

# Foreword

General Machine Products Company has specialized in the manufacture of telephone and communications equipment since 1918.

The results of these many years of specialization in parts and assemblies of all description are proving a great saving to industry throughout the nation. In addition, many of the new developments in radar and remote controls for aircraft and submerged torpedos were manufactured by us for the United States Army and Navy.

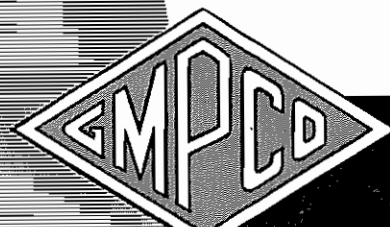
We invite attention to a few of our products shown in this catalog, and offer our engineering facilities and experience to those seeking competent and reliable assistance in similar manufacturing problems.

Precision  
products in  
production

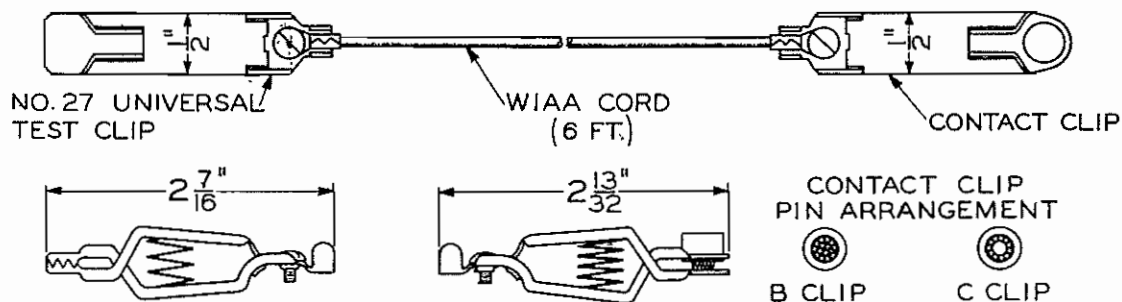
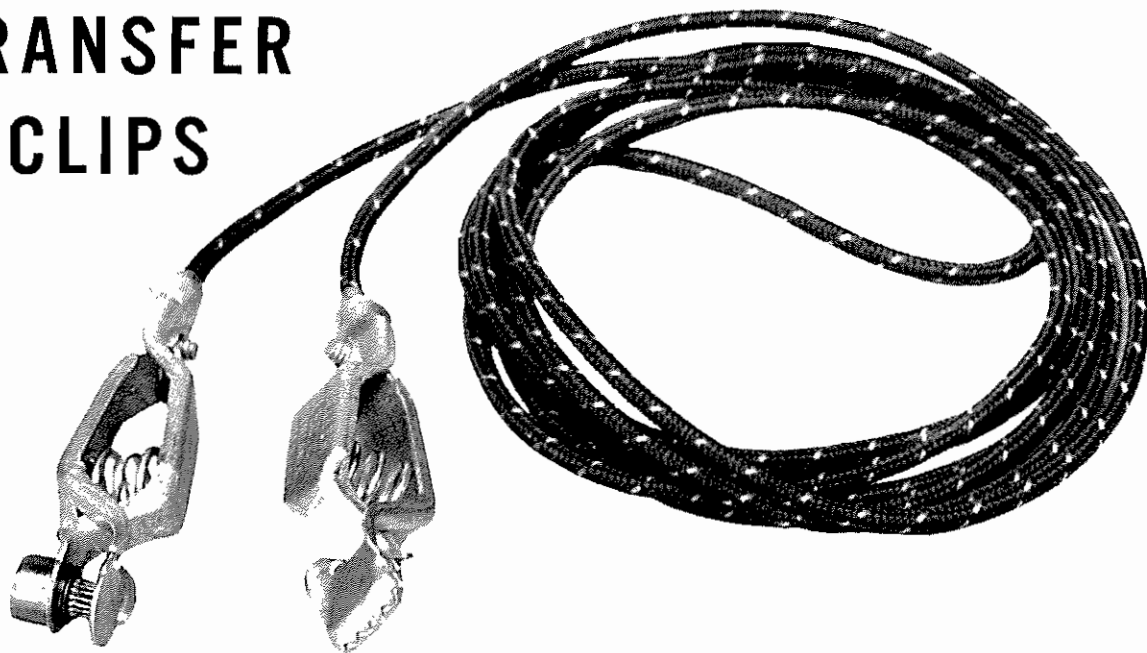
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# CABLE TRANSFER CLIPS



These cable transfer clips are for making contacts with insulated conductors in cable splicing and testing operations. They are furnished with two types, one designated B for use on 22 gauge and smaller conductors; the other designated C for 19 gauge and larger conductors. Each clip consists of a 6-foot W1AA waterproof cord equipped at one end with a No. 27 universal test clip for attachment to the test set and at the other with a contact clip having a group of sharpened pins for contacting cable conductors through the insulation. The contact clip is a modified No. 27 universal test clip with the serrated jaws removed and a brass cup, in which heat-treated steel pins are soldered, secured to one jaw. The C clip differs from the B clip in having a fewer number of larger and longer pins arranged in a ring instead of a full circle, as well as in having a stronger spring.

## SPECIFICATIONS

**Weight:** Approx. 2 ounces

**Finish:** Steel pins: bright and oiled  
Clips: cadmium plated

**Packing:** 10 per box

**Catalog No.** 6869—Specify B or C

**Prices on request.**

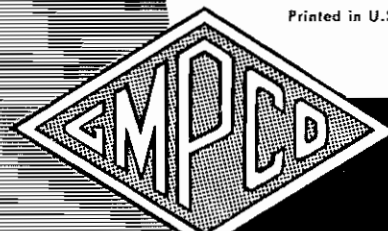
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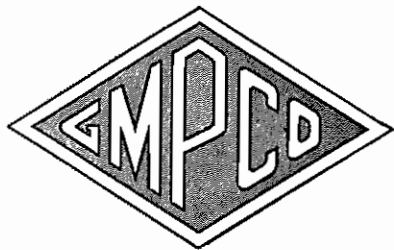
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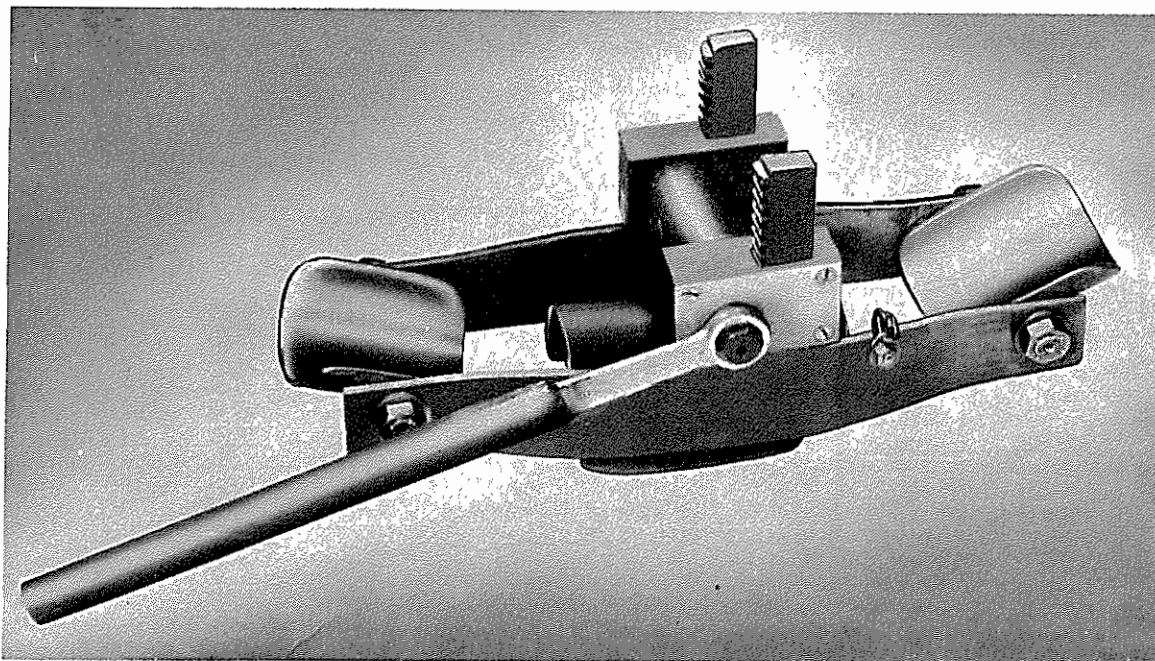




# B CABLE BENDER

This sturdy piece of equipment bends lead cable up to 2 3/4" in diameter. Because of its compact construction, it can be lowered into manholes where movement is restricted. As a safety measure, the fulcrum section is permanently attached to the base by a chain—it cannot fall separately and cause injury.

Frame is of 3/16" cold rolled steel; central member is arched at the correct angle to assure normal bends with no danger to the cable. Steel trunnions are saddle-mounted for ease in bending. Hardened steel teeth in the ratchet are deep-cut for long wear. The cable bender will exert 2000 lbs. pressure on cable with approximately 100 lbs. pressure on the handle.



**WEIGHT**, with 15" handle: 15 lbs.

**FINISH:** Oiled

**HEIGHT:** 7"

**LENGTH:** 15"

**WIDTH:** 6"

**Catalog No.** 6935

Prices on application

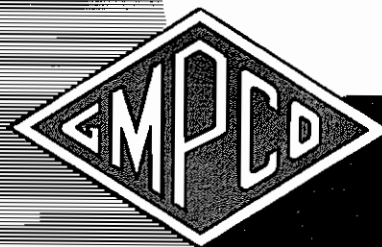
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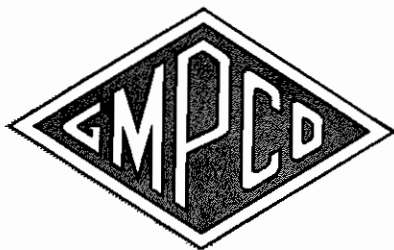
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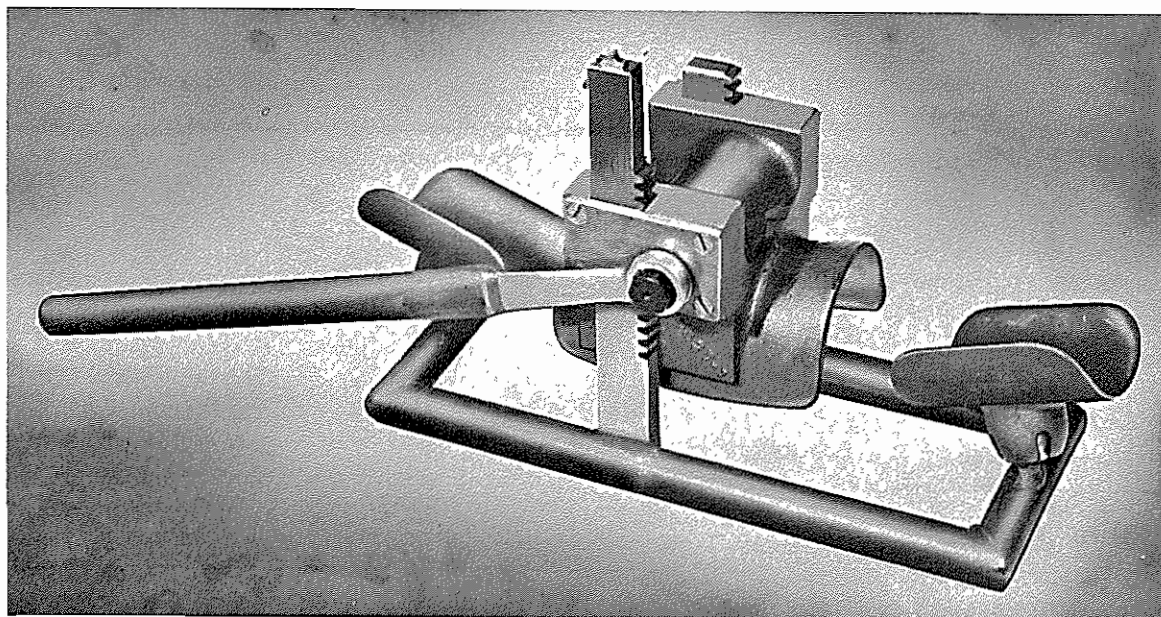
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# C CABLE BENDER



This light-weight cable bender makes compound bends in lead cable up to 2 3/4" in diameter. Frame is of aircraft alloy hollow steel tubing for maximum strength and lightness. The Saddles are swivel-mounted to secure any kind of bend including spiral bends. The tool may be rotated around the axis of the cable so that compound bends may be secured in restricted areas such as manholes.

Central section is arched at the correct angle for normal bends with no danger to the cable, and is provided with a safety catch at the top of the ratchet to prevent the fulcrum member from becoming detached from the base. A small trip lever allows the separation of the main fulcrum member from the frame and prevents the possibility for part of the tool to fall separately when being lowered into manholes. Hardened steel ratchets have deep-cut teeth for long wear. Over 1 ton pressure can be applied on cable with approximately 100 lbs. pressure on handle.

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**WEIGHT**, with 15" handle: 13 lbs.

**FINISH**: Oiled

**HEIGHT**: 8 1/2"

**LENGTH**: 15"

**WIDTH**: 6"

**Catalog No.** 7217

**Prices on application**

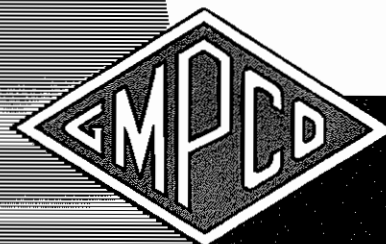
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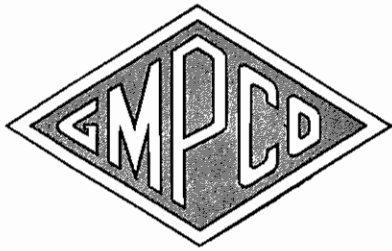
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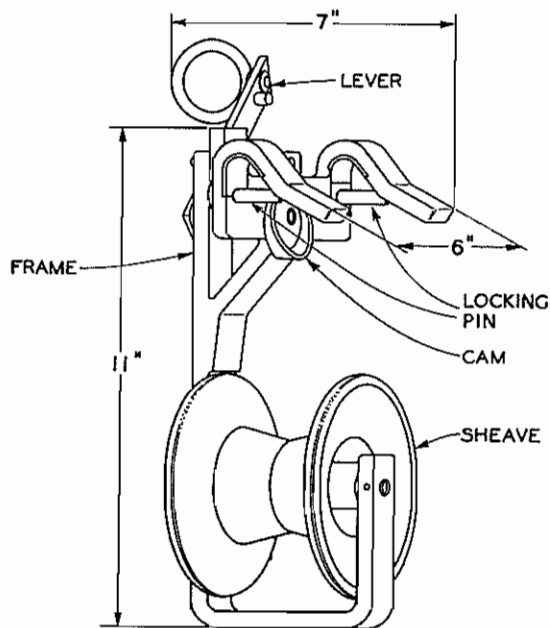
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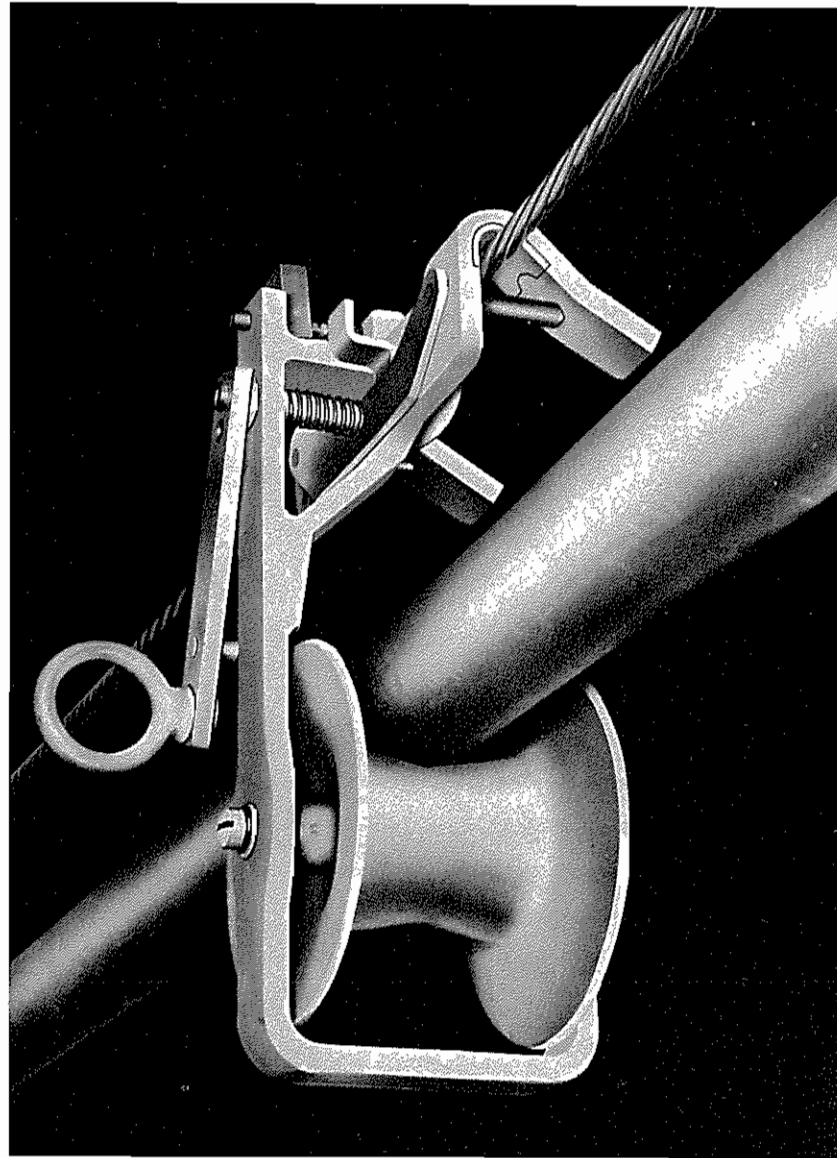




# CABLE BLOCK



The cable block supports aerial cable on 6,000, 10,000 and 16,000 suspension strands prior to lashing the cable to the strand. Frame is made of special heat-treated aluminum alloy for lightness and strength. Steel inserts on the inside or bearing surfaces of the strand hooks resist wear. Sheave is made of heat-treated aluminum alloy, mounted on centerless-ground seamless steel tubing with Oilite bearings and thrust washers. The case-hardened double eccentric cam locks the block against movement in one direction along the strand but permits free movement in the forward direction. The locking lever is reversible: the block may be locked in either position so that the cable may be pulled in the opposite



direction. The new model features automatic safety spring locking pins on both strand hooks to prevent the block from accidentally falling off the strand. These locking pins also keep the pulling line from entering and becoming entangled with the strand hooks during lashing.

**WEIGHT:** Approximately 3 3/4 pounds.

**FINISH:** Frame is anodized and enameled yellow for visibility. Steel parts—cam, lever and catch—are cadmium plated for rust prevention.

**Catalog No. 7162**

Prices on application.

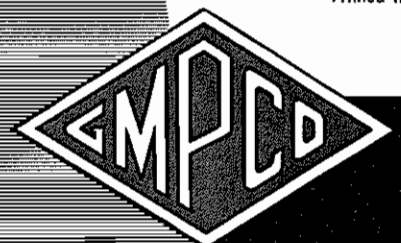
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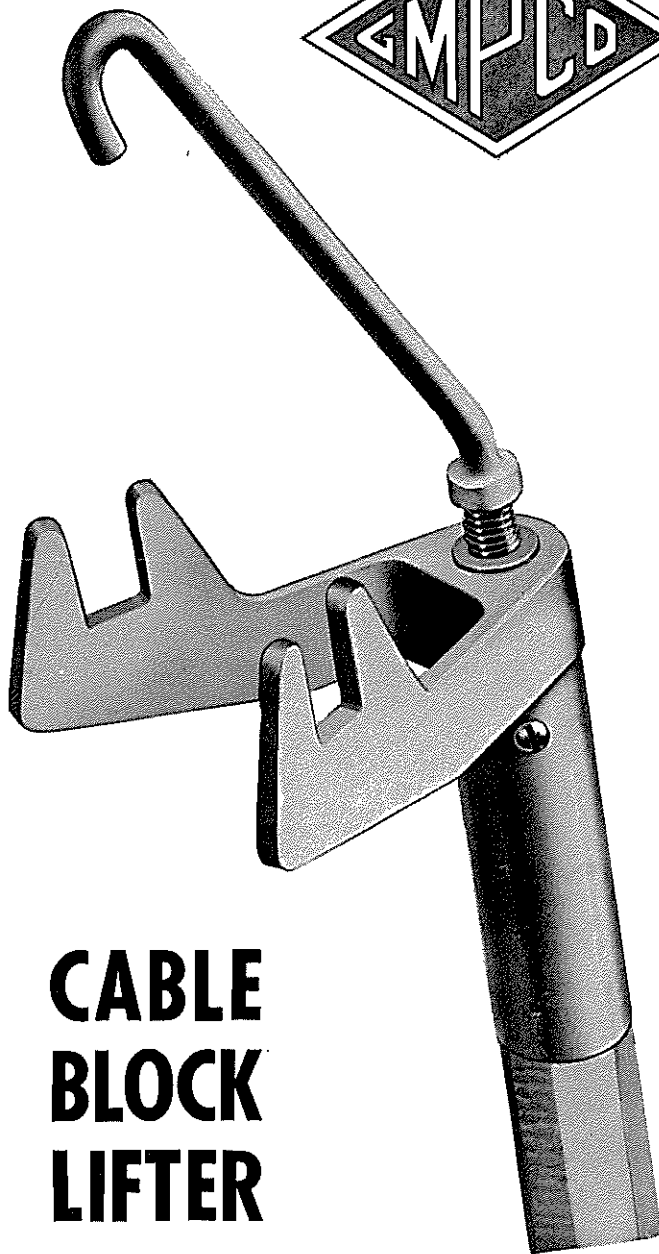
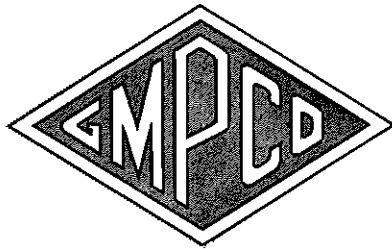
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## CABLE BLOCK LIFTER

The cable block lifter is used with tree pruner handle sections for placing cable blocks on suspension strand. It consists of an aluminum alloy tubular portion which fits into the tree pruner handle, an aluminum alloy cradle for supporting the block, and a hook for operating the block cam lever. The hook can be set in either of two positions 180° apart for either right or left hand cable positioning.

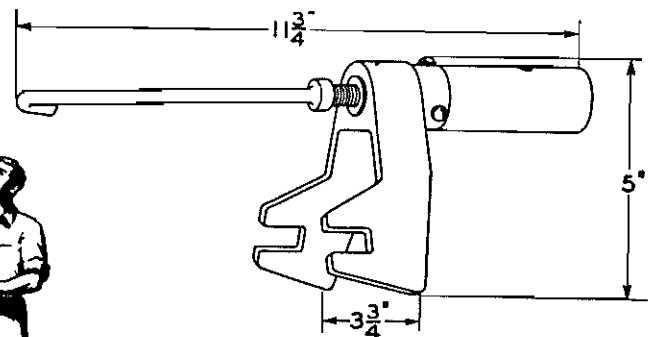
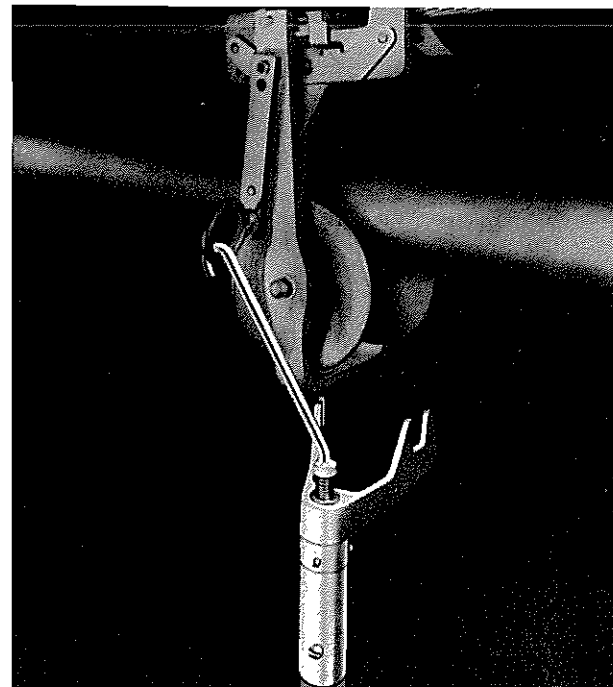
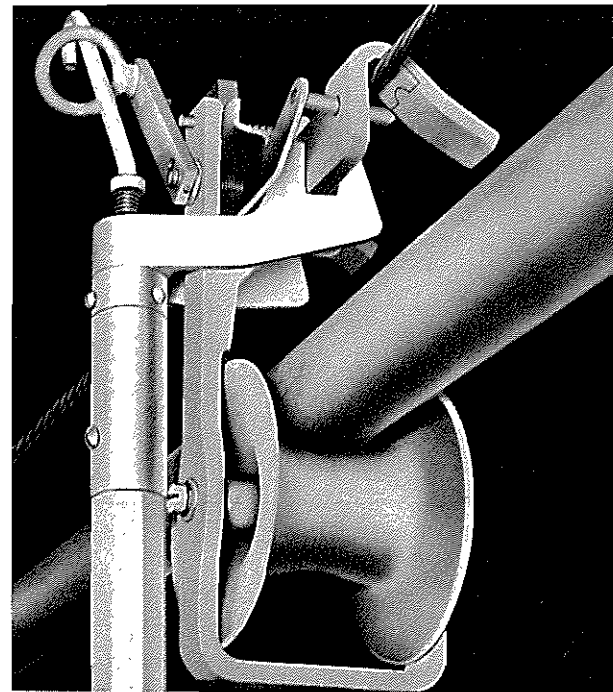
**WEIGHT:** Approximately  $\frac{3}{4}$  pound.

**FINISH:** Steel part (hook)—zinc or cadmium plated.

**Catalog No. 7163**

Prices on Application.

