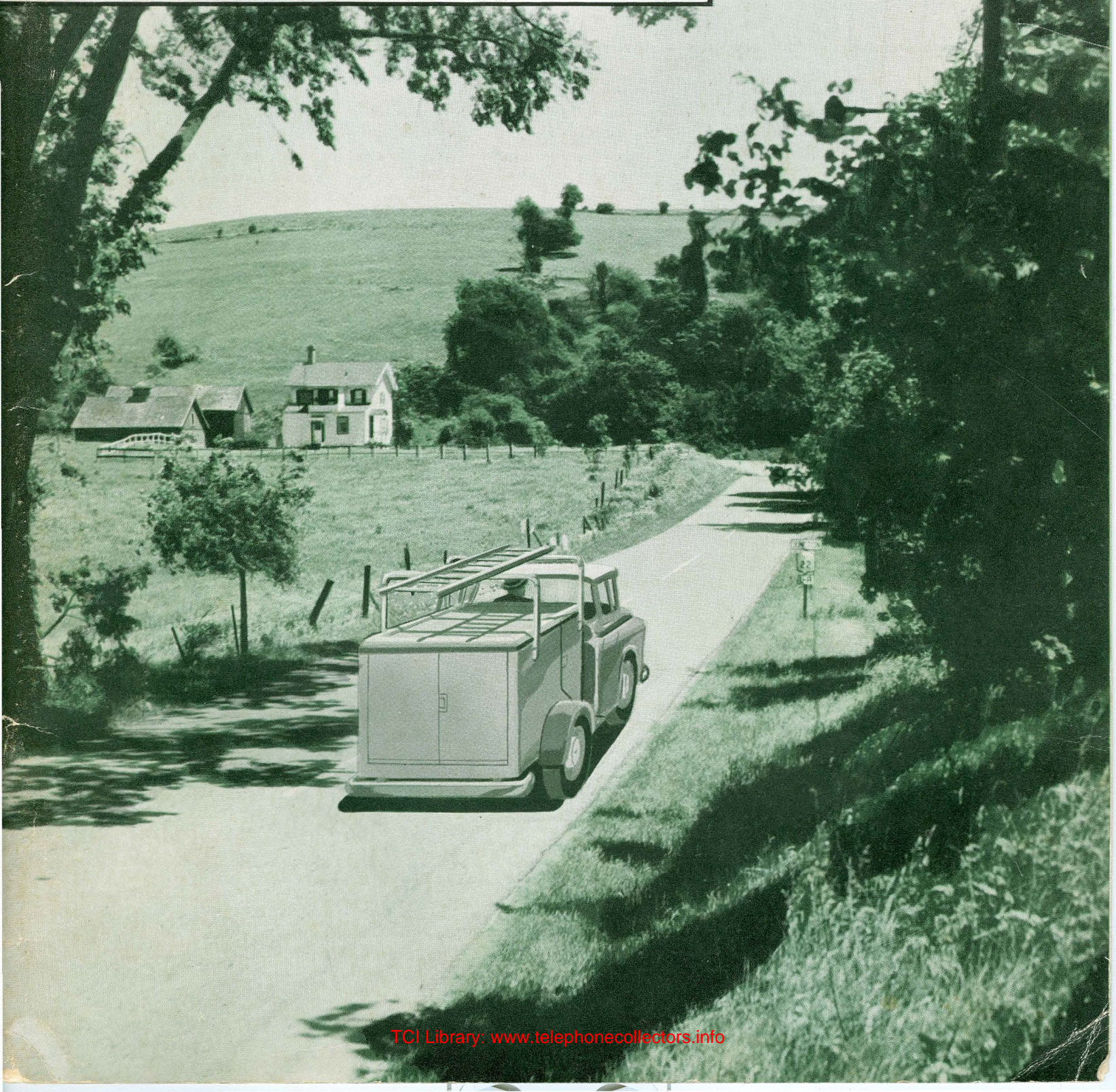
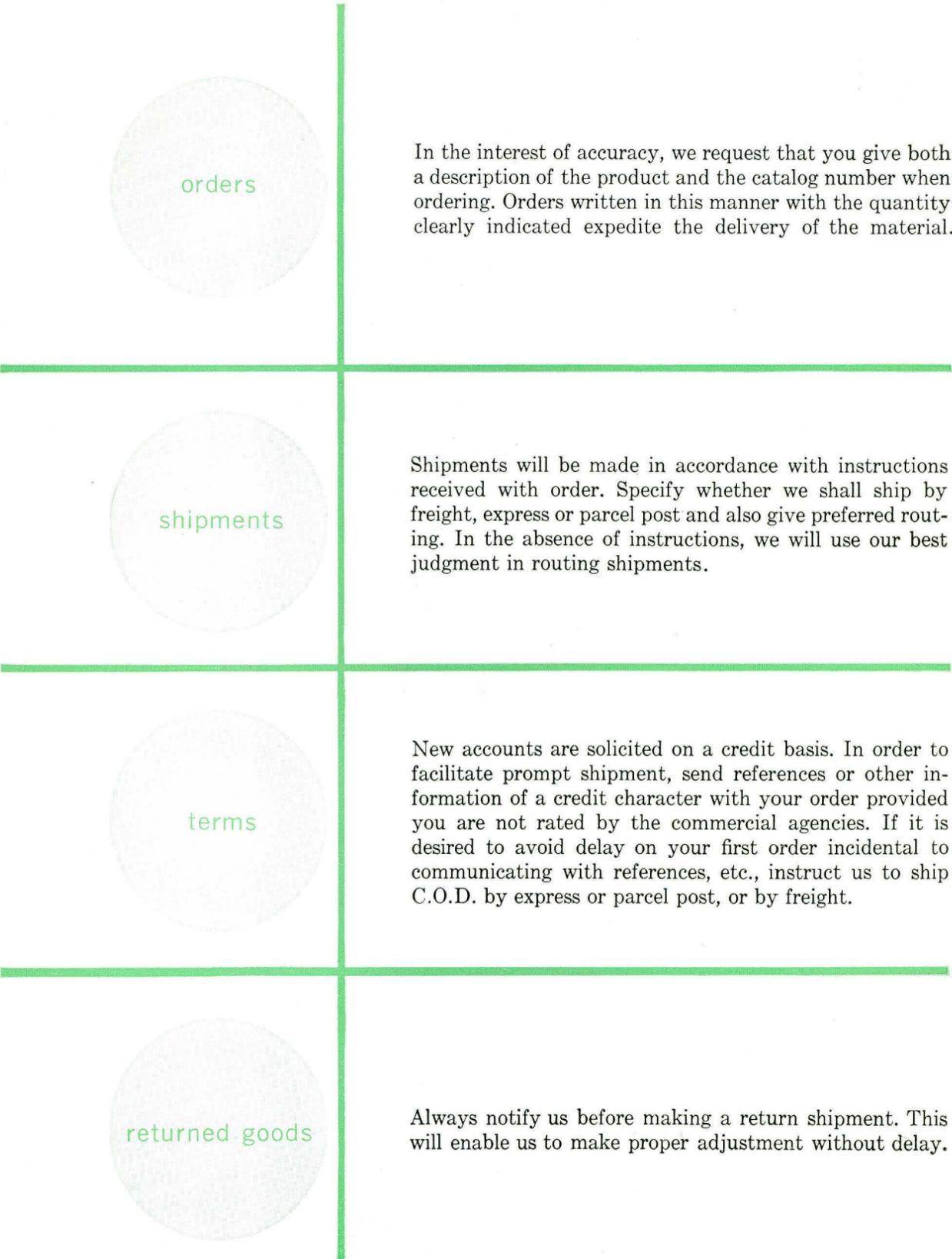


BUYERS GUIDE

TELEPHONE EQUIPMENT AND SUPPLIES

AUTOMATIC  ELECTRIC





orders

In the interest of accuracy, we request that you give both a description of the product and the catalog number when ordering. Orders written in this manner with the quantity clearly indicated expedite the delivery of the material.

shipments

Shipments will be made in accordance with instructions received with order. Specify whether we shall ship by freight, express or parcel post and also give preferred routing. In the absence of instructions, we will use our best judgment in routing shipments.

terms

New accounts are solicited on a credit basis. In order to facilitate prompt shipment, send references or other information of a credit character with your order provided you are not rated by the commercial agencies. If it is desired to avoid delay on your first order incidental to communicating with references, etc., instruct us to ship C.O.D. by express or parcel post, or by freight.

returned goods

Always notify us before making a return shipment. This will enable us to make proper adjustment without delay.

AUTOMATIC  ELECTRIC

Here's Your Handy New Buyers Guide

For Telephone Equipment and Supplies!

We think you'll enjoy looking through this handy guide. You will find many quality items that are a must for your operations. Whether you're looking for central office equipment, telephone supplies or subscriber station equipment, here are the items that best fill your particular needs.

This guide will prove invaluable when it comes to ordering. It contains catalog numbers and prices along with a description of each item. Look through it and place your order today! You're sure to find Automatic's quality products and fast delivery an asset to *your* company's operations.

Automatic Electric supplies just about everything you might need. If you're looking for something that does not appear in this book, we'll be glad to send you catalogs on those specific items.

AN INDEX TO YOUR BUYERS GUIDE APPEARS ON PAGES 86 AND 87.

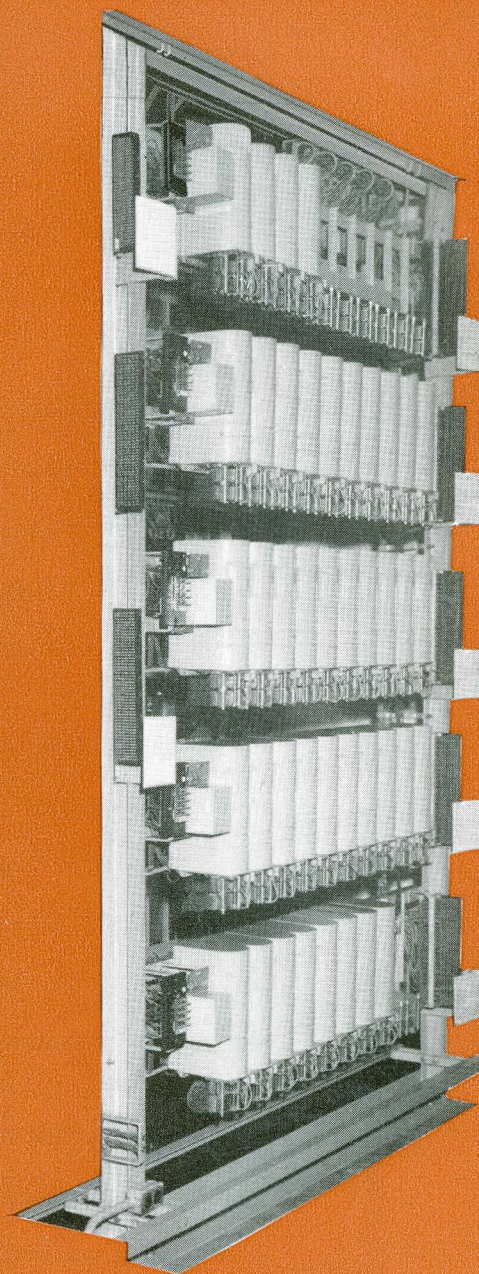
Going Dial?



The return that a telephone company earns on its investment depends on the service it offers. Modern subscribers demand the *best*—and under today's conditions that means "going dial."

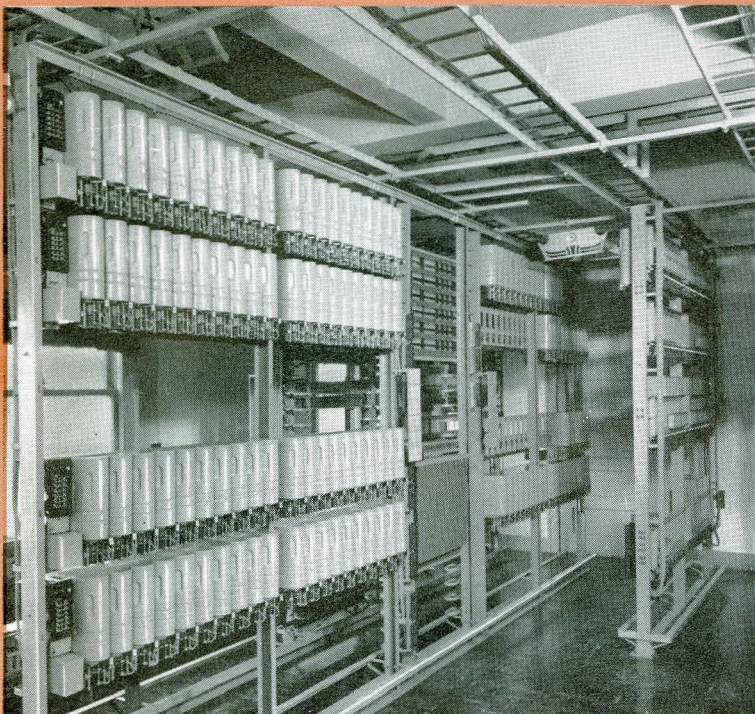
Not only does automatic equipment provide better service, but it begins to pay for itself as soon as it is installed. It assures reduced operating and maintenance costs. Result: added income and additional revenue for expansion and improvements.

In the light of today's booming demand for extra telephone services of all kinds, requirements for future growth also must be anticipated. Strowger Automatic equipment gives you every modern feature, yet the simple circuits and unitized construction allow you maximum freedom to expand—easily and economically.



THE TYPE 11 M-A-X

Supplied in a range of capacities to serve from 30 to 400 lines, initially. Available in either 9' or 11' 8" heights. The 9' height requires a ceiling of at least 10' 6", while the 11' 8" height requires a ceiling of at least 12' 6".



THE TYPE 20 M-A-X

Custom engineered to serve exchanges of above 400 lines. Available in either 9' or 11' 8" heights. The 9' height requires a ceiling of at least 10' 6", while the 11' 8" height requires a ceiling of at least 12' 6".

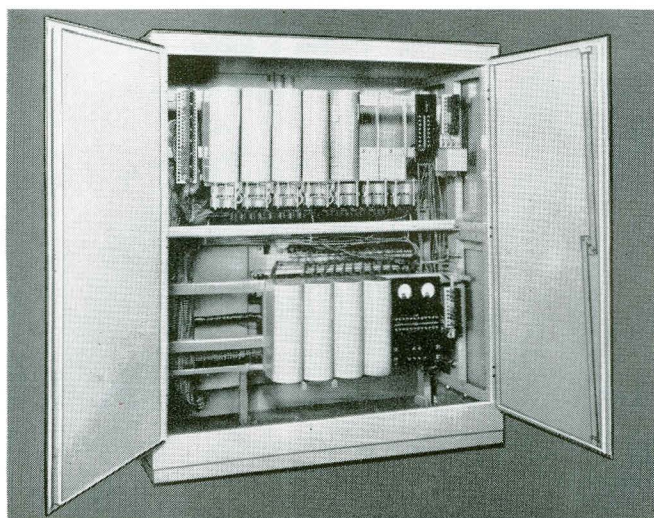
Strowger gives you all these modern features:

- 2L5N numbering
- Intertoll dialing with the latest supervisory standards
- Easy adaptation to Direct Distance Dialing
- Economical expansion with simple jack-in equipment
- Easy adaptation to Strowger Automatic Toll Ticketing—and Strowger ticketing equipment works directly into accounting machines without converters
- Direct dial control—no delays for common equipment
- Most modern, fastest information boards
- Banks and wipers in plain view—easy to see and reach
- Low maintenance, fast call-tracing
- Simplified checking—each switch and its control relays mounted as a unit
- Your choice of terminal-per-station or terminal-per-line
- Either frequency per group or per terminal, with terminal-per-station
- Trunk repeaters for carrier, microwave, physical, or composite circuits
- Full-feature toll boards—cord-type or cordless
- Fire-reporting systems, manual and automatic
- Automatic Time Announcing
- Automatic Weather Reporting
- Automatic Intercept Announcing
- Quick, easy testing of lines for leaks, grounds, or foreign battery, with the Automatic Line Router
- Remote testing of unattended offices
- Fully automatic alarm systems within office and at remote points
- "Four-wire" toll switching

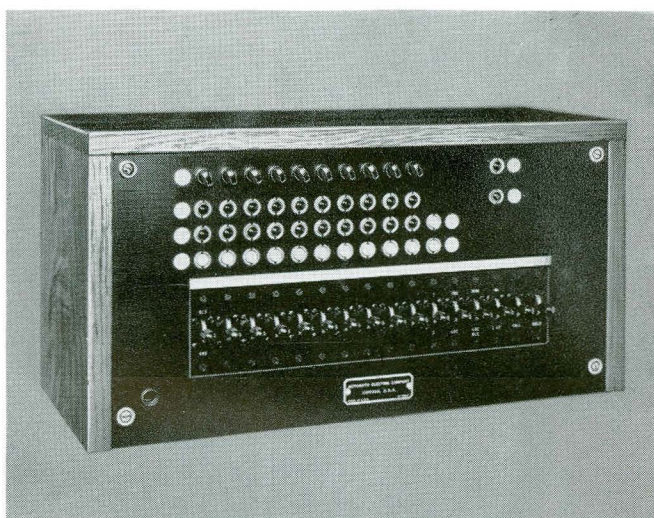
Automatic Electric's complete service, (engineering, equipment, installation and training) has helped many, many companies modernize and expand their plant facilities . . . at minimum overall cost. It will do the same for you. Whatever your problem may be, our staff is always available, ready and anxious to help you.

