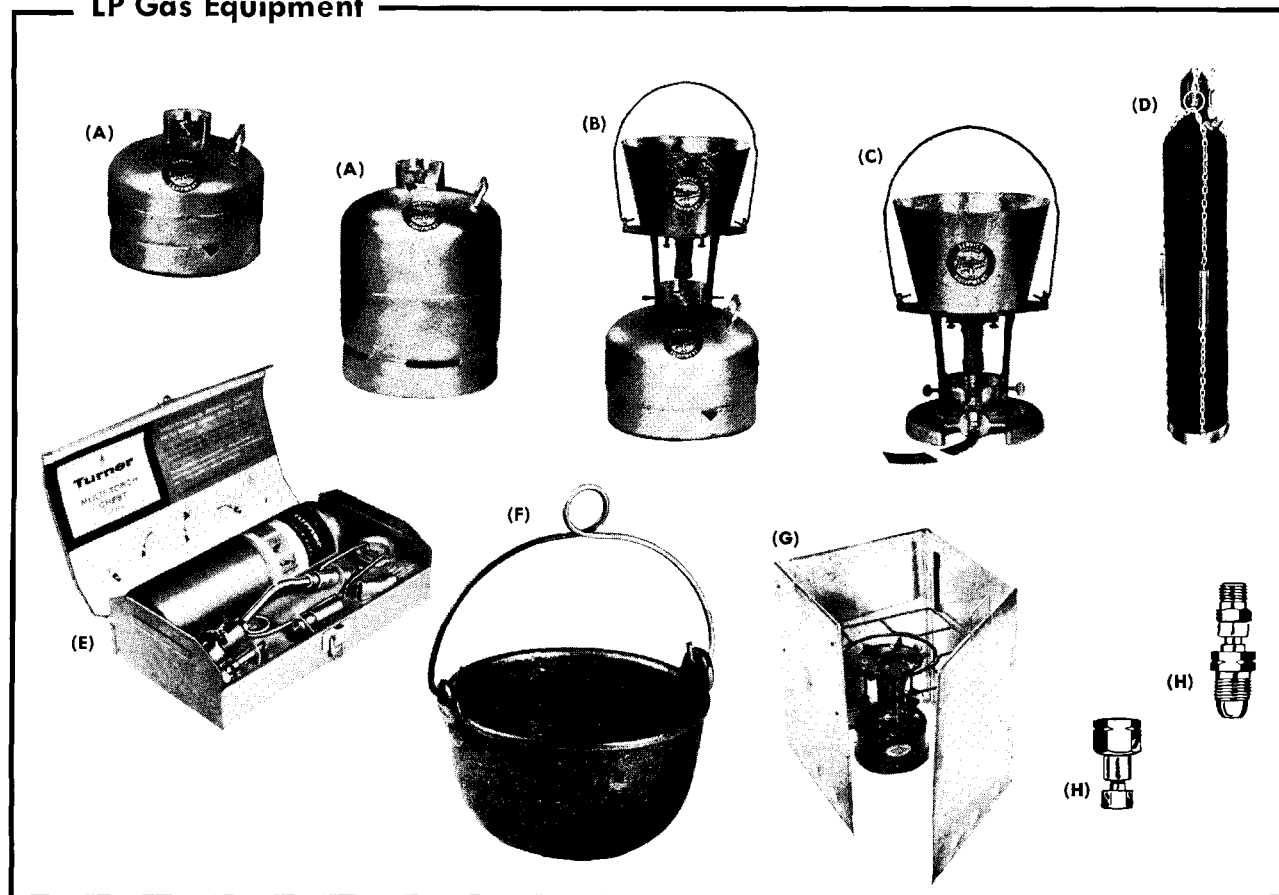


**S-574968.** Torch handle with shutoff valve on back end.

**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 1/4-in. 10-ft. hose. If another type cylinder is used, connect with S-575337 1/4-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, 4 1/2 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, 7 3/4". Weight, 7 lbs. each **\$7.10**

**(G) Folding Windshield**

Four sides; with welded steel grate.

- S-577876** Folded, 23x17 1/2x2 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 3/8 or 1/4-in. thread Adapter. .... each **3.70**

**Tip Assemblies**

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

**Gas Hose**

**S-575335** 1/4-in.x10-ft. with nut on both ends. .... each **\$11.25**

**575337** 1/4-in.x10-ft. with nut on one end, P.O.L. hose stem on other end. .... each **11.25**

**S-575336** 1/4-in.x25-ft. with nut on both ends. .... each **20.81**

**P.O.L. Tank Holders**

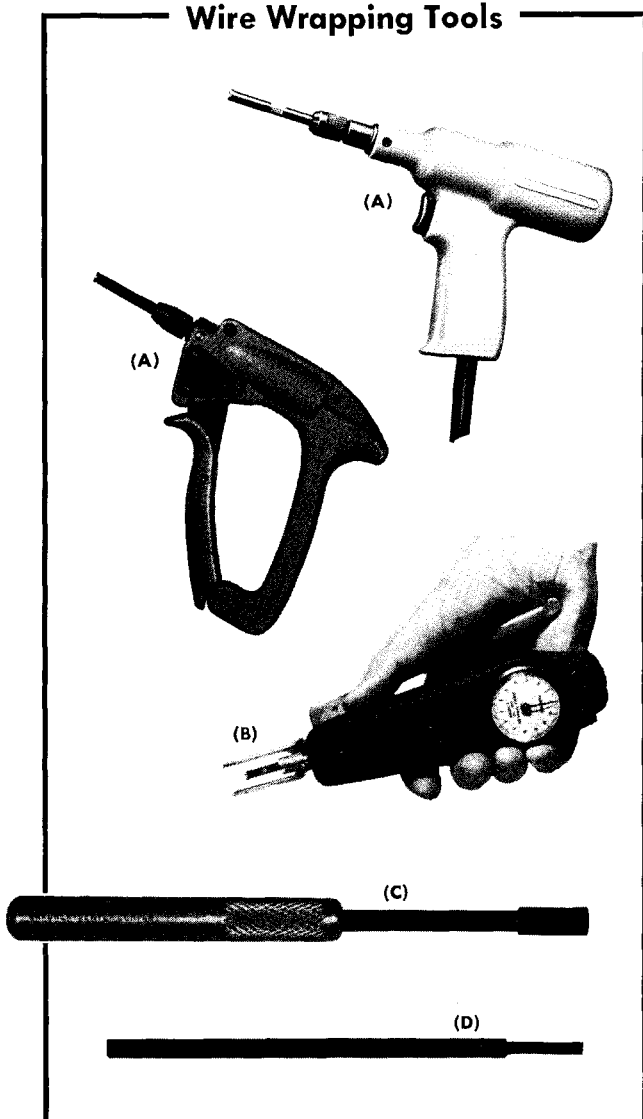
**S-575212** With swivel snap, safety chain and spring clip. .... each **6.25**

Prices are subject to change without notice.

**D-23**



# 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
<b>S-588848</b>	22	<b>\$12.86</b>	<b>S-588853</b>	22/24	<b>\$4.52</b>
<b>S-588849</b>	24	<b>12.26</b>	<b>S-588854</b>	24/26	<b>4.52</b>
<b>S-580298</b>	26	<b>12.86</b>	<b>S-588854</b>	24/26	<b>4.52</b>
<b>S-580299</b>	28	<b>19.37</b>	<b>587282</b>	28/30	<b>11.71</b>

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**

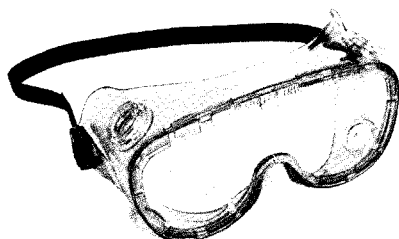
## (C) Hand Wrapping Tools

**588844** For 22-gauge wire. Wt., ⅜ lb.....each **\$17.59**  
**S-588793** For 24-gauge wire. Wt., ⅜ lb.....each **17.38**

## (D) Hand Unwrapping Tool

**S-588859** For 20-26-gauge wire. Wt., ⅜ lb....each **6.19**

## Airflow Goggles



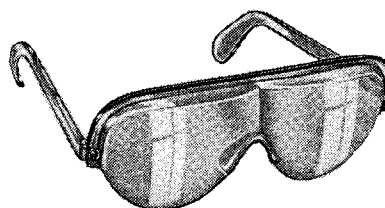
Deep design gives ⅜-inch spacing between lens of Flex and personal glasses—no transmission of impacts.

Adjustable headband.

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

**D-24**

## 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,  $\frac{3}{4}$  lb.

<b>S-574069</b>	Size 9.....	per pair	<b>\$12.80</b>
<b>S-574070</b>	Size 10.....	per pair	<b>12.80</b>
<b>S-574071</b>	Size 11.....	per pair	<b>12.80</b>
<b>S-574072</b>	Size 12.....	per pair	<b>12.80</b>

**(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, 12 $\frac{1}{2}$  inches. Weight,  $\frac{1}{2}$  pound.

<b>S-577119</b>	Size 9.....	per pair	<b>\$5.59</b>
<b>S-577120</b>	Size 10.....	per pair	<b>5.59</b>
<b>S-577121</b>	Size 11.....	per pair	<b>5.59</b>
<b>S-577122</b>	Size 12.....	per pair	<b>5.59</b>

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

<b>S-577123</b>	Size 10. Wt. per doz., 6 lbs.....	per pair	<b>\$4.35</b>
-----------------	-----------------------------------	----------	---------------

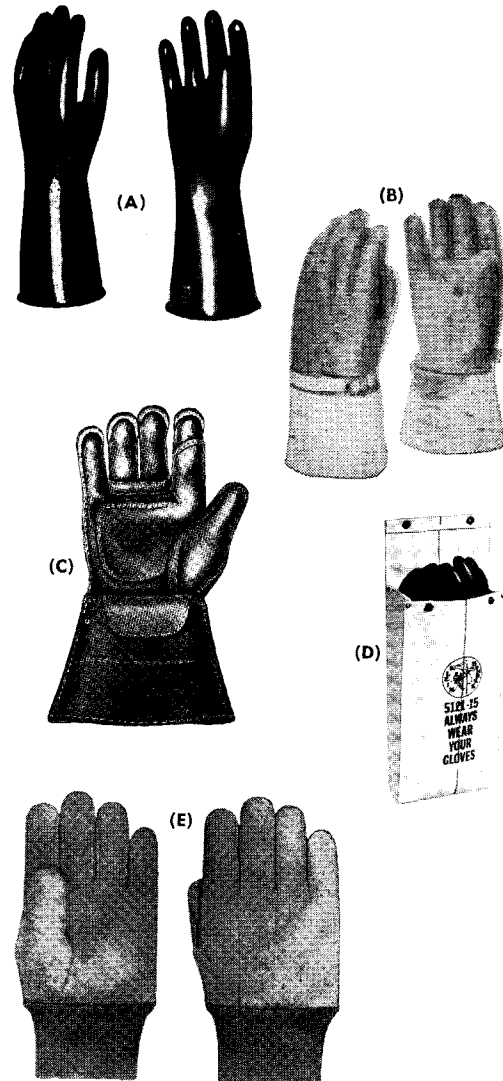
**(D) Canvas Glove Carrier**

Carriers are 8 inches wide, 15 inches long, 2 $\frac{3}{4}$  inches at bottom. Expansion at top is 5 $\frac{1}{2}$  inches. Weight,  $\frac{7}{8}$  lb.