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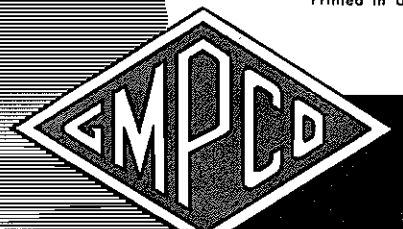


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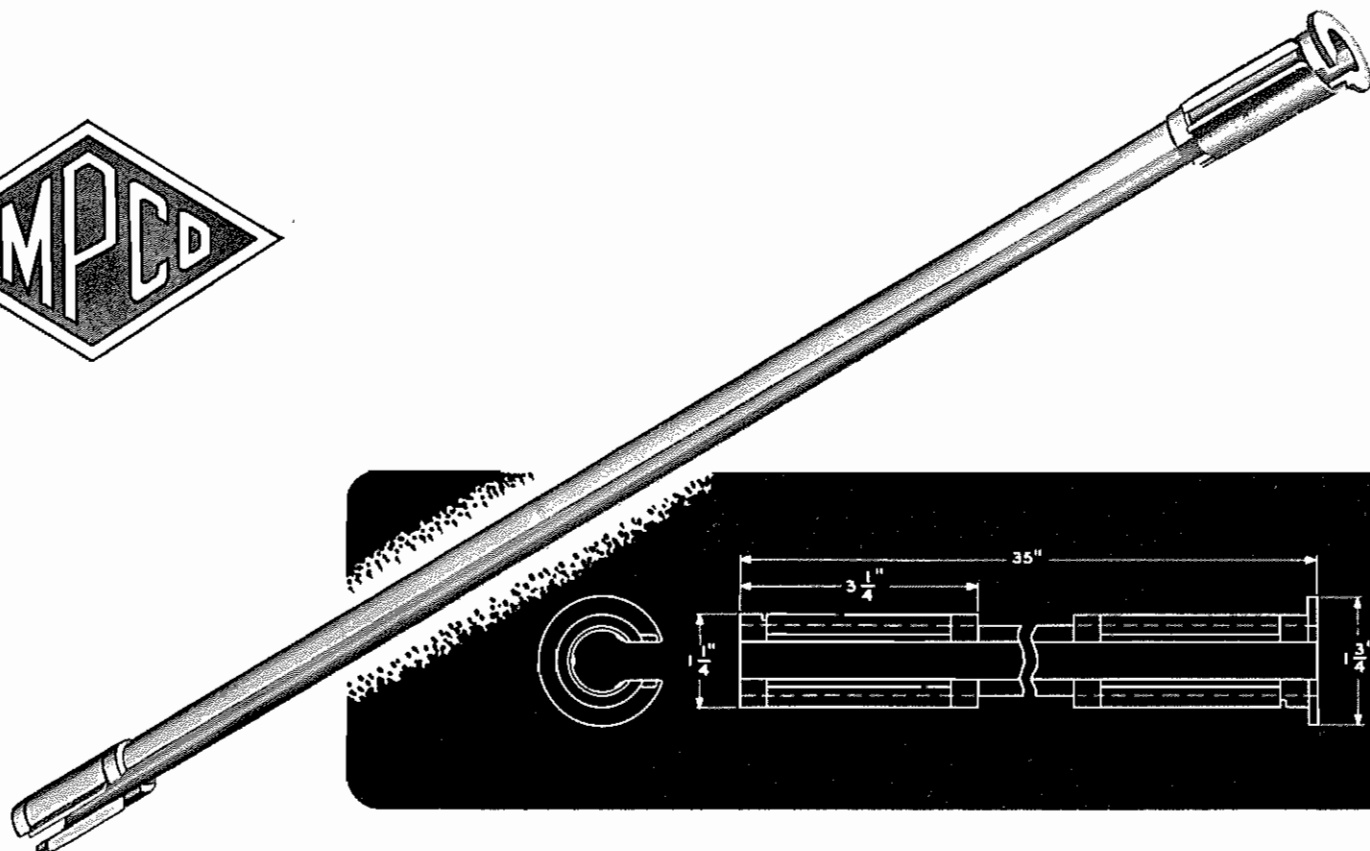
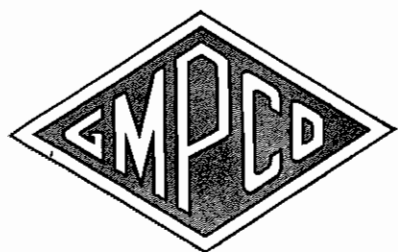
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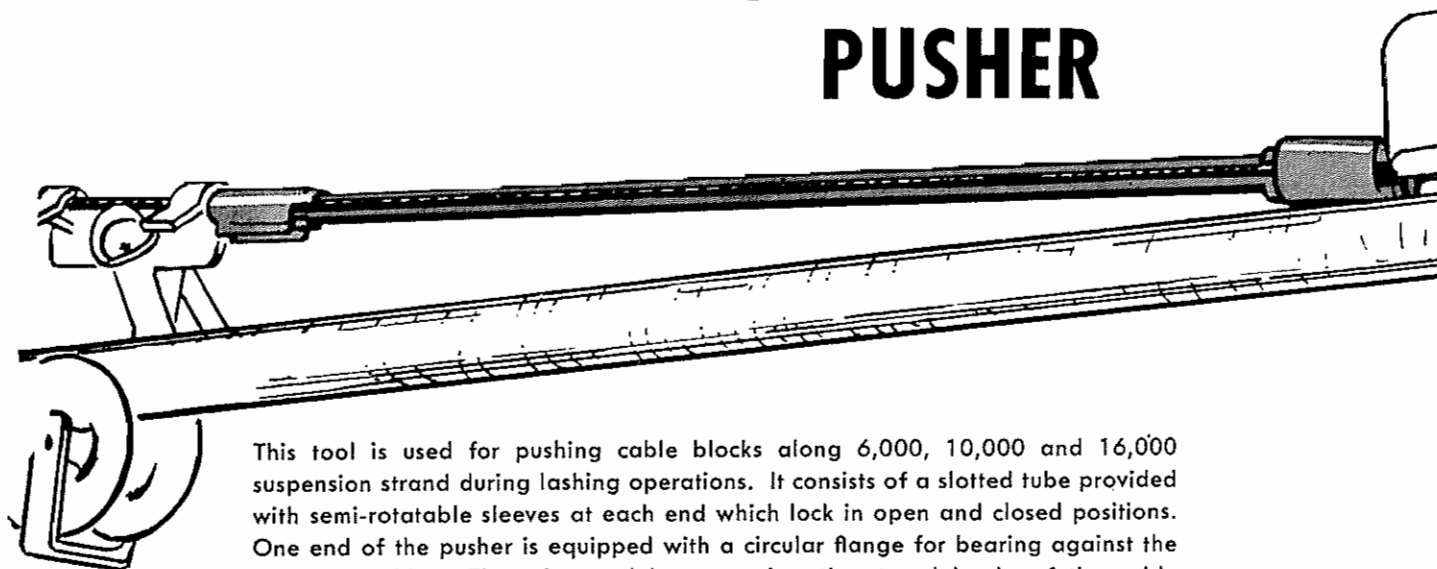
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## CABLE BLOCK PUSHER



This tool is used for pushing cable blocks along 6,000, 10,000 and 16,000 suspension strand during lashing operations. It consists of a slotted tube provided with semi-rotatable sleeves at each end which lock in open and closed positions. One end of the pusher is equipped with a circular flange for bearing against the lashing machine. The other end bears against the strand hooks of the cable blocks. Is easily mounted on or disengaged from the strand, but cannot fall off during the lashing operation.

**WEIGHT:** Approximately 2 pounds.

**FINISH:** Zinc or cadmium plated.

**Catalog No. 7180**

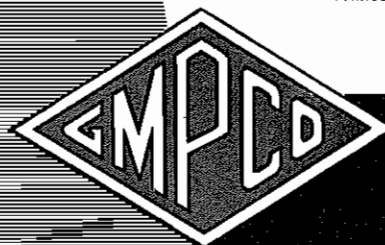
Prices on application.

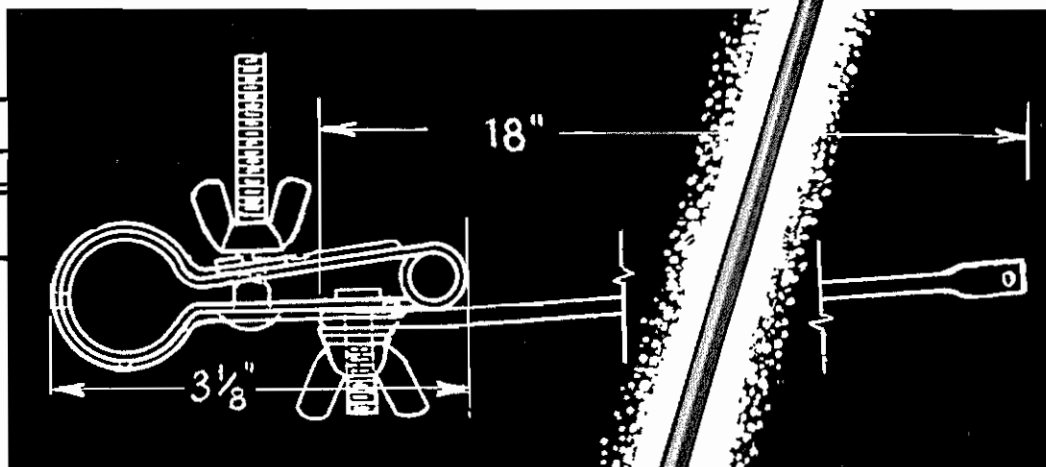
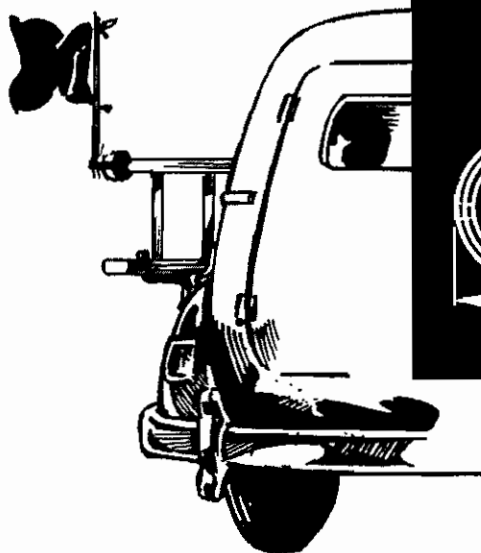
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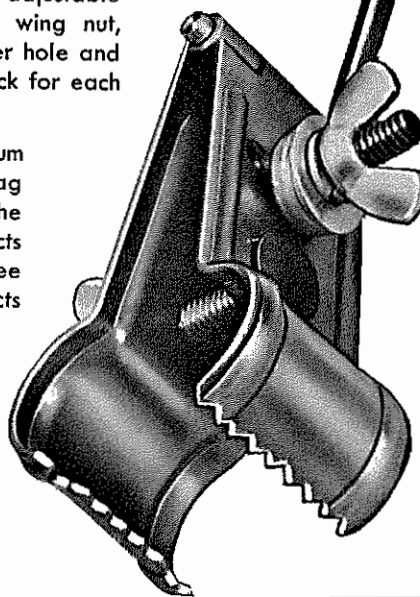




# WARNING FLAG AND BRACKET

A unique feature of this efficient bracket is the pivoted staff for the warning flag. The bracket can be quickly clamped in the most advantageous position with regard to the clamp; then the staff and its flag adjusted to whatever angle is most visible to traffic. The staff is readily adjustable to 3 positions, 90° apart, by releasing the wing nut, inserting the bent end of the staff in the proper hole and retightening the nut. This provides a positive lock for each position of the flag.

Bracket is of all steel, heavily cadmium plated, except the hinge pin and flag staff which are of brass. Toothed jaws of the clamp open wide to accommodate large objects so that the bracket may be used on ladders, tree pruners or any other long equipment which projects beyond the service truck.



## BRACKET

**WEIGHT:** 1/2 pound

**FINISH:** Steel parts cadmium plated

**Catalog No.:** 6622

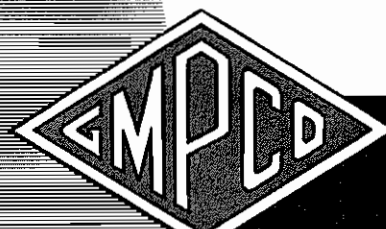
**Prices:** On application

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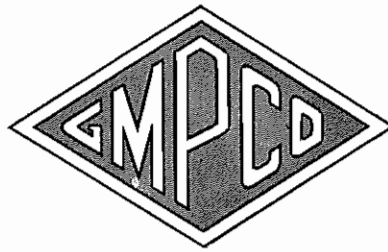
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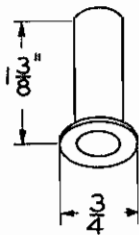
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# B STATION TUBING BRACKET, BUSHING & WASHER

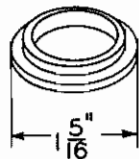


This bushing is designed for reinforcing the ends of B station tubing where connectors are to be placed for additional outlets. Bushing is accurately made of solid brass.

**Weight:** Per pkg. of 10—3 oz.

**Finish:** Natural brass

**Catalog No. 7219**

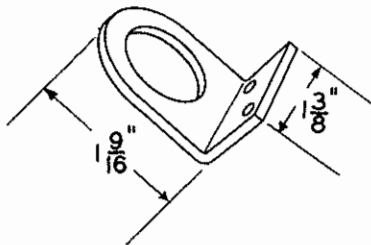


The washer, made of steel, is for use with the B station tubing connector in attaching B station tubing to floor outlet fittings in office building and similar installations.

**Weight:** Per pkg. of 10—3 1/2 oz.

**Finish:** Cadmium plated

**Catalog No. 7220**

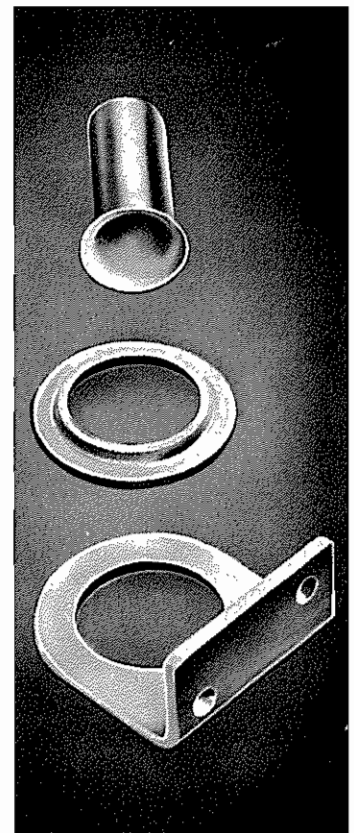


The steel bracket is for use with the B station tubing connector in attaching B station tubing to desks. It forms a sturdy support, yet is unobtrusive in appearance.

**Weight:** Per pkg. of 10—9 oz.

**Finish:** Cadmium plated

**Catalog No. 7222**



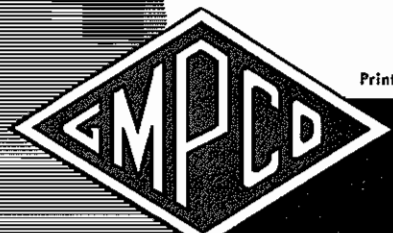
Prices on request

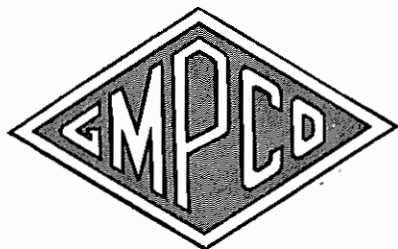
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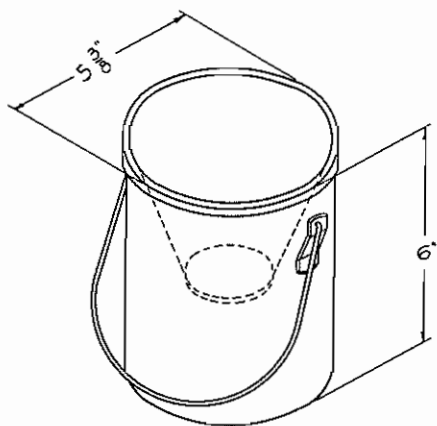
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## B SOAP BUCKET



The B Soap Bucket is a dispensing container for soap solution used in pressure testing cable. It consists of a cylindrical aluminum can with a centrally-located funnel-shaped well and a bail for hoisting or suspending the bucket. The well accommodates a brush with a rubber stopper or plug permanently attached to the handle. Replacing the brush automatically covers the soap solution, preventing evaporation and gumming.

An improvement has been made in the funnel which now can be easily removed for cleaning by snapping the funnel section upward.

Weight:  $\frac{5}{8}$  pound  
Finish: Natural aluminum  
Catalog No. 7271  
Prices on request

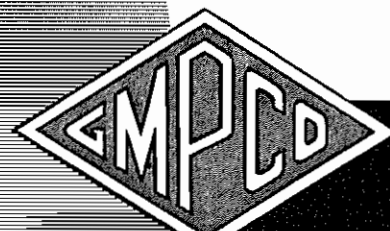
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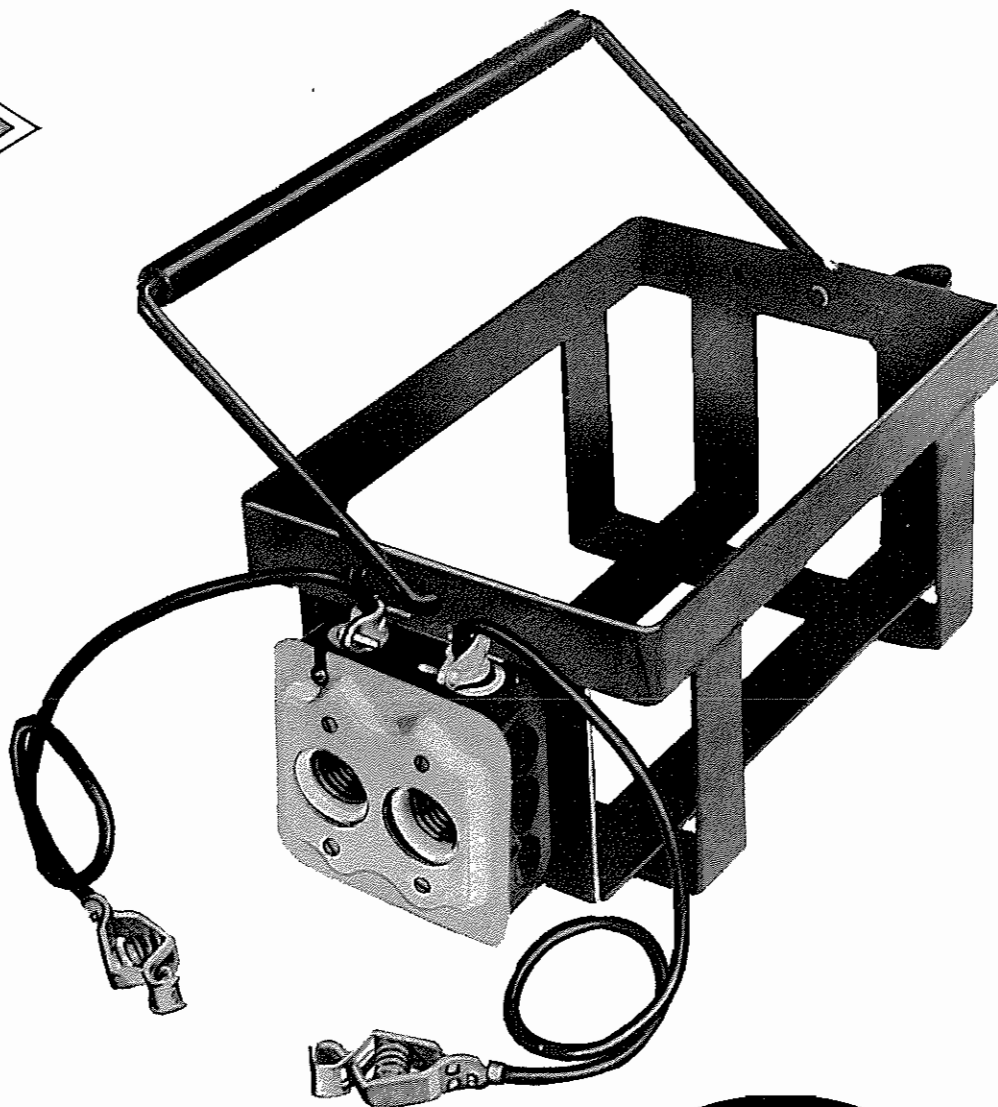
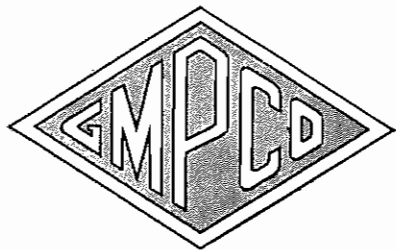
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## STORAGE BATTERY CARRIER

This carrier is for use in transporting an automobile-type storage battery for use with battery-operated devices. It consists of a basket formed of flat steel straps with a steel pipe handle that can be rotated out of the way for placing or removing the battery. A two-gang screw receptacle at one end permits attachment of cords equipped with screw plugs, and a bracket at the other end provides support for a warning signal standard.

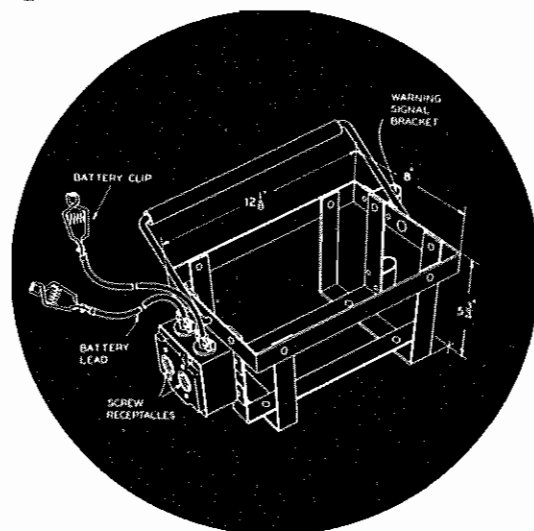
**WEIGHT:** 7  $\frac{3}{4}$  pounds.

**FINISH:** Baked enamel, olive green.

**Catalog No. 6886**

Prices on request.

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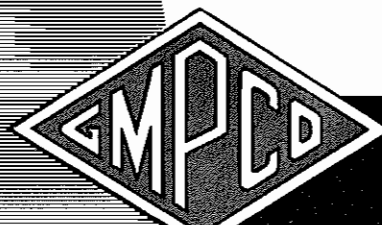


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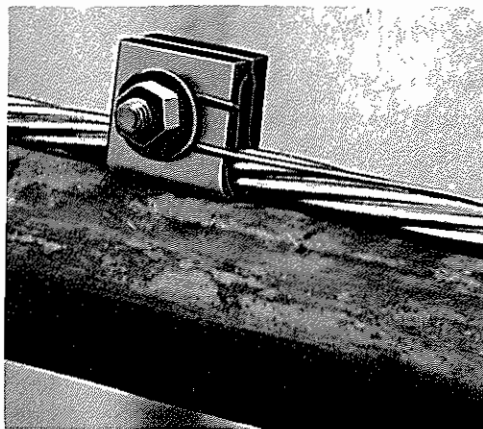
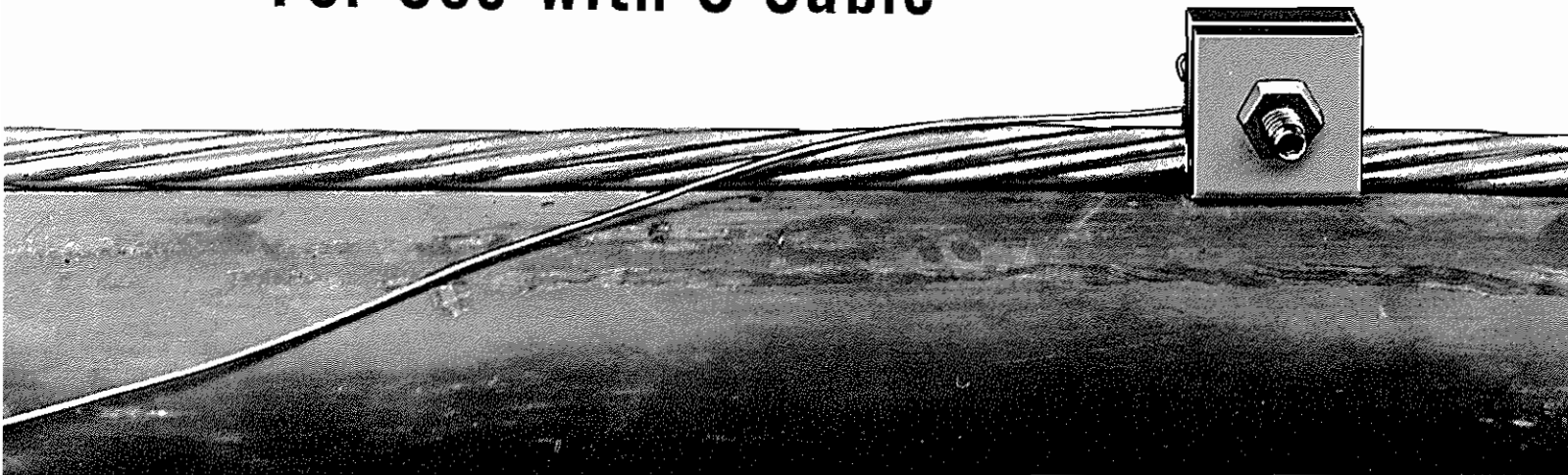
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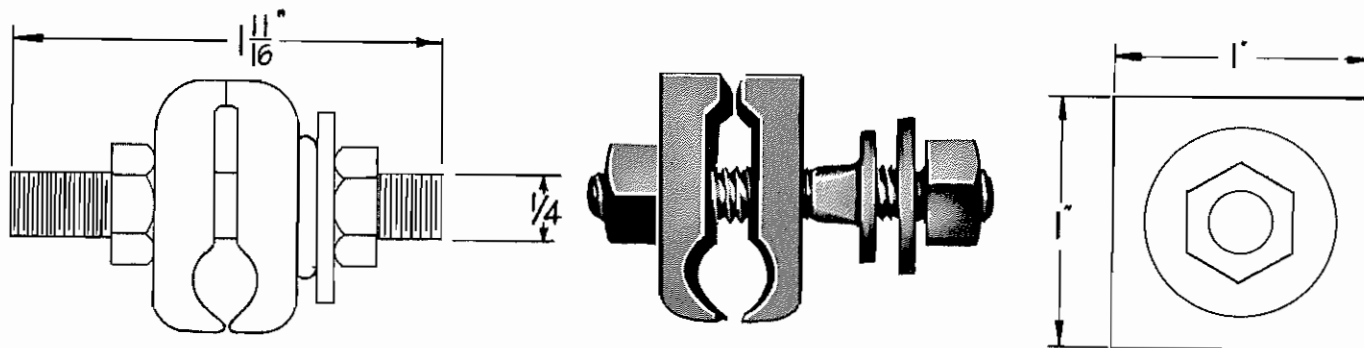


# LASHING WIRE CLAMP

## For Use with C Cable



C cable lashing wire clamps are used as permanent terminations for lashing wire, although they will also serve the purpose of temporary clamps. The C cable lashing wire clamp consists of a pair of grooved plates and a threaded stud equipped with a flanged shoulder and two hexagonal nuts and a washer. The nut on the long end of the stud serves to tighten the clamp on the strand. The nut on the short end is used in terminating the lashing wire. This makes a secure, permanent termination which is highly rust-resistant and which will hold fast under severe tension.