AUTOMATIC'S COMPLETE P-A-B-X LINE

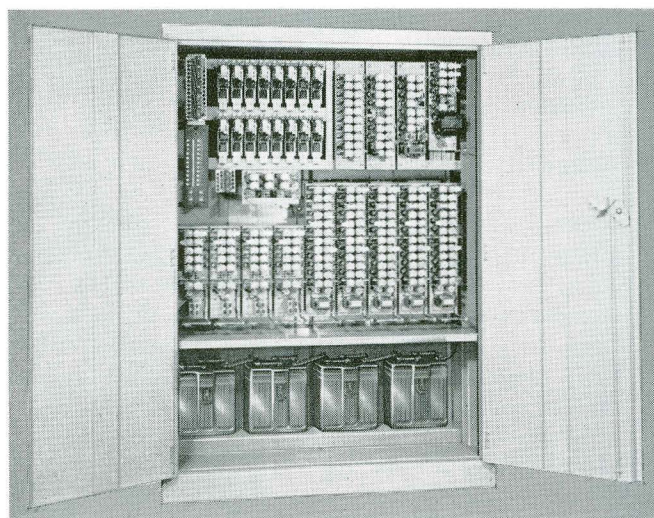
BUILDS BUSINESS 3 WAYS



Type 25-B P-A-B-X—25-75 telephones, up to 14 conversations at once. Attendant's cabinet. Write for Circular 1815-A for full particulars.



"Cordless" Attendant Cabinet for Type 25B P-A-B-X has no cords, plugs, or jacks; connections are completed by key operation and by dialing (using a standard automatic telephone as the attendant's telephone).

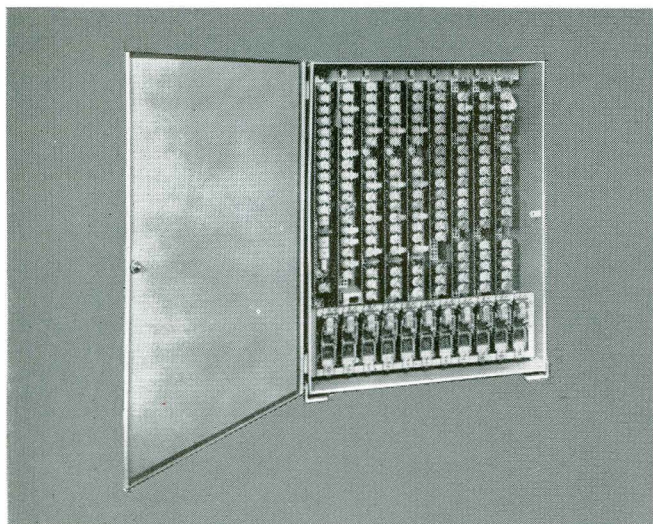


Type 33A6A P-A-B-X—Up to 20 telephones, 9 conversations at once (4 inside, 5 outside). With or without attendant's cabinet. Circular 1818-A gives full details.

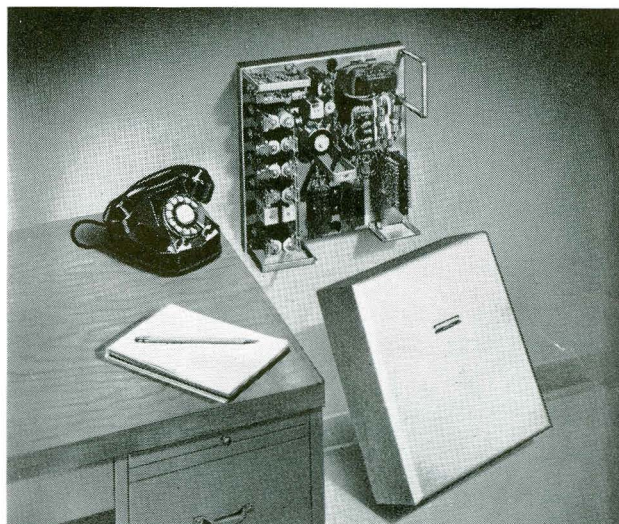


Cordless PBX—Two sizes: 10 lines, 4 trunks, 5 connecting circuits; 20 lines, 5 trunks, 5 connecting circuits. Can be supplied for 24- or 48-volt operation, and for use on automatic, manual, or magneto central-office trunks. A standard desk-type telephone is used as attendant's instrument. For full details, request Circular 1793.

- 1 Fast, easy-to-use, automatic inside service
- 2 Improved service to and from public exchange
- 3 Auxiliary services to meet individual needs



Type 95 P-A-B-X—Up to 12 telephones, 6 conversations at once (3 inside, 3 outside). No attendant required. Request Circular 1820 for more information.



Type 85 P-A-B-X—Up to 10 telephones, 3 conversations at once, (1 inside, 2 outside). No attendant required. Circular 1819 gives a complete description.

Dimensions and Auxilliary Services

Type of Exchange	Executive Key Calling	Executive Direct Line Telephone	Executive Right of Way	Direct Line Service	Secretary Answering Service	Conference Service	Area Paging Service	Public Address Cut In	Code Call Service	Night Transfer	Height	Width	Depth
25-B	●	●	●	●	●	●	●	●	●	●	4'9"	4'7"	2'
33A6A	●	●		●	●		●	●	●		5'6"	4'	1'6"
95	●	●		●	●		●	●			3'	2'4"	1'1"
85				●	●						14½"	14½"	5½"
Cordless—10 line											13"	22⅝"	13⅝"
Cordless—20 line											13"	32¼"	13⅝"

Delivery on the PBX and PABX equipment listed above will normally be made from stock.

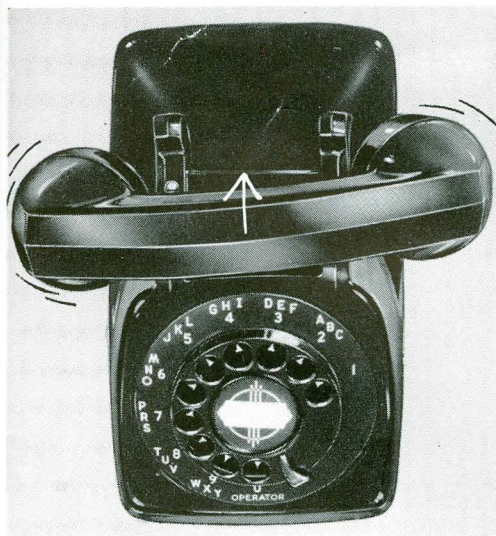


Automatic Electric's

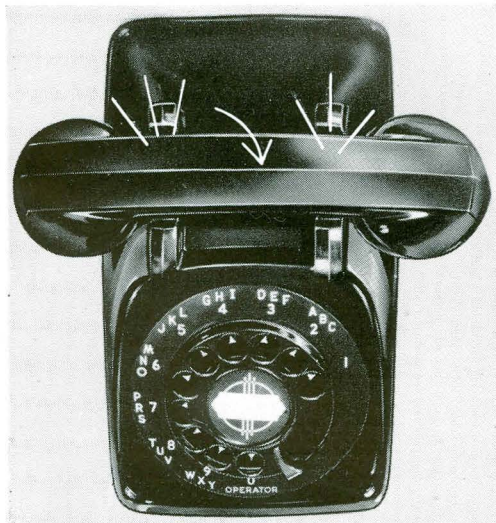
TYPE 80

TELEPHONE

Based on a fresh new concept in telephone design, these telephones combine beauty with advanced engineering. Automatic Electric's designers and engineers have designed them for the utmost in dependable performance. Your subscribers will appreciate such innovations as the "walking handset," the new dial, the exciting colors—features that mark thoughtful and thorough consideration of the users' desires. And you will appreciate the ruggedness that makes Type 80 so easy to maintain in top working order.



**HANDSET
ALWAYS
SLIDES
INTO
CRADLE**



EASIER DIALING Fingerplate is lower on outer edge, so numbers are easy to see from any position. Housing is set on nonskid feet—won't slip during dialing. Twin contacts insure positive, dependable operation, uniform dial pulsing even over long lines.

BETTER TRANSMISSION Transmitter and receiver are non-positional, capsule units. Tests show a flatter response curve—which means most lifelike reproduction of speech. Transmitter is close to mouth, boosting volume—overcomes line loss and noises. A simple adjustment enables installer to adjust line current for best transmission. New induction coil and balancing network reduce sidetone.

DEPENDABLE OPERATION Housing and handset molded of tough Tenite to take the roughest abuse. Components grouped in convenient assemblies; quickly changed with screwdriver. Handy spade terminals do away with soldering. "Installer's hooklock" permits normal telephone operation while repairs are being made. Spring-mounted dial makes dust-tight joint with housing.

PRACTICAL, LASTING BEAUTY Ten beautiful colors to choose from in solid color, or two-tone combinations with black. Modern, compact lines fit into any decor. No sharp corners to catch dust—wipe sparkling clean with a damp cloth.



90

The World's Most Practical Wall Phone

How to order types 80 and 90 telephones

Designate type of telephone you want. Then specify type of cord, color, dial and ringer, and add the correct ordering numbers as suffixes to the basic number specifying the telephone.

Step 1—Specify Type of Telephone	ORDER NUMBERS		Price, Each
	Desk Model	Wall Model	
Black, without hooklatch	N-80	N-90	\$21.40
Black, with hooklatch	N-81	N-91	22.50
Two-tone, without hooklatch	N-82	N-92	23.40
Full color, without hooklatch	N-82	N-92	25.85
Two-tone, with hooklatch	N-83	N-93	24.50
Full color, with hooklatch	N-83	N-93	26.95

Step 2—Specify Type of Cord	Order No.	Price, Each
Straight Cord	0	Included
Koiled Kord (Standard on full color telephones.)	2	.50

Step 3—Specify color; price is included in basic price.
(If black, omit this step.)

	ORDER	NUMBERS
	2-Tone	Solid
Sand Beige	20	10
Dawn Grey	21	11
Jade Green	22	12
Classic Ivory	23	13
Garnet Red	24	14
Turquoise	25	15
Sunlight Yellow	27	17
Camellia Pink		18
Gardenia White		19
Forget-me-not Blue		30

Step 4—Select the type dial you want.

	Order No.	Price
Dial with 1-0 number plate	—A	\$6.15
Dial removed and hole covered	—B	Included
Dial with ABC number plate	—C	\$6.15
Dial with ABC number plate and REA wiring	—W	\$6.15
Dial removed and REA wiring	—Y	Included

"Station-identity" dials for use with Types A and B Strowger Automatic Toll Ticketing Systems are also available. Write for full particulars.

All the Desirable Features of Type 80, PLUS

"WRAP-AROUND" CRADLE—"SLAMPROOF" BRACKETS

Handset can't be dragged off, brushed off or knocked off the hook, yet is very easy to lift off. Tough die-cast metal cradle is securely fitted to a sturdy bracket that won't break off.

SIMPLE INSTALLATION AND MAINTENANCE

Loosen just one screw, and the cover lifts off to expose all working parts; every component, every adjustment is easy to reach. The ringer may be removed from the front, without taking the telephone off the wall. Loop compensator is adjusted from the front. A simple push-and-lift frees the dial from its mounting. A couple turns of a screwdriver connects the line wires to the terminal block—no soldering needed.

Step 5—Specify type of ringer you require. To order telephones without ringers, indicate the last two digits of your order number as XX. Ringer may be ordered separately, from the right-hand columns below.

Telephones with ringers	Order No.	Price Ea. with Tele.	Ringers only	Price Ea.
Straight line, less adjustment wheel	SL	Incl.	D-56548-ASLR	\$5.95
Straight line, with adjustment wheel	SA	\$0.25	D-56548-ASAR	6.20
16.6 cycle, harmonic	16	.55	D-56548-A16R	6.50
20 cycle, harmonic or decimonic	20	.55	D-56548-A20R	6.50
25 cycle, harmonic	25	.55	D-56548-A25R	6.50
30 cycle, harmonic or decimonic	30	.55	D-56548-A30R	6.50
33.3 cycle, harmonic	33	.55	D-56548-A33R	6.50
40 cycle, decimonic	40	.55	D-56548-A40R	6.50
42 cycle, harmonic	42	.55	D-56548-A42R	6.50
50 cycle, harmonic only	50	.55	D-56548-A50R	6.50
50 cycle, decimonic only	51	.55	D-56548-A51R	6.50
54 cycle, harmonic	54	.55	D-56548-A54R	6.50
60 cycle, decimonic	60	.55	D-56548-A60R	6.50
66 cycle, harmonic	66	.55	D-56548-A66R	6.50
66.6 cycle, harmonic	67	.55	D-56548-A67R	6.50

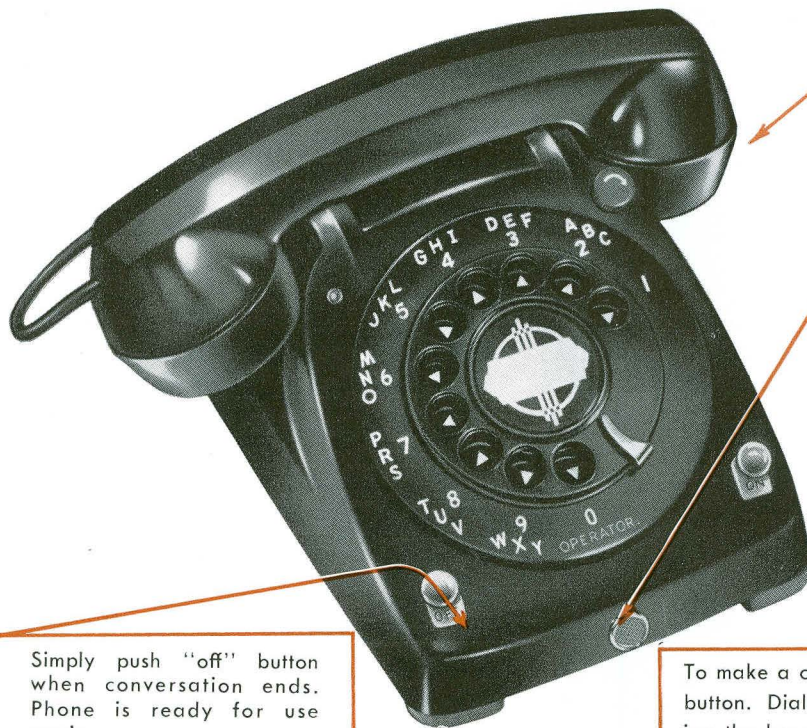
Ringer with vacuum tube for superimposed ringing VT 4.70 VT 4.70

Prices shown are subject to change without notice.

INCREASE REVENUE WITH EASY-TO-SELL EXTRAS

Loud-Speaking Telephones

GIVE EXTRA FREEDOM, EXTRA CONVENIENCE, EXTRA VALUE



Speaker and "mike" are automatically cut off, when handset is lifted for use as a regular telephone.

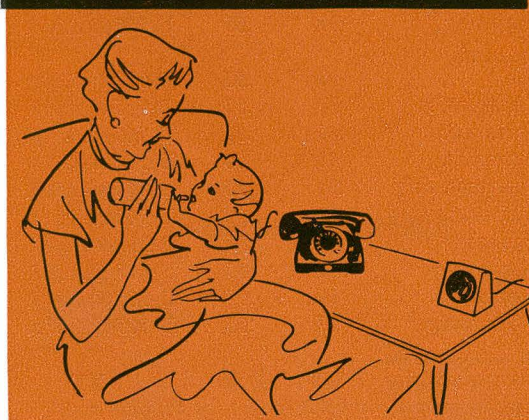
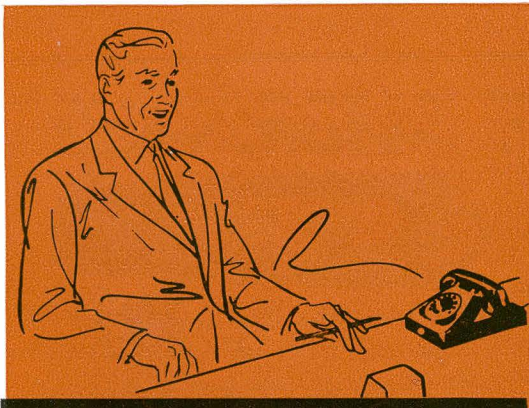
Tiny microphone in base picks up voice within several feet. No need to raise voice or shout.

Simply push "off" button when conversation ends. Phone is ready for use again.

To make a call, just press "on" button. Dial without even lifting the handset.



Powerful speaker gives natural reproduction. Takes up little space. Permits other persons in room to hear and speak during any conversation. Speaker volume can be controlled to suit conditions.



Offering maximum convenience to the business or professional man, the Loud-Speaking Telephone allows him to read, write or work *while* he talks. It's ideal for conference calls.

Busy homemakers will appreciate the wonderful convenience of conversing while occupied with household duties.

Invalids will enjoy new freedom through Automatic Electric's Loud-Speaking Telephone that operates at a touch of a button.

Choose from ten exciting colors in either two-tone or full color. Black is standard, at price shown.

Cat. No.	Description	Price
AE-83	Loud Speaking Telephone	\$160.00

Prices shown are subject to change without notice.

TELEPHONE FOR THE HARD OF HEARING

it's transistorized

Builds good will among your subscribers, increased revenue for your company.

Transistor amplifier boosts incoming voice up to 16 times. Hidden volume-control knob on shell behind handset.

Amplifier assembly is conveniently mounted on the base and employs a space-saving, printed circuit.

The Transistorized Telephone boasts the clearest possible reception, because the amplifier and the high-impedance receiver are matched for highest efficiency in the speech range, regardless of volume increase.

The Transistorized Telephone also offers all the advantages of regular Type 80 telephones.

Cat. No.	Description	Price
AE-80	Transistorized Type 80	\$85.00



TYPE 83 COMPACT TELEPHONE

Mounts on the side of a desk, on a wall or column (and with bracket shown below, may be adapted to many unusual positional requirements). Completely equipped except for bracket and ringer (see below). The height of the wall case is 6 $\frac{5}{8}$ inches, width is 3 $\frac{1}{4}$ inches. Overall width is 6 $\frac{3}{8}$ inches.