<b>S-570070</b>	.....	each	<b>\$5.83</b>
-----------------	-------	------	---------------

**(E) Wiping Gloves**

<b>S-574082</b>	For right or left hand.....	each	<b>\$6.8</b>
-----------------	-----------------------------	------	--------------

**Oily Waste Cans**

With Foot Lever—UL Approved

<b>S-670825</b>	Capacity, 10 gal. 13 $\frac{1}{2}$ x 15 in. Wt., 14 lbs.....	each	<b>\$19.40</b>
-----------------	---	------	----------------

**Fluorescent Safety Vests**

<b>S-579096</b>	Universal size. Orange vinyl.....	each	<b>\$3.25</b>
-----------------	-----------------------------------	------	---------------

**Disposable Hat Liners**

<b>S-575987</b>	.....	each	<b>\$1.18</b>
-----------------	-------	------	---------------

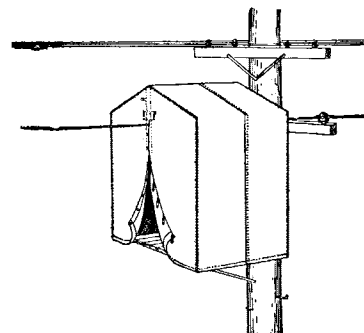
**Safety Hat Holders**

<b>S-575207</b>	Fits over automobile seat top.....	each	<b>\$2.03</b>
-----------------	------------------------------------	------	---------------

**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.

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

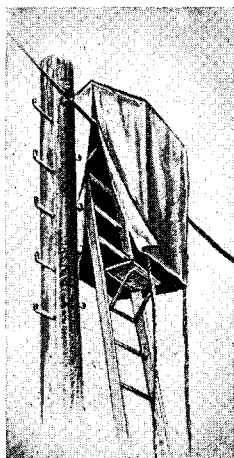
**Cable Splicers' Tents**

Galvanized frame. Laced openings on both sides. 104x54 $\frac{1}{2}$  in.

<b>578680</b>	Depth, 38 in. Wt., 34 lbs.....	each	<b>\$103.75</b>
<b>578681</b>	Depth, 54 in. Wt., 41 lbs.....	each	<b>121.77</b>

Prices are subject to change without notice.

**D-25**



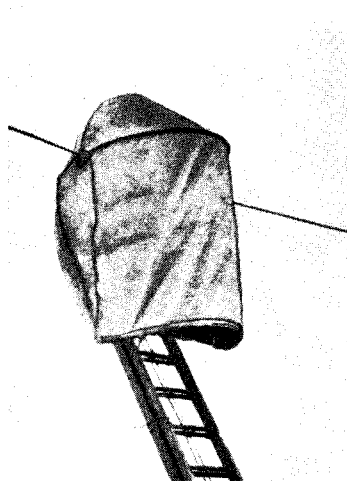
### Aerial Tents

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**



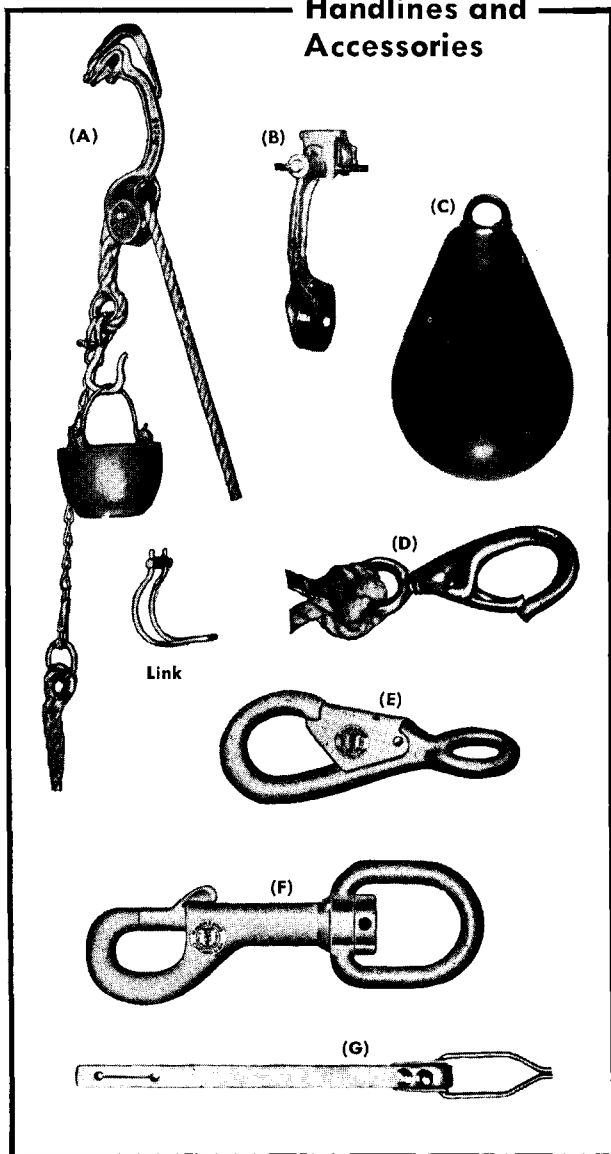
### Ladder Tents

**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**

#### Handline

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
<b>S-578115</b>	3/4	5	5/8	38	<b>\$1.66</b>

#### (E) Hand Line Snap Hook

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

#### (F) Swivel Hand Line Snap

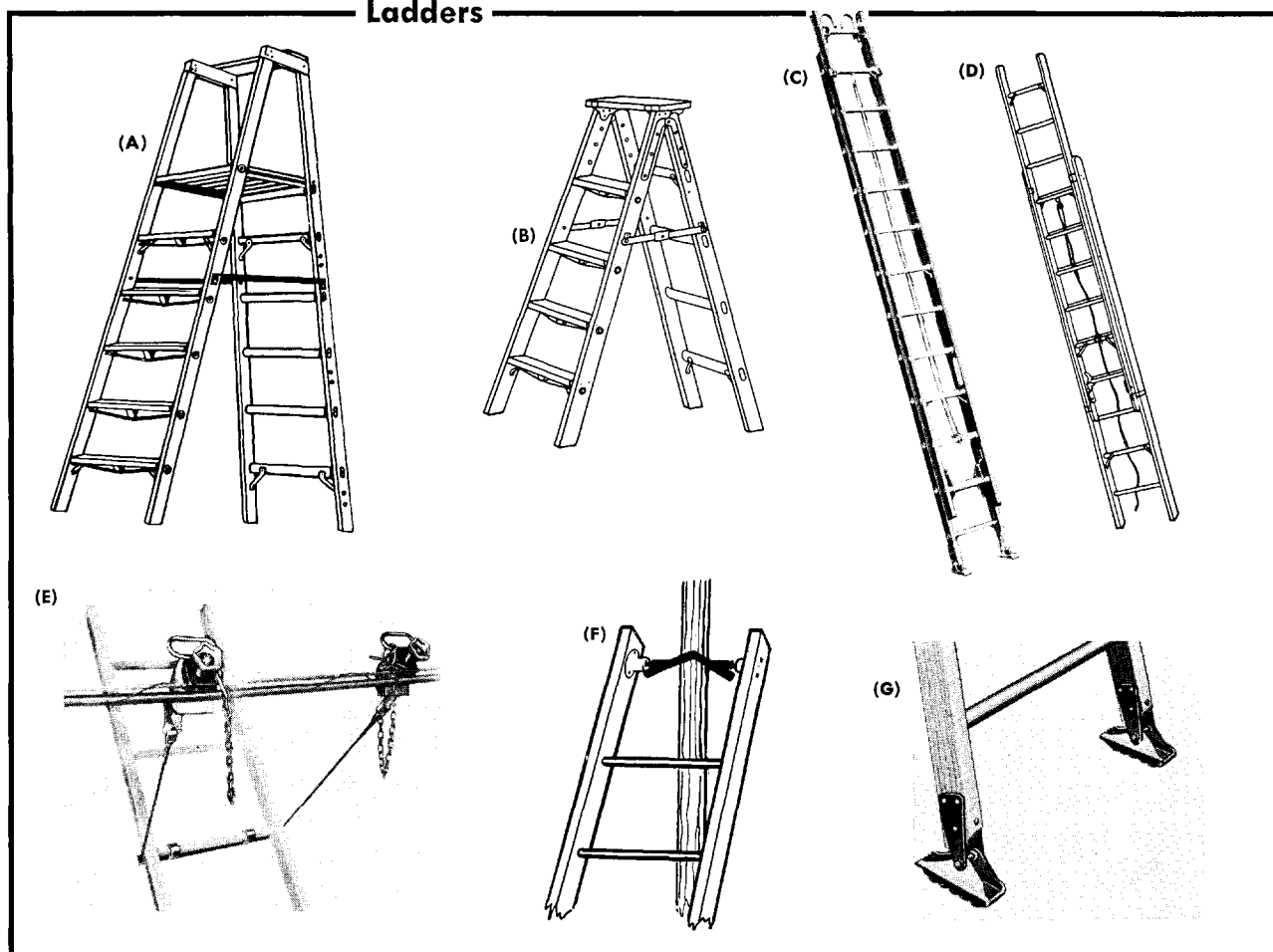
For 1/2-inch or lighter hand lines.

**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 **\$5.66**

**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**

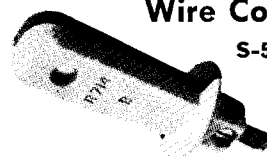
**(G) Duo-safety Ladder Shoes**

**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.

**D-27**

# Three Strand Manila Rope

## Water and Rot Resistant

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

# 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
<b>S-575240</b>	5 1/2	3 1/4	1500	4	<b>\$1.70</b>
<b>S-575241</b>	6 1/2	3 1/4	1500	4 1/2	<b>2.22</b>

# Self-Locking Block Tackles

<b>S-578490</b>	Block Tackle. With 25-ft., 3/8 in., 4 strand rope. Weight, 3 lbs.....	each	<b>\$10.40</b>
<b>S-578491</b>	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	<b>10.94</b>
<b>S-577451</b>	Replacement Manila Rope. Weight, 1 lb. ....	each	<b>2.50</b>

# Iron Tackle Blocks

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

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



# 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.

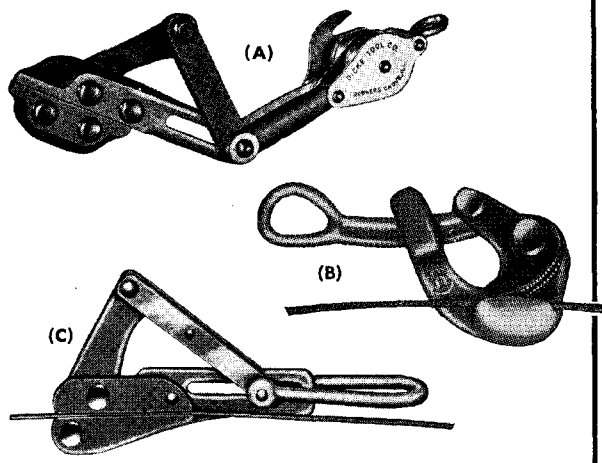
**For Wire Ropes.** Graphite bronze bushing shells prevent rope from jamming. Rope guard keeps wire in sheave sleeve. 8-inch pulley. Weight, 32 pounds.