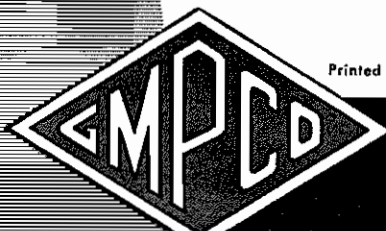
Weight: 3 oz.  
Finish: Hot-dip galvanized  
Catalog No. 7285  
Prices on request

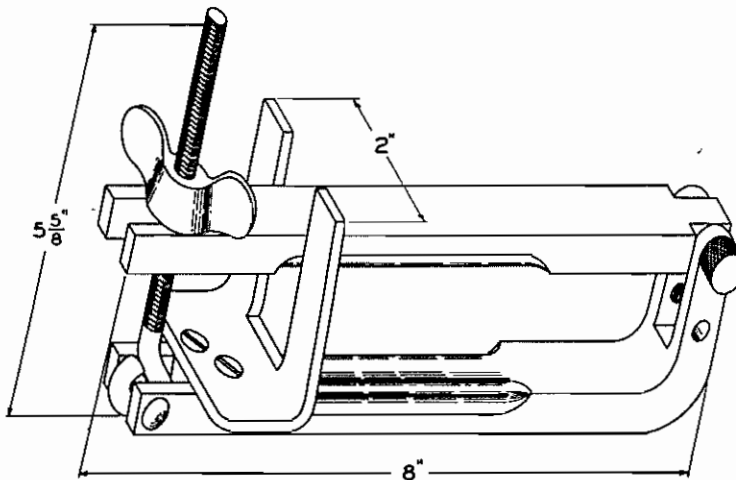
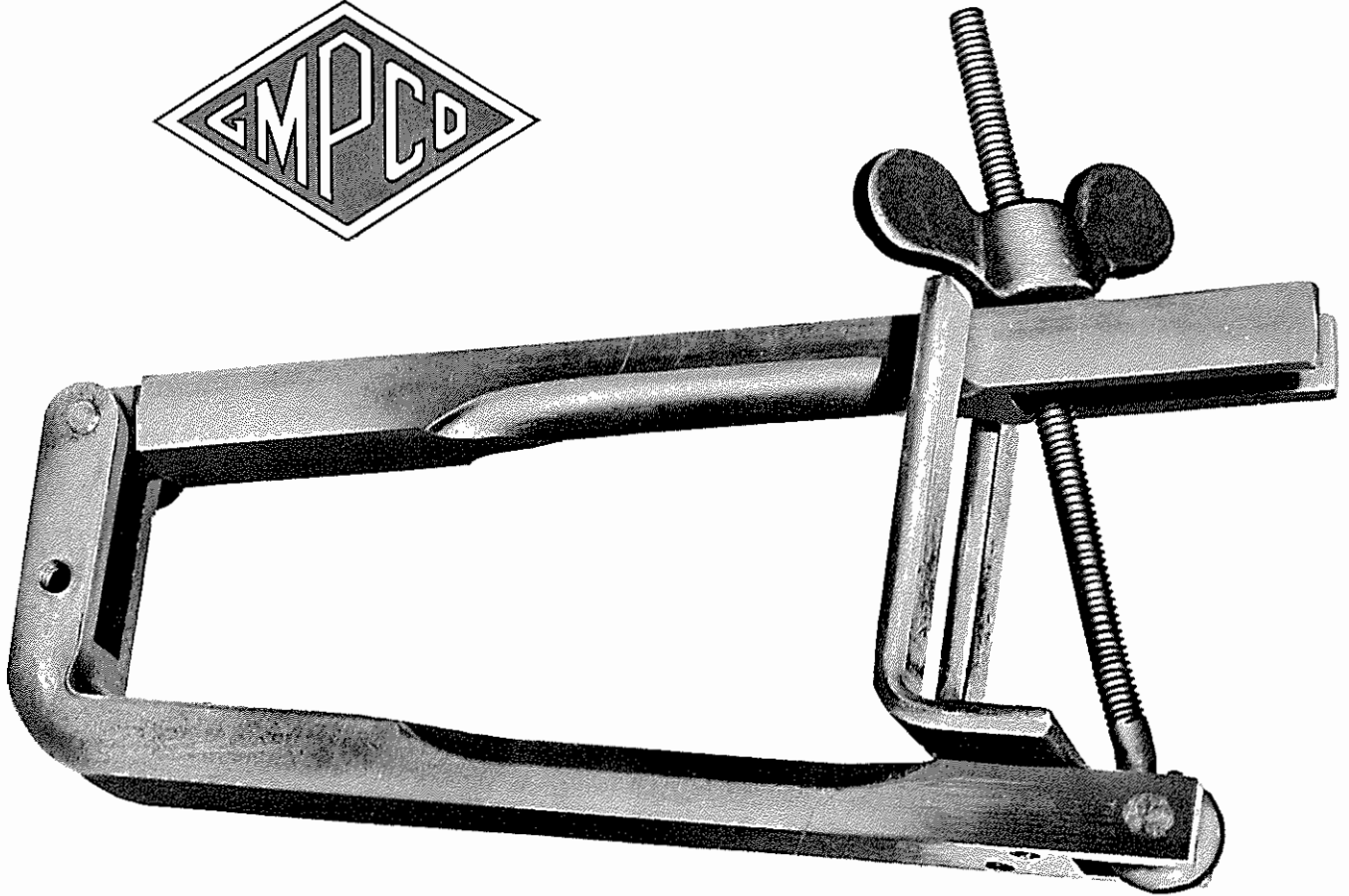
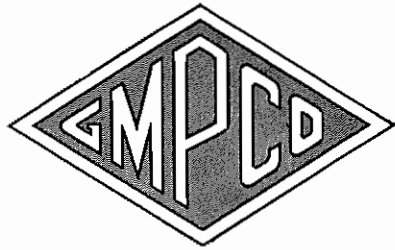
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## CABLE SHEATH CONSTRICTOR

This sturdy steel tool is for forming compression rings in lead cable sheath. It consists of two arms hinged at one end and provided at the other end with a screw and wing nut for adjustment. A stop secured to one arm locates the tool so that the rounded, polished portions of the arms are in contact with the cable sheath. Two sets of hinge holes are provided for adjusting the tool to the range of cable sizes, one for cables up to 1 1/2 inches

in diameter and the other for the larger cables, up to 2 3/4 inches in diameter.

**WEIGHT:** Approximately 2 pounds.

**FINISH:** Coated with light mineral oil.

**Catalog No. 6978**

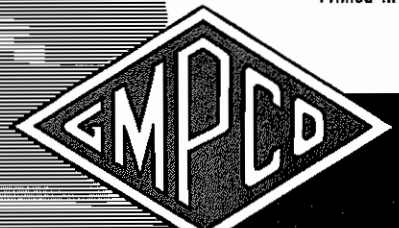
Prices on application.

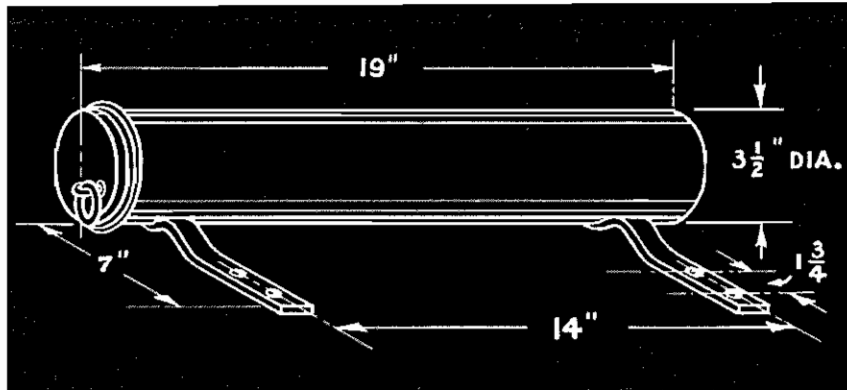
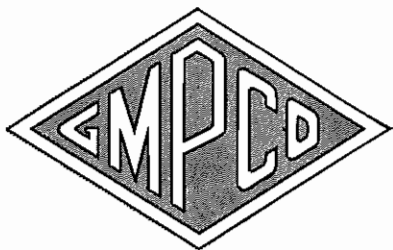
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# GLOVE CONTAINER

This container for asbestos fire-fighting gloves is of hot-tinned steel with brackets for attaching to the fire extinguisher bracket. Release is effected by a sharp downward pull on the cover. All metal parts are rust-proofed.

**WEIGHT:** 2 lbs.

**FINISH:** Bright red baked enamel with black lettering.

**Catalog No.** 8434

Prices on application.

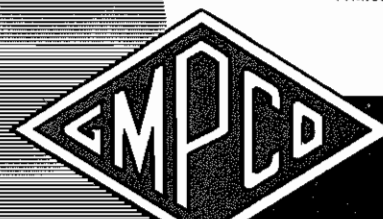


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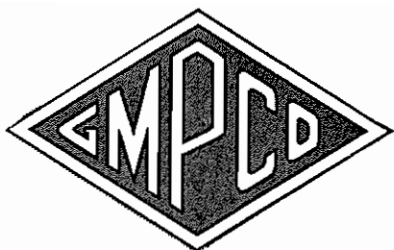
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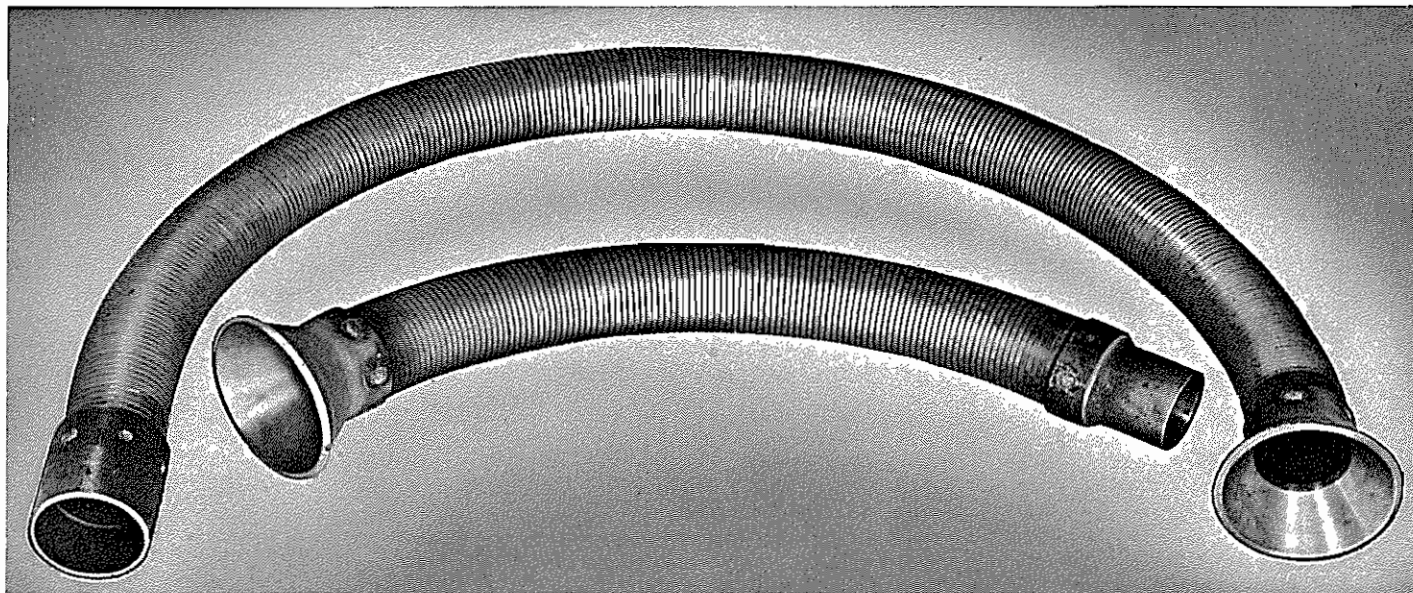
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# CABLE FEEDER



**GENERAL:** This cable feeder is for use in manholes as a guide and protection for cable while it is being pulled into underground conduit. It consists of a main section, an extension section, a 3-inch and a 3 1/4-inch nozzle. The main section consists of 4-inch flexible metal hose with a bell mouth on one end and a sleeve to receive a nozzle on the other end. The extension section consists of 4-inch hose with a bell mouth on one end and a tube on the other end to connect to a bell mouth so that one or more extension sections may be added to the main section. The bronze or malleable iron nozzles, which are split to facilitate removal, serve to join the main section to the conduit.

A 3 1/4-inch S nozzle is available as an optional part.

## DIMENSIONS AND WEIGHTS:

| Name of Part        | Bore Inches | Max. Diam. Inches | Overall Length Inches | Approx. Weight Pounds |
|---------------------|-------------|-------------------|-----------------------|-----------------------|
| Main Section        | —           | 7 1/2             | 90                    | 35                    |
| Extension Section   | —           | 7 1/2             | 43 1/4                | 18                    |
| 3-inch Nozzle       | 2 5/8       | 4 3/4             | 6 1/4                 | 7                     |
| 3 1/4-inch Nozzle   | 2 7/8       | 4 3/4             | 6 1/4                 | 8                     |
| 3 1/4-inch S Nozzle | 3 1/8       | 4 3/4             | 5 3/4                 | 5                     |

**FINISH:** Iron and Steel parts oiled.

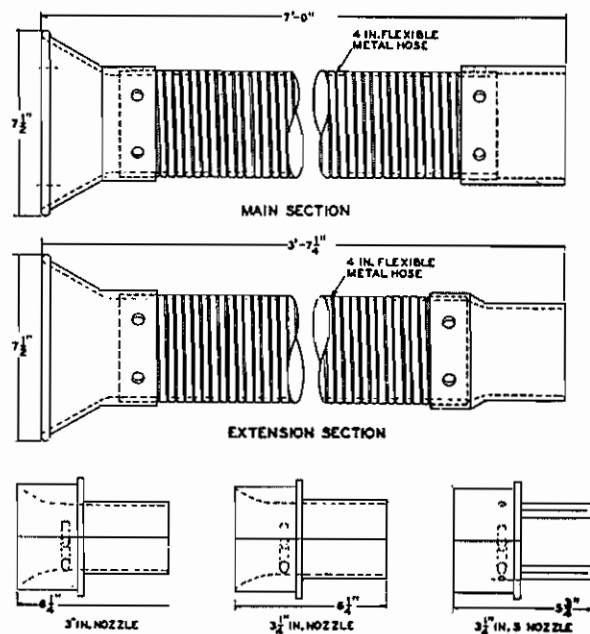
## OPTIONAL AND REPLACEMENT PARTS:

|                   |                     |
|-------------------|---------------------|
| Main Section      | 3 1/4-inch Nozzle   |
| Extension Section | 3 1/4-inch S Nozzle |
| 3-inch Nozzle     |                     |

**Catalog No. 6058**

Prices on application.

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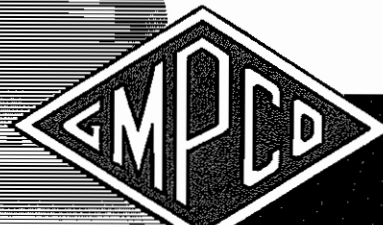


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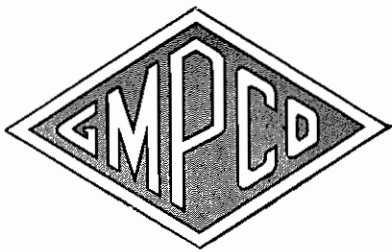
# GENERAL MACHINE PRODUCTS Co.

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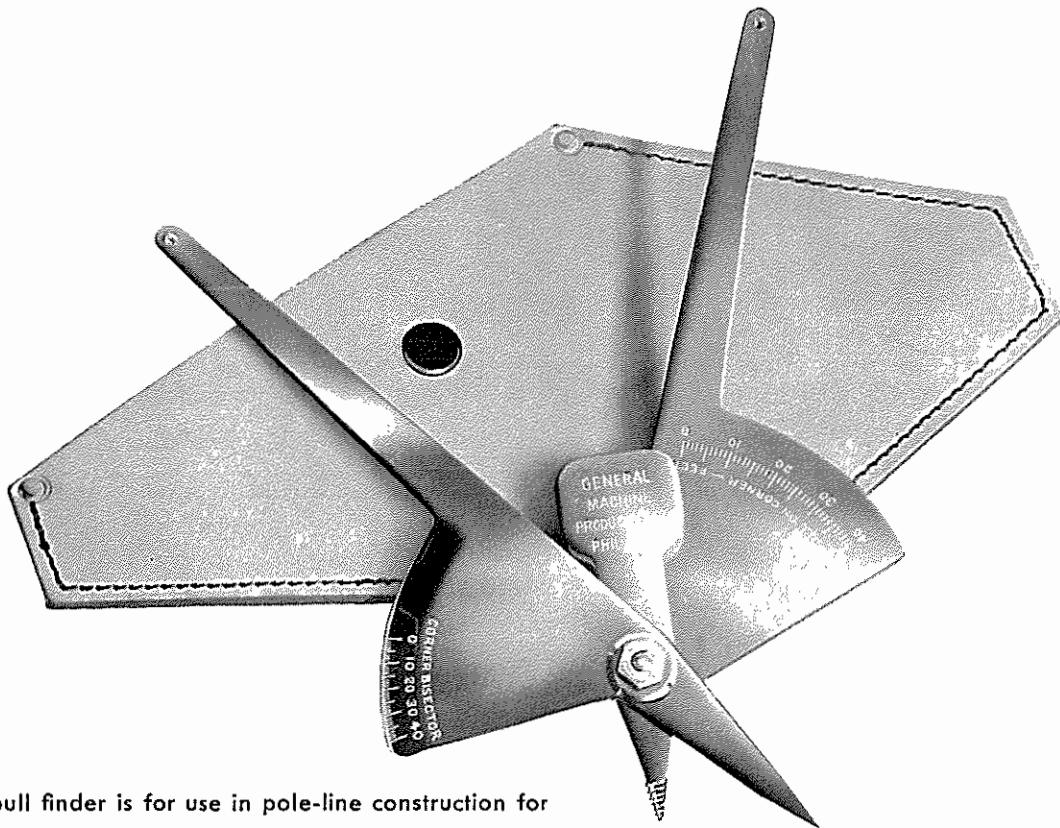
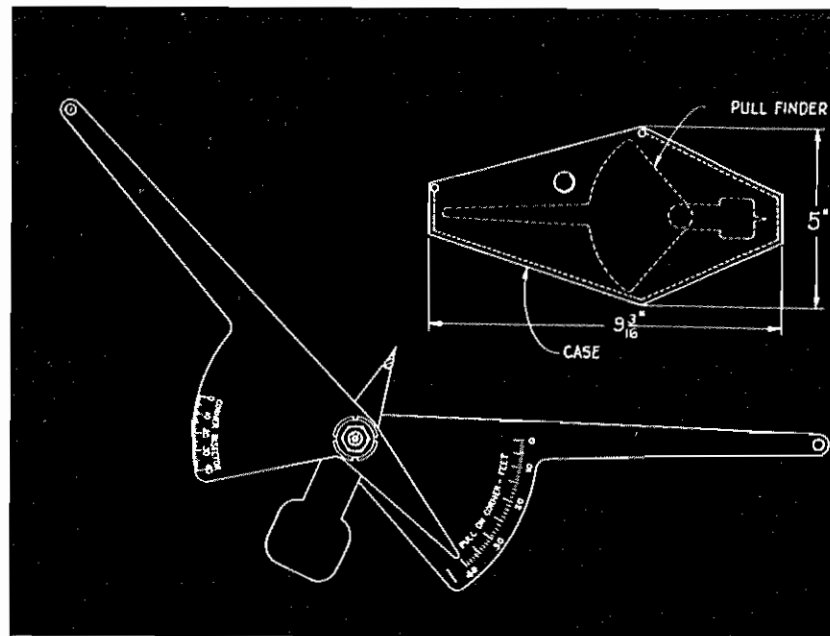
7th and WOOD STREETS • PHILADELPHIA 6, PA.







# PULL FINDER



The pull finder is for use in pole-line construction for determining the "pull" on corner poles and for bisecting the corner angle to facilitate locating the guy wire. It consists of a prod which screws into the corner pole and supports two pivoted sighting arms. A pointer on one arm indicates the pull on a scale inscribed on the other arm. Another scale on the first arm and an index mark on the second arm enable one arm to be set to point along the bisecting line of the corner angle. A fine-grain cowhide carrying case is provided with each pull finder.

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**WEIGHT:** ½ pound including case.

**FINISH:** Metal parts brass, heavily nickel plated and polished.

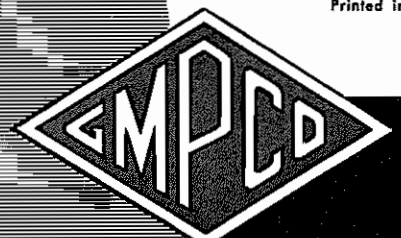
**Catalog No. 7200**

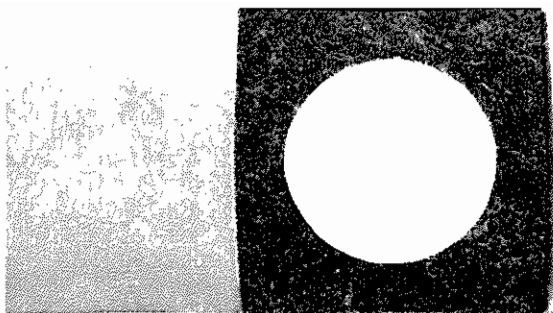
Prices on application.

Printed in U.S.A.

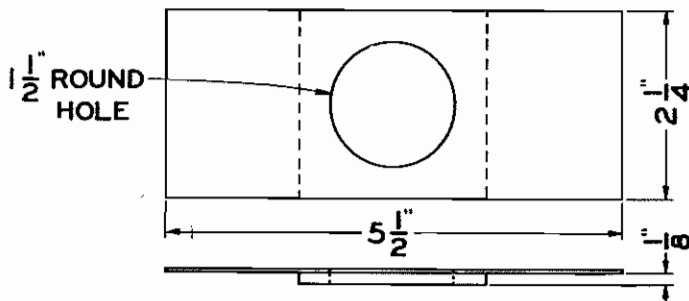
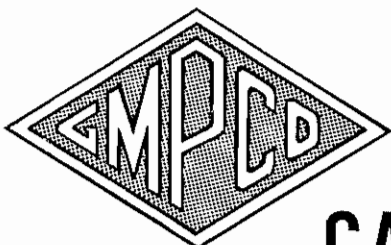
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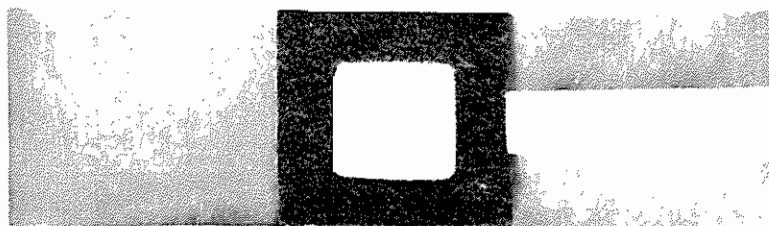




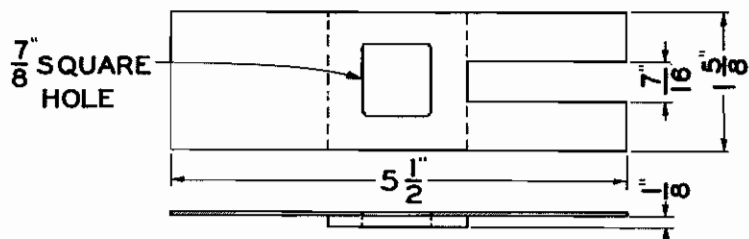
1 1/2-INCH CABLE SOLDERING FORM



## CABLE SOLDERING FORMS



7/8-INCH CABLE SOLDERING FORM



Cable soldering forms are provided in 1 1/2-inch and 7/8-inch sizes to facilitate soldering bonding ribbon and pressure-testing fittings to lead-covered cables. These forms consist of short lengths of kraft paper having felt washers glued to the under side of the paper which is gummed for securing the forms to cables. The forms have openings to confine the solder around the attachment. The 7/8-inch size is slotted to accommodate bonding ribbon and is provided with a square instead of a round opening.