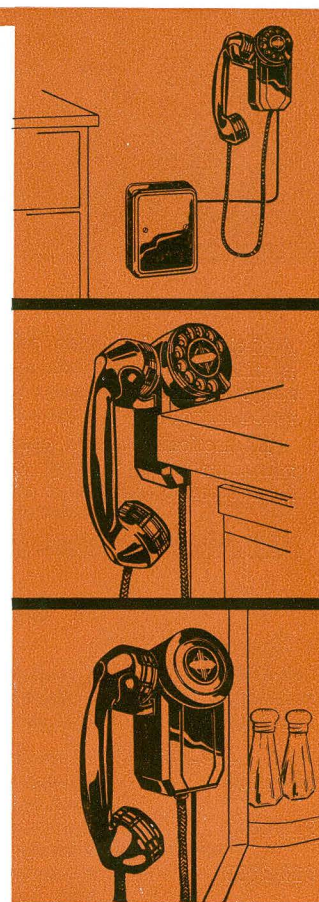
Cat. No.	Description	Shpg. Wt.	Price
AA-69	Automatic, with "ABC" dial plate	6 Lbs.	\$25.20
AA-70	Manual, blank for dial	6 Lbs.	\$19.80
AW-33	Special bracket for mounting Type 83 Telephone at right angles to mounting surface		.39

RINGER BOX FOR TYPE 83 COMPACT TELEPHONE

Contains ringer and terminal strip. Dimensions: height, 7 $\frac{1}{4}$ "; width, 5 $\frac{1}{2}$ "; depth, 2 $\frac{5}{8}$ ". Straight-line ringer, for metallic or grounded ringing. (If harmonic ringer is desired, please give catalog number listed below, frequency desired and add \$0.55 to price).

Cat. No.	Description	Price
AO-68	Type 32 Ringer Box for metallic or grounded ringing	\$ 9.80
AO-78	Type 32 Ringer Box with cold-cathode tube for superimposed ringing	14.50

Prices shown are subject to change without notice.



THE LEICH

900

MAGNETO TELEPHONE

Same telephone for wall or desk—
common battery, magneto or dial.

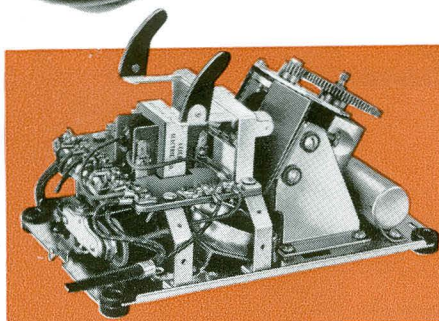
Remove the generator for a common-
battery phone. Going dial? Just add it.



This Leich Magneto Telephone meets every installation requirement. With it, you can offer your subscribers their choice of wall or desk installation, because one telephone works either way.

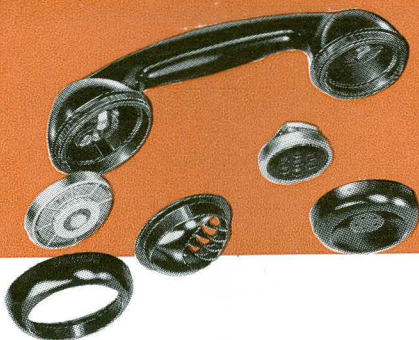
Easy conversion to common-battery service makes this new telephone a particularly inviting investment. Simply remove the Alnico generator, add a dial blank and change a few wires. All other parts remain the same. If you convert to dial, simply add a dial to each Leich Telephone.

Be wise—standardize with the Leich 900 Magneto Telephone . . . a smart investment that will never become "dated."

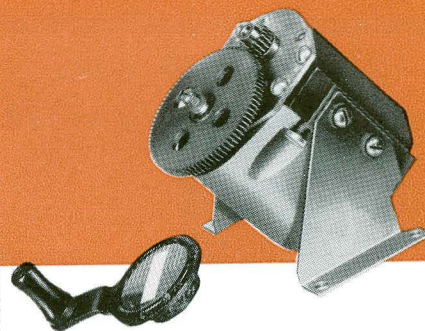


Anti-sidetone induction coil provides maximum talking efficiency for wide range of line conditions. Loud, two-toned ringer easily adjusted.

Hermetically sealed condenser for minimum leakage. All parts are readily accessible with cover off.



Crisp, clear voice reproduction gives complete satisfaction. Capsule type transmitter provides faithful, high fidelity voice reproduction. Capsule receiver clearly reproduces all voice frequencies.

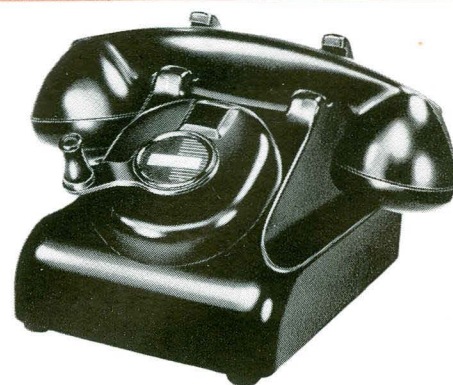


Improved Alnico generator, powerful enough for heavily loaded rural lines. Easy-to-turn generator crank will give reliable ringing over long distances.

ORDERING INFORMATION

Catalog No.	Description	Ringer	Price
901-1000	Complete magneto telephone	1000 Ohm	\$32.05
901-1600	Complete magneto telephone	1600 Ohm	32.25
901-2500	Complete magneto telephone	2500 Ohm	32.55
NOTE: All 900 magneto telephones are equipped with a sure-ring condenser			
911-1000	Complete magneto telephone with hookswitch latch*	1000 Ohm	32.90
911-1600	Complete magneto telephone with hookswitch latch*	1600 Ohm	33.10
911-2500	Complete magneto telephone with hookswitch latch*	2500 Ohm	33.40

*The hookswitch latch is for monitoring on party lines — conserving batteries
Prices shown are subject to change without notice.



LOUD - RINGING BELLS

Operate directly from straight-line ringing current, and may be simply bridged across the line. Supplied with condenser, for central battery or magneto service, or without condenser, for magneto service only. 6" gongs, and powerful mechanism produce loud, noise-piercing signal. Dimensions—Width, 1' 3"; height, 1' 0".

<i>Cat. No.</i>	<i>Description</i>	<i>Price</i>
AS-51	Weatherproof, C. B. or Magneto. 1600 Ohm Ringer and 1 mf. condenser enclosed in cast aluminum alloy case, 3/4" conduit connections top and bottom.	\$65.50
AS-52	Splashproof, C. B. or Magneto. Ringer and 1 mf. condenser enclosed in cast-iron case. 1600 Ohm ringer.	18.80
AS-62	Like above but has no condenser. Magneto service only. 1600 Ohm ringer.	16.78
AS-64	Like AS-52 but Magneto service only. No condenser. 1000 Ohm ringer.	16.78
AS-65	Like AS-52 but 0.7 mf. condenser. 2500 Ohm ringer.	18.04
AS-66	Like above. Magneto only and no condenser, 2500 Ohm ringer.	17.00

TELEPHONE SWITCHING KEYS

Switches one telephone to two or three different lines; connects a number of telephones to one line. Mounts in any convenient location, such as the side of a desk or table.

Dimensions: Length, 5 3/4" (including key handle); Width, 3 3/8"; Height, 1 1/2".

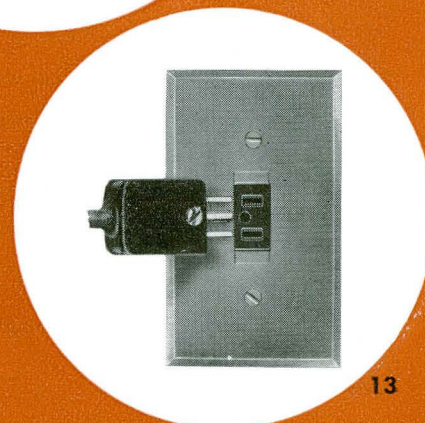
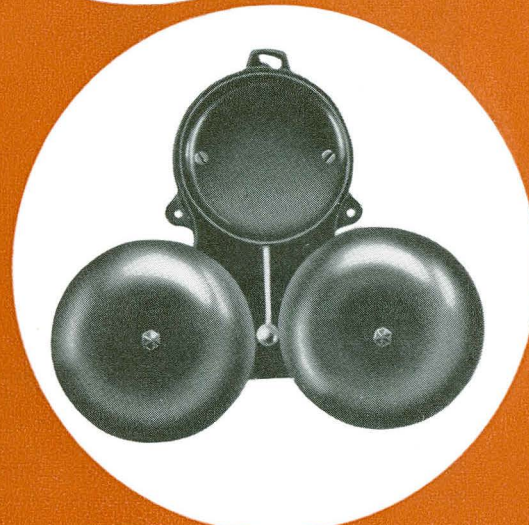
<i>Cat. No.</i>	<i>Description</i>	<i>Price</i>
AY-10	2-conductor, 2-way	\$8.03
AY-11	2-conductor, 3-way	\$8.75

PORTABLE TELEPHONE PLUGS AND JACKS

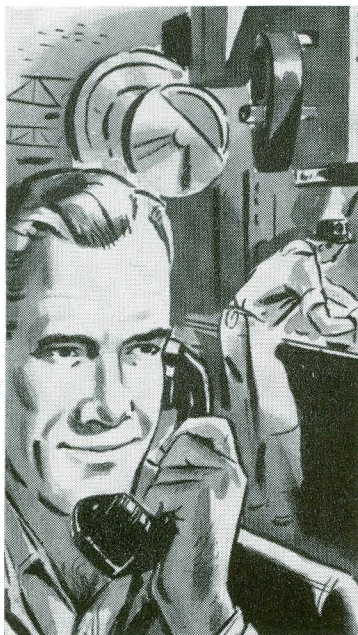
Portable telephones equipped with plugs and wall jacks offer telephone companies a new opportunity for increased revenue in clubs, hotels, large residences. Portable telephone jacks mount in a standard switch box (not furnished) and are provided with a black flush plate. Plug has convenient screw-type terminals.

<i>Cat. No.</i>	<i>Description</i>	<i>Price</i>
AZ-10	Portable Tel. Plug—2-cond.	\$0.65
AZ-11	Jack and Plate—2-cond.	2.48
AZ-12	Portable Tel. Plug—4-cond.	.85
AZ-13	Jack and Flush Plate—4-cond.	2.75

Prices shown are subject to change without notice.



SPECIAL HANDSETS FOR NOISY LOCATIONS . . . PERMIT NORMAL CONVERSATION WITHOUT ENCLOSING BOOTHS



TYPE 25 "ANTI-NOISE" HANDSET

For noisy locations where enclosed booths are not practical

Sidetone is eliminated when the user depresses the non-locking "press-to-listen, release-to-talk" pushbutton. This prevents surrounding noise from entering the transmitter. Releasing the cutout button permits the transmitter to operate normally. Equipped with Neoprene cord, 53" long. When ordering, please specify type of telephone on which the handset is to be used.

Cat. No.	Description	Price
AF-64	Type 25 "Anti-Noise" Handset	\$15.85

TYPE 27B HANDSET

For extremely noisy locations

Sound-powered receiver amplifies incoming voice 12 db; condenser reduces sidetone. Nonlocking "press-to-listen, release-to-talk" pushbutton, located in handle. Cup-shaped mouthpiece catches speech, while excluding most surrounding noise. Straight Neoprene Cord, 53" long. When ordering, please specify type of Telephone on which the handset is to be used.

Cat. No.	Description	Price
AF-69	Type 27B Handset For Noisy Locations	\$36.30

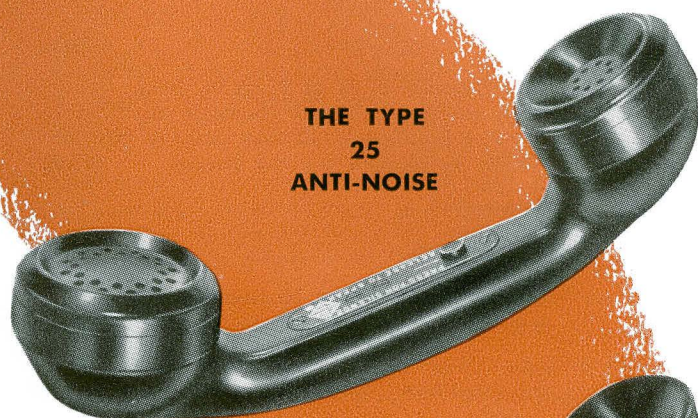
TYPE 38 "ANTI-NOISE" HANDSET

For locations where high-pitched, whining sounds are prevalent

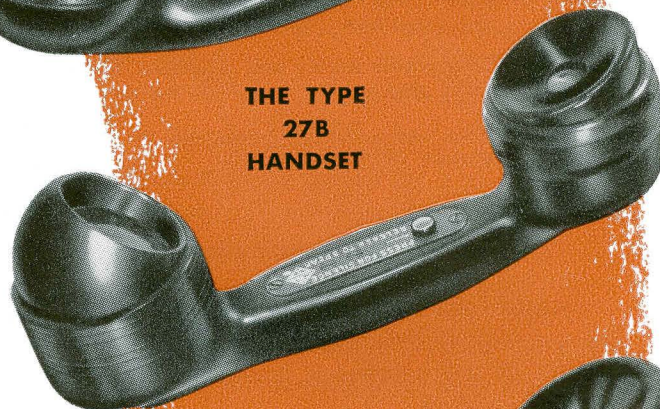
Type 38 employs a special mouthpiece and a damped-diaphragm transmitter to cut out surrounding noise. The voice of the user passes through a small hole in the mouthpiece; other noise is kept out. Supplied with straight Neoprene Cord, 53" long. Handset does not fit Type 80 and 90 telephones.

Cat. No.	Description	Price
AF-12	Type 38 "Anti-Noise" Handset	\$15.85

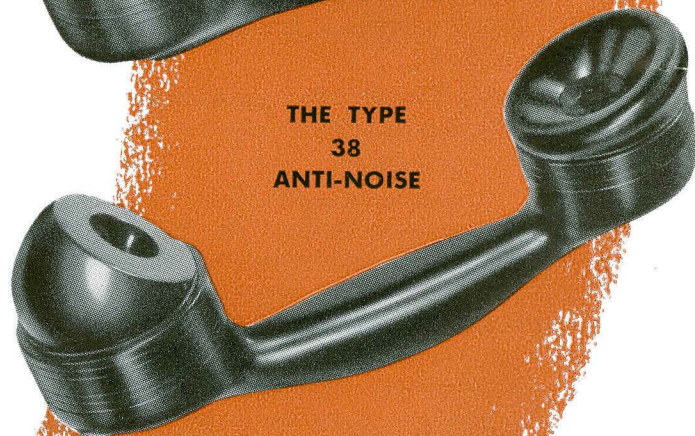
Prices shown are subject to change without notice.



THE TYPE
25
ANTI-NOISE



THE TYPE
27B
HANDSET



THE TYPE
38
ANTI-NOISE

Transistorized Voice Frequency Repeaters For Low Cost, Toll Quality Transmission

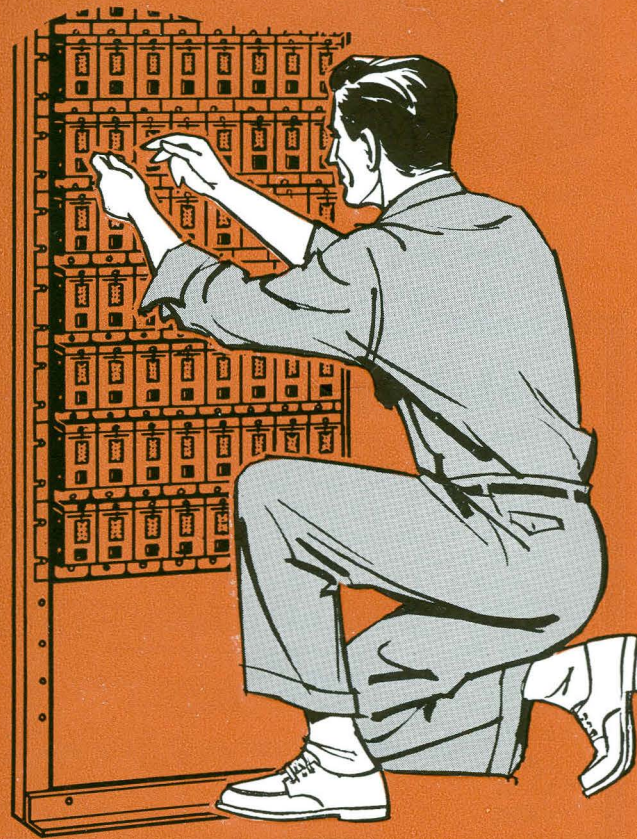
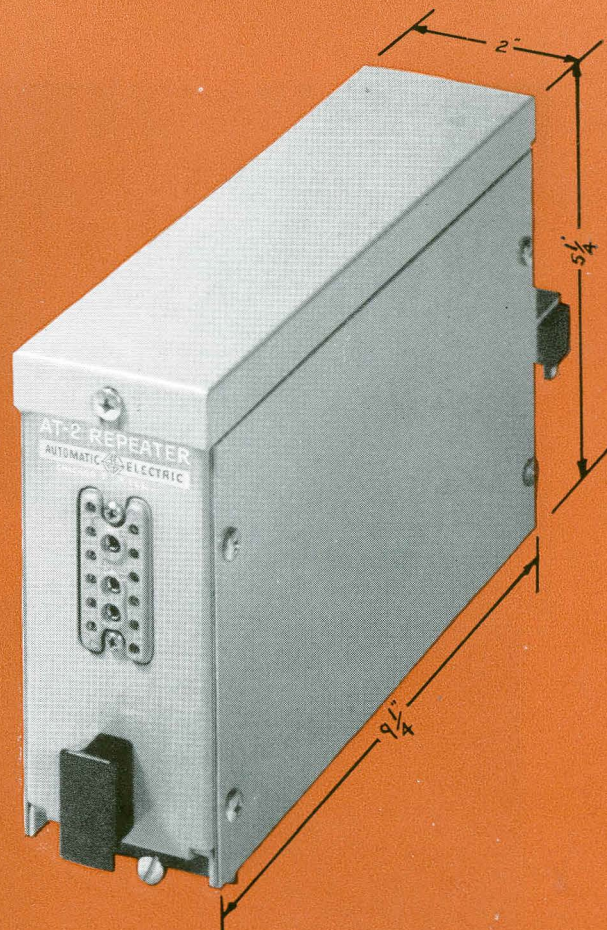
Automatic's Type AT-2 and AT-3 Repeaters provide all the benefits of the negative-impedance principle plus all the advantages of transistorized circuits. They reduce outside-plant cost by allowing you to engineer for smaller gauge cable or wire. In combination, these repeaters overcome up to 85% of line loss, provide up to 14 dB gain.