<b>S-571166</b>	For manila ropes.....	each	<b>\$31.47</b>
<b>S-571168</b>	For wire ropes.....	each	<b>45.06</b>

**D-28**

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
<b>S-574317</b>	.080 to .250	1500	2 1/4	<b>\$6.65</b>

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

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

## Grip for Insulated Wire

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

## (B) Steel Grips for General Work

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

## (C) Chicago Grips for Bare Wire

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

## Chicago Grips for Cable and Strand— for heavy loads

Ordering No.	Opening Inches	Safe Load Lbs.	Wt. Lbs.	Price Each
<b>S-574281</b>	1/2 to 3/4	8000	6	<b>\$15.50</b>
<b>S-574285</b>	3/16 to .69	15000	15 1/8	<b>38.51</b>

## Chicago Grip for Weatherproof Wire

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

## Chicago Grip for Figure 8 Telephone Cable

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

## Strand Grip

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



## 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
<b>S-572689</b>	$\frac{1}{8}$	$\frac{1}{4} \times 2\frac{1}{4}$	$2\frac{1}{4}$	<b>\$17.85</b>

## Figures

<b>S-572693</b>	$\frac{1}{8}$	$\frac{1}{4} \times 2\frac{1}{4}$	$\frac{3}{4}$	<b>\$5.95</b>
-----------------	---------------	-----------------------------------	---------------	---------------

## Flat Tarpaulins

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

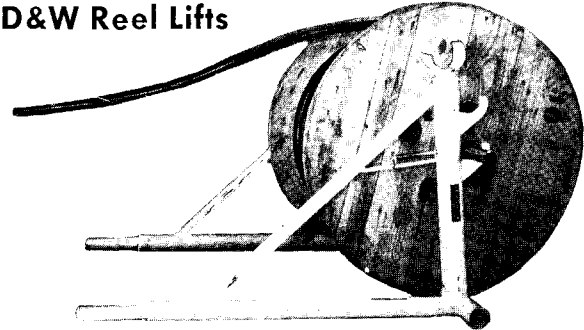
Other sizes available on special order.

**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**

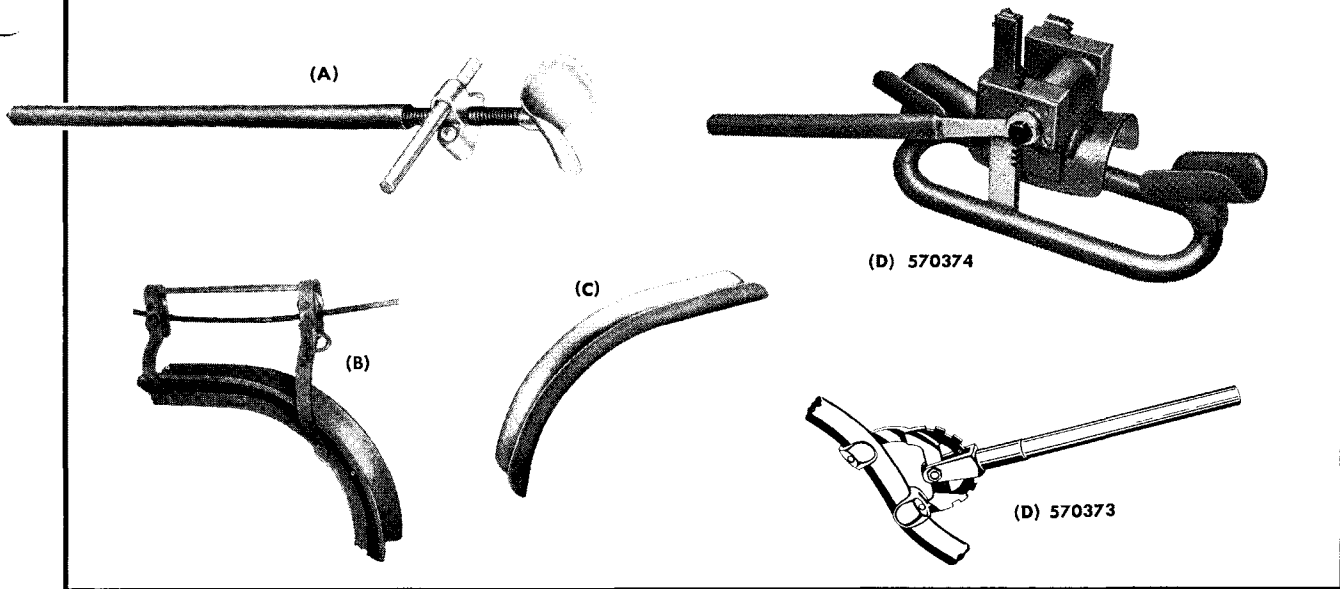
## D&amp;W Reel Lifts



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**

## 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.  $\frac{7}{32}$ -in. hole on each  
end. Wt., 1 lb.....each **\$2.97**

## (D) Cable Benders

For up to 3-inch cable.

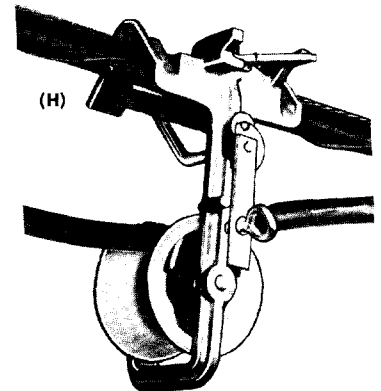
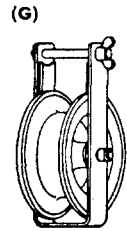
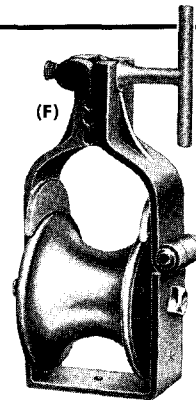
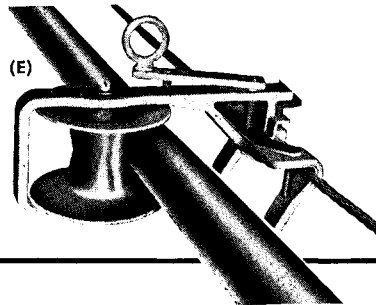
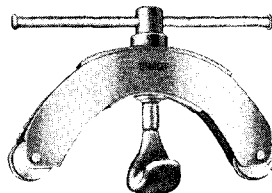
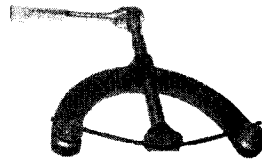
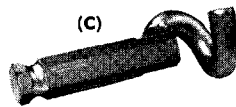
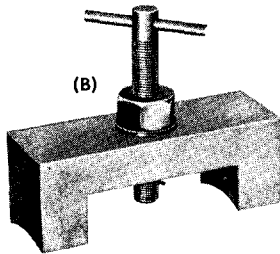
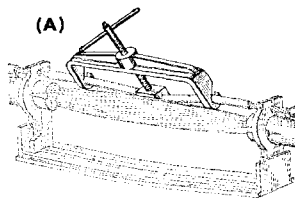
**570373** Length, 36 in. Wt., 15 lbs.....each **\$84.75**

**570374** Wt., 13 lbs.....each **65.34**

Prices are subject to change without notice.

**D-29**

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., 1/2 lb. each **\$4.95**

(C) Type J Drive Hook Puller

5/8" hex shank. Used with impact wrench.  
**577184** each **\$7.85**

(D) Slack Pullers

**S-577188** With slide handle. Wt., 16 1/2 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 2 3/4-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., 3 3/4 lbs. each **\$20.30**

(G) Type E Cable Block

**571106** Type E Cable Block. Sheave for all frames. Weight, 8 1/2 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, 3 3/4 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

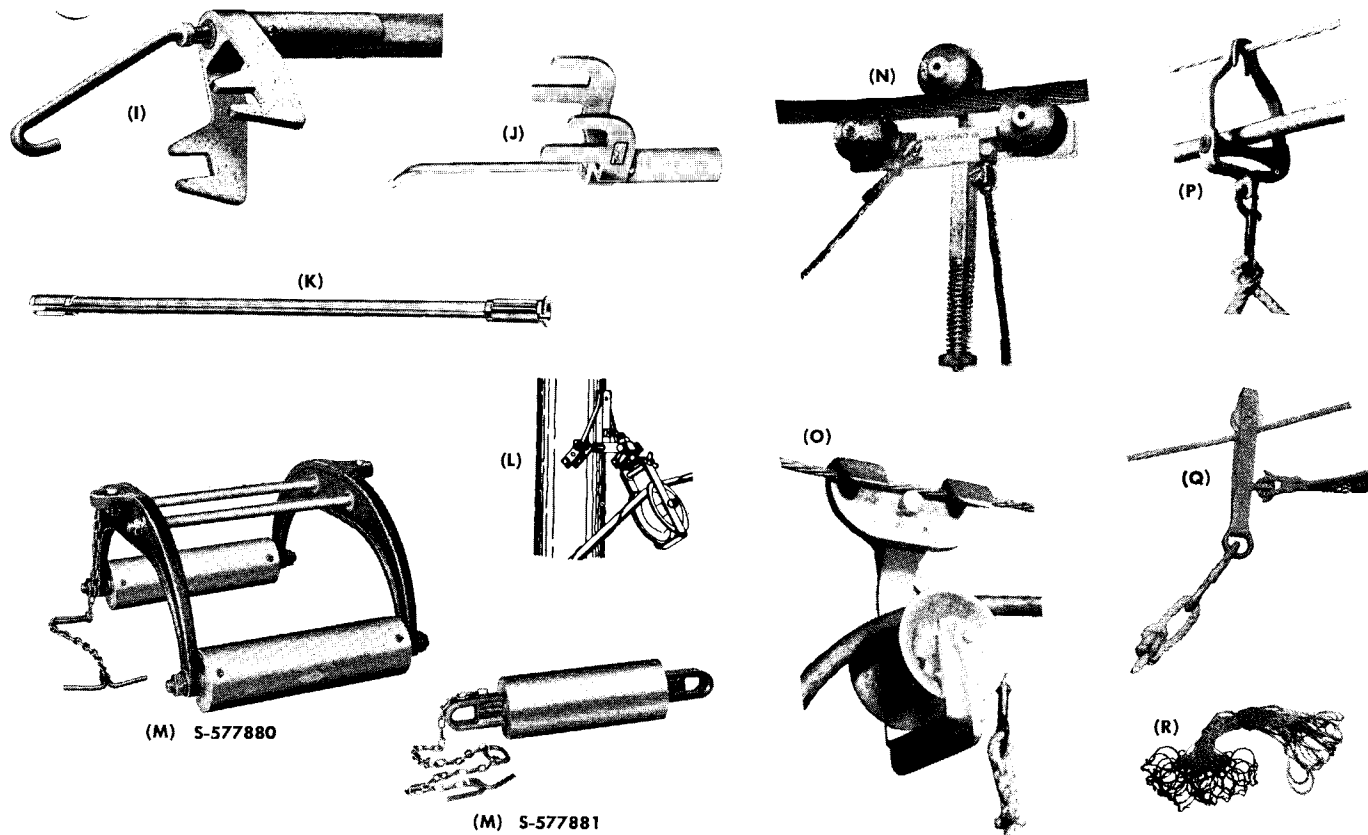
Used with trimmer poles to place S-571104 Cable Blocks on strand.

**S-575965** Two 180-degree hook positions. Wt., 3/4 lb. each **\$9.90**

(J) Type D Cable Block Lifter

**575964** Weight, 3/4 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.

**577195** Weight, 2 lbs.....each **\$133.35**

**(K) Cable Block Pusher**

For pushing D or F cable blocks along  $\frac{1}{4}$ " or  $\frac{1}{2}$ " 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  $\frac{1}{16}$  to  $1\frac{1}{2}$ -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.,  $5\frac{1}{2}$  lbs.....per set **\$29.90**

Prices are subject to change without notice.