### SPECIFICATIONS

Packing: 10 per package;  
10 packages per carton  
Catalog No. 6974—Specify size.  
Prices on request

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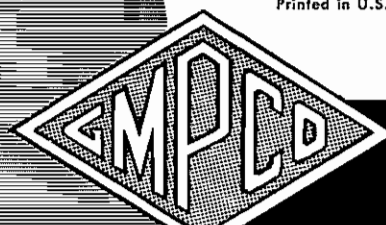
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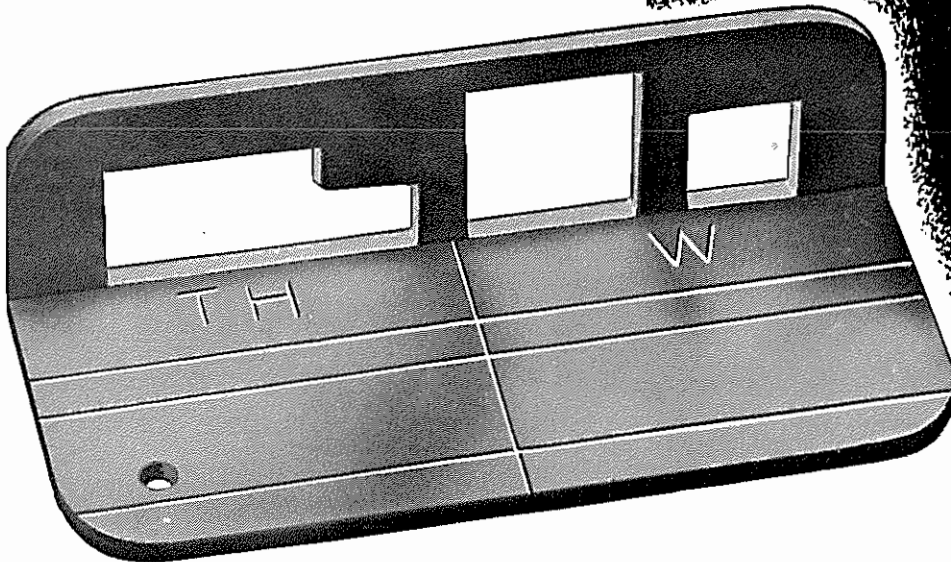
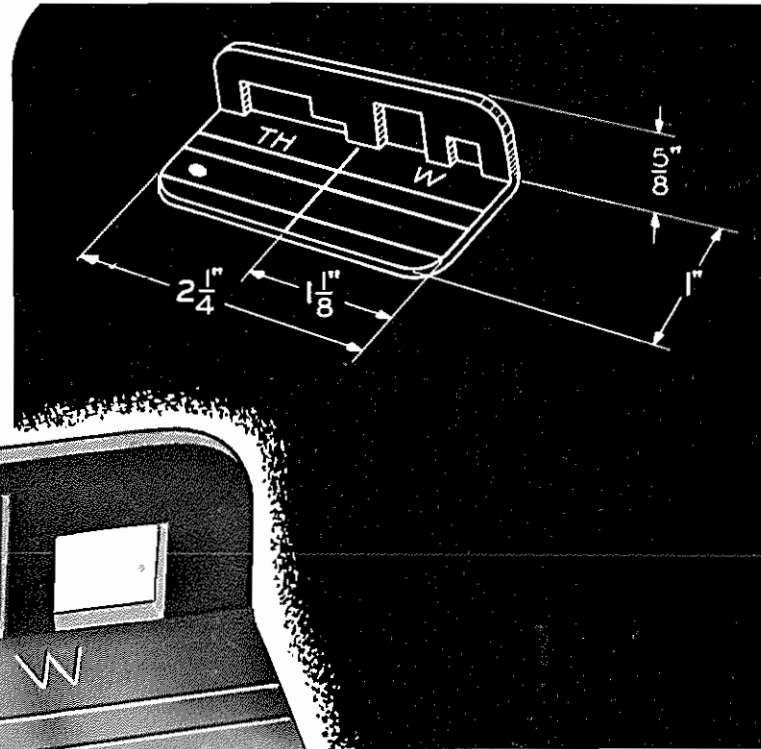
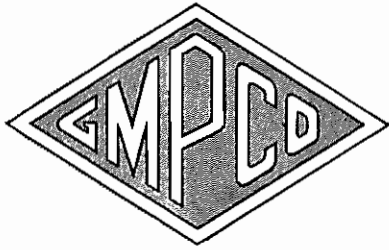
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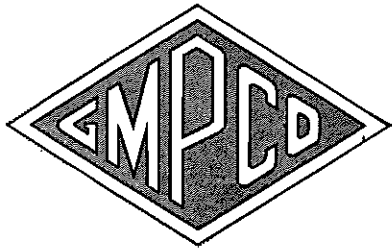
# GAFF GAUGE

This handy inexpensive L-shaped tool is used to gauge the dimensions and sharpness of linemen's climber gaffs, keeping an accurate method of checking safe working conditions. Made of case-hardened cold rolled steel, both thickness and width dimensions are clearly etched. This new model features a small circular hole in addition, to facilitate attaching chain or clip to prevent loss. Can be easily carried in the pocket.

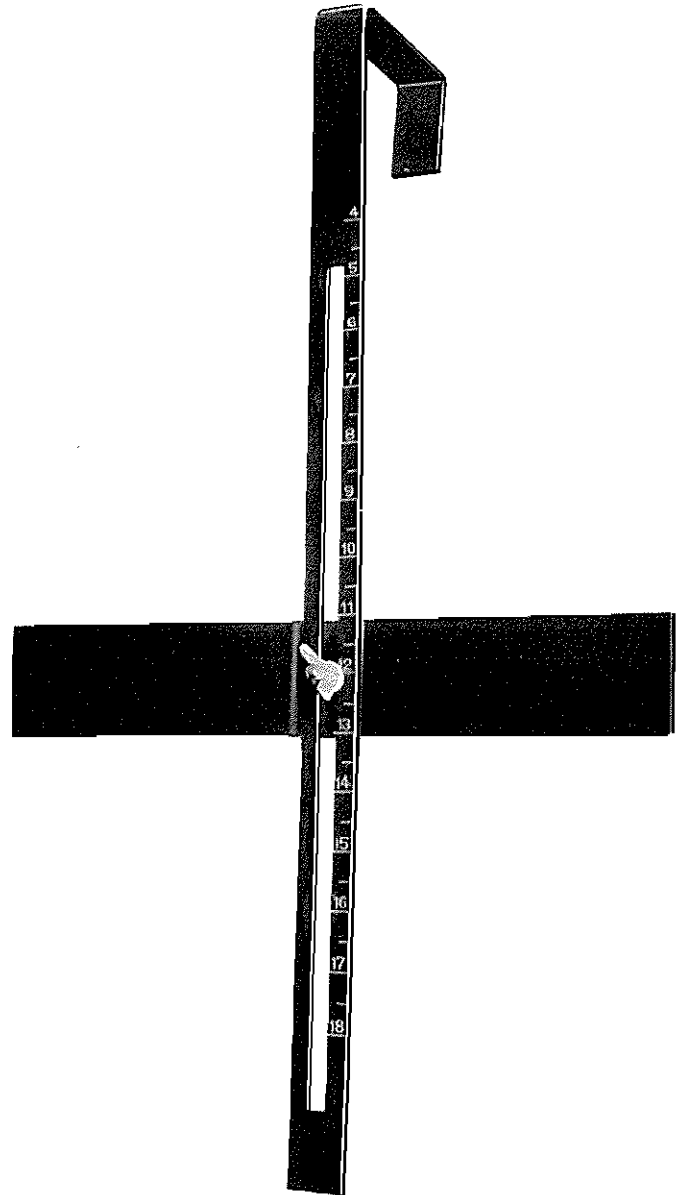
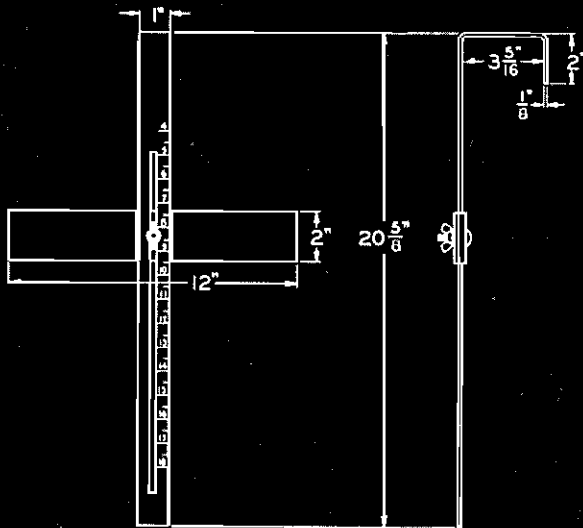
Weight.....Approximately 1 ounce

Finish.....Oxidized

Catalog No. 7210



# Sag Gauge



The sag gauge is provided for use in sighting sag on open wire lines. The tool consists essentially of two parts, a vertical hanger which hooks over the cross-arm and a horizontal target which slides on the hanger and carries a bolt and thumb nut for clamping the target at the desired level. One side of the hanger is provided with a scale in one-half inch graduations for setting the target with reference to the top of the crossarm. The face of the target is painted yellow while the back of the target and the hanger are painted black in order to provide good visibility against both dark and light backgrounds. The target may be clamped in a position parallel to the hanger for convenience in transporting and storing.

**NEW FEATURES:** The joint between the target and the hanger has been redesigned and a more durable enamelled finish is used.

**WEIGHT:** 1 1/2 pounds.

**FINISH:** Baked enamel.

**Catalog No. 6712**

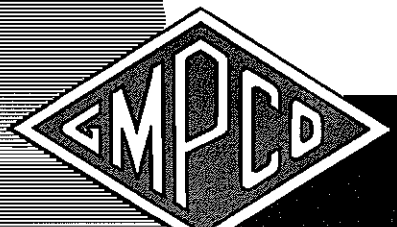
Prices on application.

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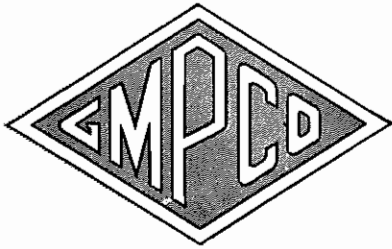
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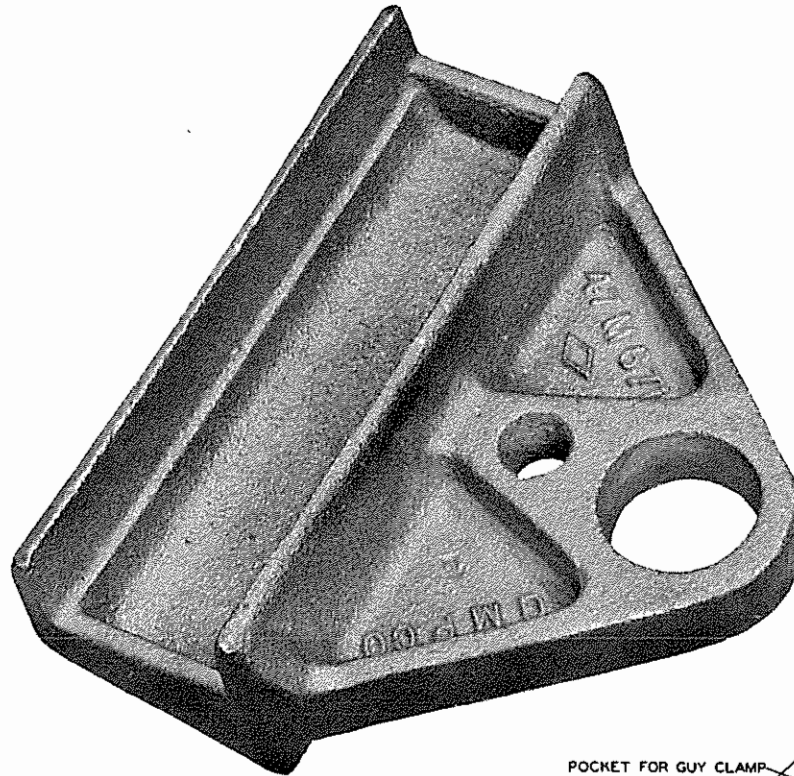
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# GUY CLAMP HOLDER



This is a malleable iron casting with a pocket for holding guy clamps while tightening the bolts when assembling the clamps with strand. It is provided with a  $1 \frac{5}{16}$ -inch hole for attachment to the rear end of the truck with the truck eyebolt. Lugs which bear against the edge of the scuffle plate prevent rotation of the holder. A  $\frac{9}{16}$ -inch hole is also provided to permit attachment of the holder to the truck vise bracket with a  $\frac{1}{2}$ -inch machine bolt.

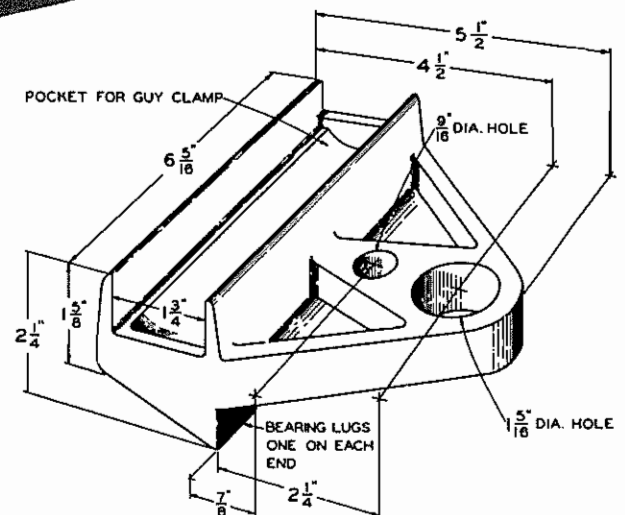
**NEW FEATURES:** Provision of holes for eyebolt or machine bolt attachment instead of set screw and stud on holder, and decrease in height of one end rib of clamp pocket to facilitate tightening adjacent clamps.

**WEIGHT:** Approximately  $4 \frac{1}{8}$  pounds.

**Catalog No. 6830**

Prices on application.

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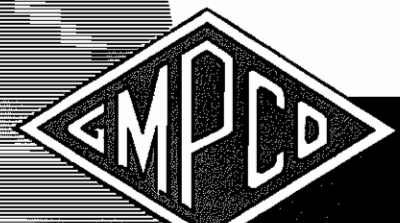


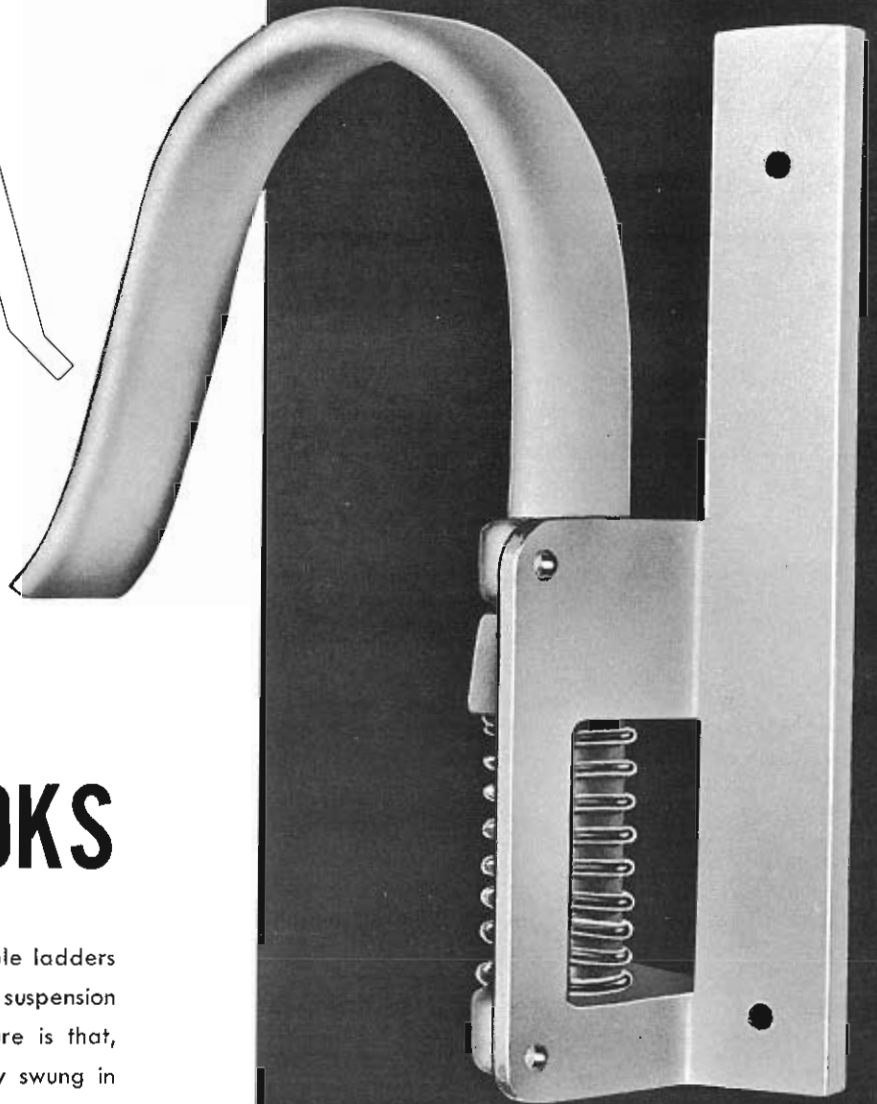
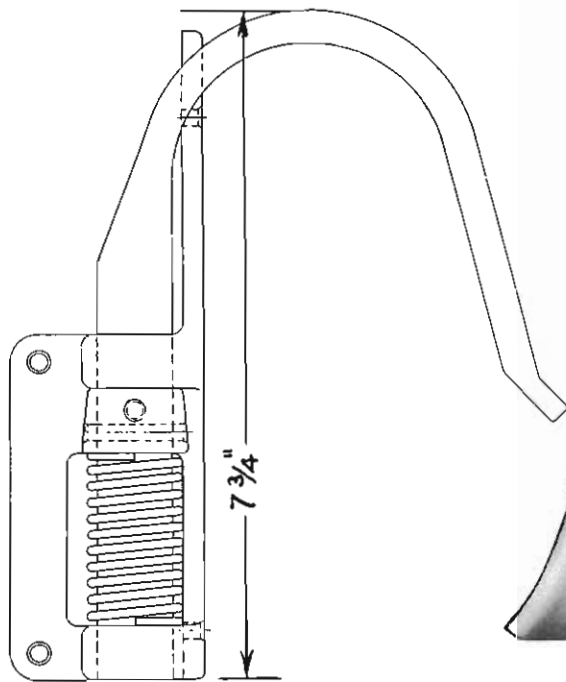
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# LADDER HOOKS

These ladder hooks are designed to enable ladders to be hooked over and supported by steel suspension strands for aerial cable. Outstanding feature is that, when not in use, the hooks may be instantly swung in 90° so that they are parallel to the plane of the rungs and pointing toward each other. In this manner, ladders may be safely and compactly carried by hand or by truck, yet be ready for immediate use on the job.

Hooks are formed hot from steel pipe and are annealed after forming for internal stress relief. Heavy phosphor bronze springs and a square manganese bronze collar holds the hooks firmly in either of the two positions. It is impossible to rotate the hooks by chance: downward pressure must be applied to release the hooks before rotation. The hooks will support a load of approximately 300 pounds each and are smoothly finished before cadmium plating.



**WEIGHT:** 1 3/4 pounds

**FINISH:** Steel parts Cadmium plated

**Catalog No.:** 7245

**Prices:** On application

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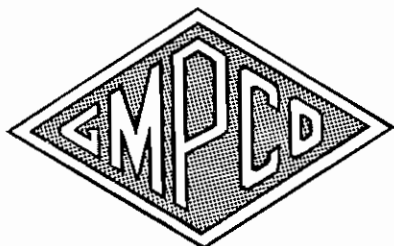
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# B

## DESICCANT INJECTOR



This handy injector, with aluminum body and brass fittings, is designed for use with the standard 160-gram desiccant can. Compressed air, applied to the tank valve, forces granules of desiccant from the can into cable joints with a minimum of effort and a maximum of speed. Weighing but two ounces and taking only a small amount of space, the injector saves time on the job.

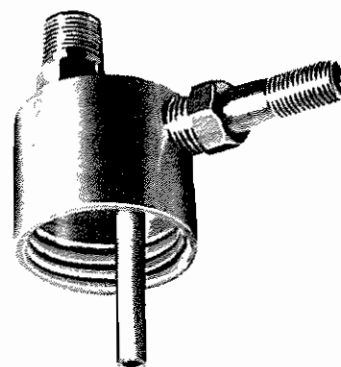
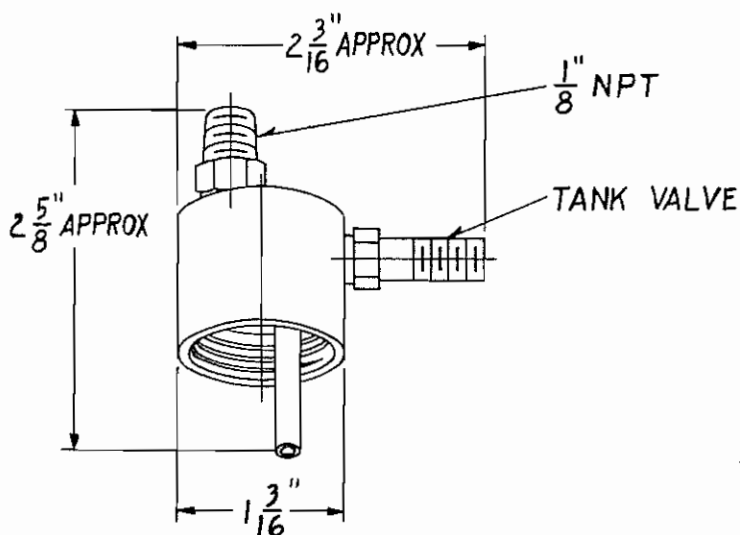
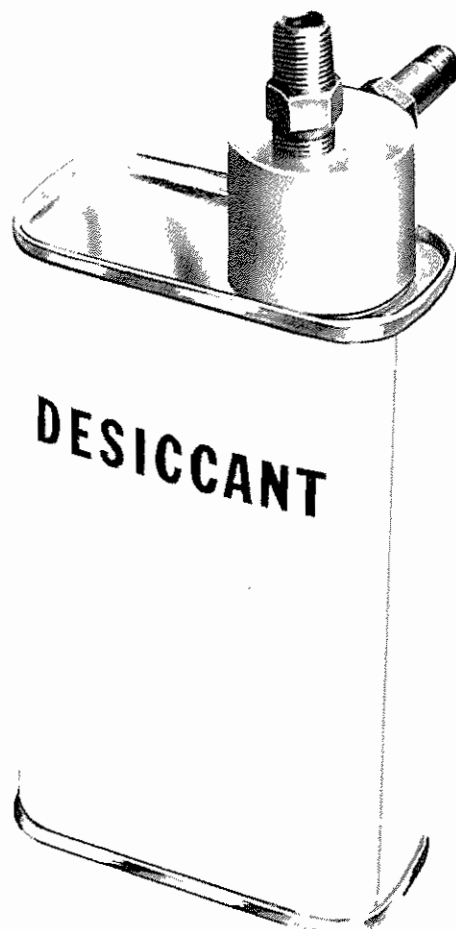
### SPECIFICATIONS

Weight: Approx. 2 ounces

Finish: Natural

Catalog No. 7361

Prices on request



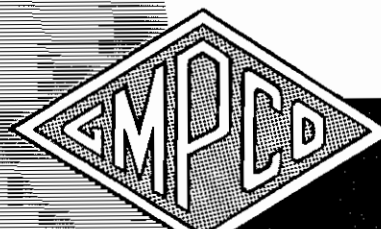
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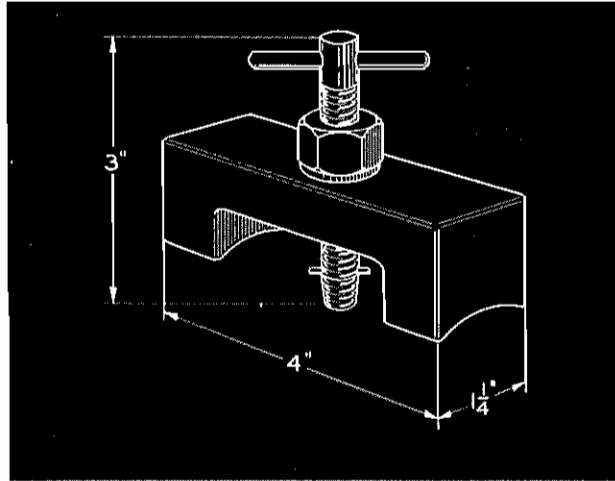
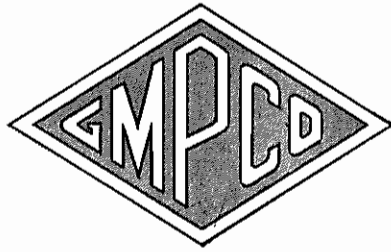
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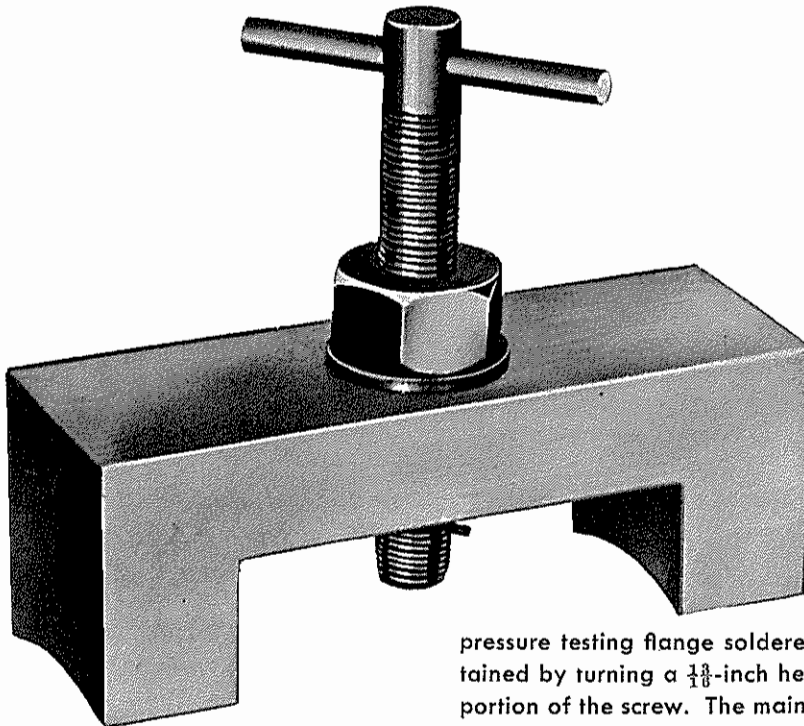
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# SHEATH LIFTER



The sheath lifter is for use in raising the sheath of lead-covered cable at pressure-testing valve locations to provide clearance between the sheath and core. It is intended for use on cables one inch in diameter and larger. It consists of an aluminum saddle and a lifting screw. The device is attached to the cable by means of a  $\frac{1}{8}$ -inch taper pipe thread on the end of the screw which engages a

pressure testing flange soldered to the sheath. Lifting action is obtained by turning a  $\frac{1}{8}$ -inch hexagonal nut on the straight threaded portion of the screw. The main casting is of aluminum and the screw is of hardened steel.

**WEIGHT:**  $\frac{1}{2}$ -pound.

**FINISH:** Steel parts have oil finish.

**Catalog No. 7147**

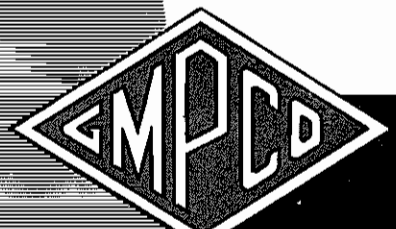
Prices on application.