"Series-type" AT-2 provides possible gain up to 10dB on non-loaded cable lines. On loaded cable lines it is combined with "shunt-type" AT-3, to provide maximum gain of 14 dB at mid-point of line, 12 dB when unit is used as a terminal repeater. Type AT-3 is also used with AT-2 on circuits where excessive impedance discontinuity causes high "echo" or where AT-2 alone would cause other "hybrid coil"-equipped circuits and carrier channels to "sing."

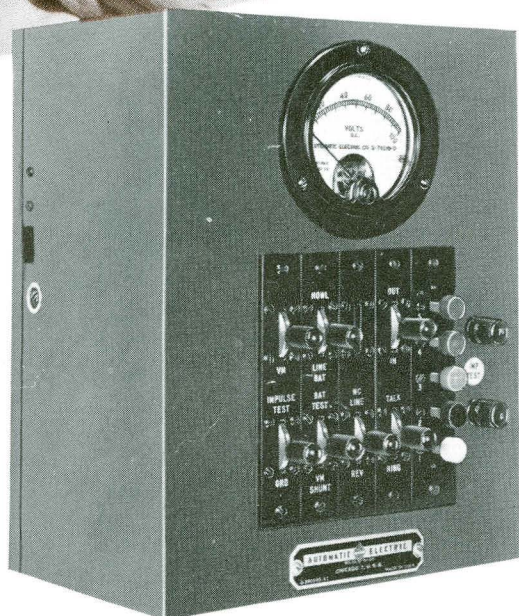
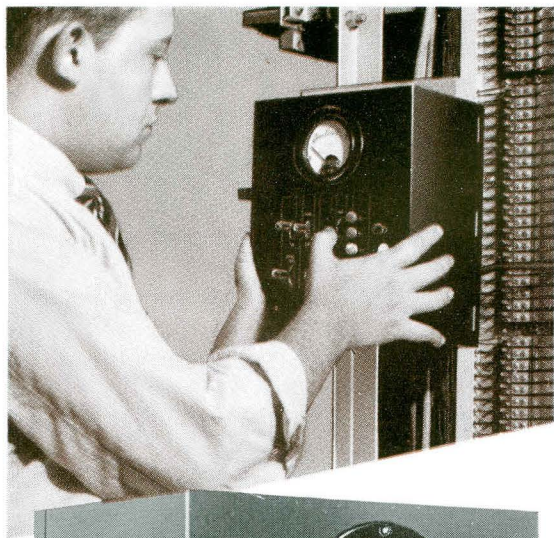
These repeaters can be used also on open-wire circuits, including side circuits of phantom and composite groups. Applications to circuits with superimposed carrier require special consideration as to the correct placement of the repeaters on the circuit.

<i>Cat. No.</i>	<i>Description</i>	<i>Price</i>
VA-10	AT-2 Repeater, "Series"	\$105.00
VA-14	AT-3 Repeater, "Shunt"	105.00

Prices shown are subject to change without notice.



If your company is planning to install twenty-five or more of these repeaters, Automatic Electric's special Installer's set will simplify the job for your employees and save you money. Write for complete specifications and prices.



TYPE 22 WIRE CHIEF'S TEST UNIT

Tests and locates troubles on subscriber's lines and inter-office trunks.

PROVIDES THESE FEATURES:

1
2
3

Receives and originates calls between test attendant and outside lines, independent of test circuit.

Used in conjunction with associated equipment, it establishes talking circuit, provides for monitoring or ringing, checks dial speeds, gives howler tone for "off-hook" trouble.

Makes these voltmeter tests: Reading Test Battery Voltage, Loop-Test—No Battery on Voltmeter, Switchboard Test, Loop Test—Battery on Voltmeter, Capacitance Across Line, from Ring to Ground, from Tip to Ground, test for Ground on Ring and Ground on Tip, Negative Potential on Ring, Leak across Tip and Ring, Leak from Ring to Ground, Tip to Ground, Voltmeter Shunt, test for Crosses Between Lines.

Designed for use in any type of exchange, this unit detects grounds, opens, crosses and shorts *before* they have a chance to disturb service. You save money, your subscribers get better service.

Easily handled (weighs only 9 lbs.), the Type 22 Test Unit can be mounted anywhere, operated by anyone. Tests are controlled by lever keys that complete a circuit to the voltmeter, which in turn indicates the line condition.

The Test Unit may be used with any standard telephone or ringer, or with a hand test telephone. Lines to be tested are brought into the unit with a cord which may have a test shoe to connect the lines at the protectors, or a plug to fit manual switchboard jacks.

Cat. No.	Description	Price
TE-22	Type 22 Wire Chief's Test Unit for single-frequency ringing.	\$165.00
TE-23	Type 22 Wire Chief's Test Unit with 5 harmonic-ringing keys.	175.00
Following accessories also available:		
TA-10	Hand Test Telephone	23.05
TA-74	Howler	83.00
TB-12	Impulse Test Set (Dial Speed Test)	250.00

Shell Type Repeating Coils

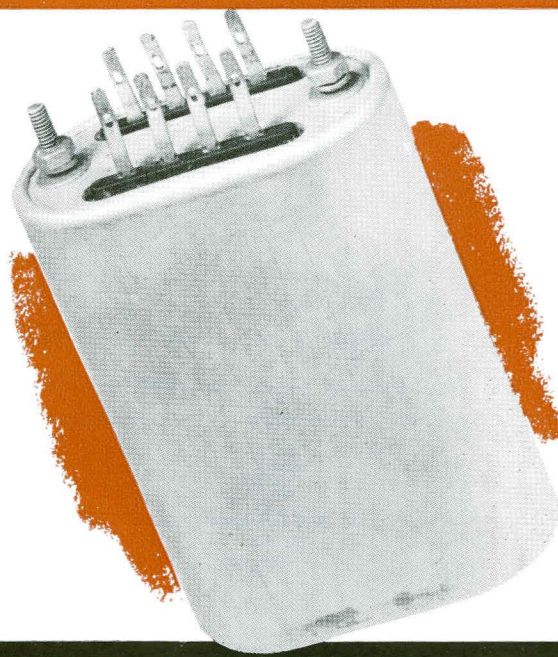
Suitable for terminating side circuits of phantom group trunks at subscribers offices and at toll offices when non-repeated and composite signaling is used.

These non-ring-through, battery-feed-type coils are recommended for any application where high grade voice transmission is desirable.

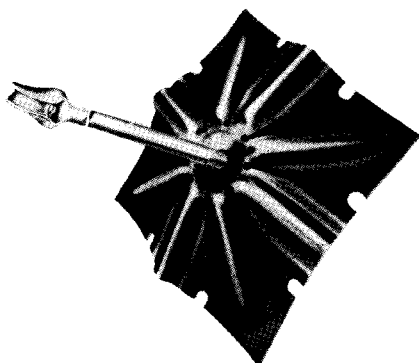
Accurate windings provide the highest degree of magnetic balance to prevent crosstalk. Maximum transmission efficiency obtained with nickel iron cores. Entire unit is enclosed in metal shell for effective magnetic shielding.

Cat. No.	Type	Impedance Ratio	Price
LA-73	1200H	1 :1	\$11.20
LA-74	1200J	1.5:1	11.20
LA-75	1200K	1 :1.5	11.20
LA-76	1200L	1 :2.5	11.20
LA-77	1200G	1 :1.5	14.90
		1 :2.5	14.90

Prices shown are subject to change without notice.



Chance 8-Way Expanding Anchors

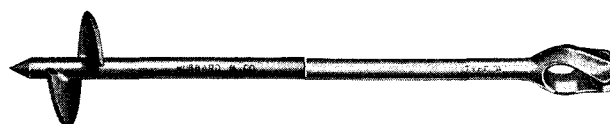


Expanded

Eight steel blades hold heavier load without strain. Asphalt coated. Nut retainer prevents losing nut.

<i>Cat. No.</i>	<i>Hole Size, In.</i>	<i>Rod Size, Inches</i>	<i>Area Expanded, Sq. Inches</i>	<i>Lbs. per 100</i>	<i>Price Each</i>
S-2039	6	1/2 or 5/8	60	435	\$1.45
S-2037	6	1/2 or 5/8	70	504	1.85
S-2038	8	5/8 or 3/4	100	875	2.35
S-2040	8	5/8 or 3/4	115	887	2.60
S-2041	8	5/8 or 3/4	135	952	2.90

Galvanized Steelwing Anchors



Just screw into ground. No special tools needed to install. Excellent for light guying.

<i>Cat. No.</i>	<i>Wing Diam., In.</i>	<i>Length, Ft.</i>	<i>Lbs. per 100</i>	<i>Price Each</i>
S-2098	4	4-1/2	800	\$2.59
S-2102	6	5-1/2	1040	3.87
S-2104	8	5-1/2	1900	6.57

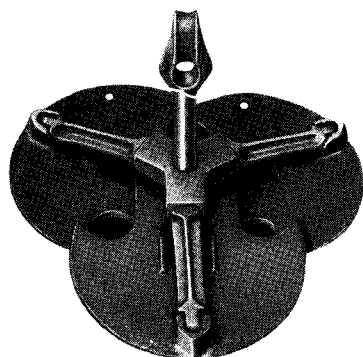
Galvanized Anchor Rods



Use with Chance and Everstick anchors. Standard Package, 10, except S-6168 has 5.

<i>Cat. No.</i>	<i>Diam., In.</i>	<i>Length, Ft.</i>	<i>Lbs. per 100</i>	<i>Price per 100</i>
S-6156	1/2	5	350	\$113.23
S-6158	1/2	6	410	127.45
S-6162	5/8	5	550	155.28
S-6164	5/8	6	650	178.00
S-6166	5/8	7	750	200.71
S-6168	5/8	8	850	223.42

Everstick Expansion Anchors

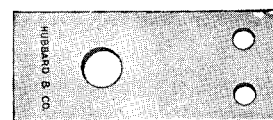


Easily installed. Expanded by striking with bar. Two types: two-way and three-way. Use standard anchor rod.

<i>Cat. No.</i>	<i>Type and Size, Inches</i>	<i>Rod Size, Inches</i>	<i>Area Expanded, Sq. Inches</i>	<i>Lbs. per 100</i>	<i>Price Each</i>
S-2030	Two-way, 6	*	55	680	\$1.78
S-2042	Three-way, 6	5/8	65	780	2.15
S-2045	Three-way, 8	5/8	90	1100	2.67
S-2051	Three-way, 8	3/4	125	1450	3.67

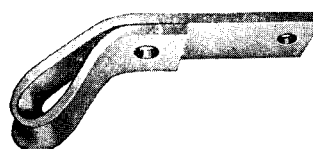
*Either 1/2 or 5/8 inch rod size.

Galvanized Guy Plates



<i>Cat. No.</i>	<i>Bolt Dia., In.</i>	<i>Plate Size, In.</i>	<i>Std. Pkg.</i>	<i>Lbs. per 100</i>	<i>Price per 100</i>
S-5712	5/8	2-1/2 x 7 x 3/16	100	94	\$29.01

Galvanized Guy Straps

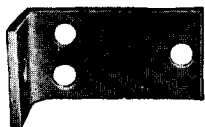


Take strand up to 1/2" diameter. Top hole, 9/16"; bottom hole, 13/16". Box of 50.

<i>Cat. No.</i>	<i>Size, In.</i>	<i>Lbs. per 100</i>	<i>Price per 100</i>
S-2262	1/4 x 1-1/2 x 7	107	\$50.90

Prices shown are subject to change without notice.

Galvanized Distributing Brackets



Two types, for either house or pole. Bolts and knobs not furnished unless specified. Standard package, 100.

Cat. No.	Type	Leg Size, In.	Lbs. per 100	Price per 100
S-3112	House	2 x 3-7/16	57	\$19.33
S-3116	Pole	2 x 4	92	26.46

Galvanized Eye Nuts



Convert machine bolts, double-arming bolts, carriage bolts, or other standard bolts to eye bolts.

Cat. No.	Dia. Bolt	Std. Pkg.	Lbs. per 100	Price, per 100
S-5548	1/2"	50	126	\$55.39
S-5550	5/8"	50	116	55.39

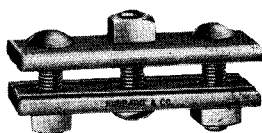
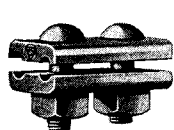
Angle Bolt Eye



Attach to bolt for fastening guy wire. For 1/2" strand or under. Bolt diameter is 5/8".

Cat. No.	Std. Pkg.	Lbs. per 100	Price, per 100
S-2164	50	118	\$62.24

Galvanized Guy Clamps



Elliptical bolt shoulder and bolt holes prevent turning when nut is tightened.

Light Type

Cat. No.	Std. Pkg.	No. Bolts	Length, Inches	Strand Size, Inches	Lbs. per 100	Price per 100
S-3516	100	1	1-3/4	1/8-3/16-1/4	48	\$24.56
S-3518	50	2	3-3/4	1/8-3/16-1/4	106	40.09
S-3520	50	3	5-3/4	1/8-3/16-1/4	160	57.39

Medium Type

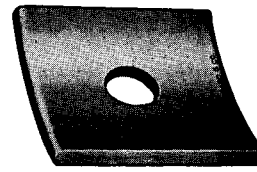
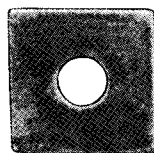
S-3522*	100	1	1-7/16	3/16-1/4-5/16	62	24.56
S-3524	50	2	3-3/8	3/16-1/4-5/16	132	44.31
S-3526	50	3	4	3/16-1/4-5/16	176	59.56
S-3530	25	3	6	5/16-3/8-7/16	246	75.19

Heavy Type

S-3534	25	3	6	5/16-3/8-7/16	284	90.42
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*S-3522 has square bolt head and bolt hole to minimize tipping as bolt is tightened.

Galvanized Washers



Round Washers

Cat. No.	Std. Pkg.	Outside Dia., In.	Hole Dia., In.	Lbs. per 100	Price per 100
S-7700	5000	1	7/16	1.7	\$1.14
S-7702	2500	1-1/4	1/2	2.3	1.62
S-7704	2000	1-3/8	9/16	4.5	2.28

Square Washers

2x2x1/8 inches. Standard package, 500.

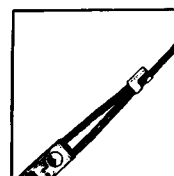
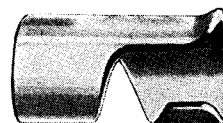
Cat. No.	Hole Dia., In.	Lbs. per 100	Price per 100
S-7707	9/16	14.4	3.97
S-7708	11/16	14.3	3.97

Curved Washers

2-1/2 x 2-1/2 x 3/16 inches; 5/8" hole.

Cat. No.	Std. Pkg.	Lbs. per 100	Price per 100
S-7722	250	33	9.16

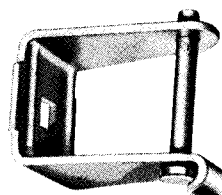
Galvanized Servisleeves



Serve-up strand ends without tools. Standard pkg., 1000.

Cat. No.	Length In.	For Strand Size, In.	Lbs. per 100	Price, per 100
S-6783	1-3/8	1/4	3	\$7.27
S-6784	1-1/2	5/16	5	7.27
S-6786	1-3/4	3/8	7	8.21

Chance Terminal Bracket

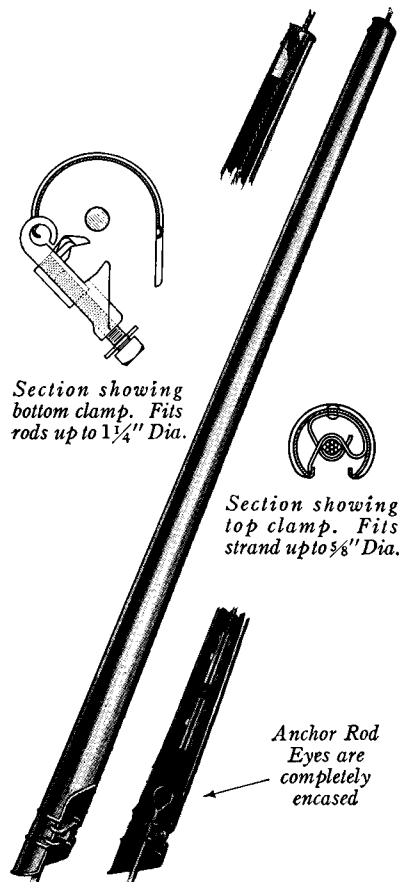


Galvanized; for dead-ending and terminals. Mounts with 3/8" carriage bolt. Order insulator separately.