**D-31**

## 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**

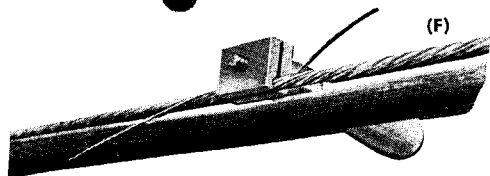
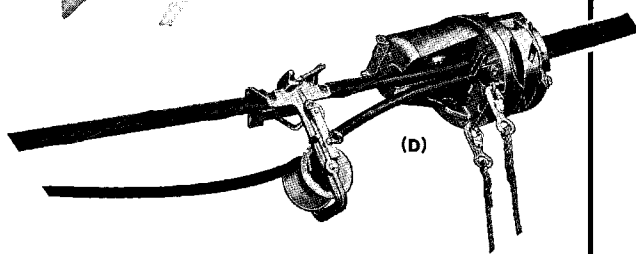
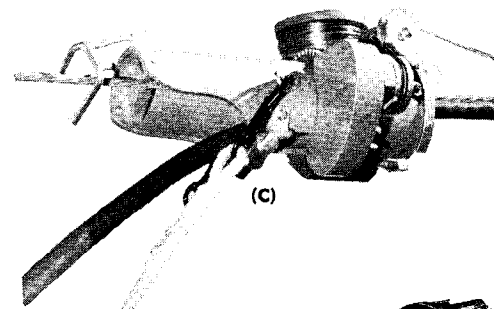
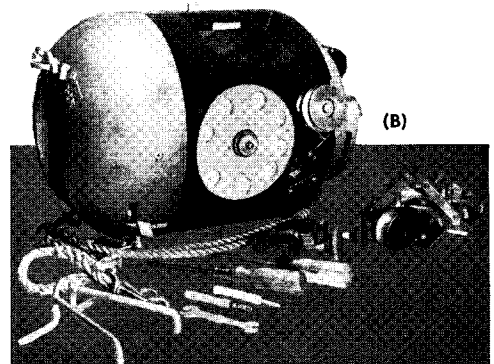
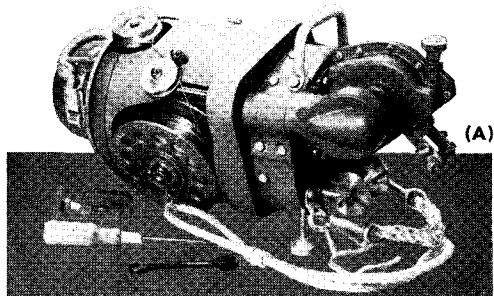
### (E) Lashing Wire Clamp

**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
<b>S-574217</b>	$\frac{1}{2}$ - $\frac{3}{4}$	18	2,800	1	<b>\$5.42</b>
<b>S-574218</b>	$\frac{3}{4}$ -1	24	3,350	1	<b>6.08</b>
<b>S-574219</b>	1- $1\frac{1}{2}$	24	6,300	$1\frac{3}{4}$	<b>6.75</b>
<b>S-574220</b>	$1\frac{1}{2}$ -2	24	8,400	2	<b>7.51</b>
<b>574221</b>	2- $2\frac{1}{2}$	24	12,300	$2\frac{1}{2}$	<b>8.17</b>
<b>574222</b>	$2\frac{1}{2}$ -3	24	15,400	3	<b>8.84</b>

### Flexible Cable Pulling Grips—

single weave, double eye

<b>S-574205</b>	$\frac{3}{4}$ -1	18	3,300	$1\frac{1}{2}$	<b>\$7.51</b>
<b>S-574206</b>	1- $1\frac{1}{2}$	18	6,300	$1\frac{1}{2}$	<b>8.17</b>

### Flexible Cable Pulling Grips—

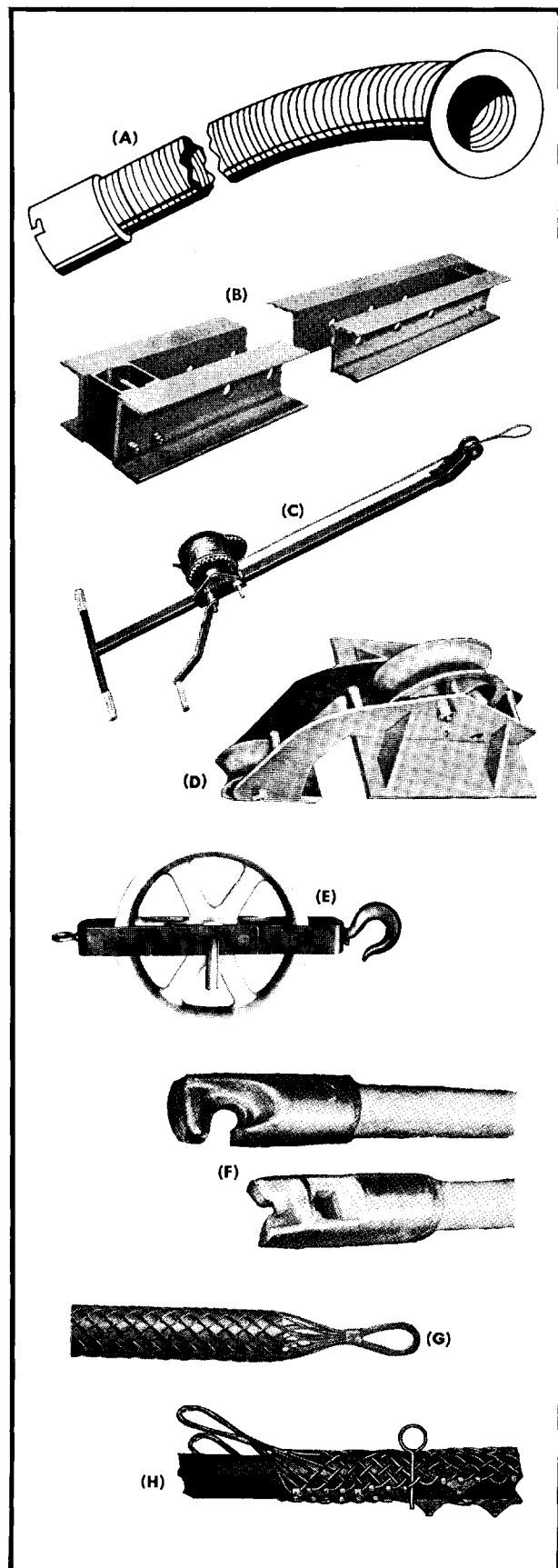
double weave, double eye, luffing

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

### (H) Flexible Cable Pulling Grips—

double weave, double eye, split

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

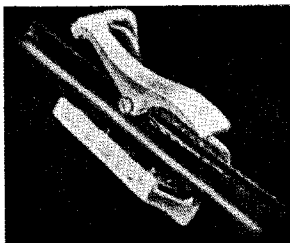


Prices are subject to change without notice.

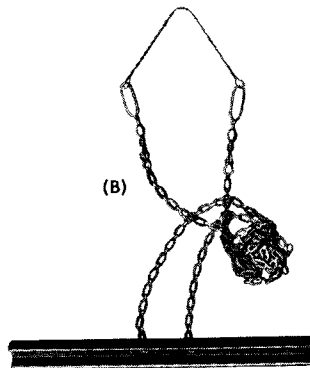


Slitters and Strippers

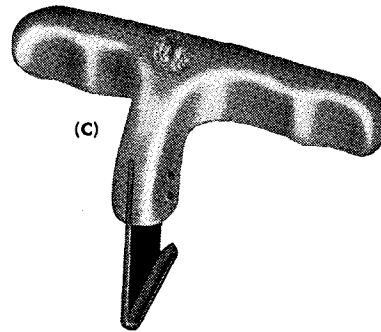
(A)



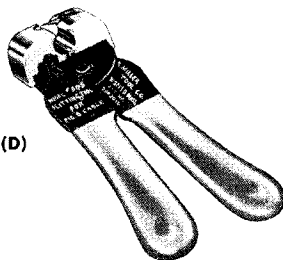
(B)



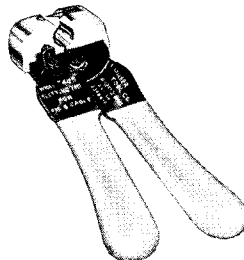
(C)



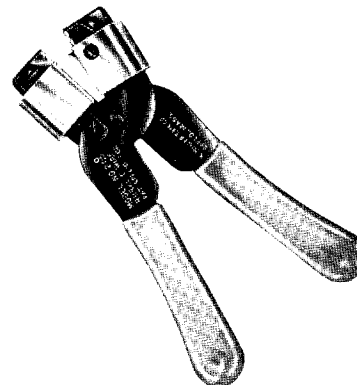
(D)



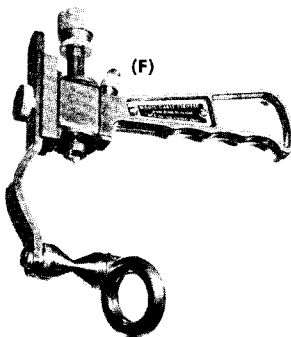
(E) S-578078



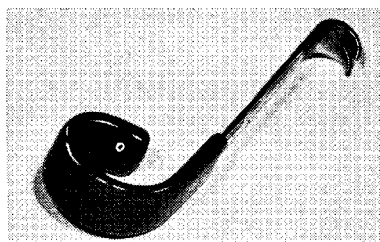
(E) S-578416



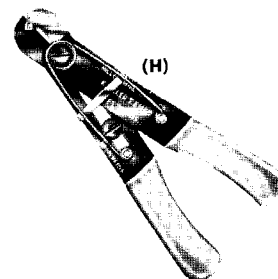
(F)



(G)



(H)



(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 \$.25  
S-570984 Slitting Blade for all the above Tools.  
Wt., 1/8 lb. .... each .19

D-34

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
<b>S-578417</b>	19	19 AWG	Green	10	<b>\$2.50</b>
<b>S-578418</b>	20	20 AWG	Blue	10	<b>2.50</b>
<b>S-578419</b>	22	22 AWG	Red	10	<b>2.50</b>
<b>S-578420</b>	24	24 AWG	Black	10	<b>2.50</b>
<b>S-578421</b>	26	26 AWG	Yellow	10	<b>2.50</b>
<b>*S-578422</b>	22C	22 AWG	.....	10	<b>2.63</b>

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

### (H) Wire Stripper

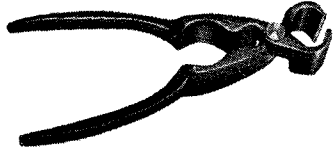
- S-578415** Wire Stripper for up to 8 AWG. .... each **\$1.49**

## Type B Cable Sheath Openers



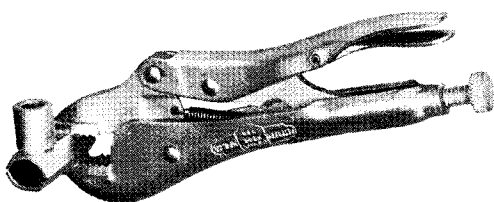
- S-576172** Wt., 6 oz. .... each **\$2.57**

