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

General Machine Products Co.
7th and WOOD STREETS • PHILADELPHIA 6, PA.
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
"C" CABLE BENDER
by
GENERAL MACHINE PRODUCTS CO.

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.

WEIGHT, with 15" handle: 13 lbs.
FINISH: Oiled
HEIGHT: 8 1/2"
LENGTH: 15"
WIDTH: 6"
Catalog No. 7217 Prices on application

Printed in U.S.A.
Storage Battery
CARRIER
by
GENERAL MACHINE PRODUCTS CO.

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 ¾ pounds.
FINISH: Baked enamel, olive green.
Catalog No. 6886
Prices on request.
© 1946 G. M. P. CO.

Printed in U.S.A.
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.
CABLE BLOCK
by
GENERAL MACHINE PRODUCTS COMPANY

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 Ollite 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.
CABLE BLOCK LIFTER

by

GENERAL MACHINE PRODUCTS CO.

The cable block lifter is used with tree pruner handle sections for placing cable blocks on suspension strands. 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 ¾ pound.
FINISH: Steel part (hook)—zinc or cadmium plated.
Catalog No. 7163
Prices on Application.

© 1949 G. M. F. CO.
CABLE BLOCK PUSHER

by

GENERAL MACHINE PRODUCTS CO.

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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Printed in U.S.A.
CABLE FEEDER
by
GENERAL MACHINE
PRODUCTS COMPANY

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:

<table>
<thead>
<tr>
<th>Name of Part</th>
<th>Bare Inches</th>
<th>Max. Diam. Inches</th>
<th>Overall Length Inches</th>
<th>Approx. Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Section</td>
<td>—</td>
<td>7 1/2</td>
<td>90</td>
<td>35</td>
</tr>
<tr>
<td>Extension Section</td>
<td>2 3/4</td>
<td>4 3/4</td>
<td>6 1/2</td>
<td>7</td>
</tr>
<tr>
<td>3-inch Nozzle</td>
<td>2 3/4</td>
<td>4 1/4</td>
<td>6 1/2</td>
<td>8</td>
</tr>
<tr>
<td>3 1/4-inch S Nozzle</td>
<td>3 1/4</td>
<td>4 3/4</td>
<td>5 3/4</td>
<td>5</td>
</tr>
</tbody>
</table>

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.

© 1949 G. M. P. Co.
GLOVE CONTAINER
by
General Machine Products Co.

This container for asbestos fire-fighting gloves is of hot-dipped 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.

© 1948 O. M. P. CO.

Printed in U.S.A.

GENERAL MACHINE PRODUCTS Co.
7th and WOOD STREETS • PHILADELPHIA 6, PA.
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.

WEIGHT: ½ pound including case.
FINISH: Metal parts brass, heavily nickel plated and polished.
Catalog No. 7200
Prices on application.

© 1948 G. M. P. CO.
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

Prices on application

© 1948 G. M. P. CO.
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 crossarm 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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General Machine Products Co.
7th and Wood Streets • Philadelphia 6, Pa.
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 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 9/16-inch hole is also provided to permit attachment of the holder to the truck vise bracket with a 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 1/8 pounds.

Catalog No. 6830

Prices on application.

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SHEATH LIFTER
BY
GENERAL MACHINE PRODUCTS CO.

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 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 3/8-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: ½-pound.
FINISH: Steel parts have oil finish.

Catalog No. 7147
Prices on application.
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 ½-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.

**WEIGHT:** Approximately 3 ounces.

**FINISH:** Steel parts oiled.

**Catalog No.** 7132

Prices on application.

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SOLDER PAN
BY
GENERAL MACHINE PRODUCTS CO.

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: 2-¼ pounds.
FINISH: Natural finish, oiled.
Catalog No. 6877
Prices on application.

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General Machine Products Co.
7th and Wood Streets • Philadelphia 6, Pa.
CABLE LOCATION NUMBER PLATE

by GENERAL MACHINE PRODUCTS COMPANY

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.

Catalog No. 6216

FINISH: Natural.

Prices on application.

© 1948 G. M. P. CO.
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. Enamelled in Utility Red automobile finish.

**Specifications**

- 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: 27/16"
- Weight: 62 lbs.
- Standard finish: Utility Red Utility Red

**Write for Prices Today!**

**General Machine Products Company**

7th & Wood Streets • Philadelphia 6, Pa.
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 15½” to 23½”, 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 overrunning 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 10½” x 7”.

Weight—approximately 63 lbs.

Finish—oiled. Base painted gray.


Price on application.

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TERMINAL WIRE REEL

by GENERAL MACHINE PRODUCTS COMPANY

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 3/8" to a maximum of 4 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 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 1/2" center to center, are tapped for this purpose. Overall dimensions are 21 3/8" x 16" x 9".

A. . . . . 16"
B. . . . . 6 5/8"
C. . . . . 4 3/4"

Weight—Approximately 18 lbs.
Finish—Bright Aluminum
Catalog No. 8047
Prices on application

© 1949 O. M. P. CO.
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 extractor, 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 ½ pounds.
FINISH: Cadmium plated.
REPLACEMENT PARTS: Extractor, sleeve and wrench.
Catalog No. 6670 Prices on application.
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.
Pipe Spreader
by
GENERAL MACHINE PRODUCTS CO.

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 ½” steel pipe for lightness and also so that a bar may be inserted when greater leverage is required.

WEIGHT: 9 ½ pounds.

FINISH: Oiled.

Catalog No. 7045

Prices on request.
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.

WEIGHT: 10½ ounces.
FINISH: Oiled.
Catalog No. 6748
Prices on application.
SIX-PAIR TERMINAL

by

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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General Machine Products Co.
7th and Wood Streets • Philadelphia 6, Pa.
CABLE DE-RINGER TOOL
by
GENERAL MACHINE PRODUCTS CO.

This new tool, originated by General Machine Products Co., quickly and simply disconnects or "unites" 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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WIRE RAISING TOOL
by
GENERAL MACHINE PRODUCTS CO.

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.

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