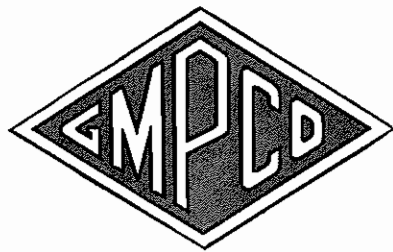
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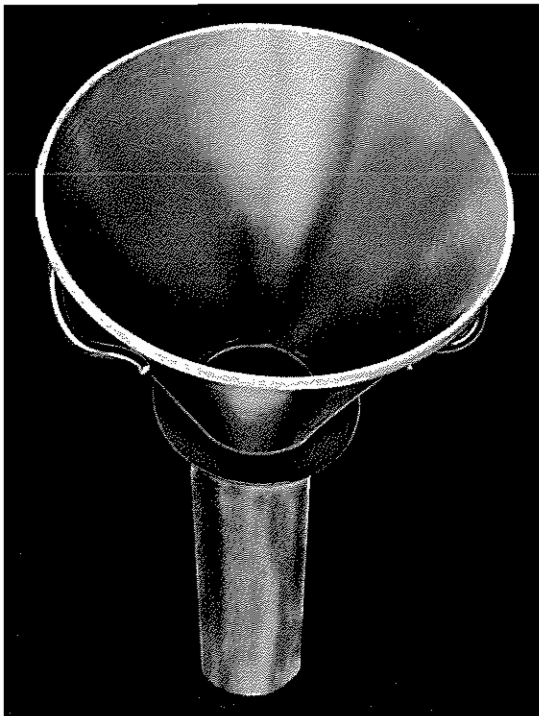
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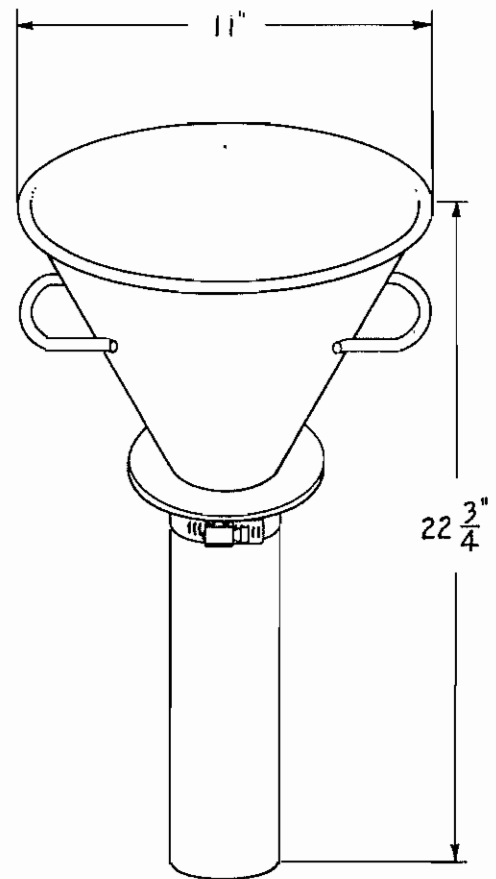




# B CABLE LUBRICATOR



Weight: 7 pounds  
Finish: Metal parts oiled  
Catalog No. 7287  
Prices on request



The B Cable Lubricator is for use in applying lubricant to underground cable by passing the cable directly through the lubricator. It consists of a sheet steel funnel for holding the lubricant, a flexible leather tube for spreading and controlling the amount of lubricant applied, and a hose clamp for attaching the tube to the funnel. The funnel is equipped with two handles. Use of this device is the most effective method of spreading lubricant evenly over an entire length of cable.

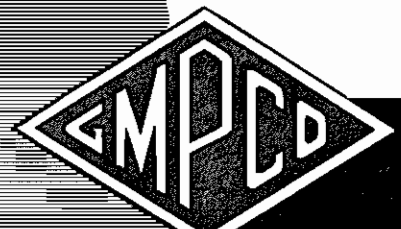
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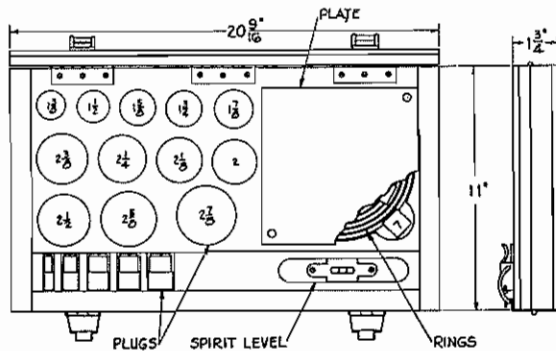
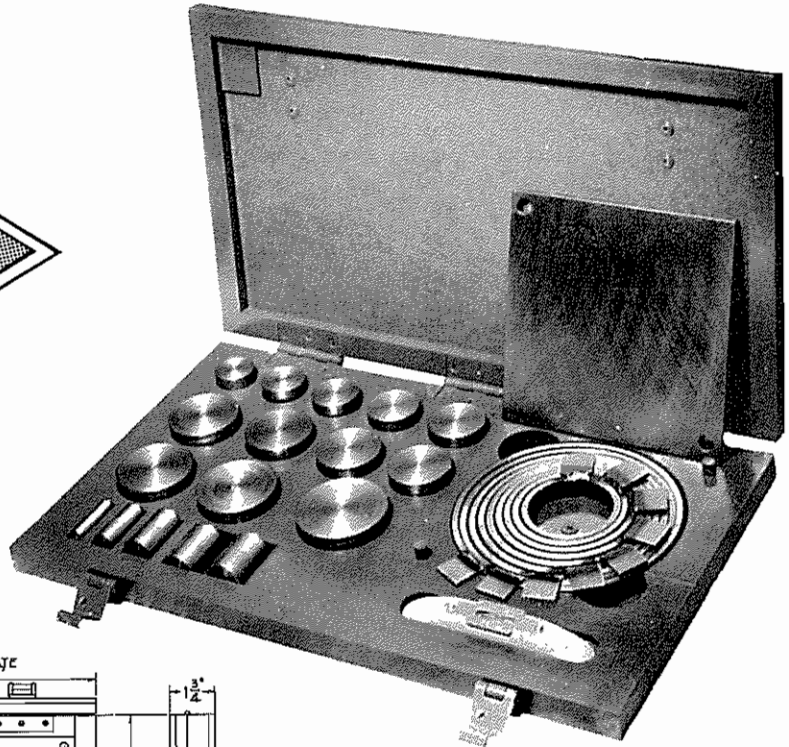
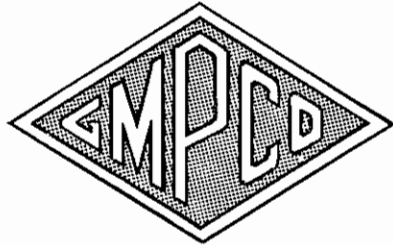
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# B END PLATE MOLD



The B End Plate Mold, consisting of 17 sizes of steel plugs, 9 sizes of steel rings, a 7" x 7" steel plate, finish-ground on both sides, a small spirit level and a wooden carrying case, is for use in casting lead end plates for use in making wiped plate joints in cable splices.

The sizes for the plugs and rings correspond to their outside diameters and indicate the cable opening in the end plates and the minimum size of lead sleeve for the end plates, respectively.

Sizes are as follows:

Plugs— $\frac{1}{2}$ ",  $\frac{3}{4}$ ", 1",  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ ",  $1\frac{3}{8}$ ",  $1\frac{1}{2}$ ",  $1\frac{5}{8}$ ",  $1\frac{3}{4}$ ",  $1\frac{7}{8}$ ", 2",  $2\frac{1}{8}$ ",  $2\frac{1}{4}$ ",  $2\frac{3}{8}$ ",  $2\frac{1}{2}$ ",  $2\frac{5}{8}$ " and  $2\frac{7}{8}$ ".

Rings—3",  $3\frac{1}{2}$ ", 4",  $4\frac{1}{2}$ ", 5",  $5\frac{1}{2}$ ", 6",  $6\frac{1}{2}$ " and 7".

## SPECIFICATIONS

**Weight:** 30 pounds

**Finish:** Plugs, rings and plate: oiled  
Carrying case: painted green

**Marking:** Size designation on plugs and rings

**Replacement Parts:** Plugs, rings and plate can be ordered separately

**Catalog No. 7292**

**Prices on request**

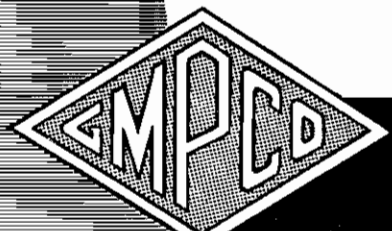
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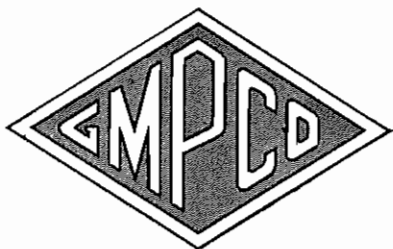
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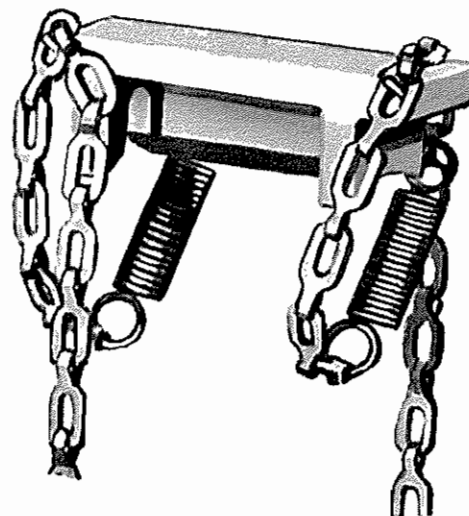
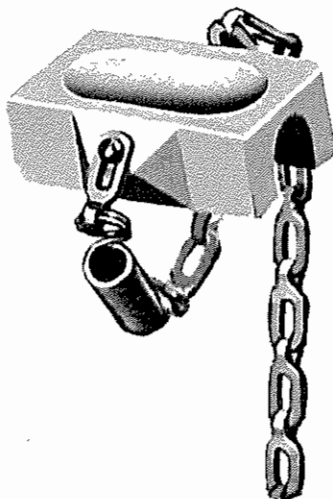
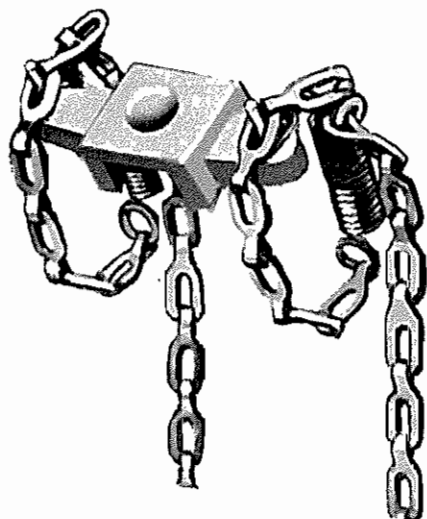
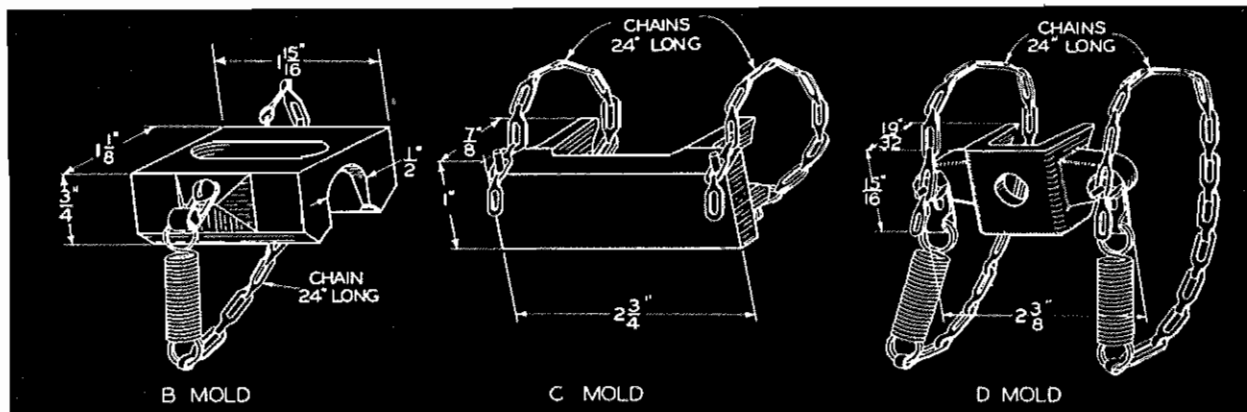
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# SOLDERING MOLDS



These molds are for use in pressure-testing work for soldering lead pipe connections and valves to lead-covered cable. The B mold is for soldering the lead pipe connections on the top surface of cables and the C and D molds are for soldering the lead pipe connections and valves, respectively, on the sides of cables. The bases of the B and D molds are curved to fit 1-1 1/2-inch diameter cable and the base of the C mold is curved to fit 1-inch diameter cable. Each type consists of a mold proper having an adjustable spring and chain assembly for securing it to the cable during the soldering operation. The molds are of cast aluminum; chains are rust proofed steel.

The C and D molds are new items and are efficient time-saving devices, assuring a clean, tight job.

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**WEIGHT:** Approximately 3 ounces.

**FINISH:** Steel parts oiled.

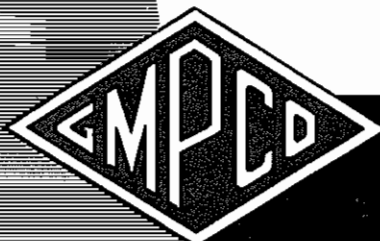
**Catalog No. 7132**

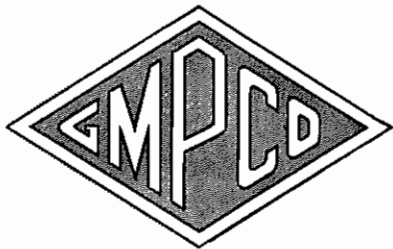
Prices on application

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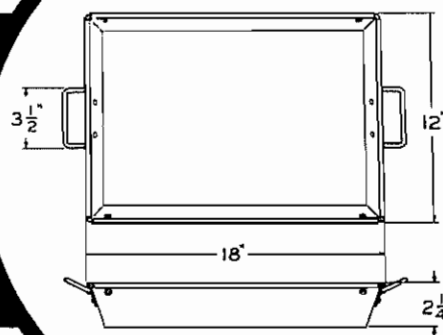
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## SOLDER PAN



This lightweight sheet-steel pan is made for catching solder drippings when wiping joints in cable splicing operations. The pan has folded corners, a folding loop handle at each end and is provided with eyelets near each corner for safely suspending the pan under the cable.

**WEIGHT:** 2- $\frac{1}{4}$  pounds.

**FINISH:** Natural finish, oiled.

**Catalog No. 6877**

Prices on application.

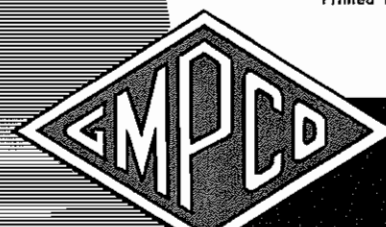
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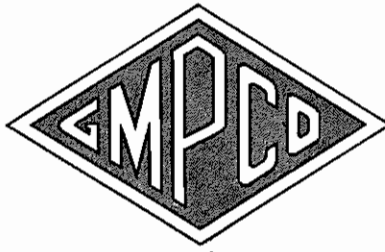
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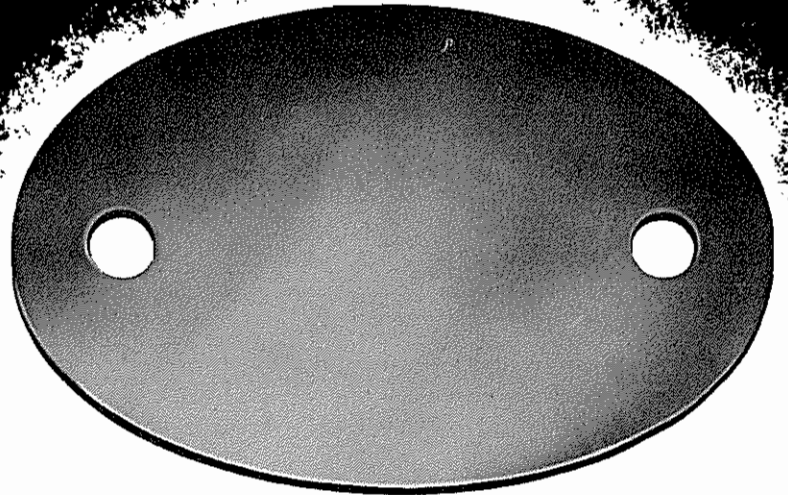
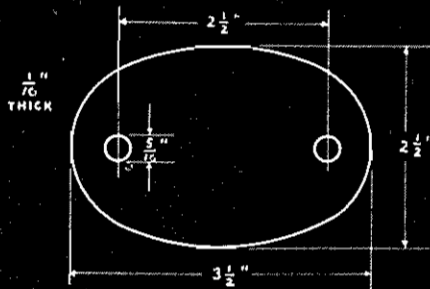
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# CABLE LOCATION NUMBER PLATE



The Cable Location Number Plate is of 1/16" solid copper, drilled for easy attaching to telephone poles for location numbering. Numbers can be easily stamped before or after attaching. They can be ordered in any quantity and/or in lots of 100. Dimensions are shown on diagram above.

**Weight:** Approx. 18 pounds per 100  
**Finish:** Natural  
**Catalog No.** 6216  
**Prices on request**

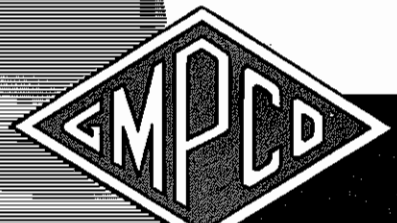
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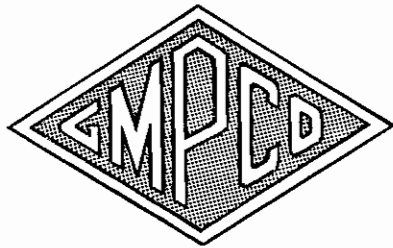
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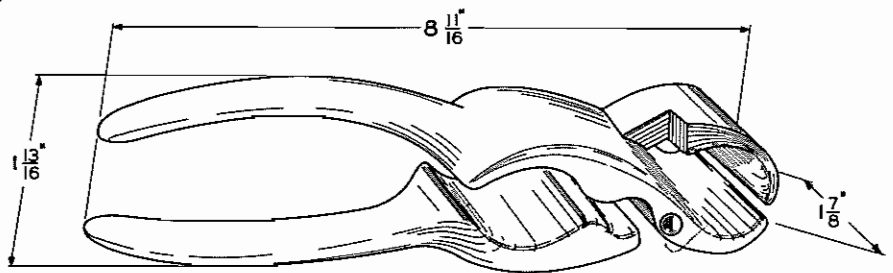
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## B CABLE PLIERS



These specially-designed pliers are made of malleable iron and are designed for both opening and closing cable sheaths in all sizes from  $\frac{1}{2}$  inch to  $1\frac{1}{2}$  inch diameters. New rounded edges on the openings and the ends of the jaws protect the soft cable from harm. After the cable has been slit, the jaws of the pliers are used to lay the cable open to any desired width for easier repairing of conductors. Three openings of different sizes and contours are provided for closing the cable again after repairs are completed.

### SPECIFICATIONS

Weight: Approx. 2 pounds

Finish: Cadmium plated

Catalog No. 7020

Prices on request

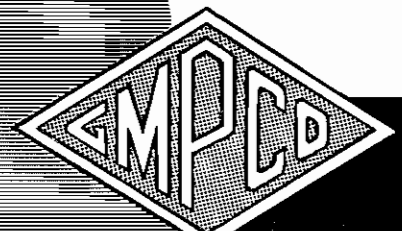
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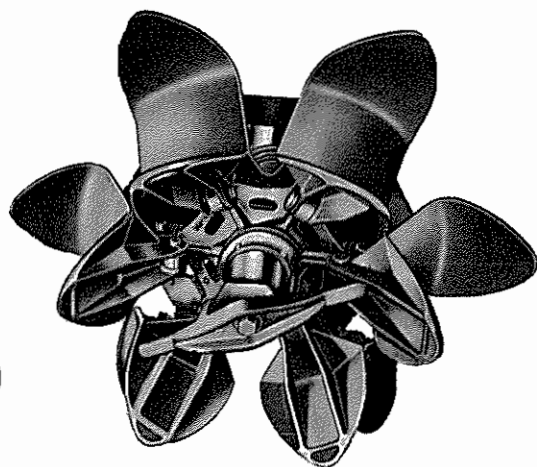
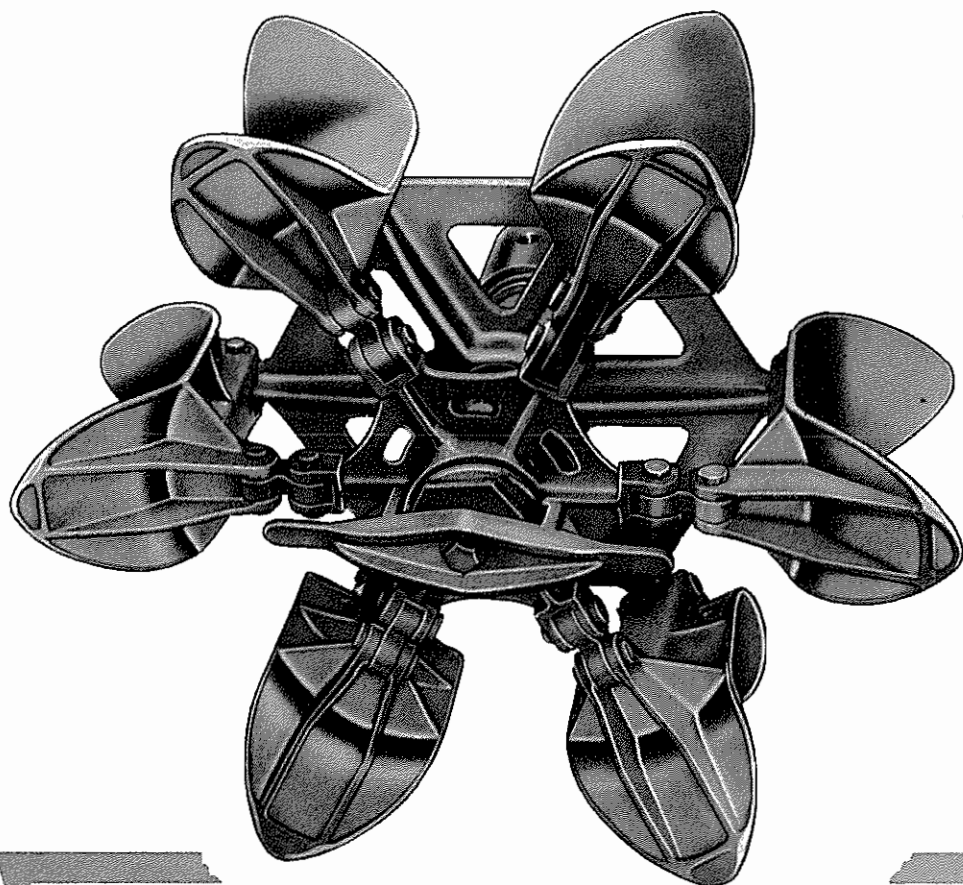
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**ANNOUNCE TYPE CR**

**COLLAPSIBLE POWER REEL**

**LIGHT WEIGHT - HEAVY DUTY**

Rapid, simple operation by telephone, telegraph, power and utility companies is assured with this collapsible power reel. It is constructed of light-weight alloys for easy one-man operation. The reel is designed for mounting on the extending winch shaft on line-construction trucks, and may be used for rewinding as well as stringing wire and cable of small diameters.

Mounting and removal of wire is easily accomplished by a half-twist of the cast-steel locking member on the outside end of the shaft, which collapses the movable segments, allowing the removal or mounting of coil of wire. Its light weight (62 lbs.) means easy mounting and dismounting . . . no loss of time on the job.

Spindle and shaft are of seamless carbon steel tubing. The fixed spider, yokes and segments are heat-treated aluminum alloy for added lightness. Sliding spider and locking member are of special cast steel. All segments are integrally cast for greater strength; all points of strain are specially reinforced. Enameled in Utility Red automobile finish.

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Length of spindle . . . . . 17"

Diameter of reel, expanded . . 28"

Diameter of reel, contracted . . 18 3/4"

Inside diameter of reel . . . . . 20"

Diameter of Winch Shaft . . . 2 7/16"

Weight . . . . . 62 lbs.