## Type B Cable Pliers



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

## Type C Flange Grips

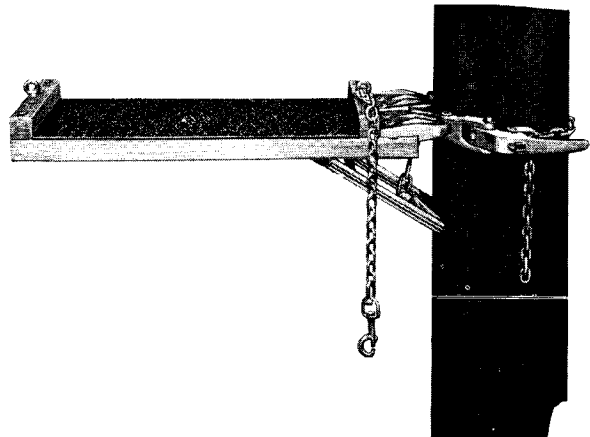


- S-574203** .... each **\$8.59**

## 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



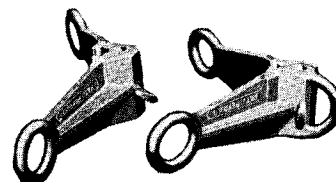
Single



Double

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

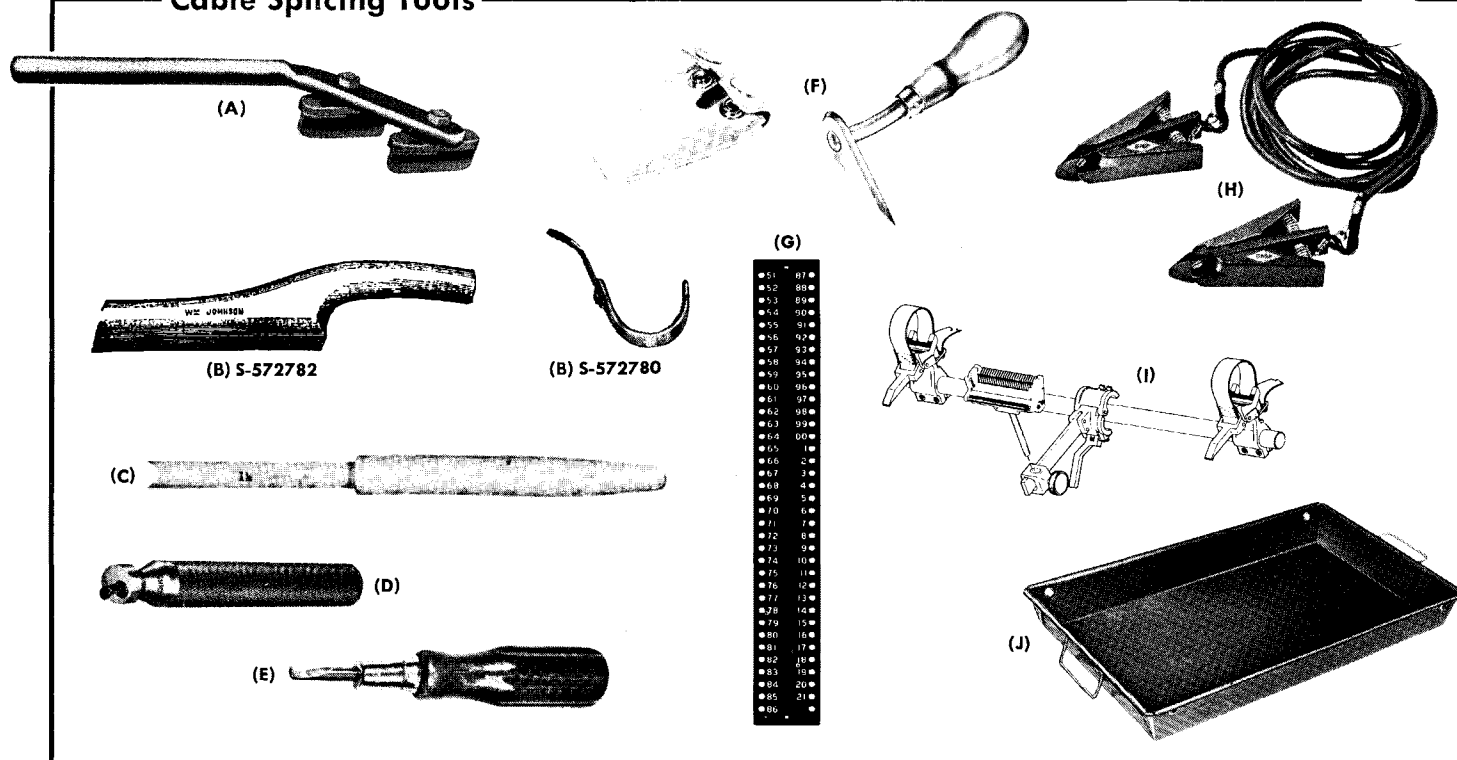
## Platform Clamps



- 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
<b>S-576685</b>	¾	1	<b>\$3.65</b>
<b>S-576686</b>	1	1	<b>3.99</b>
<b>S-576687</b>	1¼	1	<b>4.38</b>
<b>S-576688</b>	1½	1	<b>4.96</b>
<b>S-576689</b>	1¾	2	<b>5.54</b>
<b>S-576690</b>	2	2	<b>6.41</b>
<b>S-576691</b>	2¼	2	<b>7.06</b>
<b>S-576692</b>	2½	2	<b>7.06</b>
<b>S-576693</b>	2¾	3	<b>8.34</b>
<b>S-576694</b>	3	3	<b>10.15</b>
<b>S-576695</b>	3½	4	<b>12.83</b>
<b>S-576696</b>	4	5	<b>13.88</b>
<b>S-576697</b>	4½	6	<b>15.26</b>
<b>S-576698</b>	5	7	<b>17.33</b>
<b>S-576699</b>	5½	8	<b>19.63</b>
<b>S-576700</b>	6	9	<b>22.60</b>
<b>S-576701</b>	6½	10	<b>25.00</b>
<b>S-576702</b>	7	11	<b>27.35</b>

(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**

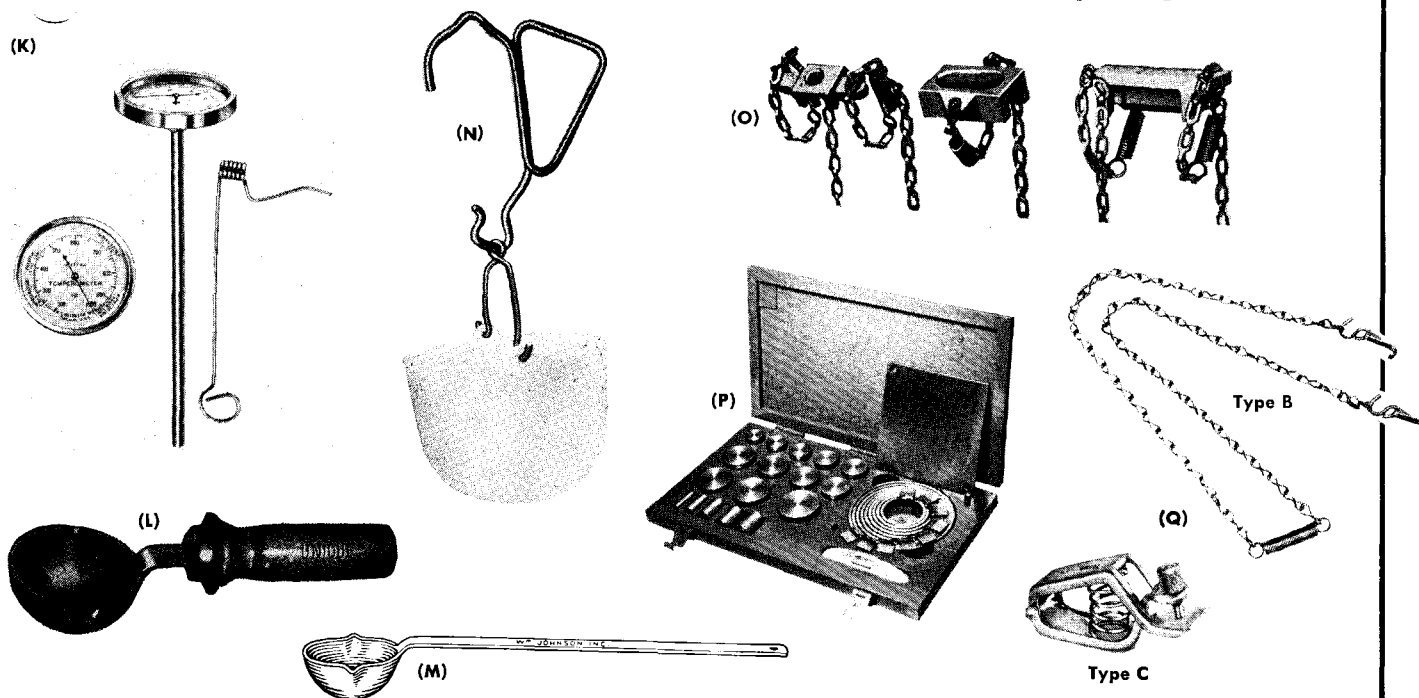
Type D Cable Bond

**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** MS<sup>2</sup> 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, 1/2 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, 1/2 lb.....each **3.40**
- 578472** Support Tube Assembly. Weight, 6 lbs.....each **57.82**
- 578856** Cut-Closed Tool. Weight, 1/2 lb.....each **5.49**

**(J) Lightweight Soldering Pan**

- S-576215** Sheet steel with eyelets for suspension. Weight, 2 1/4 lbs.....each **\$4.46**

**(K) Temperometer**

Stainless steel stem. The 2 1/4-inch diameter direct reading dial is calibrated from 200 to 1000°F.

- S-578725** Overall length, 8 3/4 in. Tube size, 3/32 in. Wt., 1/2 lb.....each **\$13.86**

**(L) Pouring Ladle—**

with air-cooled wood handle

- 575612** 3 1/2 x 1 1/2 in. Capacity, 1/4 pt. Wt., 16 oz.....each **\$4.33**
- S-575613** 4 x 1 3/4 in. Capacity, 3/8 pt. Wt., 18 oz.....each **4.78**

**(M) Metal Pouring Ladle**

- S-575615** Size, 3 in. Lead capacity, 2 1/4 lbs. Wt., 1/2 lb.....each **\$1.58**

**(N) Pot Hook and Handle**

- S-575264** Supports 300 lbs. Wt., 1/2 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 1/2 to 2 7/8-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 1/4 pound.