Cat. No.	Description	Std. Pkg.	Lbs. per 100	Price, per 100
S-3130	Bracket only	100	35	\$27.23
S-4922	Insulator	50	38	12.00

Prices shown are subject to change without notice.

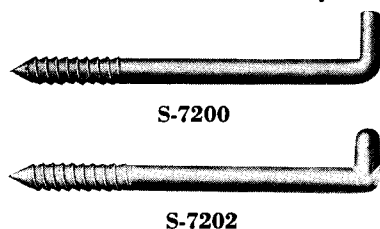
Galvanized Guy Wire Protectors



Full or half-round, 18-gauge steel. Easy installation, will not slip, ample clearance for hardware. Length 7', standard package, 2.

Cat. No.	Style	Lbs., Ea.	Price per 100
S-5978	Half-round	10-1/2	\$367.96
S-5982	Full-round	12	440.70

Galvanized Pole Steps



Standard and long-hook types, 5/8" dia., 10" long. Long-hook type (S-7200) used at points where lineman stands to work.

Cat. No.	Std. Pkg.	Lbs. per 100	Price per 100
S-7202	100	95	\$29.90
S-7200	50	115	41.54

Flat Crossarm Brace



Galvanized 1-7/32 x 7/32 in. steel; 7/16 in. hole at one end, 9/16 in. at other. Standard package, 20.

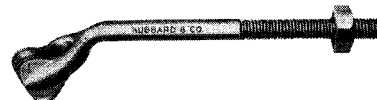
Cat. No.	Length	Lbs. per 100	Price, per 100
S-3038	22"	144	\$38.18
S-3040	24"	157	41.40
S-3042	26"	170	44.60
S-3046	30"	196	51.13

Straight Eye Bolts



Cat. No.	Dia., In.	Lgth., In.	Std. Pkg.	Lbs. per 100	Price, per 100
S-2753	5/8	8	50	131	\$59.20
S-2755	5/8	10	50	148	63.27
S-2757	5/8	12	50	165	67.33

Angle Eye Bolts



Eye is 5/8" diameter. Standard package of 50.

Cat. No.	Lgth., In.	Lbs. per 100	Price, per 100
S-2776	6	116	\$57.47
S-2777	8	135	61.53
S-2779	10	152	65.57
S-2781	12	169	69.61

Machine or Through Bolts



Cat. No.	Size, In.	Thread Lgth., In.	Std. Pkg.	Lbs. per 100	Price, per 100
S-2858	3/8 x 3	3	500	12.8	\$ 6.28
S-2860	3/8 x 3-1/2	3	500	14.3	6.69
S-2862	3/8 x 4	3	500	15.6	7.09
S-2864	3/8 x 4-1/2	3	500	16.9	7.42
S-2868	3/8 x 5-1/2	3	250	19.5	8.41
S-2878	1/2 x 4-1/2	3	200	33.3	12.51
S-2880	1/2 x 4-3/4	3	200	34.4	13.56
S-2885	1/2 x 6	3	200	40	14.49
S-2886	1/2 x 8	4	100	49.5	20.51
S-2890	1/2 x 10	4	100	56.0	22.70
S-2892	1/2 x 12	4	100	69.0	25.00
S-2900	5/8 x 8	4	100	82.0	27.35
S-2902	5/8 x 10	4	50	98.0	30.84
S-2904	5/8 x 12	4	50	112.0	34.43

Prices shown are subject to change without notice.

Galvanized Double-Arming Bolts



Cat. No.	Size, In.	Std. Pkg.	Lbs. per 100	Price, per 100
S-2836	5/8 x 12	50	138	\$47.57
S-2838	5/8 x 14	50	154	51.38
S-2840	5/8 x 16	25	168	55.18
S-2842	5/8 x 18	25	183	59.01

Galvanized Carriage Bolts



Cat. No.	Size, In.	Std. Pkg.	Lbs. per 100	Price, per 100
S-2800	3/8 x 3	500	13.1	\$5.66
S-2802	3/8 x 3-1/2	500	14.6	6.14
S-2804	3/8 x 4	500	15.9	6.54
S-2806	3/8 x 4-1/2	250	17.2	6.98
S-2809	3/8 x 5-1/2	250	19.8	7.88
S-2810	3/8 x 6	250	21.1	8.32
S-2811	3/8 x 8	250	26.3	12.87
S-2812	3/8 x 10	250	31.1	15.14
S-2813	3/8 x 12	250	35.9	17.64
S-2822	5/8 x 6	100	70.0	22.73

Galvanized Lag Screws



Gimlet Point

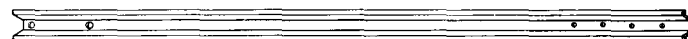


Fetter Drive

Gimlet point on 1/4" and 5/16" sizes. Fetter drive threads on larger sizes.

Cat. No.	Size, In.	Std. Pkg.	Lbs. per 100	Price, per 100
S-6482	1/4 x 2	2000	3.1	\$4.70
S-6484	1/4 x 2-1/2	2000	3.6	5.08
S-6486	5/16 x 2	1000	4.8	5.22
S-6488	5/16 x 2-1/2	1000	5.6	5.59
S-6490	5/16 x 3	1000	6.5	6.14
S-6493	3/8 x 2-1/4	1000	8.1	5.69
S-6494	3/8 x 2-1/2	1000	8.7	5.86
S-6496	3/8 x 3	1000	10.0	6.28
S-6508	1/2 x 3	250	18.2	8.36
S-6510	1/2 x 3-1/2	250	20.6	9.04
S-6512	1/2 x 4	250	22.8	9.71
S-6514	1/2 x 4-1/2	250	25.0	10.35

Pole Extension Fixture



Provides clearance needed for line and drop wires. Steel, with holes at top and bottom.

Cat. No.	Length, Feet	No. per Bundle	Lbs. per Bundle	Price, Each
S-4208	6-1/2	5	43	\$1.20

Aluminum Letters and Numbers



Available in sizes from 1/2" to 6" in increments of 1/2". Order size and number needed. Price on application.

Aluminum Pole Tags



Standard style lettering as illustrated; special designs upon request. Price on application.

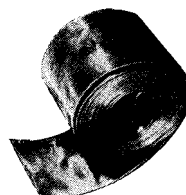
Cat. No.	Letter Size, In.	Plate Width, In.
78	7/8	1-3/4
787 (two lines)	7/8 and 7/16	1-3/4
716	7/16	3/4
114	1-1/4	2-1/4
12 (illustrated)	1/2	3/4

Cable Suspension Clamps



Galvanized. Use 5/8" Through Bolt for attaching to pole. Take 1/4 to 7/16 inch strand.

Cat. No.	Type	Length, In.	Lbs. per 100	Price per 100
S-3416	1-bolt	2-3/8	73	\$23.70
S-3418	3-bolt	5-5/8	198	71.37



Lead Serving Tape

Standard one pound roll.

Cat. No.	Width	Thickness	Price
S-7444	1-1/2"	.025"	\$0.48

Prices shown are subject to change without notice.

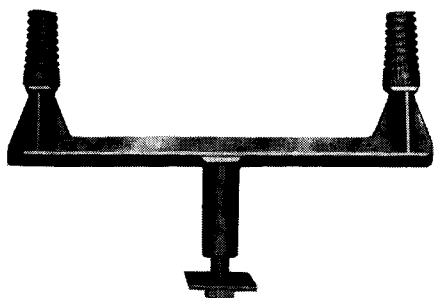
W. U. Wood-top Steel Pins



Of high-carbon steel, galvanized; for transposition brackets. Pins are 4¼" above shoulder, 1½" below. Use standard insulators with 1" pin hole.

<i>Cat. No.</i>	<i>Diam.</i>	<i>Std. Pkg.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-5698	1/2"	100	49	\$33.00

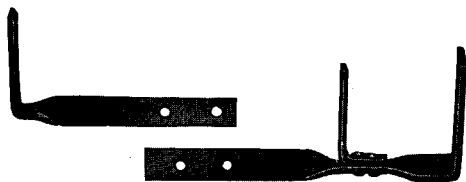
Aluminum Transposition Bracket



Complete and ready to install on crossarm. Used on span lengths of 150 ft. or more, and at corners where pull is not more than 15 ft. Suitable for all voice-frequency transposition designs, especially "R" Scheme—also AE-150 Scheme in dry areas.

<i>Cat. No.</i>	<i>Lbs. per 100</i>	<i>Price, Each</i>
S-3154	250	\$1.98

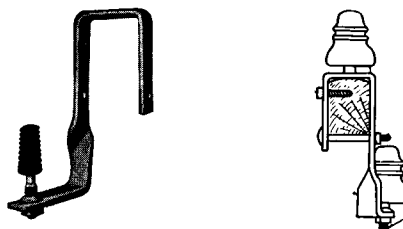
Two-Piece Transposition Bracket



For phantom circuits. Standard, galvanized steel bracket; mounts on standard 3¼ x 4¼" crossarm. Holes ½" in diameter. Bolts and pins not included.

<i>Cat. No.</i>	<i>Size Steel, In.</i>	<i>Std. Pkg.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-3157	1-1/2 x 3/8	10	680	\$263.67

Galvanized Transposition Brackets



Steel, 1¼" x 5/16", galvanized. Have hole for ½" insulator pin, and ⅜" hole for screw to prevent bracket from sliding on crossarm. Standard package, 25.

<i>Cat. No.</i>	<i>Crossarm, In.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-3149	2-3/4 x 3-3/4	220	\$86.30
S-3155	3-1/4 x 4-1/4	240	86.73

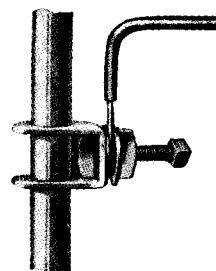
Galvanized Ground Rods



Long, sharp points make them easier to drive. Wired rods have a 5" 12-NBS-104 copper wire soldered to upper end. Unwired rods have hole at top for attaching ground wire. Standard package, 10.

With Copper Wire			
<i>Cat. No.</i>	<i>Size</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-6240	1/2" x 5'	342	\$118.10
S-6244	1/2" x 6'	406	132.71
Without Copper Wire			
S-6238	1/2" x 5'	334	83.61
S-6242	1/2" x 6'	410	98.10

Kling Ground Clamps



Galvanized steel clamps for connecting wires to ground rods.

<i>Cat. No.</i>	<i>For Rod Size</i>	<i>Lbs. per 100</i>	<i>Price per 100</i>
S-5058	3/8" to 1/2"	12-1/2	\$23.50
S-5060	1/2" to 5/8"	20	27.92

Prices shown are subject to change without notice.

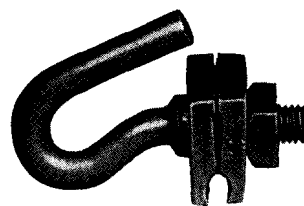
Galvanized Nails and Spikes



Standard flat-head diamond-point nails heavily galvanized. 100 lb. cartons.

<i>Cat. No.</i>	<i>Size</i>	<i>Length, In.</i>	<i>Approx. No. per Keg</i>	<i>Price, per 100 lbs.</i>
S-5396	6d	2	17400	\$21.15
S-5398	8d	2-1/2	10600	20.90
S-5400	10d	3	6900	20.55
S-5402	20d	4	3100	20.45
S-5404	30d	4-1/2	2400	20.45
S-5406	40d	5	1800	20.45
S-5408	50d	5-1/2	1400	20.45
S-5410	60d	6	1100	20.40

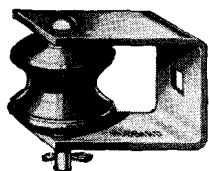
Span Clamp



Used for service connections at points between poles for either suspended or lashed cable.

<i>Cat. No.</i>	<i>Lbs. per 100</i>	<i>Price, per 100 lbs.</i>
S-3421	41	\$33.60

Dead-End Bracket



Mounts with 3/8" carriage bolt. Order insulators separately.

<i>Cat. No.</i>	<i>Description</i>	<i>Std. Pkg.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-3132	Bracket	100	50	\$27.39
S-4925	Insulator	50	28	10.11

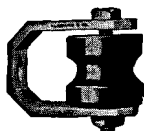
Galvanized Drive Hooks



Used for wire clamp attachments on poles, arms or buildings. Standard package, 200.

<i>Cat. No.</i>	<i>Length, In.</i>	<i>Diam., In.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-4822	5-1/16	7/16	27	\$18.31

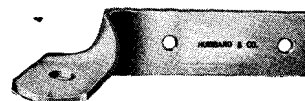
Galvanized Fork



Converts into an insulated fork as illustrated. Mounting hole is 11/16". Standard package, 100.

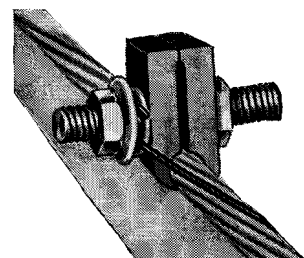
<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-4248	Fork, less insulator	130	\$62.29
S-4931	Insulator	44	10.11

Galvanized Corner Brackets



<i>Cat. No.</i>	<i>Legs</i>	<i>Std. Pkg.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-3100	2-1/4" x 4-3/8"	100	59	\$33.17

Galvanized Cable Lashing Clamp

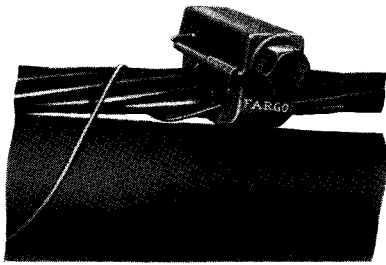


For securing cable lashing wire at span end. Bolt ends peened over to prevent nuts running off.

<i>Cat. No.</i>	<i>Wire Hole Size, In.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>	<i>Cat. No.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-8022	7/8 x 1	65	\$39.80	S-3463	15-1/2	\$20.24

Prices shown are subject to change without notice.

Lashing Wire Clamp



Tough, malleable iron, tin-zinc alloy plated. Holds tight—wire will break before clamp will slip. Capacity from 5/16" through 1/2". Packed 50 per box, 250 per carton.

Cat. No.	Lbs. per 100	Price, per 100
S-3462	15	\$22.33

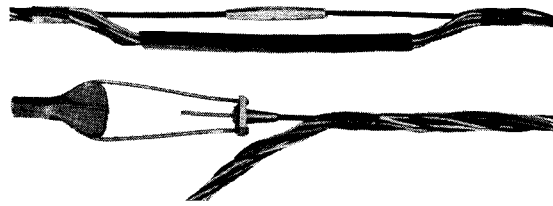
Galvanized Hook Bolt



Use with Pole Extension Fixture and drop wire clips or clamps. Furnished with three nuts.

Cat. No.	Length, Inches	Lbs. per 100	Price, per 100
S-4854	4	8	\$7.20

Reliable Wirelink and Wirevise



Use Wirelink for splicing and Wirevise for deadending either steel, copper, or Copperweld wire.

Wirevise is one-piece design for easy assembly around insulator spools and through thimble eyes.

Wirelink packed with lubricant to prevent corrosion.

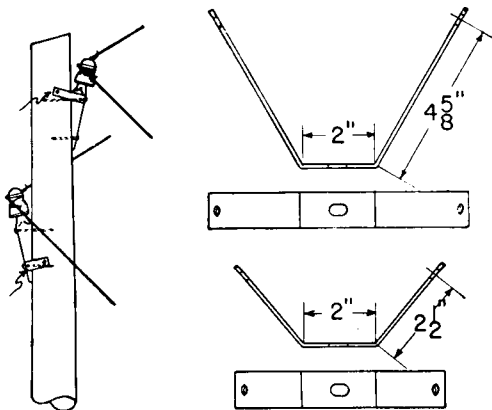
S-7978 is same as S-7966 except for Neoprene covering.

S-7969, S-7966 and S-7978 for No. 12 BWG .109 wire.

S-7974 and S-7976 for Nos. 9 and 10 AWG (.102-.114) wire.

Cat. No.	Description	Lbs. per 100	Price, per 100
S-7969	Wirevise	4-1/2	\$52.50
S-7966	Wirelink	4	35.00
S-7978	Wirelink	5	59.00
S-7974	Wirevise	7-1/2	65.00
S-7976	Wirelink	6-1/2	45.00

Bracket Straps



Longer spans of high strength wire put a greater strain on wood brackets, especially on angles. These bracket straps reinforce the brackets to hold the load securely. The bottom strap is used on an outside bracket and the top strap on an inside bracket, as illustrated. Mounting holes are 5/16". The straps are made of .125 x 1 in. steel, to fit brackets 2 inches wide. Standard package, 250.

Cat. No.	Description	Lbs. per 100	Price, per 100
S-7299	Bottom	21	\$ 9.26
S-7300	Top	33	12.38

Rural Distribution Wire Brackets



Type "B" for straight-line pole mounting and for corner pulls up to 30 feet against the bracket. Type "C" equipped with "U" bolt for mounting on 3 1/4" x 4 1/4" crossarm. Standard package, 20.

Cat. No.	Description	Lbs. per 100	Price, per 100
S-3119	B Wire Bracket	238	\$90.80
S-3121	C Wire Bracket	373	150.96

Adjustable Ground Clamps

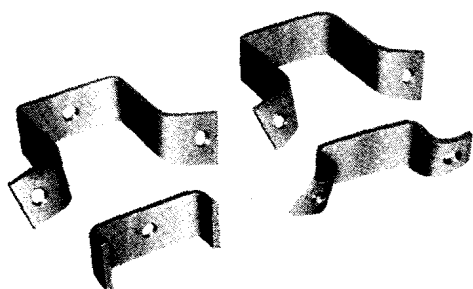


Copper strip with adjustable screw attachment. Clamps on pipe or rod, 3/8 to 1 1/4" diameter.