Standard finish . . . . . Utility Red

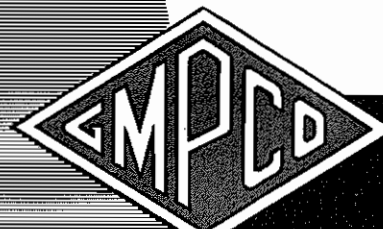
Catalog No. . . . . 176-A-80

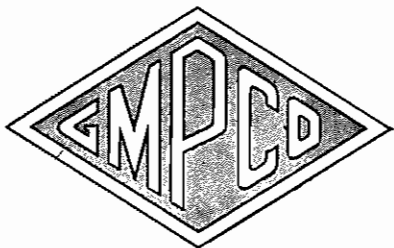
Prices: On application

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# COLLAPSIBLE WIRE REEL

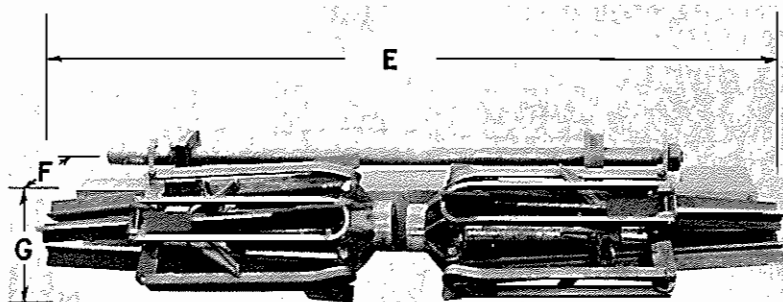
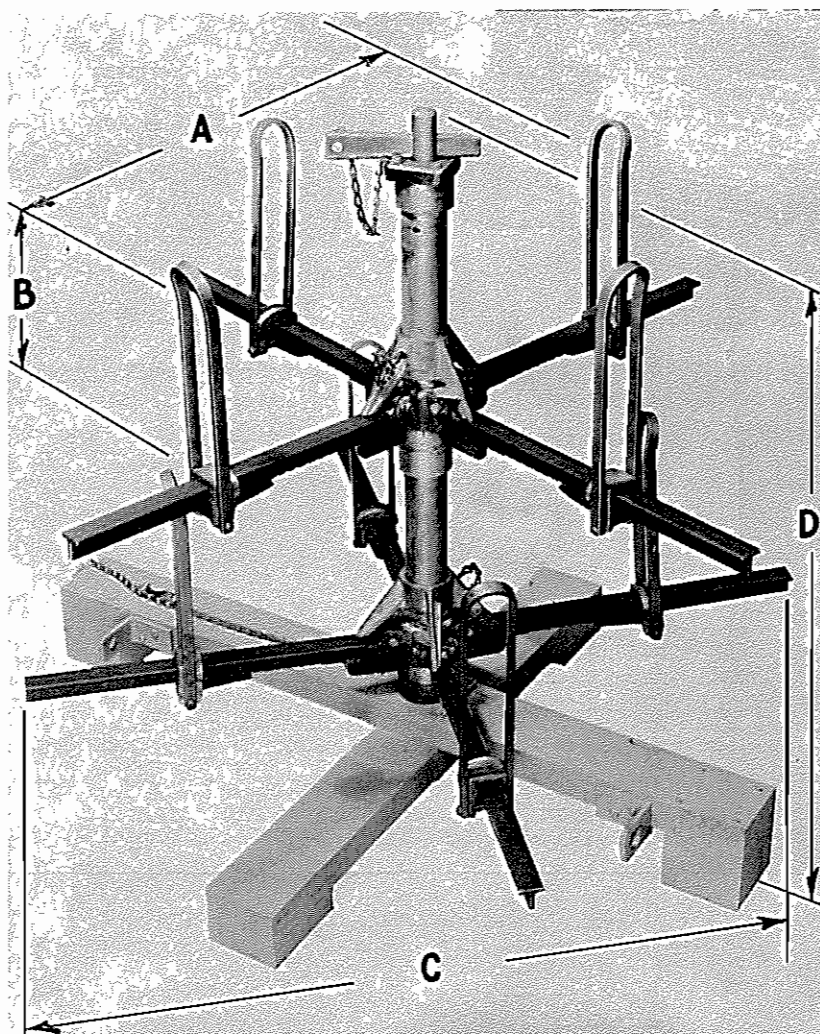
This collapsible wire reel for open wiring provides complete portability in the field plus maximum space saving on the truck. It is made in three sections: solid oak collapsible base 38 inches square for firm support, lower section of reel and upper section of reel. Reels are formed of T section steel for rigidity plus lightness. Ratchets on the under side of the T sections allow for variations in reel diameter from 15 1/2" to 23 1/2", and the wire may be reeled into a coil up to 8" thick. Steel cotter pins keep the reel sections in place, and a steel key wedge, fitted through the slotted upper section of the shaft, holds the section firmly until reeling is completed. Beneath the wedge is a fiber-faced square steel plate which provides easily adjustable friction to prevent over-running of the reels. This key wedge also serves to lock the two halves of the oak base together when the reel is folded. Main shaft is mounted on the side of the base section when in folded position. The whole device, when folded for storage occupies a space only 36" x 10 1/2" x 7".

**Weight**—approximately 63 lbs.

**Finish**—oiled. Base painted gray.

**Catalog No.** 141-A-48.

**Price** on application.



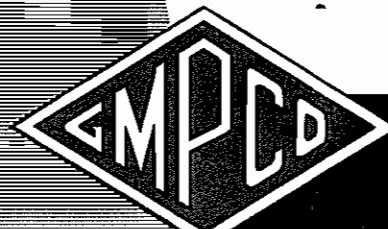
- A—Minimum 15 1/2"  
Maximum 23 1/2"
- B—8"
- C—34 1/2"
- D—31"
- E—36"
- F—7"
- G—10 1/2"

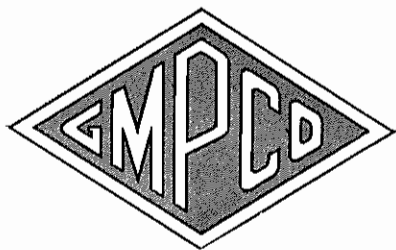
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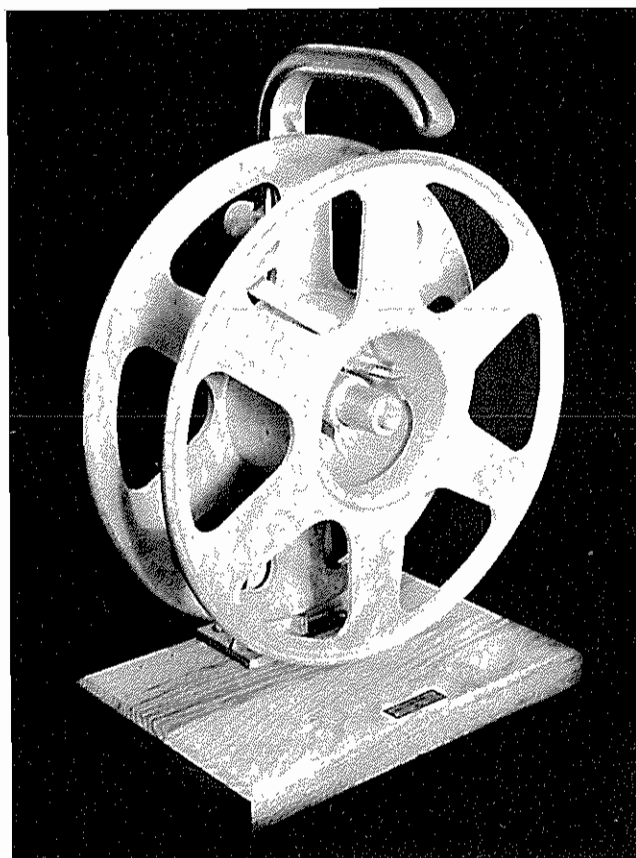
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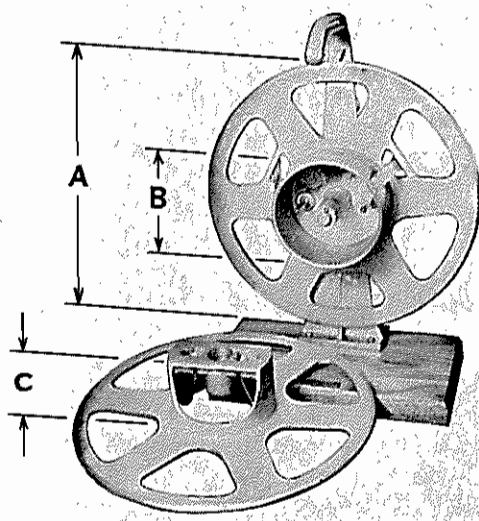


## TERMINAL WIRE REEL

The terminal wire reel is a portable, efficient reel used in the terminal room for paying out or re-reeling standard interior wiring. Made entirely of heat treated aluminum alloy, it weighs only 18 lbs. and is equipped with a sturdy handle at the top for easy carrying. A fool-proof spring device allows the outer half of the reel to be disengaged quickly so that the completed reel of wire may be removed and the reel readied for the next job of paying out or re-reeling. The two flanges may be adjusted by this spring device to vary the inside width of the reel from a minimum of  $3\frac{3}{8}$ " to a maximum of  $4\frac{7}{8}$ ". Three flat springs are fastened to the core of the reel to facilitate removal of the finished coil of wire. To prevent over-running,



the reel is equipped with an automatic brake, the tension of which is easily adjustable. A  $1\frac{1}{4}$ " solid oak base comes with non-skid rubber washers for floor use. Reel may also be used by mounting on either a wall or side of truck. Two mounting holes in the back of the reel,  $8\frac{1}{2}$ " center to center, are tapped for this purpose. Overall dimensions are  $21\frac{3}{8}$ " x  $16$ " x  $9$ ".



A.....  $16$ "  
B.....  $6\frac{1}{8}$ "  
C.....  $4\frac{1}{4}$ "

**Weight**—Approximately 18 lbs.

**Finish**—Bright Aluminum

**Catalog No.** 8047

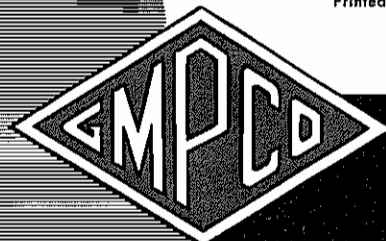
**Prices** on application

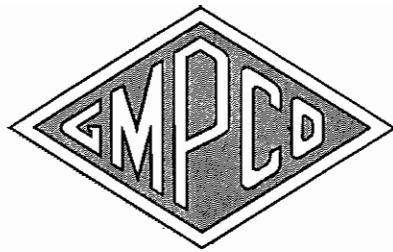
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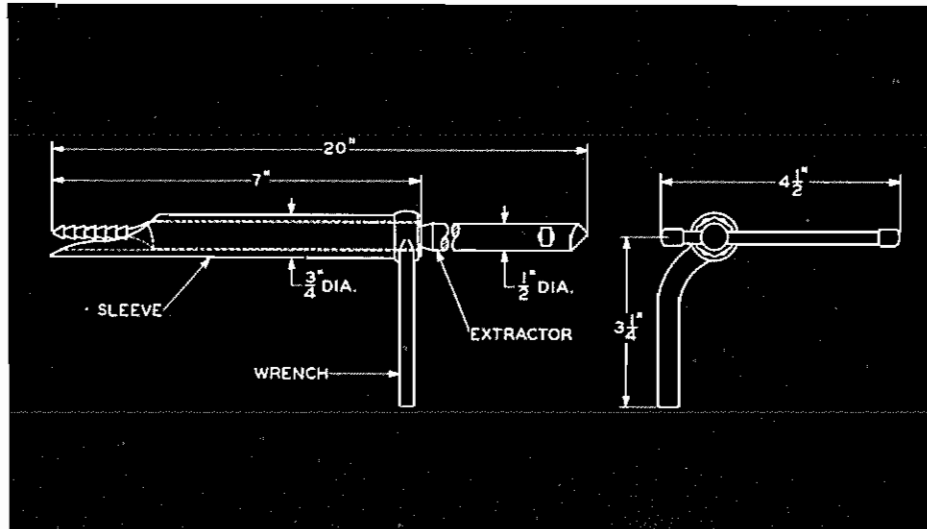
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# SPLIT CONDUIT PLUG REMOVER



This tool is provided for removing the split rubber conduit plugs from ducts of underground conduit. It consists of three hardened steel parts: the extractor, sleeve and wrench. One end of the extractor is an eccentric grooved tip for engaging the bolt hole of the rubber plug; the other end is provided with a T-handle for turning the eccentric tip to compress the rubber between the bolt hole and the edge of the plug and for removing the plug. The handle end of the extractor is also pointed eccentrically to indicate the position of the tip. Near the center of the ex-

tractor, an annular groove is provided as a depth gauge to indicate the proper depth for installing the extractor. One end of the tubular sleeve forms a tongue so shaped that it may be readily forced between the plug and the corner of the duct wall. The other end of the sleeve is shaped to form a hexagonal nut so that the position of the sleeve may be controlled by means of the box wrench when the extractor is rotated through 180 degrees; thereby compressing and clamping the rubber between the tip of the extractor and the tongue of the sleeve. All contact bearing surfaces are hardened.

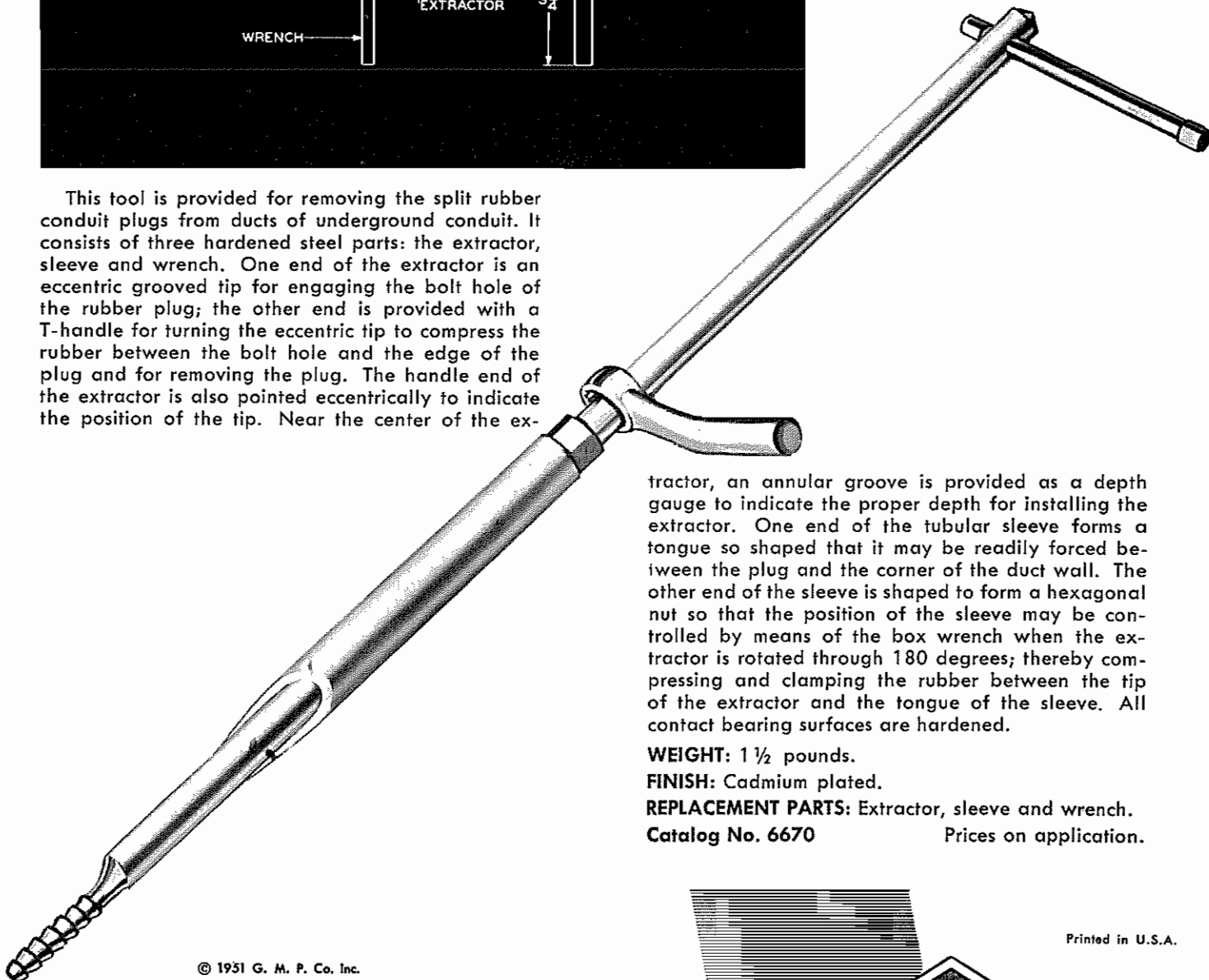
**WEIGHT:** 1 1/2 pounds.

**FINISH:** Cadmium plated.

**REPLACEMENT PARTS:** Extractor, sleeve and wrench.

**Catalog No. 6670**

Prices on application.

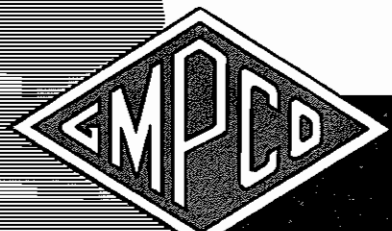


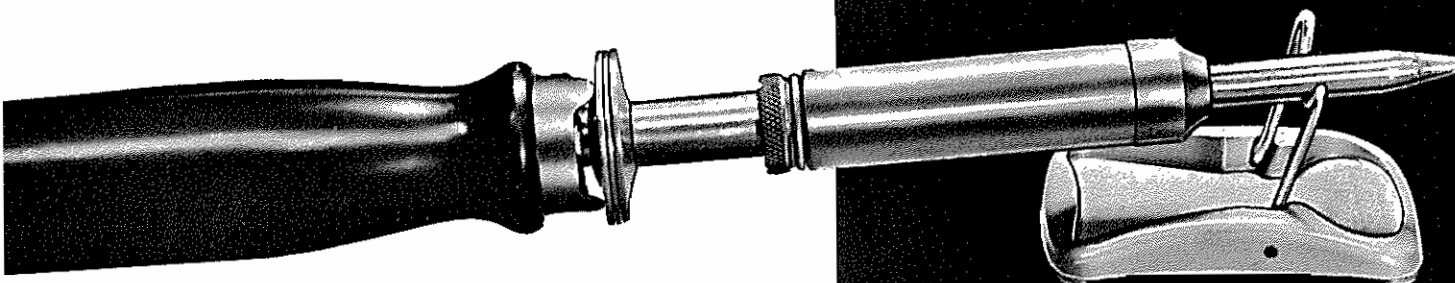
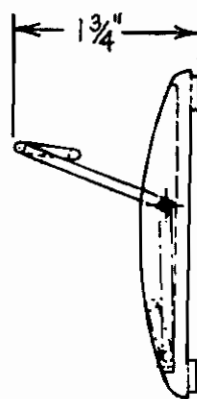
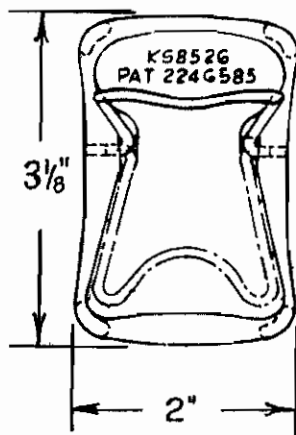
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# FOLDING SOLDERING COPPER REST

This patented, fireproof device consists of a molded plastic base with a stainless steel wire stand which flips up to hold a soldering copper safely and handily away from table or work bench. The stainless steel wire is correctly tensioned in the base so that it will remain in either upright or closed position. With the wire stand folded down, the rest takes up a minimum of room and is therefore more apt to be carried and used on the job.

**WEIGHT:** 1 oz.

**FINISH:** Special heat-proof Aluminum finish

**Catalog No.:** 8526

**Prices:** On application

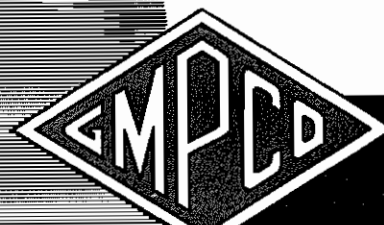
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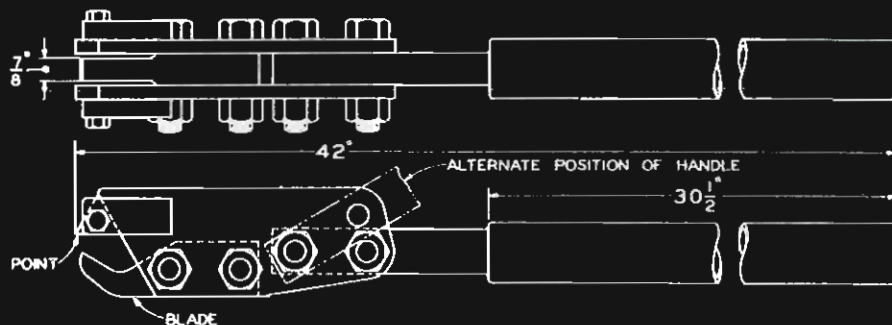
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# PIPE RIPPER



This hand-operated pipe ripper has been re-designed to efficiently cut a longitudinal slot in pipe used as a conduit for cable, preparatory to removing the pipe from the cable. The tool consists of a hardened steel cutting blade for cutting the lengthwise strip of metal, two bearing points which serve as the pivot for the cutting action on the pipe, and a tubular handle. The removable blades are of heat-treated tool steel and have two cutting edges, instead of earlier models having a fixed blade with only a single cutting edge.

The heat-treated tool steel bearing points are triangular in shape, so that three individual cutting edges are available by rotating their position. Tubular handle is designed to be attached to the head in two different positions, as shown in the diagram. For greater leverage, a bar may be inserted in the tubular handle. Less space is now required between cable and pipe than was necessary in earlier models of the pipe ripper, allowing effective use of the ripper in restricted areas.

**WEIGHT:** 18 pounds.

**FINISH:** Oiled.

**REPLACEMENT PARTS:** Blades and Points.

**Catalog No. 7044**

Prices on request.



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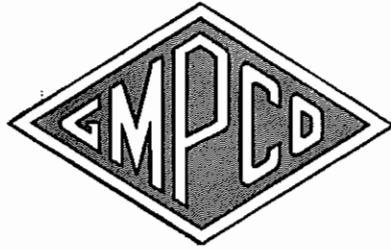
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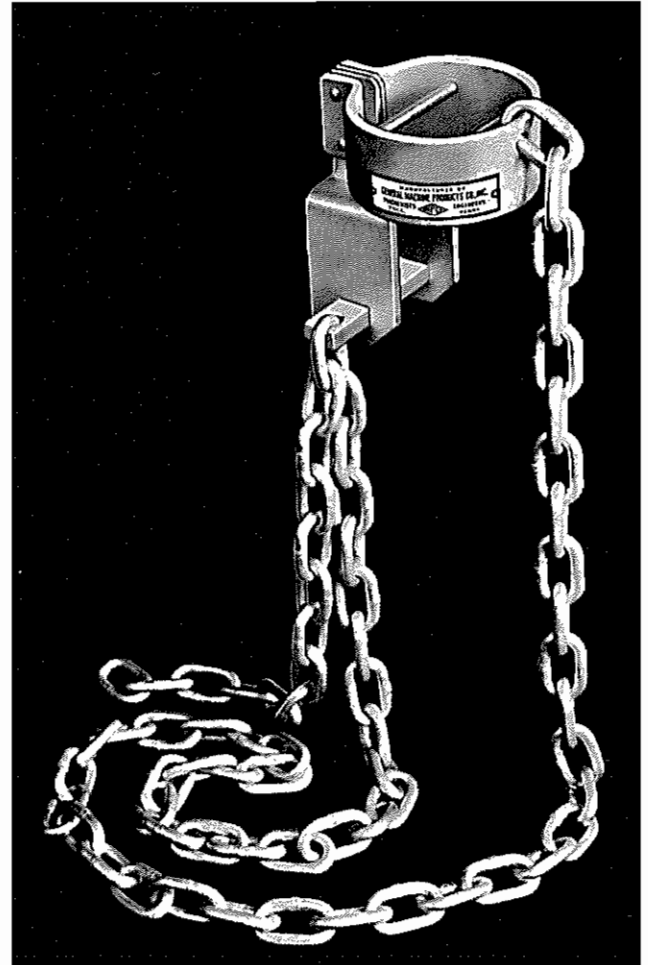
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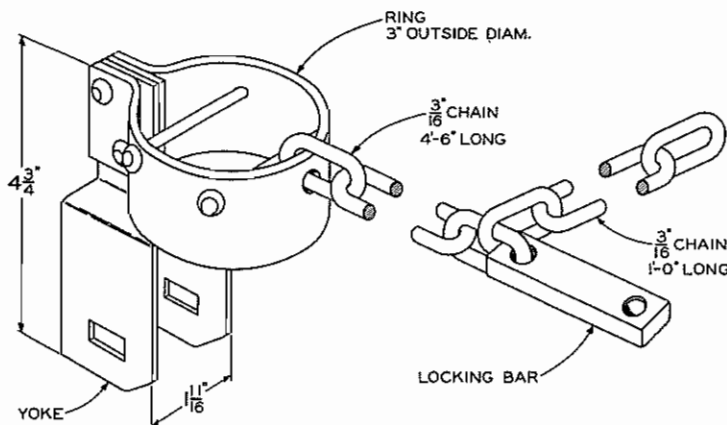




# TYPE B PRESSURE REGULATOR SHACKLE



This shackle is a locking device to prevent tampering with gas cylinders and pressure-testing regulators when they are left in the field unattended. It consists of a steel ring and yoke for enclosing the handwheel of the cylinder valve and the connector nut of the regulator. The ring is provided with a 4½ foot length of steel chain to which a locking bar is attached at an intermediate position. This steel bar serves as a shackle pin for securing the ring and yoke in position with a padlock. The loop of chain permits securing the cylinder to a pole or other fixed object and the short length of chain beyond the locking bar is to lock the high pressure gauge of the regulator to the shackle.



**Weight:** 3 ½ pounds  
**Finish:** Hot-dip galvanized after assembly  
**Catalog No.** 6934  
**Prices on request.**

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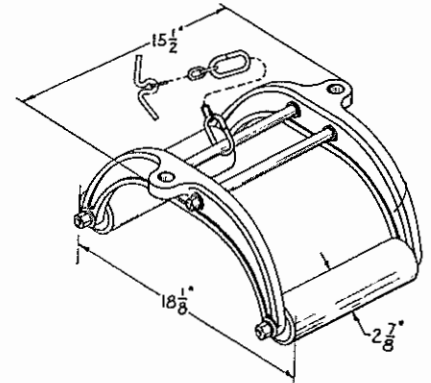
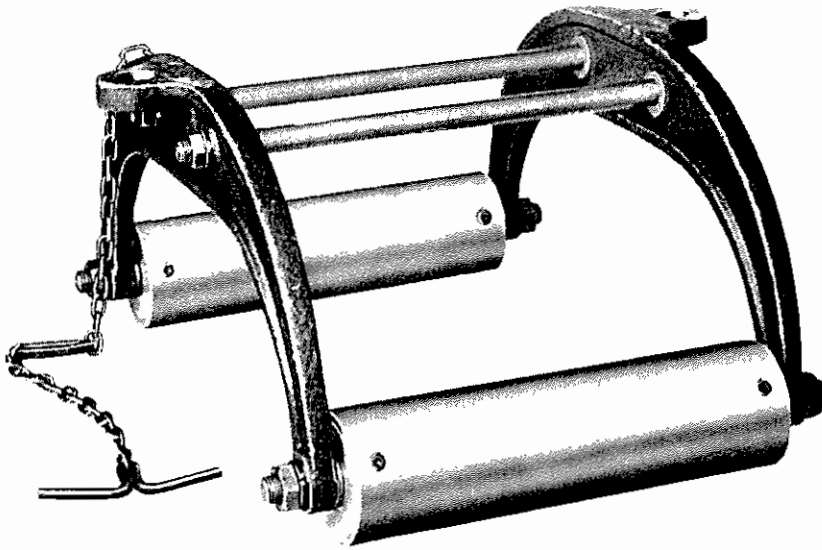
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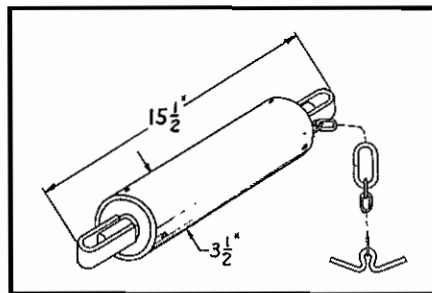
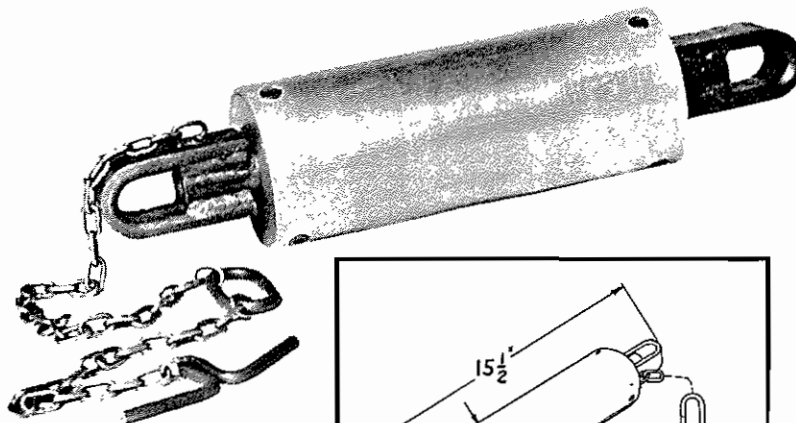




# B STRAND SHIFTER



# C STRAND SHIFTER



These convenient tools are for use in raising and lowering strand-supporting cable at corner poles. The B Strand Shifter, for use where the pull is toward a corner pole, consists of two aluminum rollers mounted in an arched steel frame having brackets to receive connecting bolts. The C Strand Shifter, for use where the pull is away from the corner pole, consists of a single aluminum roller mounted on a shaft having loops at each end to receive connecting bolts. Both tools are equipped with safety chains for temporarily attaching the tool to the steel strand.