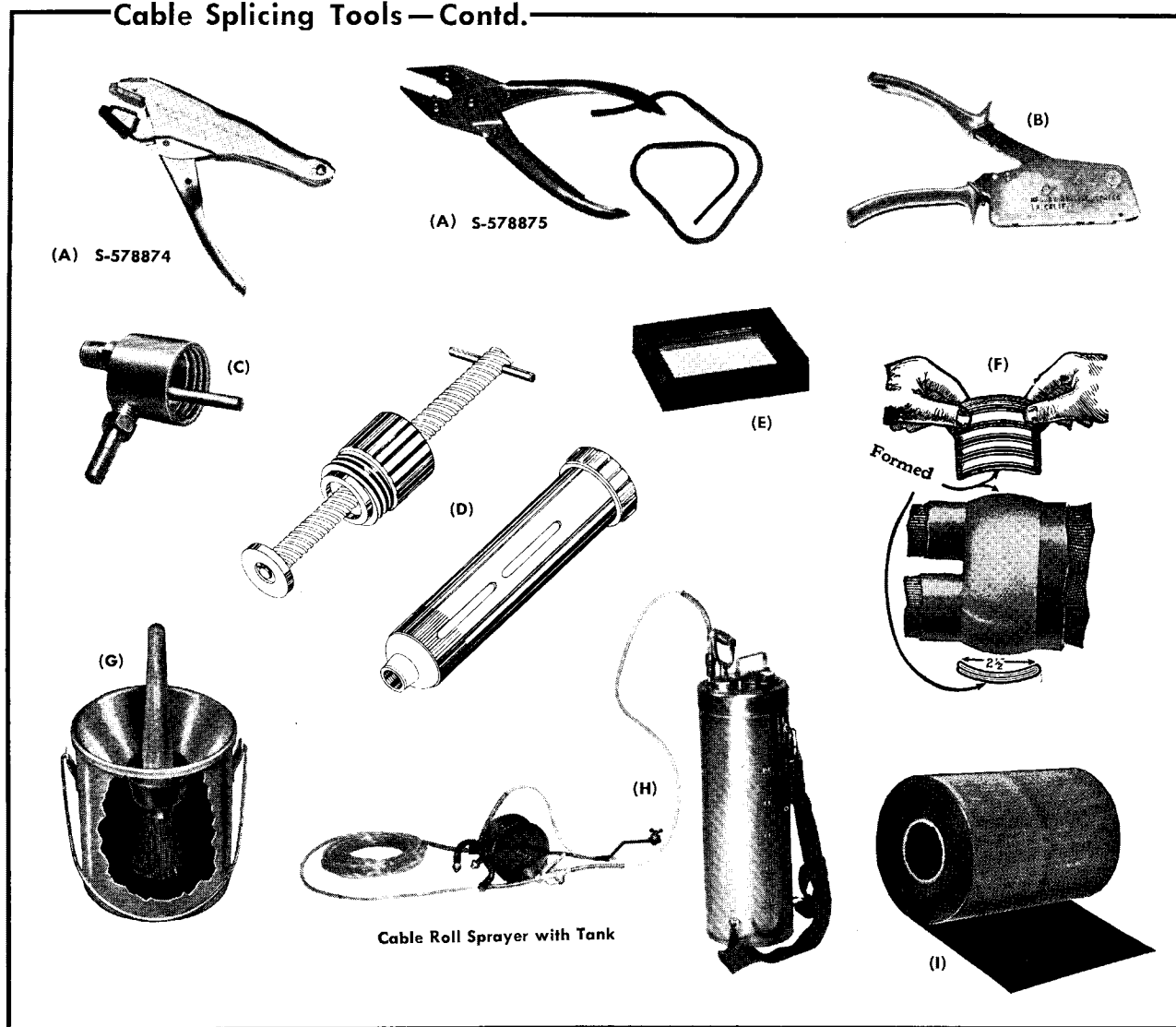
**Type C.** For holding pressure plug in place while soldering to cable sheath. Length, 4 inches; height, 2 inches; width 1 1/8 inches. Weight, 1/2 pound.

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

Prices are subject to change without notice.

D-37

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
<b>S-572005</b>	5x5	25	<b>\$2.00</b>
<b>S-572006</b>	6x6	31¼	<b>2.40</b>
<b>S-572008</b>	7x8	46¾	<b>2.50</b>
<b>S-572009</b>	8x8	53	<b>2.70</b>
<b>S-572010</b>	8x10	69	<b>3.00</b>
<b>S-572012</b>	10x12	98	<b>3.30</b>

Flat Wiping Cloths

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

D-38

Prices are subject to change without notice.



## Cable Splicing Tools — Contd.

### (F) Formed Wiping Cloths

<b>S-572032</b>	2x2	6 $\frac{1}{4}$	<b>\$1.10</b>
<b>S-572033</b>	2 $\frac{1}{2}$ x2 $\frac{1}{2}$	9 $\frac{1}{4}$	<b>1.20</b>
<b>S-572034</b>	3x3	12 $\frac{1}{2}$	<b>1.25</b>
<b>S-572035</b>	3 $\frac{1}{2}$ x3 $\frac{1}{2}$	18 $\frac{3}{4}$	<b>1.30</b>
<b>S-572036</b>	4x4	21 $\frac{3}{4}$	<b>1.45</b>

### (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 4 $\frac{1}{2}$ -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

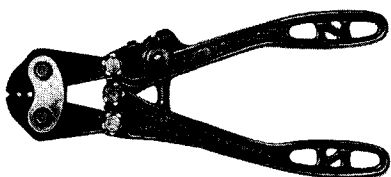


**S-578930**

**S-578931** For splicing drop, bridge and inside wires. Two grooves, A and B. Length, 8 in. Wt.,  $\frac{1}{2}$  lb.....each **\$5.45**

**S-578930** For insulated splicing sleeves 19, 22 and 24 AWG gauge rural, suburban and urban distribution wire. Length, 8 $\frac{1}{4}$  in. Wt.,  $\frac{1}{2}$  lb.....each **4.92**

## Heavy-Duty Splicing Tools



**S-578932**

**S-578932** DC grooves. Length, 11 in. Wt., 2 $\frac{1}{2}$  lbs.....each **\$14.81**

**S-578933** DJ grooves. Length, 11 in. Wt., 2 $\frac{1}{2}$  lbs.....each **14.81**

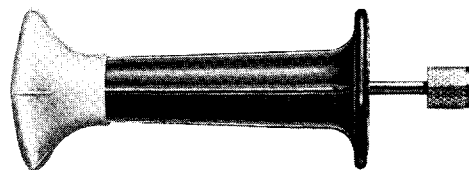
**S-578934** CJ grooves. Length, 11 in. Wt., 2 $\frac{1}{2}$  lbs.....each **14.81**

## 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



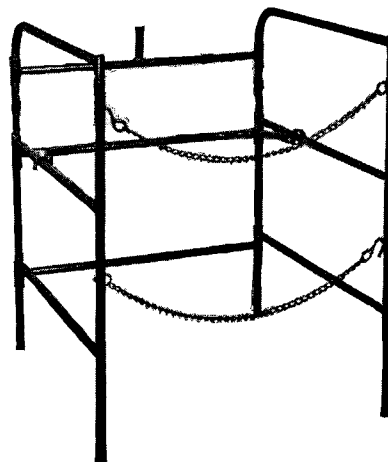
Lightweight. Drives hard steel drivepins directly into concrete, masonry, brick or steel. No cartridges, air or electric power needed. Base pad included.

**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  $\frac{5}{8}$ -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



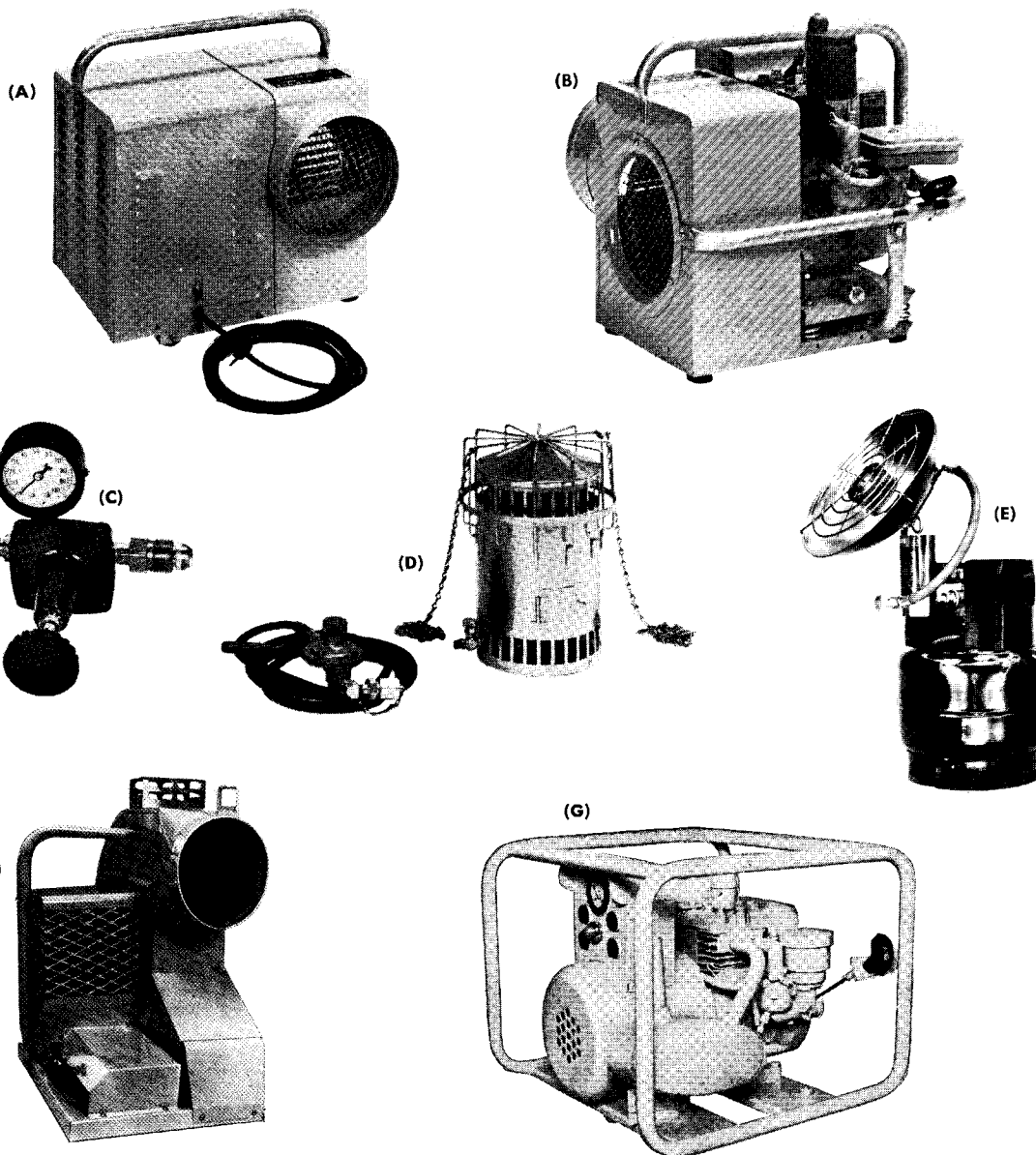
Lifter is heavy wall 1 $\frac{1}{4}$ " aluminum tubing, with 22" heavy duty welded chain and special hook that fits all types of manhole covers. "S" hook permits adjusting length of chain. Heavy-duty hose sections on foot help prevent slippage. Overall length, approximately 30". Wt. 4 $\frac{1}{2}$  lbs.

**S-575963** .....each **\$25.85**

Prices are subject to change without notice.

**D-39**

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.

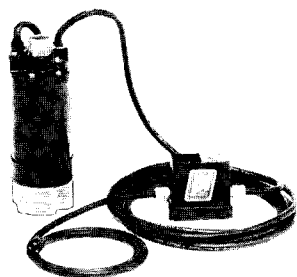
Fuel: Propane. ¾-gallon tank.

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

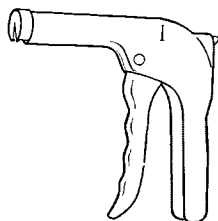


Rated 120 gallons per minute. ¾ HP 115V AC motor. With 20 feet of pump cable, watertight switch and 6 feet of power cable. Exhaust port is threaded to accept 1½-in. fire hose.

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

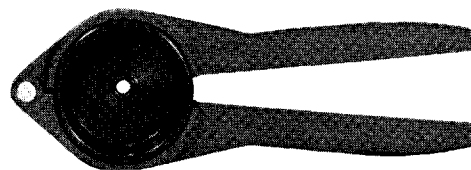
**575331** Fire Hose. Single jacket, rubber lines.  
1½ in.x25 ft.....each **20.62**

## Gun Type Hollow Wall Anchor Installers



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

## Handset Cap Tools



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

## Electric Outlet Adapters

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

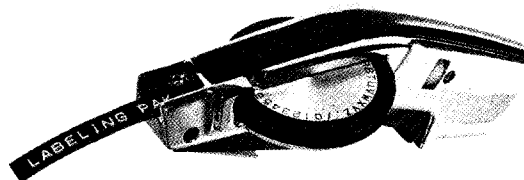
## Power Cords

**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 ⅜"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.

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

## Aluminum Tape

Pressure-sensitive. Ten rolls per box. ½ in.x12 ft.