Cat. No.	Lbs. per 100	Price, per 100
S-3412	6	\$15.75

Prices shown are subject to change without notice.

Galvanized Bracket Straps and Clips



For carrying wood brackets bearing heavy loads—as in long-span construction using high-strength wire. S-7244 and S-3610 are of 14-gauge steel. S-7245 and S-7247—shown at right—are of 12-gauge steel. Standard pkg. 250.

Cat. No.	Description	Width, Inches	Lbs. per 100	Price, per 100
S-7244	Top Strap	1-1/2	17	\$11.75
S-3610	Bottom Clip	1-1/2	8	5.64
S-7245	CU Top Strap	2	25	12.74
S-7247	CL Bottom Strap	2	16	11.75

Fir Crossarms

Specifications (for prices, see below)

3-1/4 x 4-1/4 in.—Standard Crossarms

Cat. No.	Type	Pole Pins, In.	Side Pins, In.	Brace Bolts, In.	Lbs. per 100
120-Inch Length—10-Pin					
S-2183	A	16	12	42	3540
S-2184	B	32	10	42	3540

102-Inch Length—10-Pin

S-2185	16	9-3/4	32	3009
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Six-Foot, Six-Pin

S-2186	16	12	32	2124
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2-3/4 x 3-3/4 in.—Pony Crossarms

Cat. No.	Pin Holes	Lgth. In.	Center Space, In.	Side Pins, In.	Brace Bolts, In.	Lbs. per 100
S-2180	10	102	16	9-3/4	28	2295
S-2179	8	82	16	9-3/4	28	1845
S-2178	6	62	16	9-3/4	28	1395
S-2177	4	42	16	9-3/4	28	945

Prices

	Price, per 100		Price, per 100
S-2183	\$491.75	S-2180	\$349.20
S-2184	491.75	S-2179	271.60
S-2185	442.58	S-2178	232.80
S-2186	284.56	S-2177	155.20

Standard Unpainted Wood Brackets



Cat. No.	Size, Inches	Lbs. per 1000	Price, per 100
S-3136	1-5/8 x 2 x 12	800	\$9.19
S-3140	2 x 2-3/8 x 12	1000	12.46

Creosoted brackets are available on order.

Standard Wood Pole Steps



Cat. No.	Std. Bundle	Size, In.	Lbs. per 1000	Price, per 100
S-7206	20	1-3/4 x 2-3/4 x 7	700	\$6.85

Wood Pins



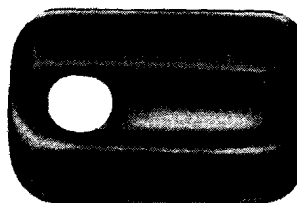
Cat. No.	Size In.	Std. Bag	Diam. Top, In.	Lbs. per 1000	Price, per 100
S-5676	1-1/4 x 8	250	1	325	\$8.54

Telephone Poles

We invite your inquiries on telephone poles—Southern Yellow Pine (Creosoted), Western Red Cedar, and Northern White Cedar.

Specify quantities (minimum carload, approximately 40,000 lbs.), sizes (A.S.A. classification), destination, and name of delivering railroad.

Guy Strain Insulators

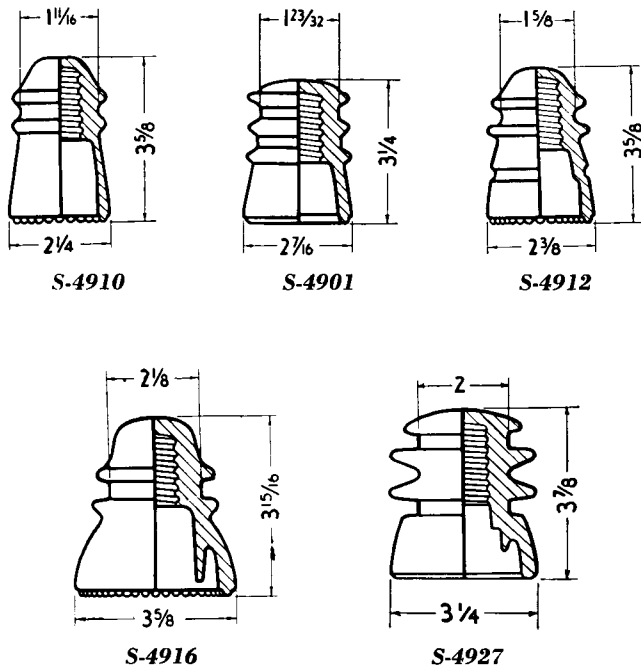


Standard type, wet-process porcelain. Non-porous of high mechanical and dielectric strength. For insulating guy wires and dead-ending distribution circuits. Brown glaze.

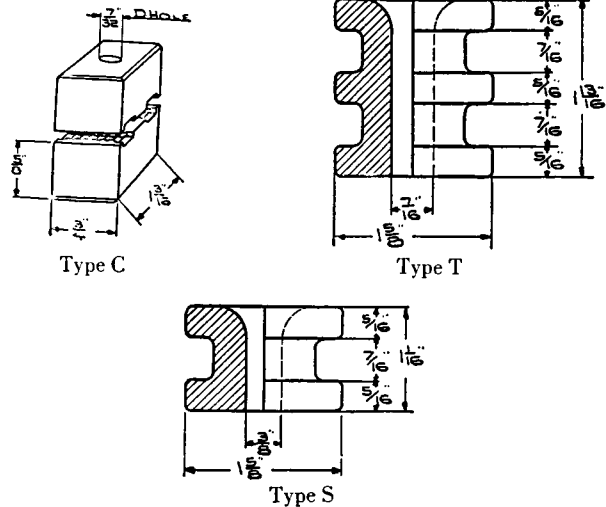
Cat. No.	Std. Pkg.	Dimensions, In. Length	Dia.	Lbs. per 100	Price, per 100
S-4934	50	3-1/2	2-1/2	128	36.60

Prices shown are subject to change without notice.

Glass Insulators

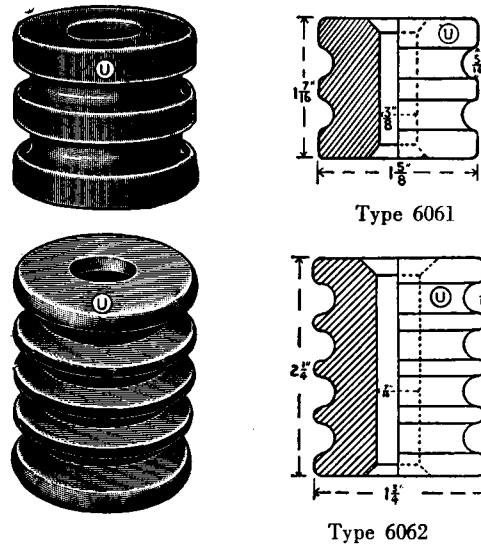


Types "C," "S," "T" Knobs



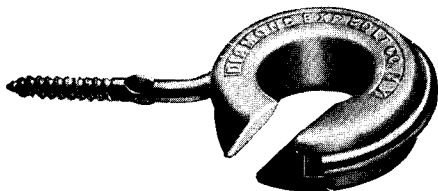
Cat. No.	Type	No. per Carton	Lbs. per 1000	Price, per 100
S-5090	C	100	90	\$4.09
S-5092	S	100	160	4.95
S-5094	T	100	240	7.35

Standard Telephone Knobs



Cat. No.	Type	Groove Dia.	Std. Box	Lbs. per Box	Price, per 1000
S-4910	9 Pony	3/8"	50	29	\$83.75
S-4901	10 Exchange Line	3/8"	50	35	90.75
S-4912	12 Groove Pony	3/8"	50	35	86.60
S-4916	42 Double Petticoat	5/16"	40	66	136.85
S-4927	56 Transposition	3/8"	40	59	198.25

Insulated Screw Eyes

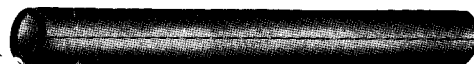


Porcelain eyelet with diagonal opening for easy wire threading. Cartons of 100.

Cat. No.	Eye Diam., In.	Shank, In.	Lbs. per 100	Price, per 100
S-6470	5/8	1	90	\$11.55
S-6472	5/8	2	93	13.65

Cat. No.	Type No.	Grooves	Cartons	Lbs. per 1000	Price, per 100
S-5118	6061	Double	100	210	\$6.85
S-5126	6062	Four	50	400	10.40

Cable Guards



Protect cable and wire where it rubs against brackets. 8" long, slit full-length.

Cat. No.	Size No.	Fits Cable, In.	Lbs. per 100	Price, per 100
S-4522	1/2	3/8 to 5/8	4	\$ 8.50
S-4524	1	5/8 to 1	5	13.50
S-4551	1 1/2	1 to 1 3/4	8 1/2	19.80

Prices shown are subject to change without notice.

Plastic Tubes



Light, non-inflammable, practically unbreakable. Small, 1/2" O.D. Packed 5 per box, about 200 per carton.

<i>Cat. No.</i>	<i>Size, In.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-7583	3/8 x 4	19	\$ 6.30
S-7585	3/8 x 6	25	7.20
S-7587	3/8 x 8	32	8.00
S-7589	3/8 x 12	44	9.80
S-7593	3/8 x 16	56	11.10

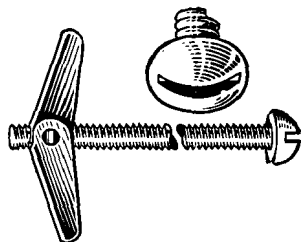
C-R Service Connectors



Connects drop wire to line or interior wire. Use plain or nickel-plated brass for copper-to-copper connections; tinned for iron-to-copper or iron-to-iron.

<i>Cat. No.</i>	<i>Type</i>	<i>Max. Wire AWG.</i>	<i>Wire NBS</i>	<i>Size BWG</i>	<i>Price, per 100</i>
S-3800	Brass N.P.	14	16	—	\$ 8.40
S-3814	Brass	10	12	—	13.25
S-3816	Brass Tin	10	12	12	14.70
S-3818	Brass Tin	—	—	12	14.70

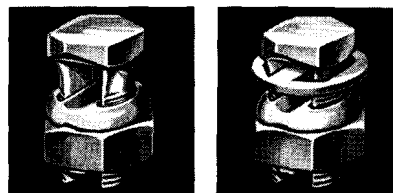
Paine "Spring-Wing" Toggle Bolts



For fastening telephone equipment to hollow walls, floors and ceilings. Effective in brick, tile, lath and plaster. Standard package, 50.

<i>Cat. No.</i>	<i>Size, In.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-2954	1/8 x 3	1-1/2	\$7.40
S-2957	1/8 x 4	1-7/8	8.25
S-2960	3/16 x 3	3-3/4	7.85
S-2963	3/16 x 4	4-1/2	8.25

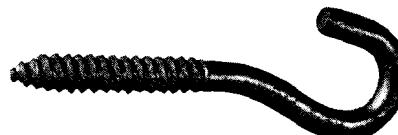
Kearney Connectors



Provide simple bridge or test connections. Standard package 100, weight 2 pounds.

<i>Cat. No.</i>	<i>Type</i>	<i>Max. Wire Size</i>	<i>Price, per 100</i>
S-3824	Cop. to Cop.	12 NBS—10 AWG	\$23.90
S-3830	Iron to Iron	12 BWG	26.30
S-3832	Iron to Cop.	12 BWG—12 NBS	28.40

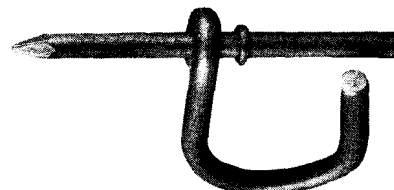
Galvanized House Hook



Used for attaching drop-wires to buildings in conjunction with clamps, drop-wire clips, etc.

<i>Cat. No.</i>	<i>Length, In.</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-4846	4	10	\$6.20

Galvanized Two-Piece Drive Rings



Serves the same purpose as standard bridle rings and drive rings. Drive in with hammer.

<i>Cat. No.</i>	<i>Eye Diam., In.</i>	<i>Hammer Drive Anchor</i>	<i>Lbs. per 100</i>	<i>Price, per 100</i>
S-6090	1/2	3/16 x 7/8	2	\$1.20
S-6086	5/8	1/4 x 1	3	2.20

Galvanized Bridle Rings

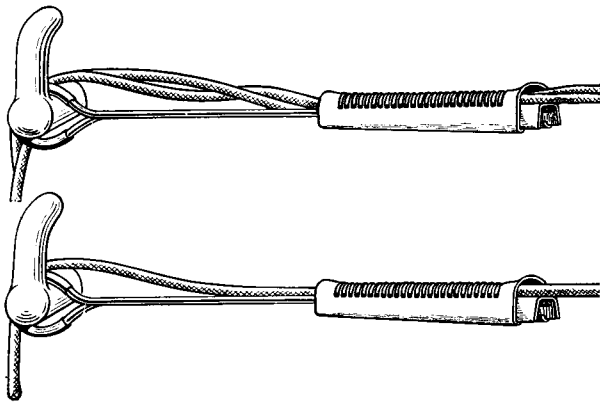


For distributing wire. Wood screw.

<i>Cat. No.</i>	<i>Eye, In.</i>	<i>Shank, In.</i>	<i>Lbs. per 1000</i>	<i>Price, per 100</i>
S-6066	5/8	7/8	35	\$1.80
S-6068	1-1/4	1-1/4	95	4.55

Prices shown are subject to change without notice.

Reliable "P" Drop-Wire Clamps



For attaching twisted pair or parallel drop wire to poles and buildings. "P" clamps prolong life of drop wire, permit free swinging at the tie, place all wear on hardware, and eliminate sharp bends.

Cat. No.	Description	Lbs. per 100	Price, per 100
S-3435	"P-2"—For non-reinforced parallel and twisted pair, Nos. 20-17	5¼	\$13.15
S-3433	"PS-2"—Like above, but with shim	5¾	\$13.65
S-3437	"PR-2"—For reinforced parallel, Nos. 20-18, and twisted pair, Nos. 16-14	6	\$13.65

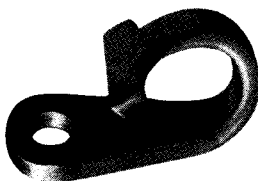
Kearny Drop Wire Snub-R-Grip



Positive snub-grip action; easy to install and easy on the insulation. Used with both twisted pair and parallel drop wire.

Cat. No.	Lbs. per 100	Price per 100
S-4470	12	\$24.15

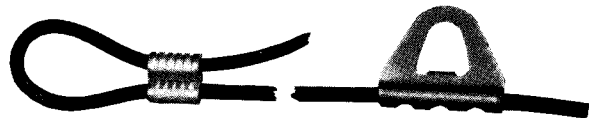
Galvanized Drop Wire Hook



Used with "P" clamps and similar fixtures to attach drop wire. Hook projects 1½" from surface.

Cat. No.	Description	Lbs. per 100	Price, per 100
S-4824	Drop Wire Hook	10	\$14.10

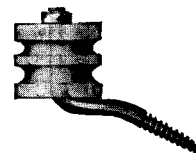
Drop Wire Clips



S-3688 (left) is aluminum, used to secure plastic guards and tubes on wire and to secure wire to itself. Packed 25 per box, 2000 per carton. S-3692 (right) is bronze, for intermediate attachment of drop wire.

Cat. No.	Description	Lbs. per 100	Price per 100
S-3688	Type D	1	\$2.60
S-3692	Type 11452	1-1/2	9.00

Galvanized Angle Fixture Screw



For attaching drop wire to buildings. Order knobs separately. Weight, 10 lbs. per 100.

Cat. No.	Length Screw	Length Shank	Dia. of Shank	Price, per 100
S-4212	1-3/4"	2-1/4"	5/16"	\$10.35

Aluminum Lay-Cit Cable Grip



For dead-ending multiple conductor service cable. Determine slack by spreading plates and adjusting the lacing.

Cat. No.	For Cable Size	Lbs. per 100	Price, per 100
S-4476	3/8"— 5/8"	11-1/2	\$66.00
S-4477	5/8"—1-1/8"	13-1/2	71.50

Hammer-Drive Anchors



No special tools needed; just drill hole, insert shield and drive nail. Aluminum shield furnished complete with nails.

Cat. No.	Size, In.	Drill Size	Lbs. per 100	Price, per 100
S-2115	3/16 x 7/8	3/16"	1	\$4.32
S-2121	1/4 x 1	1/4"	1-1/2	5.40
S-2133	5/16 x 1-3/4	5/16"	3-1/2	8.64

Prices shown are subject to change without notice.

Milonite or Perfection Nails



For installing twisted-pair interior wire.
Packed 100 per box, 10 boxes per carton.
Carton weighs 1 1/4 lbs.

<i>Cat. No.</i>	<i>Size</i>	<i>Color</i>	<i>Price Per 1,000</i>
S-5458	1/2	Brown	\$3.00
S-5462	5/8	Brown	3.00
S-5468	5/8	Green	3.00
S-5470	5/8	Ivory	3.00
S-5479	7/8	Brown	3.00
S-5480	7/8	Ivory	3.00

Fiber Wire or Cord Cleats



Natural color, hard fiber cleats.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. per 1000</i>	<i>Price Per 100</i>
S-3550	1-Single	2-1/2	\$1.50
S-3551	2-Double	2-1/2	1.50

Ground Wire Staples



Galvanized staples with single shank
and flat head. Size, 5/8" x No. 14.

<i>Cat. No.</i>	<i>Std. Pkg.</i>	<i>Lbs. per 1000</i>	<i>Price Per Lb.</i>
S-5524	1 Lb.	2-1/2	\$.80

One-Hole Steel Cable Clamps



Cold-rolled mild steel, annealed and hot-galvanized.
Furnished as illustrated.