## SPECIFICATIONS

Weight: B Strand Shifter—24 lbs.

C Strand Shifter—11 lbs.

Finish: Steel parts oiled.

Catalog No. 7322—Specify B or C.

Prices on request

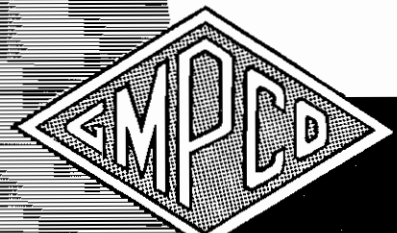
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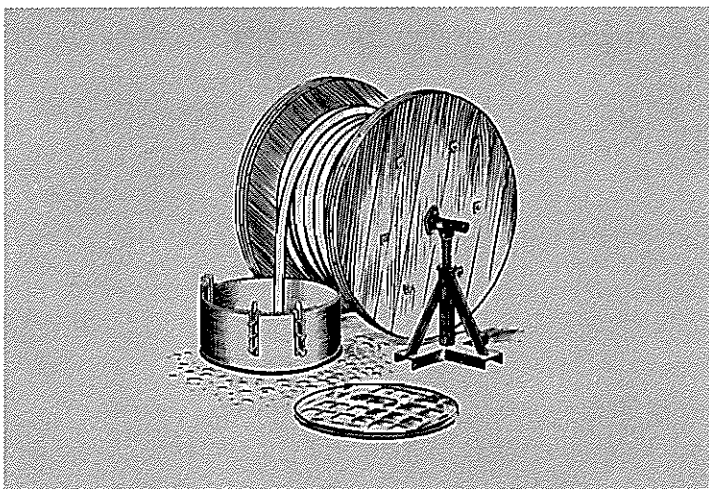
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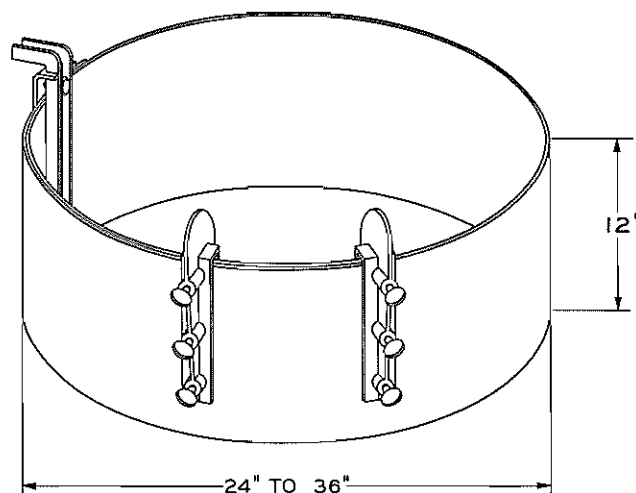
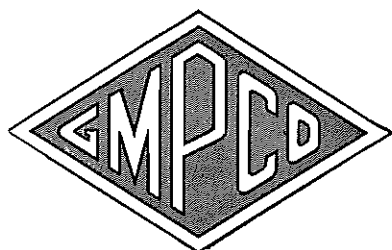
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# ADJUSTABLE MANHOLE SHIELD



This shield is for use around open manholes to exclude surface water and dirt. It is designed to fit circular manhole cover seats from 24 to 36 inches in diameter. The shield is made of sheet steel and is provided with clamps by which it may be quickly adjusted to fit the various diameters of manhole frames. It is often sealed with plaster of paris at the bottom edge, providing an effective and easily-cleaned seal. New features are a new end-clamp which replaces the rider clamp formerly used to hold the end of the shield in place, and an electro-plated cadmium finish added to the thumb screws.

**Weight:** Approx. 45 pounds

**Finish:** Bright red enamel

**Catalog No.** 6932

**Prices on request**

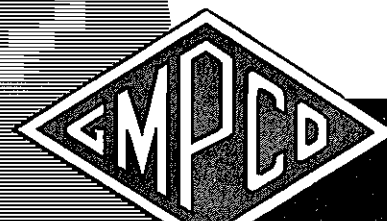
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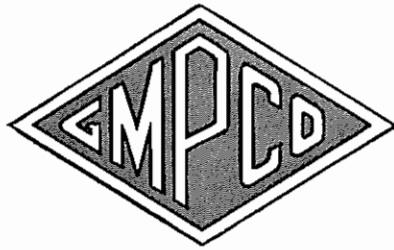
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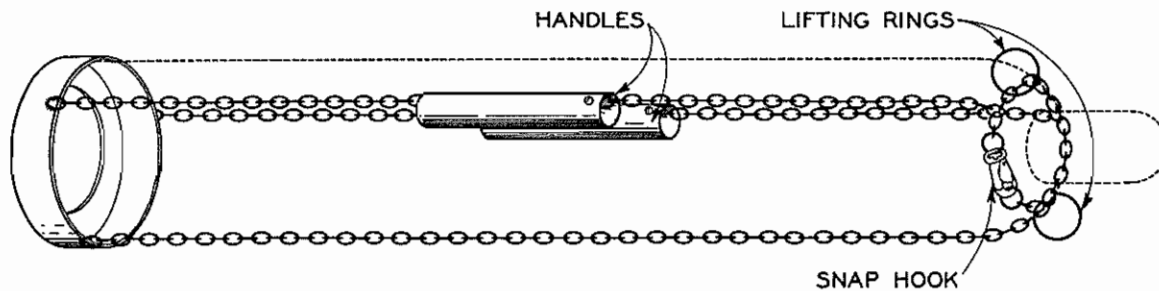
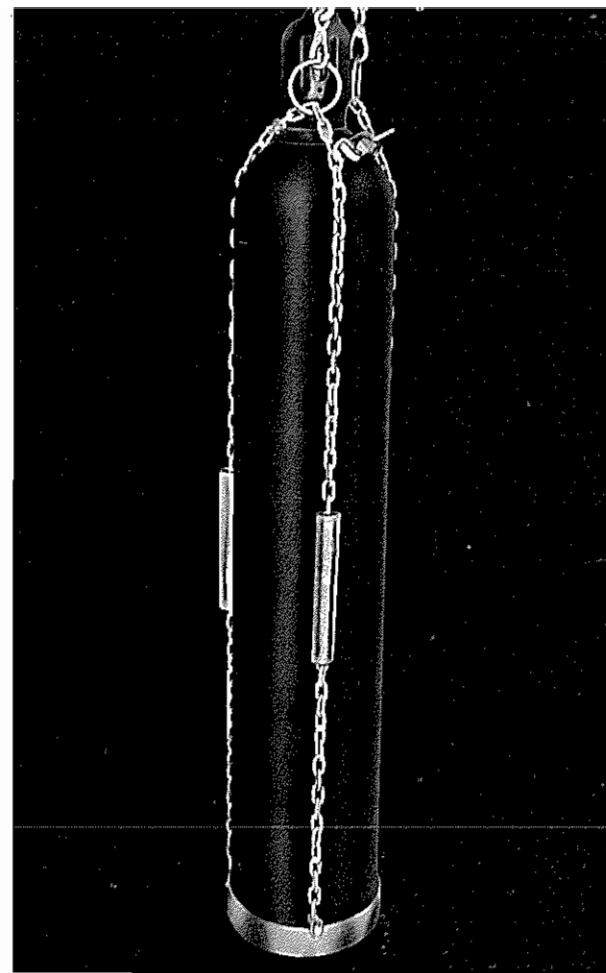
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# B GAS CYLINDER SLING



The B gas cylinder sling is for hoisting and transporting 200-cubic foot cylinders of nitrogen or other gas. It consists of a flanged bottom, to receive the lower end of the gas cylinder, attached to three chains which terminate in a loop for securing the sling at the top of the cylinder. The loop is closed by means of a snap hook. Two rings at the top facilitate hoisting or suspending the cylinder, and hand grasps on two of the chains afford a means of carrying the cylinder in a horizontal position. Ease and speed of handling of unwieldy cylinders is assured by this B gas cylinder sling.

**Weight:** 15 pounds

**Finish:** Hot-dip galvanized after assembly

**Catalog No.** 7264

**Prices on request**

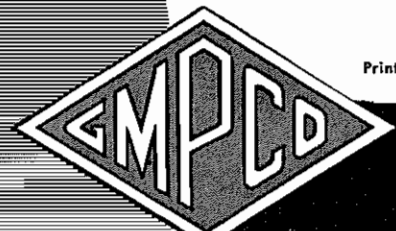
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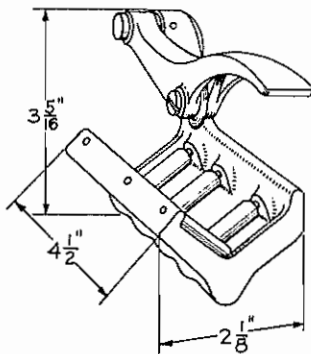
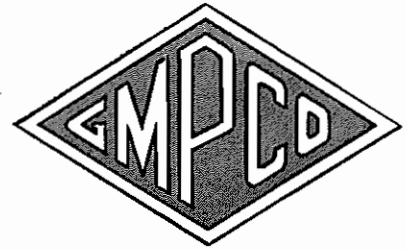
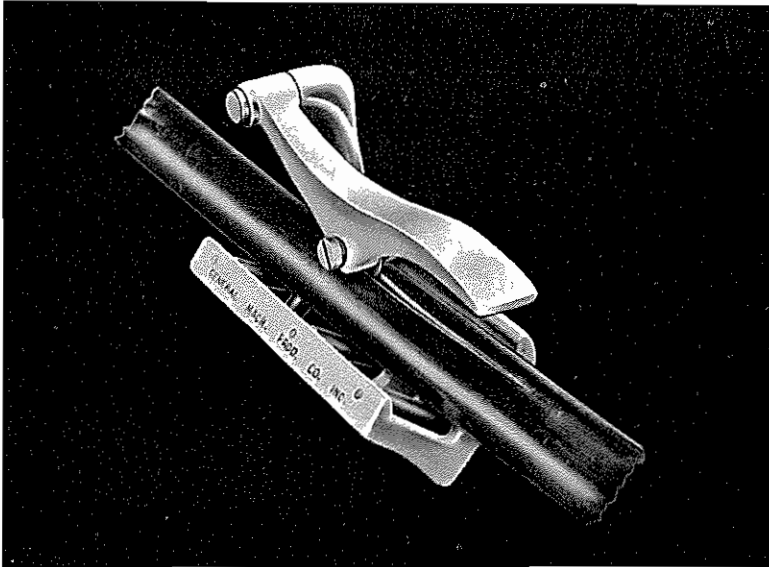
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## B CABLE SHEATH SLITTER

The B Cable Sheath Slitter is for longitudinally slitting the sheath of cables from  $\frac{1}{2}$  to  $1\frac{1}{2}$  inches in diameter. It consists of a V-shaped frame of heat-treated aluminum alloy casting. On the frame are mounted six oilite-bearing rollers and a hinged handle with a disc cutter. The cutting wheel, of hardened tool steel, may be quickly replaced by removing only one screw.

**Weight:** Approx.  $\frac{3}{4}$  pound

**Finish:** Natural aluminum

**Catalog No. 7273**

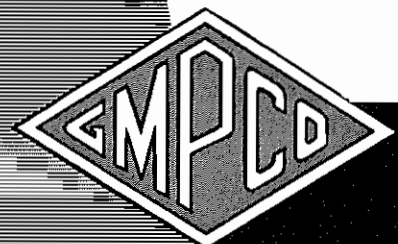
**Prices on request**

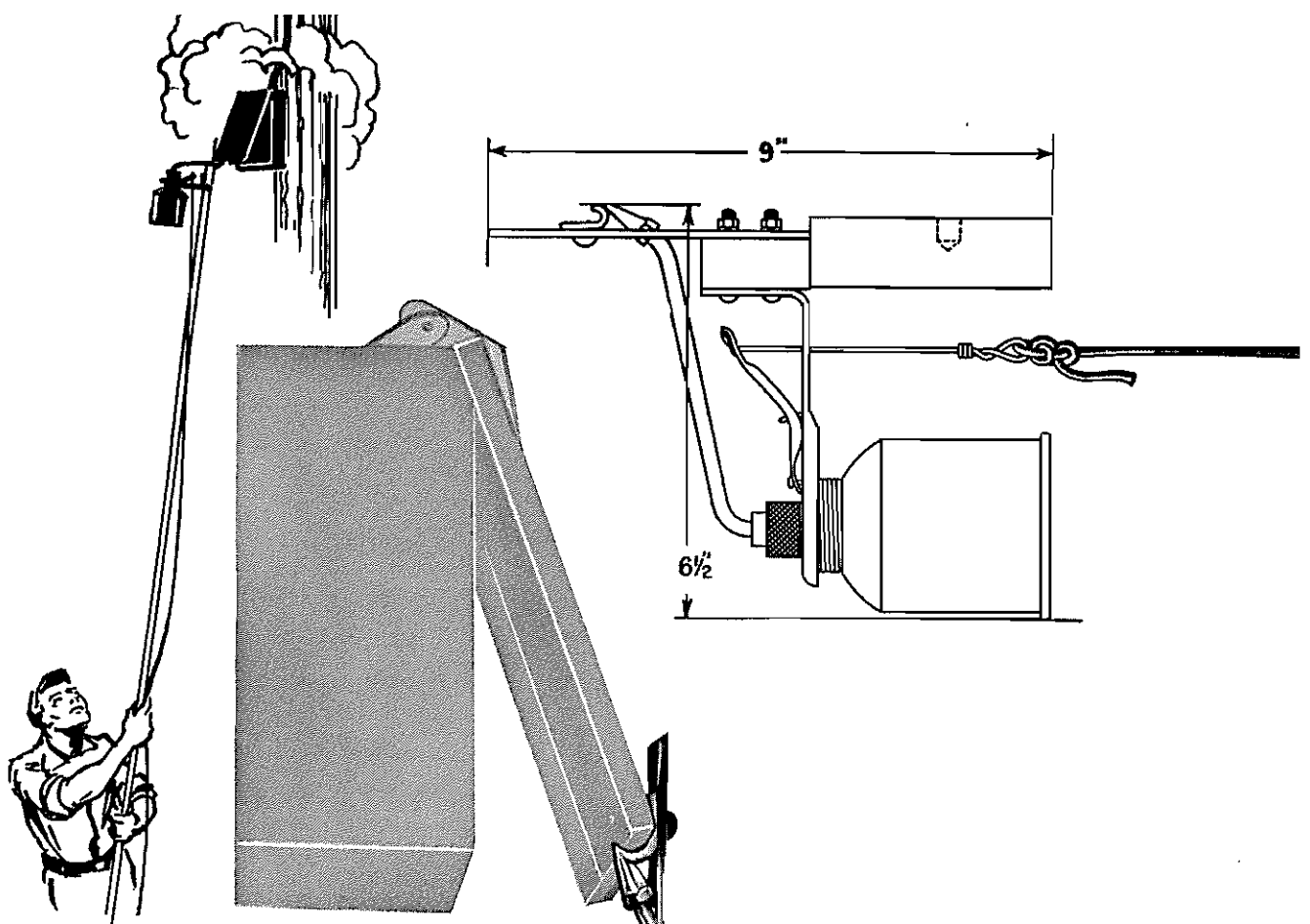
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# INSECTICIDE SPRAYER

Provides a uniquely safe method of applying insecticide to the interior of aerial cable terminals. Hornets, wasps, yellow jackets, bees and other stinging insects can be easily and quickly eliminated from terminal boxes or similar places without danger or inconvenience, so that work may proceed without interruption or time loss.

The sprayer consists of a 3/4-pint pressure oiler mounted on a wooden member and fitted with a cold rolled steel blade with a hook for easy opening of the terminal covers. The wooden member, of hard maple, fits the socket end of a standard tree pruner handle extension section. Eighteen feet of braided cord is attached to the pump lever for operating the sprayer from the ground.

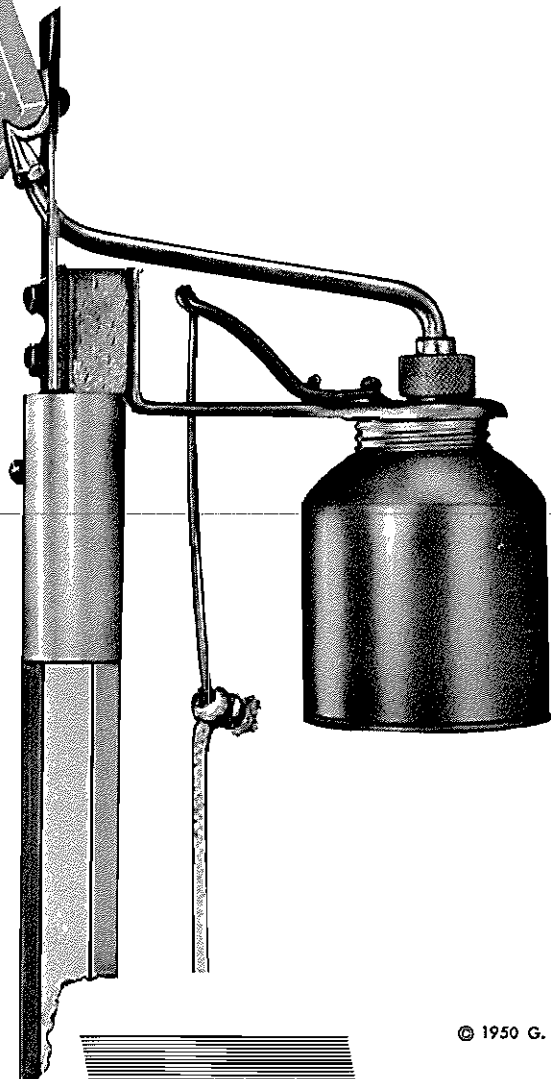
In operation, the hook releases the cover of the terminal box which is opened just enough to insert the nozzle of the sprayer (about 1/2 inch). A new and important addition is the diffusing nozzle which completely vaporizes the insecticide. The vapor spreads quickly to all corners and is more toxic in its action, although actually less of the insecticide is used. An added safety feature is the elimination of the danger of any insecticide dropping on the operator's face.

**WEIGHT:** Approximately 1 1/2 pounds

**SPRAYER:** Copper-plated

**Catalog No.:** 6975

**Prices:** On application

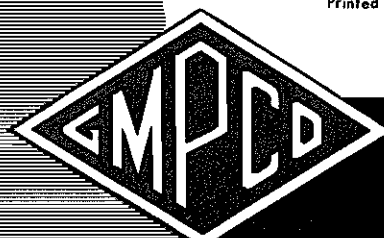


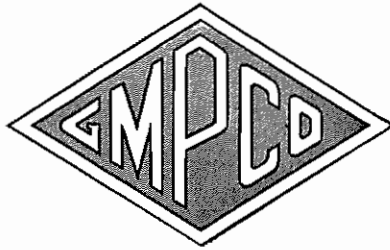
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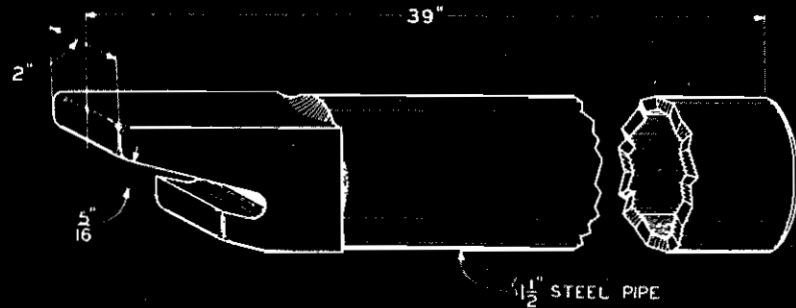
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## PIPE SPREADER



The pipe spreader quickly and easily enlarges the slot produced by the pipe ripper in order to facilitate the removal of conduit from a cable. The hardened steel fork engages the edges of the pipe wall at the slot. The handle is made of 1 1/2" steel pipe for lightness and also so that a bar may be inserted when greater leverage is required.

**WEIGHT:** 9 1/2 pounds.

**FINISH:** Oiled.

**Catalog No.** 7045

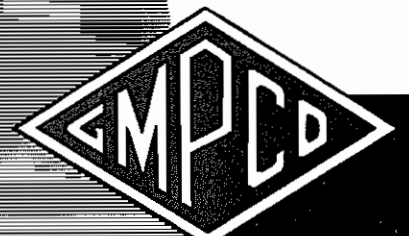
Prices on request.

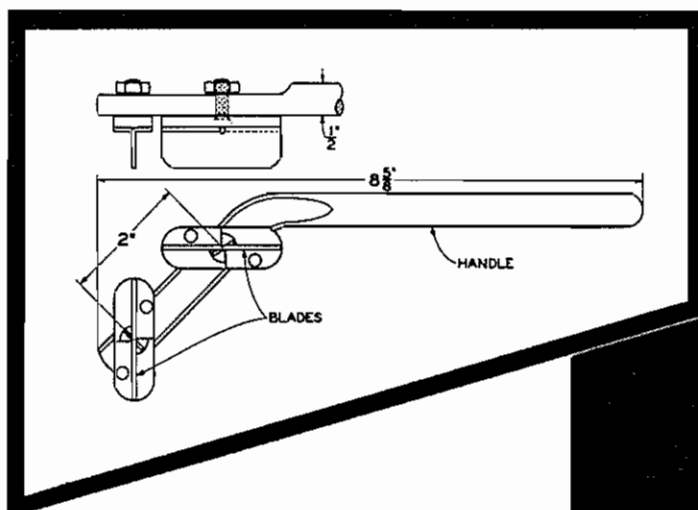
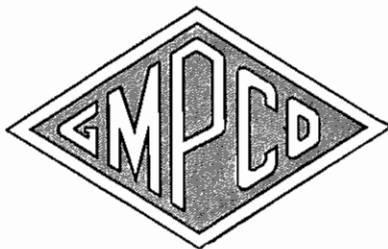
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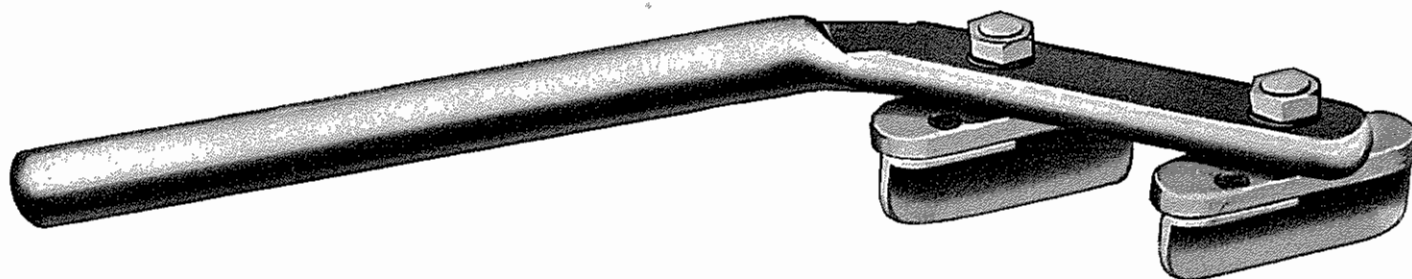
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## LEAD SLEEVE SPREADER



The lead sleeve spreader is designed to facilitate the work of spreading split-lead sleeves, particularly the smaller sizes which are difficult to open by hand. The steel handle is formed at an angle of 45° to the flattened shank in order to provide clearance for the hands in the spreading operation. Two steel blades, pivoted to the flattened shank, are so spaced that sleeve openings up to 2 inches may be obtained easily and quickly.

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**WEIGHT:** 10 1/2 ounces.

**FINISH:** Oiled.

**Catalog No. 6748**

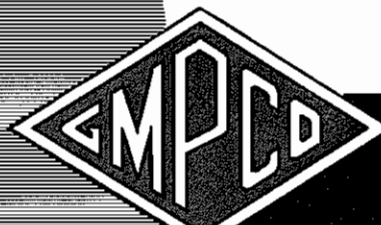
Prices on application.

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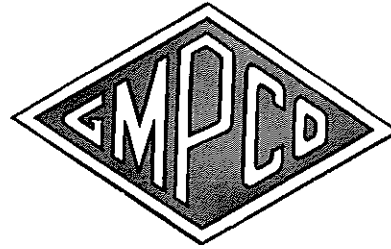
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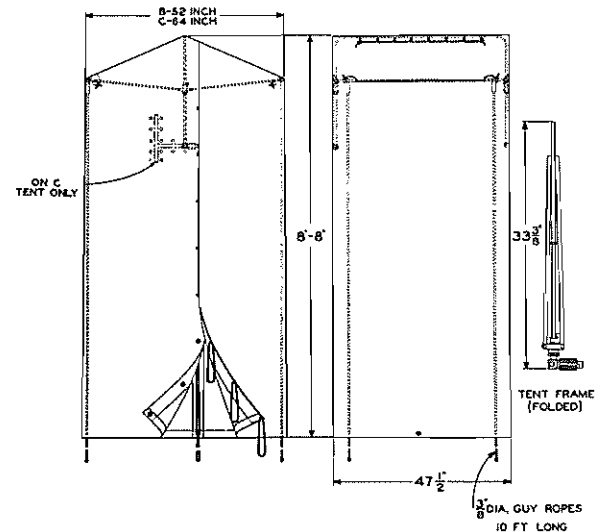
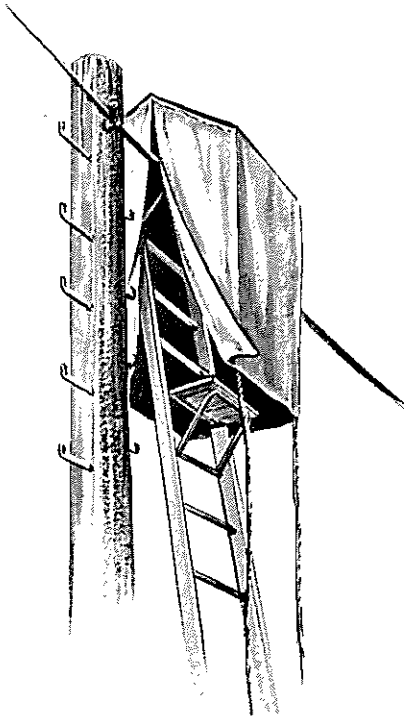
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# B & C AERIAL TENTS



These two sizes of aerial tents, B & C, are for the protection of the plant forces working on aerial cable in cold or stormy weather. The tents are of fire- and water-resistant canvas, securely laced and tied to collapsible aluminum frames which support the tents from the cable suspension strand.