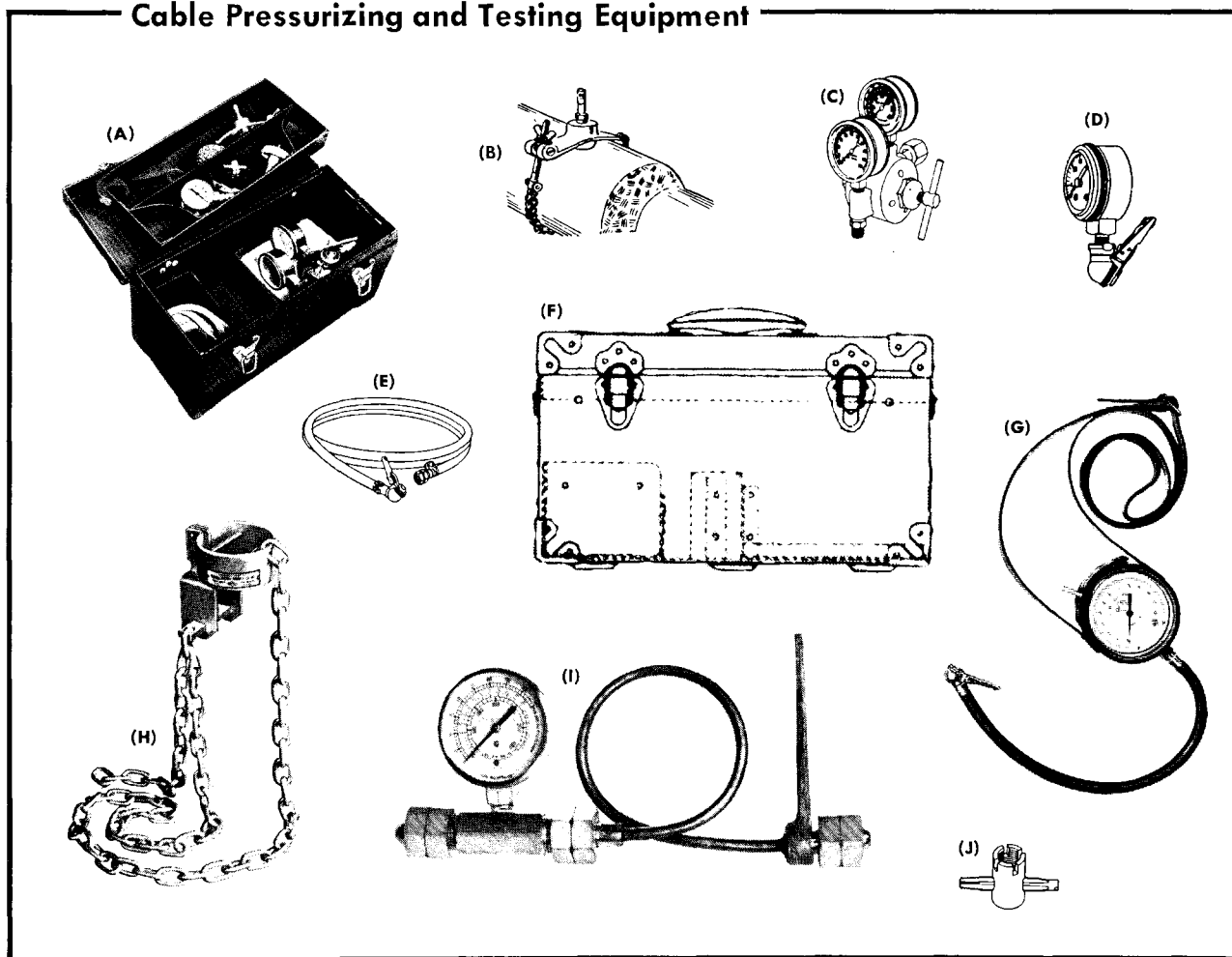
Weight per box, 13 ounces.

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

Prices are subject to change without notice.

**D-41**

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., ½ lb. **S-571875** .....each **\$5.69**

**(C) Pressure Testing Regulator**

Two pressure reducing valves, adjusting screw, high and low pressure gauges. Weight, 6¼ 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., ¾ 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. ⅞-in. o.d.; ⅜-in. i.d. ....each **\$6.44**  
**S-575343** 30 ft. long. ⅞-in. o.d.; ⅜-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., 3½ 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**

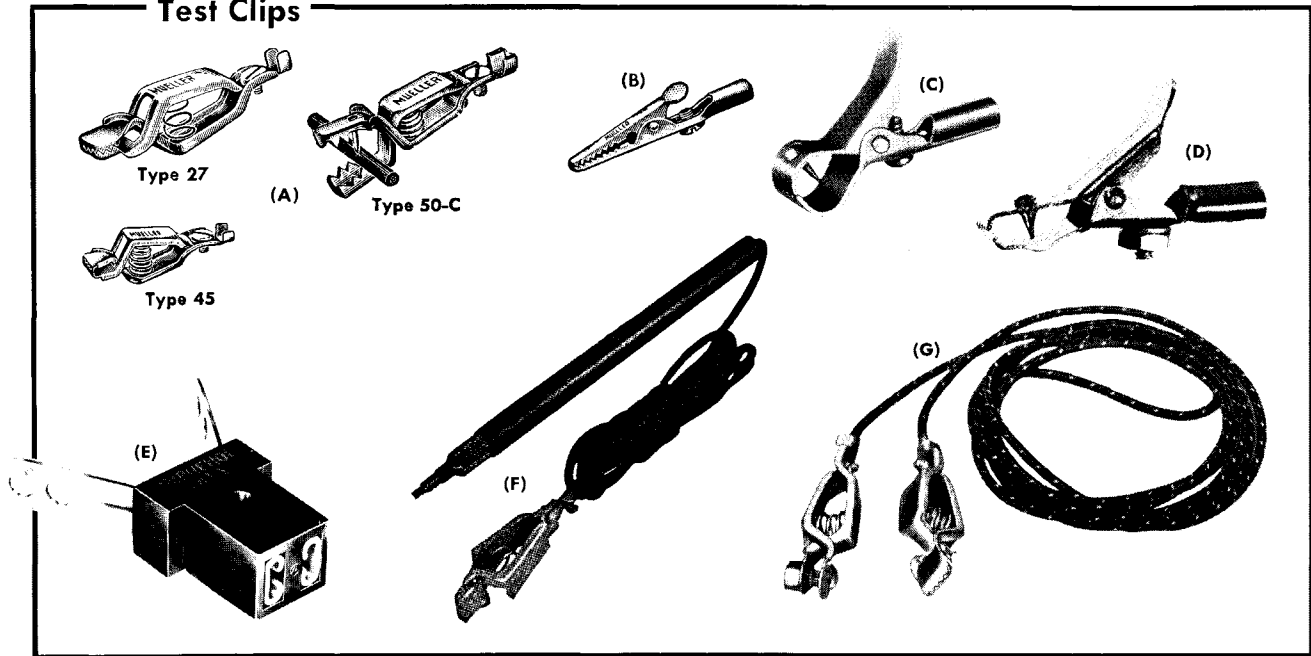
**(I) Cylinder Charging Connector**

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 **\$.99**



**Test Clips**

**(A) Test Clips**

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

**Vinyl Insulators for Test Clips**

<b>S-575415</b>	For Type 45 Clip.....	per 100	<b>\$4.90</b>
<b>S-575416</b>	For Type 50-C Clip.....	per 100	<b>9.11</b>

**(B) Alligator Test Clips**

<b>S-571983</b>	Without sleeves.....	per 100	<b>\$8.04</b>
<b>S-571984</b>	With red and black sleeves on end.....	per 100	<b>10.91</b>

**(C) Test Clip**

<b>S-571987</b>	With screw, nut, washer and spike.....	per 100	<b>\$38.40</b>
-----------------	--	---------	----------------

**(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.

<b>S-571989</b>	Nut and bolt connection. Jaws open $\frac{3}{8}$ in. Wt. per 100, 2 $\frac{1}{2}$ lbs.....	each	<b>\$1.19</b>
-----------------	--	------	---------------

**(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.

<b>S-572424</b>	Weight, 1 oz.....	per 100	<b>\$46.25</b>
-----------------	-------------------	---------	----------------

**(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.

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

**(G) Cable Transfer Clips**

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

**Dialing Pencils**


<b>S-689202</b>	Automatic Dialing Pencil. Wt. per doz., $\frac{1}{2}$ lb.....	each	<b>\$60</b>
-----------------	---	------	-------------

**Switchboard Cleaners and Blowers**


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

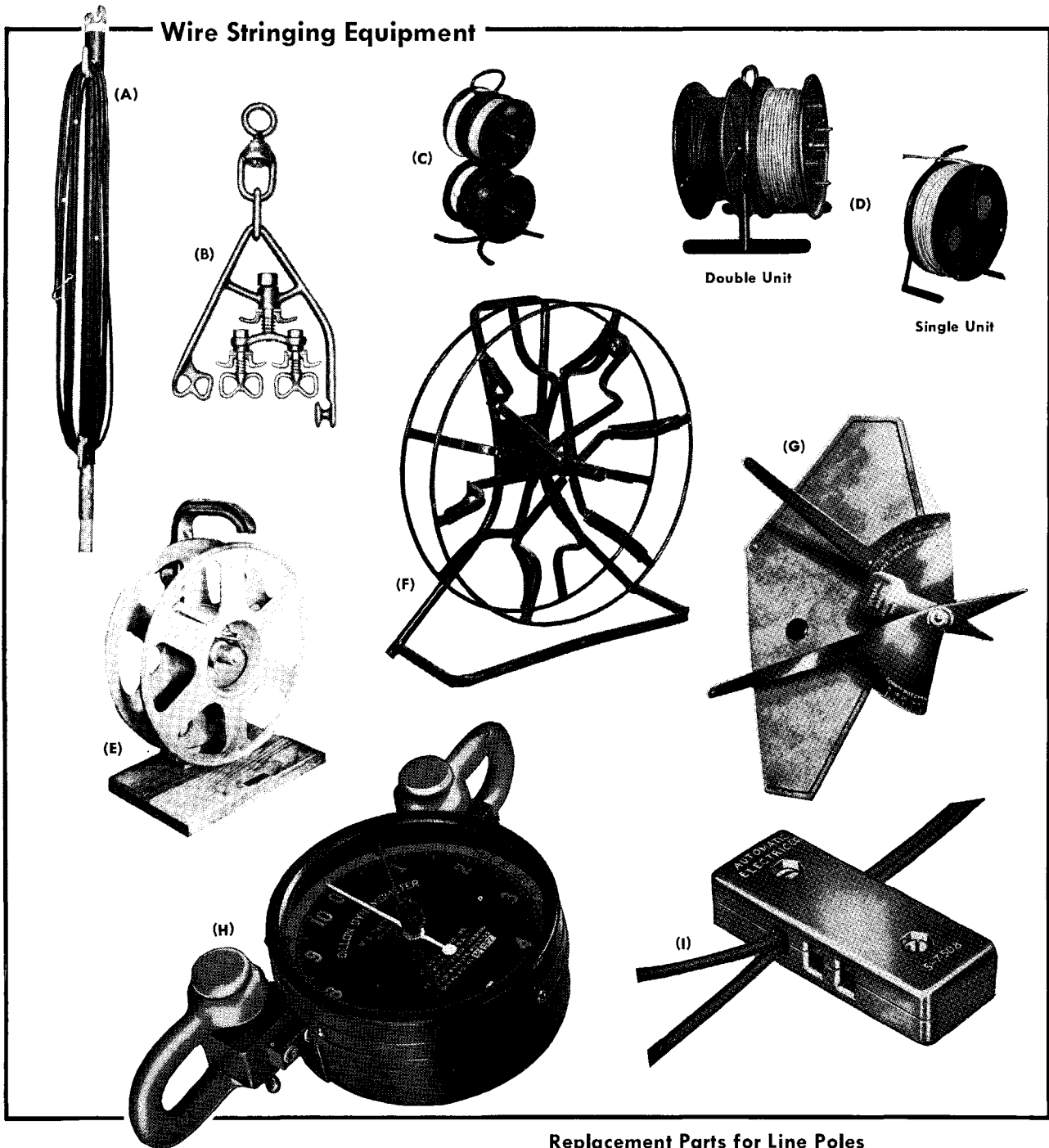
Motor is 110-volt, 60-cycle A.C.  $\frac{1}{2}$  hp.