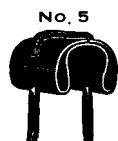
Blake Insulated Staples



3/16 x 1/2



3/16 x 3/4



1/4 x 5/8



1/4 x 3/4

May be driven over several wires without danger of
grounding. Nos. 1 and 5 for hard wood; Nos. 3 and 6 for
general use. Nos. 1 and 3 for twisted pair and single wire;
Nos. 5 and 6 for heavier wires. Packed 100 to container—
10 containers to carton.

<i>Cat. No.</i>	<i>Type No.</i>	<i>Size, In.</i>	<i>Lbs. per Carton</i>	<i>Price Per 1,000</i>
S-7152	1	3/16 x 1/2	1-1/2	\$2.20
S-7150	3	3/16 x 3/4	2-1/4	2.20
S-7154	5	1/4 x 5/8	2-1/4	2.20
S-7156	6	1/4 x 3/4	2-1/2	2.30

<i>Cat. No.</i>	<i>Cable Size, In.</i>	<i>Reg. Pipe Size, In.</i>	<i>Mtg. Hole Size, In.</i>	<i>Lbs. per 100</i>	<i>Price per 100</i>
S-3456	3/16		7/32	1	\$.60
S-3472	3/8	1/8	7/32	1	.95
S-3476	1/2	1/4	7/32	1-1/4	1.15
S-3477	9/16		7/32	1-1/4	1.20
S-3478	5/8		7/32	1-1/4	1.25
S-3480	3/4	1/2	9/32	4-1/2	2.85
S-3482	1	3/4	9/32	7	3.45
S-3485	1-1/4	1	9/32	15	4.95
S-3484	1-1/2		9/32	16	6.65

Enameled One-Hole Cable Clamps



Finish is brown enamel, for interior work.

<i>Cat. No.</i>	<i>Cable Size, In. Min. Max.</i>	<i>Lbs. per 100</i>	<i>Price Per 100</i>
S-3499	3/16 to 1/4	3/8	\$.40
S-3500	1/4 to 5/16	1/2	.40
S-3501	5/16 to 7/16	7/8	.80
S-3502	7/16 to 5/8	1-1/4	.80

Ground Wire Cleats and Nails

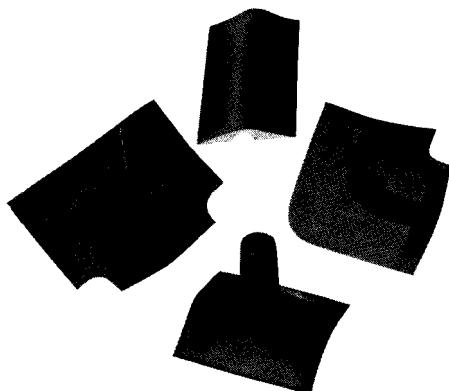


Galvanized 1/8" cleat, 500 per box.

<i>Cat. No.</i>	<i>Description</i>	<i>Wt. per 100</i>	<i>Price</i>
S-3456	Ground Wire Cleat	1 Lb.	\$.50—c
S-5390	Nail	4 Oz.	.24—lb.

Prices shown are subject to change without notice.

Flexiduct

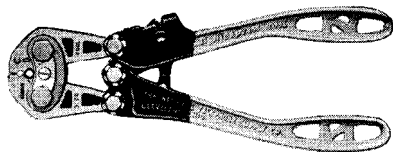


A superior floor duct made of rubber. Quickly and easily applied in any desired length by cementing to the floor—thus eliminating noisy and expensive installations. Wiring in Flexiduct is completely protected from all usual hazards; brooms, sweepers and mops can be used with absolute safety, and equipment on casters rolls over it without damage.

Smaller size, No. 1, is 2¾ inches at the base—only 7/16 inches high. Wire chase is ½ inch by ¼ inch and will accommodate from two to eight conductors. Larger size, No. 2, will carry inside wire as well as switchboard cable up to a maximum of ½ inch. "L" and "T" fittings and risers are also made of rubber and are designed for easy installation with either size duct.

Cat. No.	Description	Weight	Price
S-4084	No. 1, 10 ft. length	4 lbs.	\$35.00/100 ft.
S-4085	No. 2, 5 ft. length	4 lbs.	53.00/100 ft.
S-4081	"L" Fitting	4 oz.	.50 each
S-4082	"T" Fitting	4 oz.	.50 each
S-4079	Riser	4 oz.	.50 each
S-4083	Cement, 5 oz. tube	6 oz.	.50 each

Nicopress Type 31 Splicing Tool



For splicing and dead-ending.

Cat. No.	Type	Lbs. Each	Price Each
S-7527	31 DC	2-1/2	\$9.60

Nicopress Type 17-2 Tool



For splicing drop, bridle and inside wires.

Cat. No.	Length	Type	Lbs. Each	Price Each
S-7530	8"	17-2	1/2	\$3.00

Nicopress Reducing Sleeves



Used for splicing two wires of different sizes. Reductions and tool grooves are listed below.

For Copper Wire to Drop, Bridle, Inside and Line Wire

Cat. No.	Gauge B&S to B&S	Use Tool Groove	Type	Lbs. per 100	Price per 100
S-6842	17 to 19,20,22	17-2	2-045 x 036 B	1-1/2	\$4.50
S-6949	12 to 17,18	C	1-080 x 045 C	1-1/2	6.42
S-6953	12 to 14	C	1-080 x 064 C	1-1/2	6.42
S-6957	10 to 17,18	C	1-102 x 045 C	1-1/2	7.50
S-6961	10 to 14	C	1-102 x 064 C	1-1/2	7.50
S-6963	10 to 12	C	1-102 x 080 C	1-1/2	7.50

For Galvanized BB Line Wire

Cat. No.	Gauge BWG to BWG	Use Tool Groove	Type	Lbs. per 100	Price per 100
S-6987	12 to 14	C	4-109 x 083 C	1-1/2	\$8.17
S-6989	12 to 14	D	2-109 x 083 D	2	8.17
S-6993	10 to 12	J	2-134 x 109 J	3	15.70

Reducing Sleeves for Galvanized Line Wire to Drop, Bridle and Inside Wires

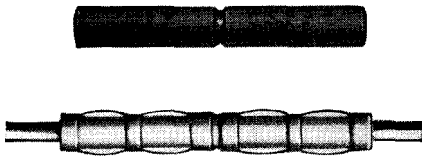
Cat. No.	Gauge BWG to B&S	Use Tool Groove	Type	Lbs. per 100	Price per 100
S-7005	12 to 17,18	C	4-109 x 045 C	2	\$8.17
S-7032	12 to 17,18	D	2-109 x 045 D	2	8.17

Quick-Order Reference for Most Commonly Used Straight Splicing Nicopress Sleeves

Type and Grade of Wire	Sleeve to Order Cat. No.	Type No.	Price per 100
12 BWG Galv. Wire, BB Grade	S-7020	5-109C	\$6.67
12 BWG Galv. Wire, Grade 85	S-7025	5-109D85	9.00
12 BWG Galv. Wire, Grade 135	S-7041	5-109D135	10.50
12 B&S .080" Copperweld	S-6860	1-080D	7.48
10 B&S .102" or .104" Copperweld	S-7010	3-102D	8.10
10 B&S .102" or 12 NBS .104" copper	S-7016	1-102C	4.99
17 or 18 Copperweld or Bronze Drop Wire	S-7018	3-045B	2.25

Prices shown are subject to change without notice.

Nicopress Splicing Sleeves for Communication Lines



Copper Sleeves for Copper Wire

Cat. No.	B&S Gauge	Use Tool Groove	Lbs. per 100	Price per 100
S-7030	14	17-2	1/2	\$2.25
S-6859	14	C	1-1/2	4.09
S-6860	12	D	1-1/2	7.48
S-7016	10 (or 12NBS)	C	1-1/4	4.99

Copper Sleeves for Copperweld Wire

Cat. No.	AWG	Use Tool Groove	Lbs. per 100	Price per 100
S-6860	12	D	1-1/2	\$7.48
S-7010*	10	D	2	8.10

*Bronze sleeve for .102 inch or .104 inch high, or extra high strength Copperweld line wire.

Galvanized Steel Sleeves for BB Galvanized Wire

Cat. No.	BWG	Use Tool Groove	Lbs. per 100	Price per 100
S-7026	14	C	1-1/2	\$6.25
S-7020	12	C	1-1/2	6.67

Galvanized Copper Sleeves for BB Galvanized Wire

Cat. No.	BWG	Use Tool Groove	Lbs. per 100	Price per 100
S-7022	12*	C	1-1/4	\$5.44
S-7003	12†	C	1-1/4	5.44
S-6875	10	J	3	10.47

*Galvanized Bronze Sleeve

†For use with rusty No. 12 BB wire.

Galvanized Steel Sleeves for "85" Galvanized Wire

Cat. No.	BWG	Use Tool Groove	Lbs. per 100	Price per 100
S-7026	14	C	1-1/2	\$6.25
S-7025	12	D	2	9.00

Galvanized Steel Sleeves for "135" Galvanized Wire

Cat. No.	BWG	Use Tool Groove	Lbs. per 100	Price per 100
S-7041	12	D	2-1/2	\$10.50

Galvanized Copper Sleeves for Spinning Wire

Cat. No.	Diameter	Use Tool Groove	Lbs. per 100	Price per 100
S-7079	.045	17-2	1/2	\$3.00
S-6887	.061	C	3/4	4.09
S-7074	.065	C	3/4	4.09
S-6885	.091	C	5/8	4.99

Nicopress Offset Dead-Ends



Copper, for Copper Wire

Cat. No.	B&S Gauge	Use Tool Groove	Lbs. per 100	Price per 100
S-7015	12	C	1-1/2	\$7.48
S-7011	10 (or 12 NBS)	C	1-1/2	8.74

Copper, for Copperweld Wire

Cat. No.	AWG	Use Tool Groove	Lbs. per 100	Price per 100
S-7015	12	C	1-1/2	\$7.48
S-7013*	10	D	2-1/2	14.17

*Bronze sleeve for .102 inch or .104 inch high or extra-high-strength Copperweld line wire.

Galvanized Steel, for BB Galvanized Wire

Cat. No.	BWG Gauge	Use Tool Groove	Lbs. per 100	Price per 100
S-7027	14	C	1-1/4	\$10.95
S-7023†	12	C	1-1/2	9.52

† Indicates Galvanized Bronze Sleeve.

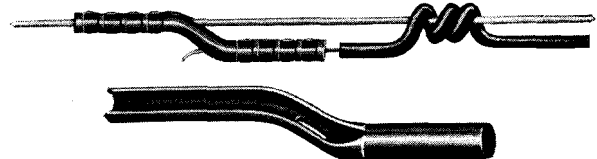
Galvanized Steel, for Galvanized "85" Wire

Cat. No.	BWG Gauge	Use Tool Groove	Lbs. per 100	Price per 100
S-7027	14	C	1-1/4	\$10.95
S-7007	12	D	1-1/2	15.75

Galvanized Steel, for Galvanized "135" and "190" Wire

Cat. No.	BWG Gauge	Use Tool Groove	Lbs. per 100	Price per 100
S-7009	12	D	2-1/2	\$18.37

Nicotap Sleeves



For Steel to Steel

Cat. No.	Gauge BWG to BWG	Use Tool Groove	Lbs. per 100	Price per 100
S-6837	12 to 12	D	2-1/2	\$11.02
S-7283	12 to 14	D	2-1/2	15.78

For Copper, Copperweld and Bronze

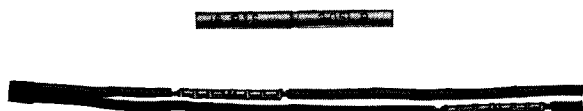
Cat. No.	Gauge B&S to B&S AWG to AWG	Use Tool Groove	Lbs. per 100	Price per 100
S-6832	17, 18, 19 to 17, 18, 19	17-2	1/2	\$ 4.12
S-7149	14 to 17-18	C	2	13.87
S-7251	12 to 17, 18	C	2	13.87
S-7254	12 to 14	C	2	13.87
S-7249	12 to 12	C	2	9.00
S-7257	10 to 17 or 18	D	2-1/2	15.00
S-7259	10 to 16	D	2-1/2	15.00
S-7262	10 to 14	D	2-1/2	15.00

For Steel to Copper, Copperweld and Bronze

Cat. No.	Gauge BWG to B&S	Use Tool Groove	Lbs. per 100	Price per 100
S-6839	12 to 17 or 18	D	2-1/2	\$15.78
S-7281	12 to 14	D	2-1/2	15.78
S-6837	12 to 10	D	2-1/2	11.02

Prices shown are subject to change without notice.

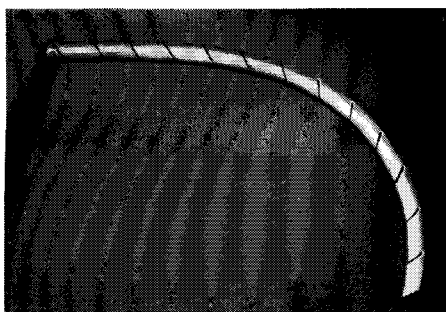
Nicropress Sleeves for Drop, Bridle, Inside Wires or Cables



Using these sleeves is much faster and neater than making a soldered connection. Packed 200 per box.

Cat. No.	Wire Sizes	Type No.	Lbs. per 100	Price, per 100
S-7036	19, 20, 22 B/S Copper	3-036A	1/2	\$2.25
S-7018	17, 18 AWG Copperweld 17 B&S Bronze			
	17, 18 B&S Copper	3-045B	3/4	2.25
S-7031	16 B&S Copper	3-051B	3/4	2.25
S-7030	14 B&S Copper	4-049B	3/4	2.25

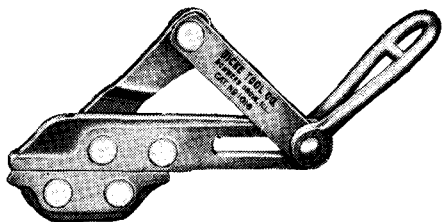
Plastic Tree Wire Guards



Plastic guard is wound into a close helix and can be easily spiraled on existing drops.

Cat. No.	Description	Lbs. per 100	Price per 100
S-4519	Tree Guard	14	\$24.00

Dicke Wire Grip for Bare Wire



Made of cadmium-plated heat-treated alloy steel. Has safe load of 1750 lbs.

Cat. No.	Capacity	Lbs. Each	Price Each
S-4506	6 B&S to 12 B&S	1-1/2	\$3.15

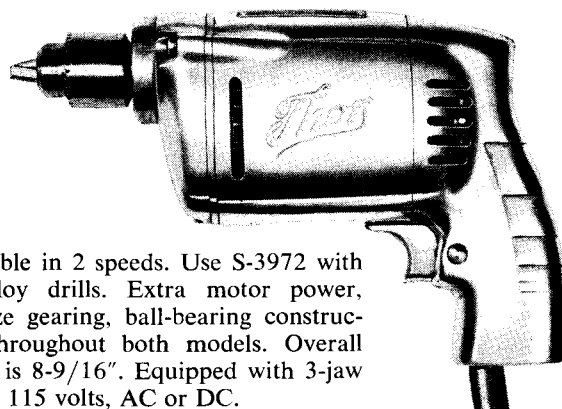
Lead Wood-Screw Anchors



For anchoring wood-screws in cement, brick, glass, tile, etc. Screws furnished separately.

Cat. No.	Size, In.	Drill Size, In.	Lbs. per 100	Price per 100
S-2148	6- 8 x 3/4	1/4	1	\$3.40
S-2150	6- 8 x 1	1/4	1-3/8	3.60
S-2151	6- 8 x 1-1/2	1/4	1-3/4	3.80
S-2154	10-14 x 1	5/16	1-3/4	3.80
S-2155	10-14 x 1-1/2	5/16	2-1/2	5.44
S-2158	16-18 x 1	3/8	2-3/4	4.25

Thor Heavy Duty 1/4" Drill



Available in 2 speeds. Use S-3972 with Carboly drills. Extra motor power, oversize gearing, ball-bearing construction throughout both models. Overall length is 8-9/16". Equipped with 3-jaw chuck. 115 volts, AC or DC.

Cat. No.	Type No.	Speed R.P.M.	Lbs. Each	Price Each
S-3971	U14F	2500	3-7/8	\$44.55
S-3972	U22FD	500	3-7/8	52.65

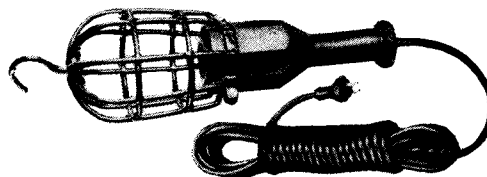
Serviceman's Inspection Light



A completely insulated, flexible 110-volt hand lamp. Neoprene handle and 10 ft. cord are oil-proof.

Cat. No.	Watts	Lbs. Each	Price Each
S-5186	6	1/2	\$2.81
S-5187	15	3/4	4.17

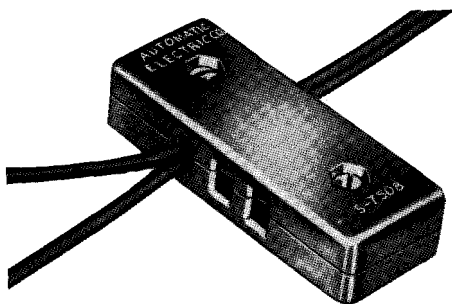
Portable Trouble Lamp



Cat. No.	Description	Lbs. Each	Price Each
S-5188	Trouble Lamp with 25' Cord	2-1/2	\$8.70

Prices shown are subject to change without notice.