The heavy canvas covers are reinforced where they come in contact with the frames and are provided with vertical openings on both sides to accommodate single cables. In addition, the C cover has a T-shaped opening on both sides for the second cable when supported on opposite sides of the pole. The openings are equipped with ropes and grommets for closing the tents securely.

The frames consist of a rigid center bow and two side bows of aluminum alloy tubing, hinged to sliding sleeves on the center bow which fold into a compact bundle. Latches for locking the tents in the open position form a part of the sleeves. The arms at the base of the center bow are offset so that the frames will clear guard arms. They are provided with slots and threaded sleeves for clamping the frame to the strand. Side bows are also provided with guy ropes for anchoring the tents in position. New features are fire- and water-resistant 10 oz. canvas; lighter and stronger frames.

| Weights | Size | Width |
|---------|------|-------|
| 30 lbs. | B    | 52"   |
| 32 lbs. | C    | 64"   |

## Finish:

Cover—unbleached 10 oz. cotton duck

Frame—Natural aluminum; steel parts galvanized

Catalog No. 7237

Specify B or C when ordering

Prices:

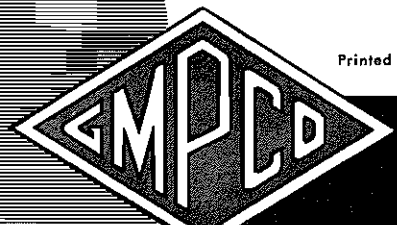
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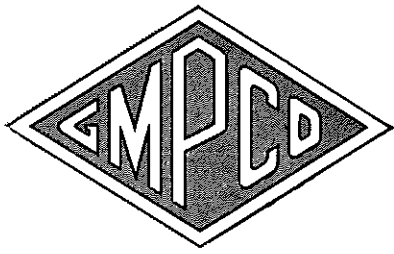
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# SIX-PAIR TERMINAL

## GENERAL MACHINE PRODUCTS CO.

The Six-Pair Terminal serves as a speedy and handy means for making multiple connections on a pole, house or other outside location. Frame is of electro-galvanized steel. Terminal body is of high dielectric plastic. The top is rust-proof steel and provides a completely weather-proof cover. Connections can be made for five additional party lines to the main trunk.

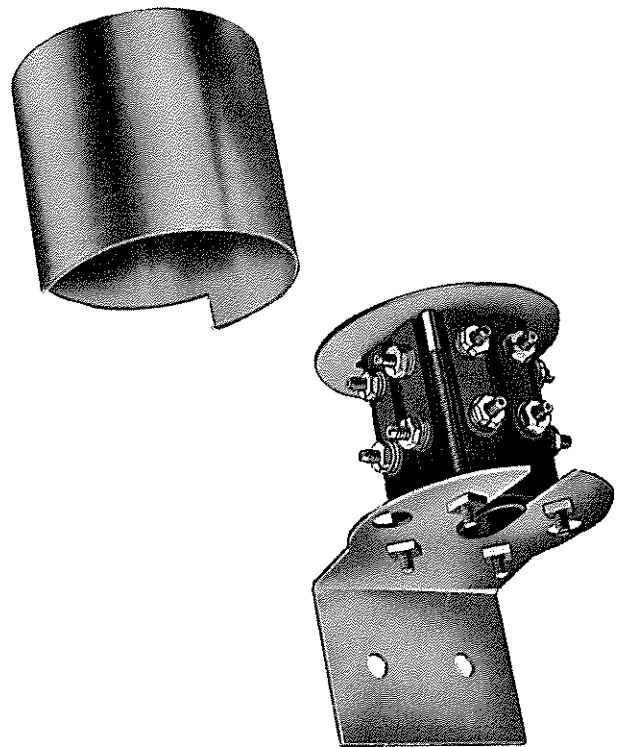
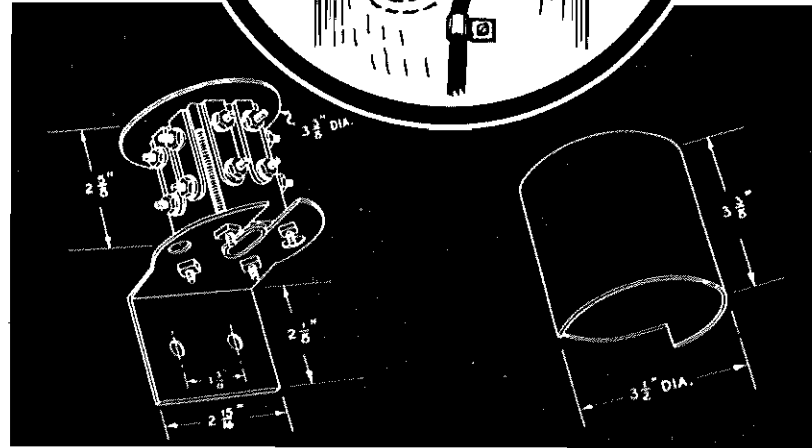
**WEIGHT:** 1 lb., 3 oz.

**FINISH:** Cadmium Plated.

**Catalog No. 11-A**

Prices on application.

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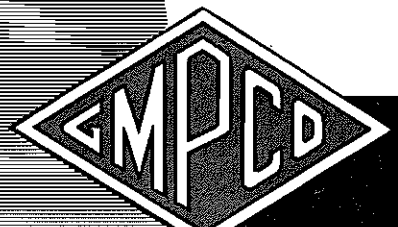


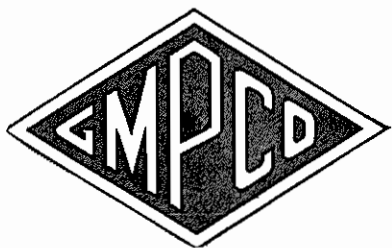
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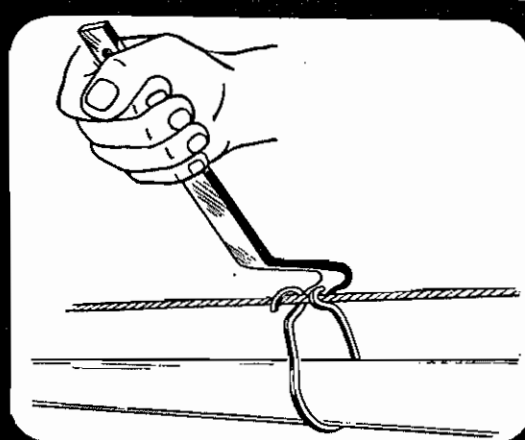
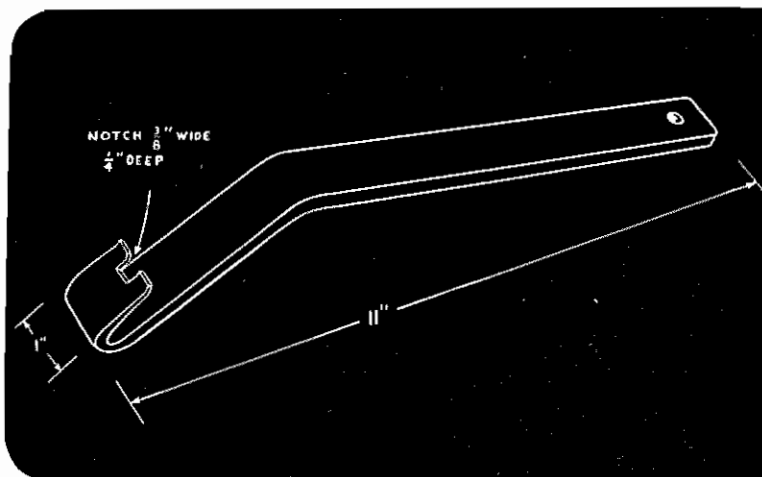


## CABLE DE-RINGER TOOL

This new tool, originated by General Machine Products Co., quickly and simply disconnects or "unties" cable rings. No more hit-or-miss methods with screw drivers or pliers . . . here is a tool designed and built to do one job and do it well. Made of hardened tool steel, this handy tool is light in weight . . . only 13 ounces. The double blade fits all standard cable rings. The hooked-blade end is applied under the loop at the top of cable rings; then an upward motion on the handle slips the ends of cable rings apart, with one easy, efficient movement. A handy hole is provided at the upper end for attaching to linemen's belts.

Saves Time and Trouble . . .

Saves Fingers and Temper!



Weight: Approximately 13 ounces.

Finish: Oxidized

Catalog No. 5000

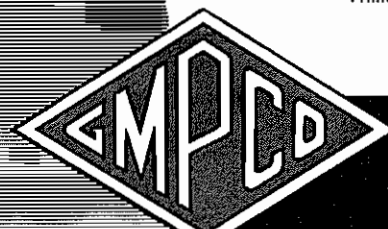
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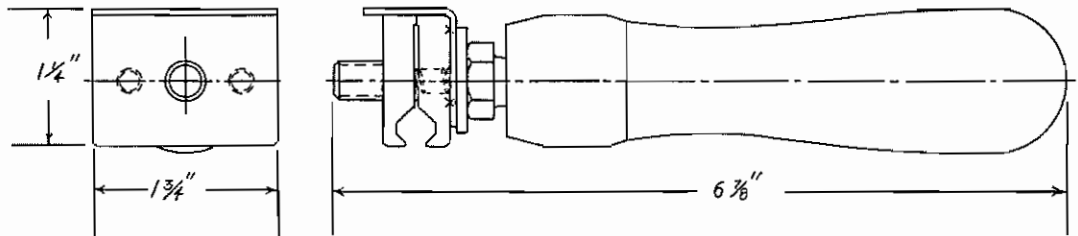
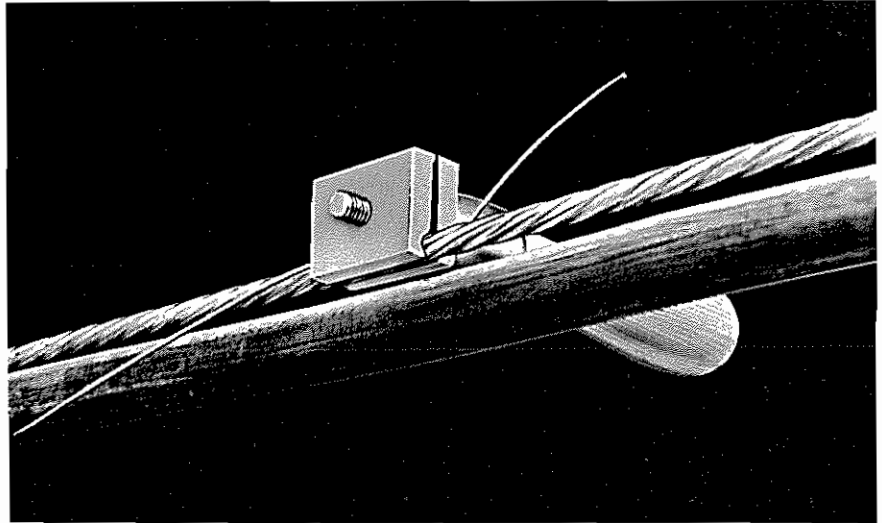
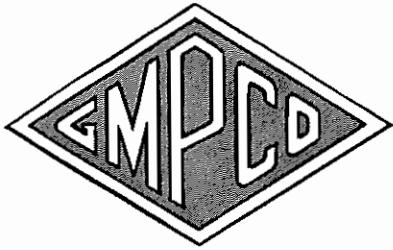
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# C LASHING WIRE CLAMPING TOOL



The C Lashing Wire Clamping Tool serves to secure the lashing wire to the suspension strand before releasing tension in the lashing wire. It may also be used for temporarily fastening the wire before the lashing operation. The C Lashing Wire Clamping Tool may be used with .065 or .091 lashing wire on all sizes of strand and with .045 lashing wire on 6M and 10M strands. When clamping .045 wire on 16M strand, insert a piece from the end of the lashed cable support (strip of metal) about 1 inch long by rolling it over the strand. The wire should be clamped between this strip and the clamp. This clamp should be considered as a tool and not used as a permanent installation under normal conditions.

**Weight:** 10 oz.

**Finish:** Metal parts oil coated; handle varnished

**Catalog No.** 7148

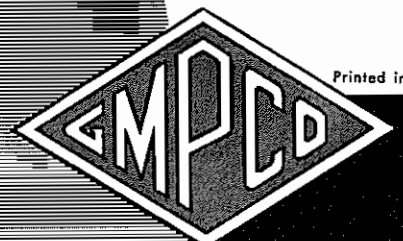
**Prices on request**

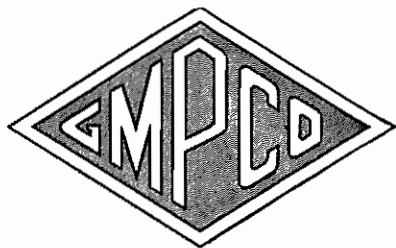
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# WIRE RAISING TOOL



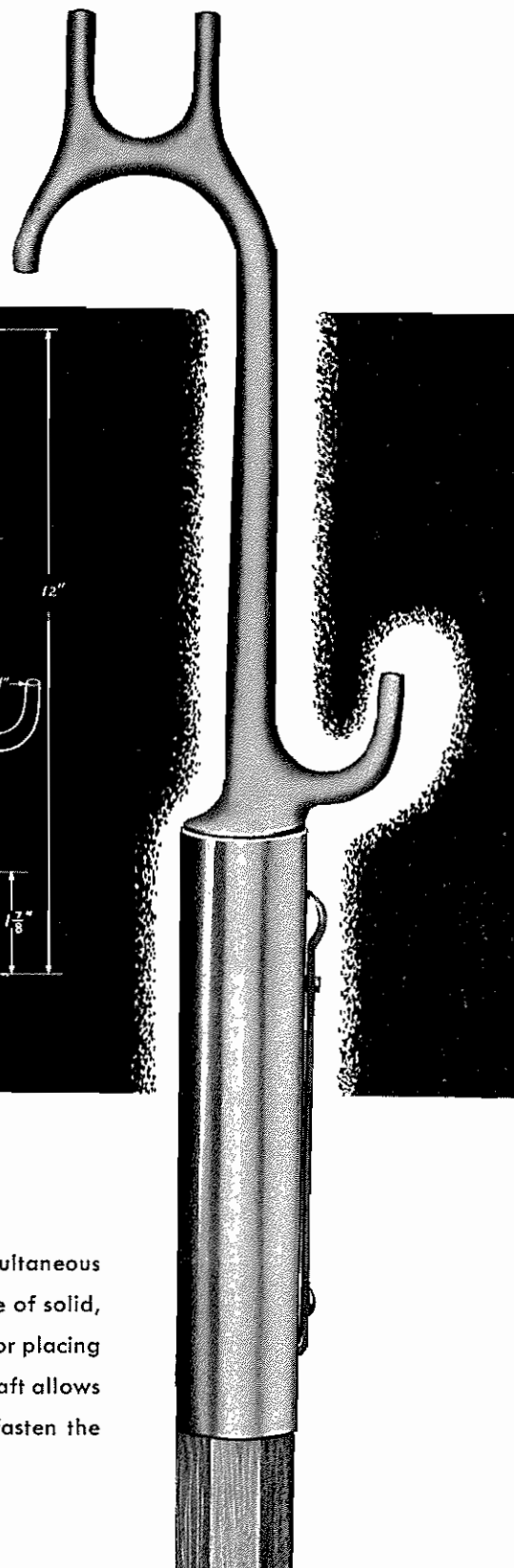
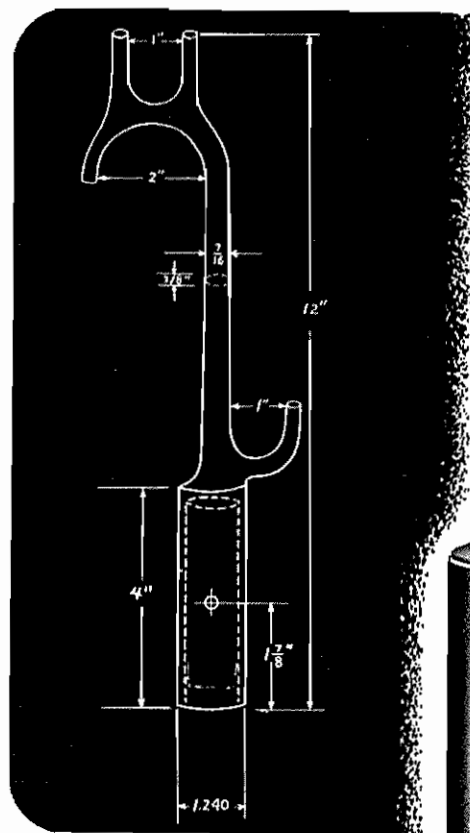
The wire raising tool is made with two hooks for the simultaneous placing of steel strand and open telephone line. It is made of solid, cast bronze or malleable iron and is provided with a shaft for placing on the end of a wooden tree-pruning pole. A hole in the shaft allows the locking pin in the sleeve of the tree-pruning pole to fasten the tool securely to the pole.

Weight: 1 lb., 3 oz.

Catalog No. 6355

Finish: Oiled.

Prices on request

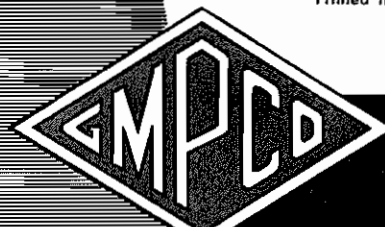


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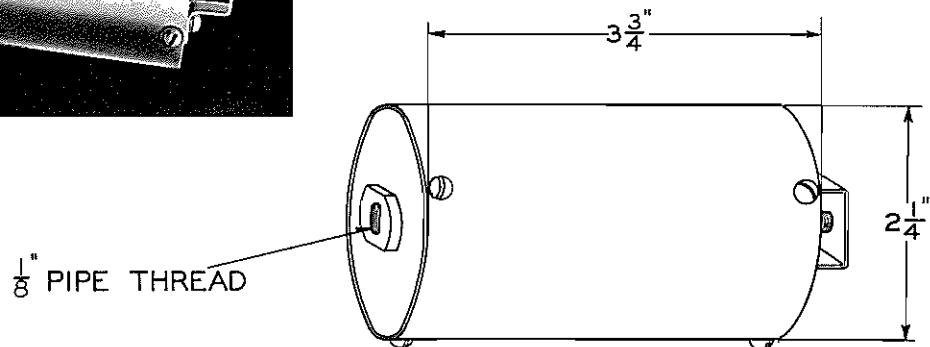
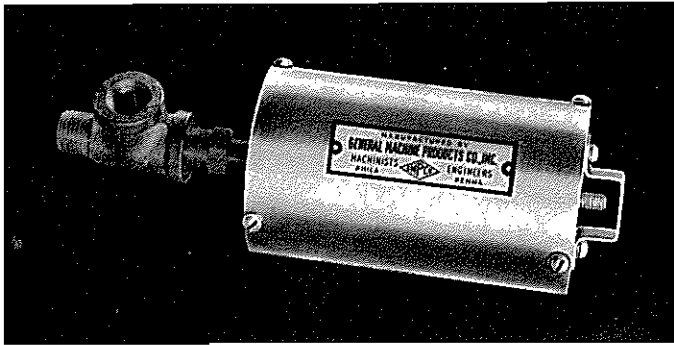
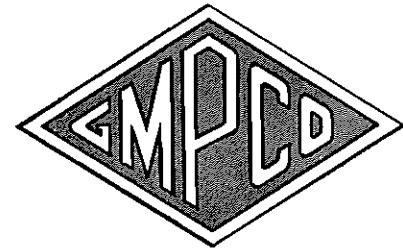
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# C RELIEF VALVE

# D RELIEF VALVE



These valves are used to relieve automatically the excessive gas pressure accumulations in cable sections or apparatus cases. The valve automatically closes again to prevent further loss of gas when the pressure is reduced. The two valves are alike in appearance but differ in operating pressure.

The C relief valve operates to release gas when the gas pressure reaches or exceeds 15 pounds per square inch.

The D relief valve operates to release gas when the gas pressure reaches or exceeds 3 pounds per square inch.

**Marking:** Each valve is marked on the top.  
C relief valve is marked C15; the D relief valve is marked D3.

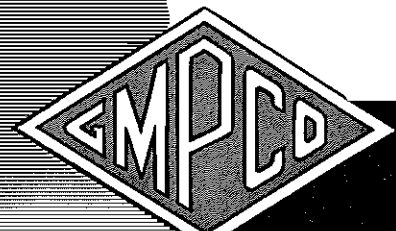
**Weight:** approx. 2 pounds each  
**Finish:** Natural brass finish  
**Catalog No.** 7231  
**Prices** on request

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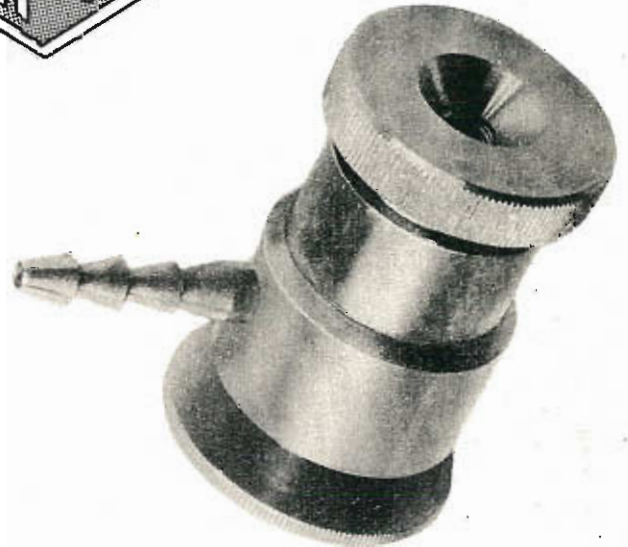
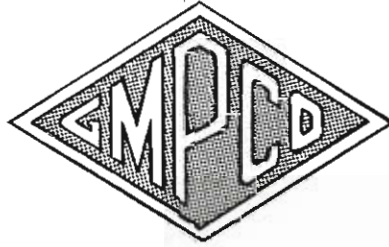
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# B PRESSURE-TESTING CHUCK



The pressure-testing chuck is a carefully-engineered mechanism, used for connecting measuring instruments to pressure-testing valves to make connections to gas-filled cables **without loss of gas**. So carefully is it made that for every 100 pounds of compressed gas used, the normal loss with the use of this chuck is only one-tenth of an ounce.

The chuck consists of a monel metal housing containing the positive valve mechanism, a stainless steel nozzle for connection with the air hose and a free-turning threaded collar for attachment to the pressure-testing valve on the cable. The internal valve mechanism is manually operated by depressing the top button which has a split clutch arrangement for clamping the button in the depressed position. The knurled locking wheel at the top actuates the split clutch.

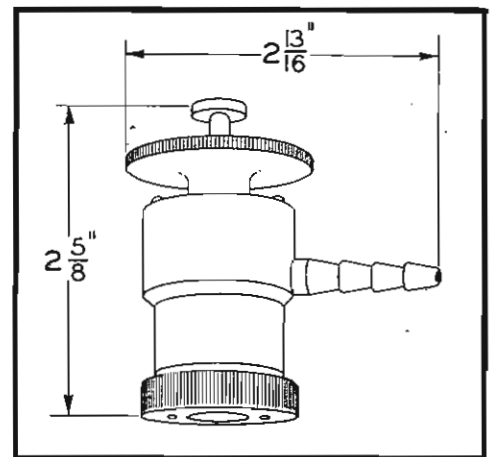
## SPECIFICATIONS

**Weight:** Approx. 11 ounces

**Finish:** Natural

**Catalog No.** 7256

**Prices on request**



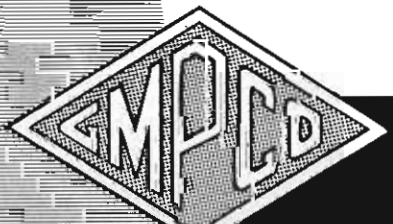
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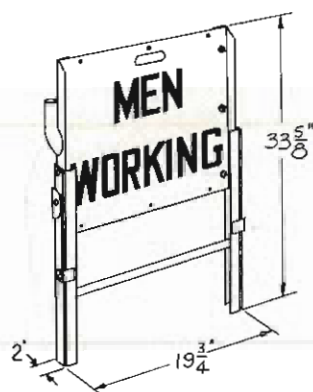
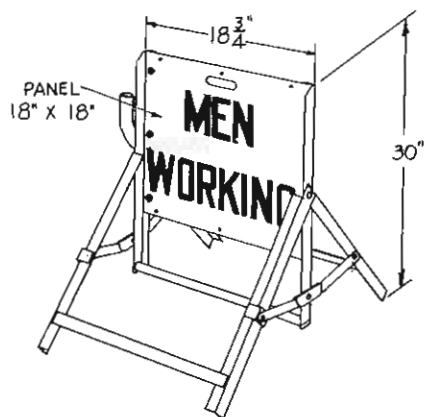
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## B WARNING SIGN

An unusual feature of this new warning sign is the method by which its stability has been increased. The panel itself, 1 1/2 feet square, is pivoted on the A frame in such a manner that wind pressure will exert a downward force on the sign, tending to anchor it more firmly to the ground.

This portable sign consists of a steel panel having the words "MEN WORKING" baked on both sides, mounted on an A type frame of angle iron. The pivoted panel is free to move 35° from the normal vertical position; the frame is held in the open position by spreaders. A socket of 3/4 inch pipe at the side of the frame provides support for a warning flag, flag bracket or lantern. Panel lettering is gloss black on Federal Yellow background.

### SPECIFICATIONS

**Weight:** 23 pounds

**Finish:** Panel: high baked enamel

Frame: hot-dip galvanized

**Catalog No.** 7358

**Prices on request**

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