<b>S-630900</b>	Wt., 16 lbs.....	each	<b>\$112.25</b>
-----------------	------------------	------	-----------------

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**

**D-44**

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 ⅝x¼ inch. Wt. per 100, ½ lb. .... each **.15**

Prices are subject to change without notice.

## Wire Stringing Equipment—Contd.

### Replacement Parts for Line Poles—Contd.

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

### (B) Transposition Running Board

<b>571310</b>	For placing six wires at one time. Wt., 7 lbs. each	<b>\$39.60</b>
---------------	---	----------------

### (C) Portable Jumper Wire Dispensing Reel

Compact reel for 22-Ga. single-conductor jumper wire. 23 in. high  $\times$  11  $\times$  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.

<b>S-586610</b>	Wt., 20 lbs. each	<b>\$37.73</b>
-----------------	-------------------	----------------

### (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.

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

### (E) Terminal Wire Reel

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

<b>S-586608</b>	16-in. O.D. Reel. Weight, 18 lbs. each	<b>\$42.57</b>
-----------------	--	----------------

### (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.

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

### (G) Bisector

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

<b>S-573871</b>	With case. Wt., $\frac{1}{2}$ lb. each	<b>\$9.41</b>
-----------------	--	---------------

### (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.

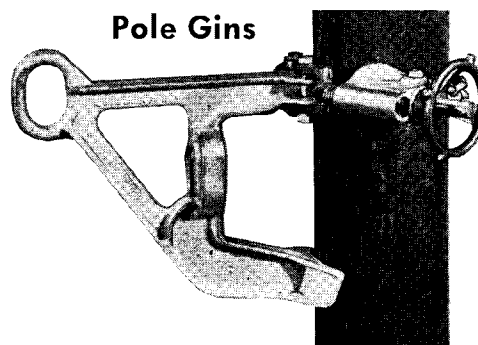
Ordering No.	Capacity Pounds	POUND DIVISIONS	EACH
<b>S-631580</b>	0-10,000	100	<b>\$218.90</b>

### (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.

<b>S-578077</b>	each	<b>\$1.84</b>
-----------------	------	---------------



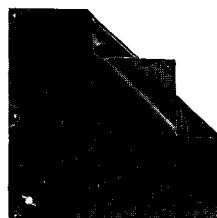
**Pole Gins**

<b>574042</b>	1200-lb. capacity. Wt., $11\frac{1}{2}$ lbs. each	<b>\$63.04</b>
---------------	---	----------------

**Wrap-Around Pole Guards**



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



**Rubber Blankets**

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

<b>S-571030</b>	each	<b>\$18.70</b>
-----------------	------	----------------

**Rubber Blanket Canisters**

<b>S-571600</b>	each	<b>\$13.10</b>
-----------------	------	----------------

**Rubber Blanket Clamp Pins**

<b>S-576256</b>	each	<b>\$9.90</b>
-----------------	------	---------------

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; 5/32-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
----------	--------	---	-----	------	-------	---------

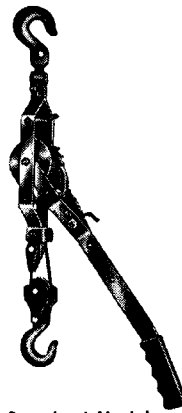
### Measuring Wheels

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

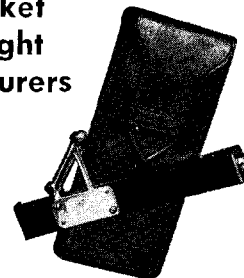
S-633017	56 1/2	1000	40	9 1/2	58.34
----------	--------	------	----	-------	-------

### 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
----------	-------------	------	---------

### Telescopic Fiberglass Measuring Poles

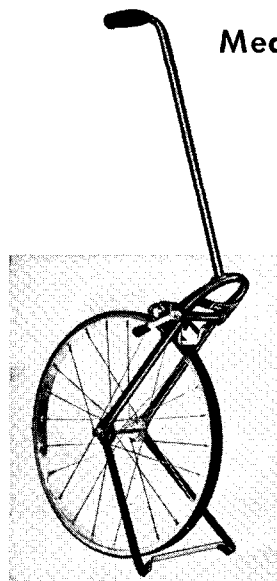
576869	25-ft. length. Calibrated in feet and inches. Friction lock.	each	\$66.50
--------	--	------	---------

### Bank Cleaning Equipment

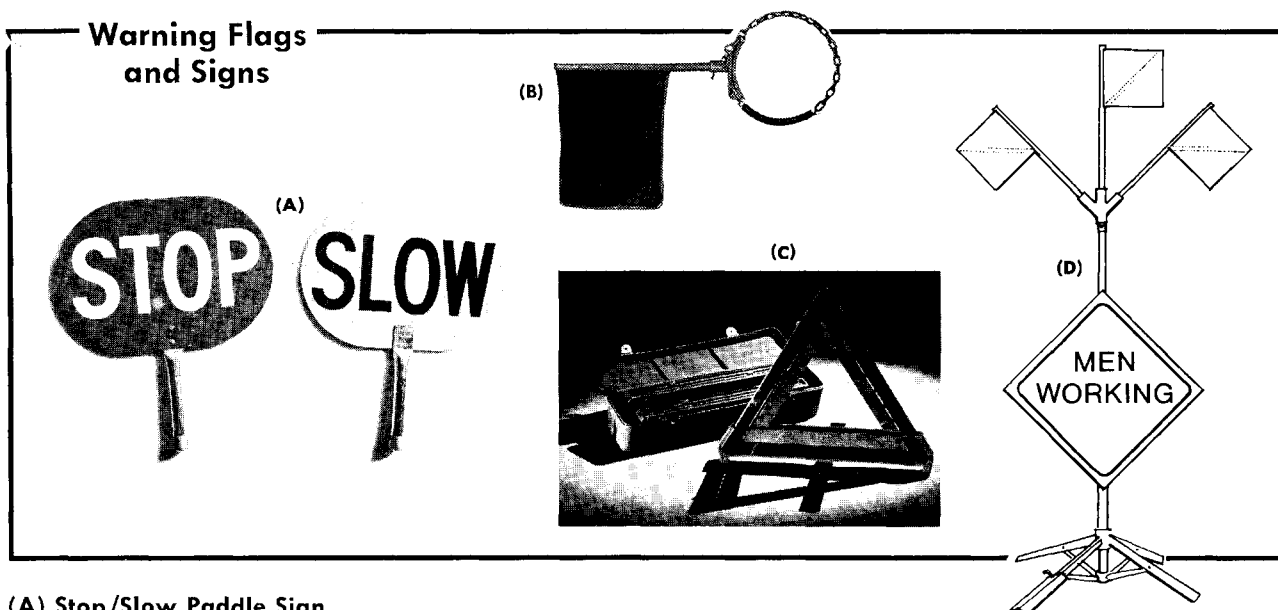
**Caution:** Solutions used in cleaning switch bank contacts are flammable. Insure proper room ventilation.

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.



## Warning Flags and Signs



### (A) Stop/Slow Paddle Sign

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

### Danger Flags

**S-573902** 12x14 in., 3-oz. muslin. Tapered staff,  $\frac{7}{8}$ x18 in. Wt.,  $\frac{1}{4}$  lb.....each **\$1.10**  
**573904** Similar type flag with 30-in. staff for use with S-570196 flag base. Wt.,  $\frac{1}{2}$  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.,  $\frac{1}{2}$  lb.....each **\$1.25**  
**S-575204** Flag and Chain Holder. Wt., 2 $\frac{1}{2}$  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

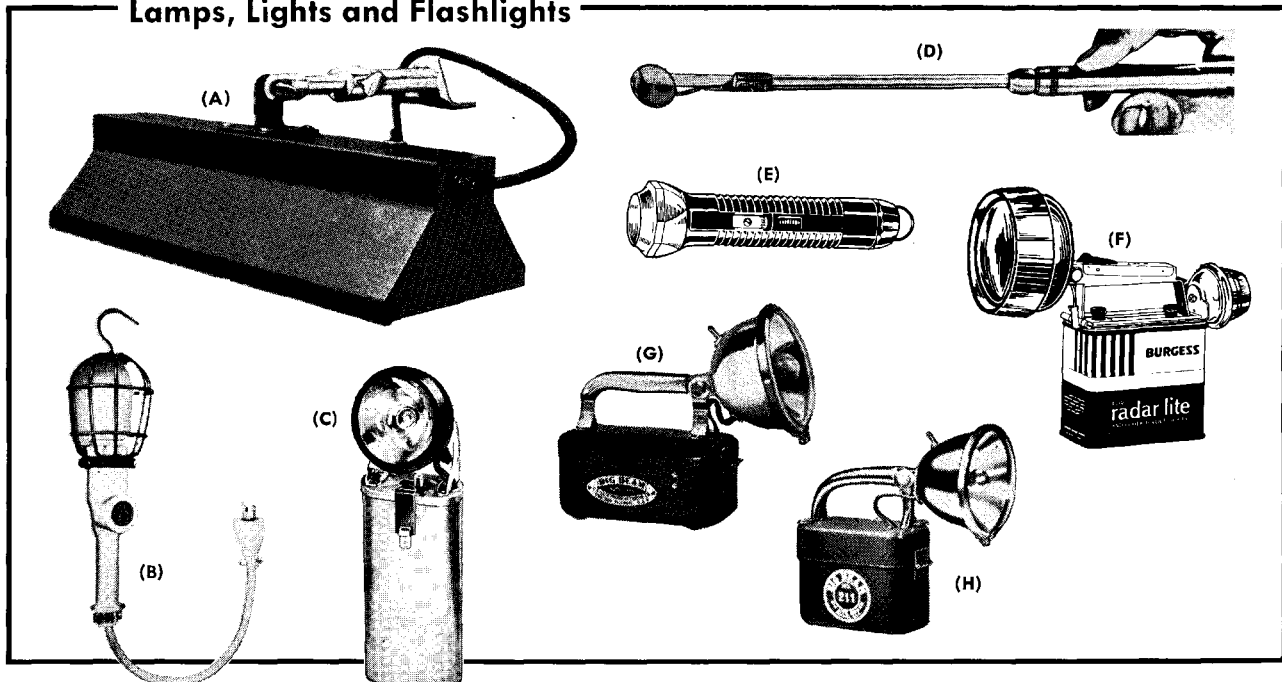
**S-578217** Warning Sign Stand. Folding 4-legged telescoping standard holds warning signs. With universal yoke for high flags or lights.....each **61.75**  
**S-575872** Standard Extension Leg, for use with above stand. Serves as leveling device and adds weight for stability in winds.....each **9.29**  
**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 $\frac{1}{2}$  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.

**D-47**



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 13/32 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**

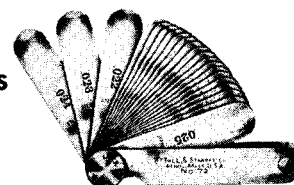
**S-570208** Ignition, Emergency Lighting. NEDA 902. 6V. . . . . each **4.58**

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 13/32 x 4 1/2 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**