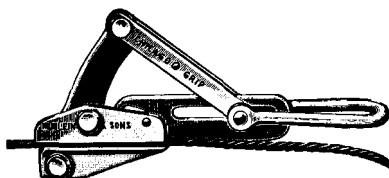
Autelco Parallel Wire Slitter



Insert wire in hole closest to wire size, push separated halves through slit to desired length. Has no exposed blade. For Neotel and other polyethylene or neoprene jacketed parallel drop wire. Cutting blade supplied with tool; for replacement, use single-edge razor blade.

Cat. No.	Description	Weight	Price Each
S-7508	Wire Slitter	2 Oz.	\$1.75

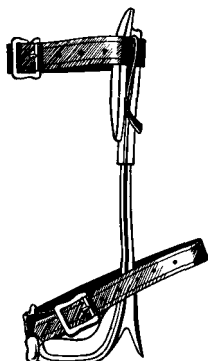
Chicago Grips for Cable and Strand



Grip is strong and positive. The harder the pull the tighter the hold.

Cat. No.	Safe Load, Lbs.	Min. Open., In.	Lbs. Each	Price Each
S-4494	8,000	7/32	6	\$9.60

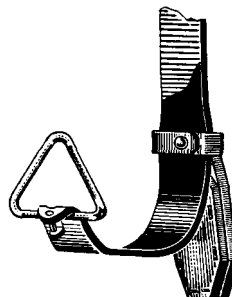
Brooks Adjustable Climber



One size fits all men. Gaffs are interchangeable with either 1½ or 2 inch points and are securely fastened with locking buckle and steel taper pin. Gaffs and shanks are made of drop-forged alloy and manganese steels. Straps and pads are made of high-quality leather.

Cat. No.	Description	Lbs. Each	Price Per Pair
S-3589	Climber with 1-1/2" gaffs, straps and pads	3-1/4	\$20.75
S-3591	1-1/2" gaffs, only, pair	1/2	4.95
S-3593	2" gaffs only, pair	1/2	4.95
S-7296	Pair of straps and pads	1-1/2	5.90

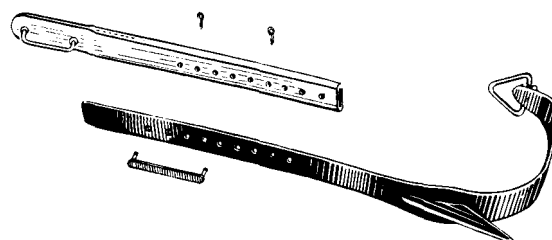
Klein's Climber Gaff Guards



Flexible straps with snaps fasten around leg iron. Made of harness leather, riveted construction.

Cat. No.	Description	Lbs. per Doz. Prs.	Price Per Pair
S-4515	Gaff Guards	2	\$0.80

Klein Adjustable Climbers



Adjustable from 15" to 18", 3½" gaffs. Forged steel, individually tempered and tested.

Type 1945 Adjustable Climbers

Cat. No.	Description	Price Per Pair
S-3565	"Pole Master" climbers less straps and pads. Matched pairs. Triangular strap rings at ankle. 3-1/4 lbs.	\$ 9.60
S-3595	"Pole Master" climber assembly with straps and pads. Triangular strap rings. Equipped with S-7347 calf straps, S-7301 ankle straps, and S-5596 climber pads. 3-3/4 lbs.	17.20

Type 1907 Adjustable Tree Climbers



S-3575	Climbers less straps and pads. Extra-long gaffs for tree climbing. Riveted strap loops. 4-1/4 lbs.	\$9.10
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Ankle Straps



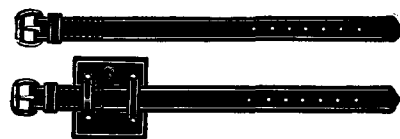
Cat. No.	Size, In.	Lbs. per Doz. Prs.	Price Per Pair
S-7301	1 x 24	8-1/2	\$3.80

Prices shown are subject to change without notice.

Klein's Straps and Pads for Climbers

Set consists of two upper and two lower straps, 1¼ x 22 inches. Two square pads, 4 x 4 inches.

Cat. No.	Lbs. per Doz.	Price
S-7286	20	\$5.80



Long Type and Angle Shape Climber Pads

Long pads are 9½" x 3½". Angle pads are 8" x 8" of padded latigo leather (not shown).

Cat. No.	Description	Lbs., Per Doz. Prs.	Price Per Pr.
S-5595	Angle Shape	12	\$4.40
S-5596	Long Type—Plain Leather	5	1.65

Klein's Climber Straps

Cat. No.	Dimensions, In.	Lbs. per Doz. Prs.	Price Per Pr.
S-7347	1 x 22	6	\$2.25
S-7292	1¼ x 22	8	2.45
S-7348	1 x 26	8	2.40



Klein's Safety Straps

"Klein Kord" is made of four plies of heavy, closely-woven, long-fiber cotton, laid in rubber and vulcanized. Red center ply for safety warning.

Cat. No.	Size	Lbs., Per Doz.	Price
S-7248	1¾ in. x 5 ft. 8 in.	36	\$10.80



Klein's Safety Tool Belts

Made of select first quality harness leather. The cushion, 3½" wide, carries the "D" rings. Outer layer is 1½" wide, formed into tool loops by riveting to the cushion. It also passes through the "D" rings and is furnished with drop-forged buckle.

"D" rings are solid steel drop forgings. Wear surfaces of the "D" rings protected with copper safety liners, riveted through full thickness of belt. Rivets are solid copper, set with burrs, sewing is lockstitched, hot-waxed linen thread. "D" rings and buckle have galvanized finish.

Belt weighs three pounds.

Cat. No.	Size	Price
S-2427	38"	\$9.30
S-2428	40"	9.30
S-2429	42"	9.30

Cushion—4½" wide at center of back and tapered to 3½" at front—is soft, pliable, russet, latigo leather, doubled to form comfortable, rolled edges.

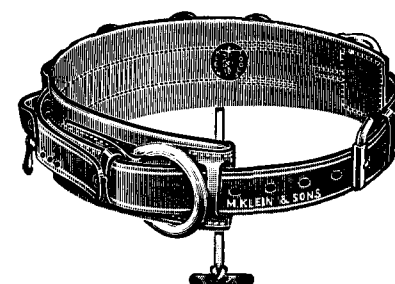
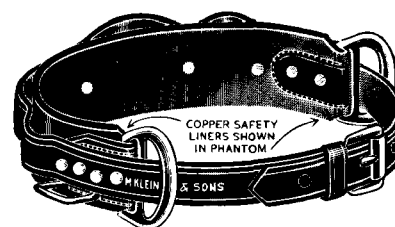
Body strap is first quality, russet, harness leather, 2" wide, stitched to cushion at back and passing through loops at end of cushion and through the "D" rings. Russet, harness leather tool strap, 1¾" wide, with 5 loops in the 1¼" loop strap, is carried on leather hangers from body strap. No rivets are exposed on body side.

"D" rings and buckle of single bar, solid steel drop forgings, galvanized and tested to 1,400 pounds.

Fitted with knife snap, tape thong and pouch ring.

Belt weighs four pounds.

Cat. No.	Size	Price
S-2457	38"	\$19.90
S-2458	40"	19.90
S-2459	42"	19.90



Prices shown are subject to change without notice

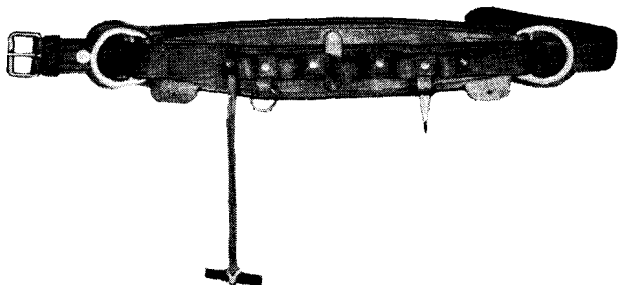
Klein Safety Strap



Standard, 1 3/4" wide, leather with copper rivets. Galvanized snaps and buckle tested to 1500 lbs.

Cat. No.	Size	Lbs. per Doz.	Price Each
S-7260	1-3/4 in. x 5 ft. 8 in.	32-1/2	\$9.60

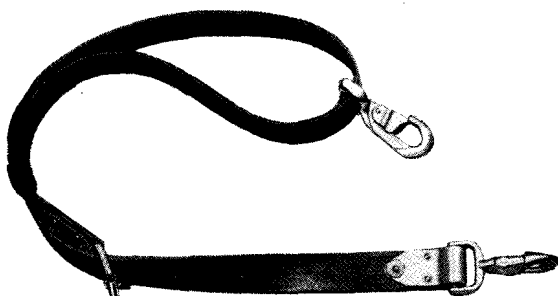
Buhrke Nylon Safety Belt



Four-ply woven nylon, bonded and vulcanized in Neoprene, stitched with heavy nylon. Two inner plies are red for safety warning. Breaking strength exceeds 1,000 lbs. Saddle lining is top-grain elk leather, 5" wide, cushioned, rolled along edges. Rivets and burrs solid copper, not exposed on body side.

Cat. No.	Size, In.	Lbs. Each	Price Each
S-2442	38	3-1/2	\$18.15
S-2447	40	3-1/2	18.15
S-2449	42	3-1/2	18.15

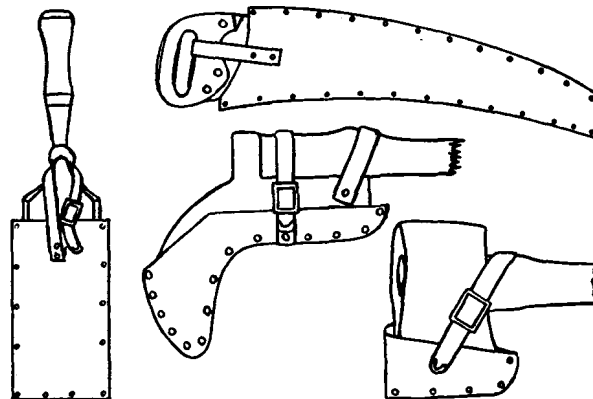
Buhrke Nylon Safety Strap



Six-ply, 1 3/4" woven nylon, bonded and vulcanized in Neoprene. Inner plies colored red for safety warning. Breaking strength over 3500 lbs. Strap is durable, pliable, resilient under severe temperatures.

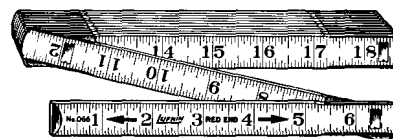
Cat. No.	Size	Lbs. Each	Price Each
S-7331	1-3/4 in. x 6 ft.	3	\$13.00

Buhrke Tool Guards



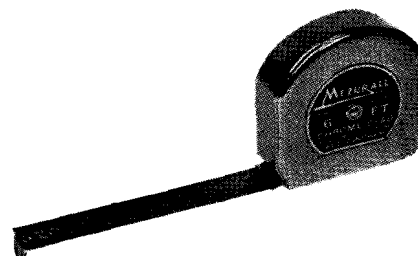
Cat. No.	Style and Use	Lbs. per Doz.	Price Each
S-4527	Fibre Guard for Tuttle Tooth Saws S-6336 and S-6338	12	\$2.95
S-4528	Fibre Guard for Chopping Axes S-2310, S-2314, S-4740	2-1/4	1.15
S-4532	Fibre Guard for Curved Pruning Saw S-6318	10-1/2	3.10
S-4557	Leather Guard for Curved Pruning Saw S-6318	18	6.50
S-4534	Fibre Guard for Pole Pruning Saw S-6324	6	1.60
S-4539	Fibre Guard for Cable Saw S-6332	4-1/2	1.50
S-4541	Leather Guard for Cable Sheath Splitting Knife S-5082	1-1/2	.90

Spring Joint Rule



Cat. No.	Length, Ft.	Lbs. per Doz.	Price Each
S-6272	6	3-1/2	\$1.40

Chrome-Clad Steel Tape Rule



Cat. No.	Size	Wt. Each	Price Each
S-7425	72-inch	3 oz.	\$1.40

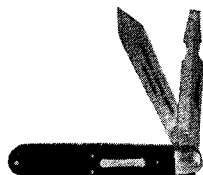
Prices shown are subject to change without notice.

File Cleaner



Cat. No.	Description	Lbs. per Doz.	Price Each
S-4199	File Cleaner	3	\$1.10
S-4556	Guard, Leather	2	1.15

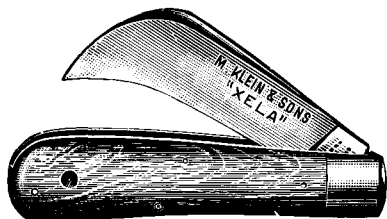
Electrician's Knife



Combination knife for all electrical work. Screwdriver has cutting edge for stripping or cutting wire. Blade is highly-tempered steel. Screwdriver locks and is released by slight side pressure of thumb.

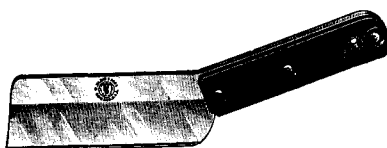
Cat. No.	Blade Length, In.	Lbs. per Doz.	Price Each
S-5066	2-1/2	2-1/8	\$1.75

Lineman's Knife



Cat. No.	Blade Length, In.	Lbs. per Doz.	Price Each
S-5086	3	4-1/2	\$2.00

Cable-Sheath Splitting Knife



Cat. No.	Description	Lbs. per Doz.	Price Each
S-5082	Splitting Knife, 9-1/4" lg.	13	\$2.75
S-4541	Leather Guard	1-1/2	.90

Crestoloy Wrenches



Hardened alloy steel, chromium-plated with satin-finish handles.

Cat. No.	Capacity, In.	Length, In.	Oz., Ea.	Price Each
S-8052	3/4	6	4	\$1.49
S-8053	15/16	8	8	1.73
S-8057	1-1/8	10	13	2.21
S-8058	1-5/16	12	24	3.24

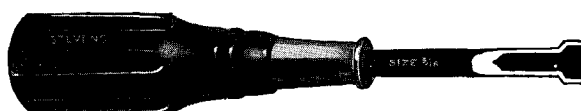
Lineman's Wrench



Openings at larger end are 1 1/8" and 13/16", smaller end 13/16" and 5/8". Hole at larger end for turning in standard pole steps.

Cat. No.	Length, In.	Lbs. per Doz.	Price Each
S-8034	13	23	\$2.75

Spintite Socket Wrenches



Hollow hexagon socket reaches down over bolt-end and grips the nut. Six inches long.

Cat. No.	Hexagon Size, In.	Lbs. per Doz.	Price Each
S-8040	5/16	3	\$0.65
S-8042	3/8	3	.65
S-8044	7/16	3	1.00

Auger Bits



Cat. No.	Size, In.	Approx. Length Overall, In.	Lbs. per Doz.	Price Each
S-2480	1/4	7-1/4	1	\$.70
S-2482	5/16	7-3/8	1	.70
S-2484	3/8	7-3/4	1	.70
S-2486	7/16	7-7/8	2	.74
S-2488	1/2	8	2	.77
S-2490	9/16	8-1/8	2	.81
S-2492	5/8	8-1/4	3	.84
S-2494	11/16	8-3/8	3	.88
S-2498	3/4	8-1/2	4	.91
S-2501	13/16	8-5/8	4	.95
S-2504	1	9	6	1.12
S-2507	1-1/4	9-1/4	6	1.61

Standard Push Drill



Chrome-plated, furnished with 8 drills from 1/16" to 11/64".

Cat. No.	Description	Lbs. per Doz.	Price Each
S-3964	No. 41 Push Drill	8-1/4	\$4.49
S-3978	Drill Points, set of 8	1-1/4	1.12

Prices shown are subject to change without notice.

Car Bits



Standard 12" twist, 18" long.

Cat. No.	Size, In.	Lbs. per Doz.	Price Each
S-2512	1/4	3	\$1.34
S-2515	5/16	3	1.34
S-2517	3/8	4	1.30
S-2519	7/16	4	1.30
S-2521	1/2	5	1.33
S-2523	9/16	6	1.40
S-2525	5/8	7	1.50
S-2527	11/16	7	1.68
S-2529	3/4	8	1.79
S-2531	13/16	9	1.93
S-2535	1-1/4	13	3.47

Hamrtwist Drill Points



Fast-cutting tool for concrete, brick, or stone. Use Drill Holder shown below.

Cat. No.	Diameter Inches	Overall Length	Lbs. per Doz.	Price Each
S-4040	3/16	2-5/8	1/2	\$0.79
S-4042	7/32	3-1/8	1/2	.79
S-4044	1/4	3-1/4	1/2	.79
S-4045	9/32	3-5/8	3/4	.87
S-4046	5/16	4-1/4	1	.94
S-4048	11/32	4-3/8	1	1.01
S-4050	3/8	5	1-1/2	1.08
S-4052	7/16	5-1/4	1-1/2	1.38
S-4054	1/2	5-1/2	2	1.67
S-4056	9/16	5-1/2	2	1.97
S-4058	5/8	6	3	2.11
S-4057	3/4	6	4	2.55

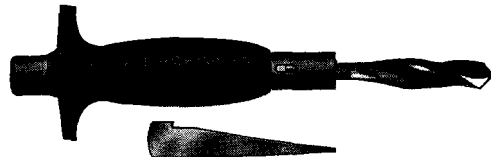
Paine Rotary Drill Points



Made of tool steel with carboloy tipped cemented-carbide point. Used in any hand or slow-speed portable drill, not over 700 R.P.M.

Cat. No.	Diam., In. Drill	Shank Diam., In.	Lgth. in.	Lbs. per Doz.	Price Each
S-3989	3/16	11/64	3	5/8	\$1.34
S-3990	1/4	15/64	4	7/8	1.34
S-3991	5/16	1/4	4	1-1/4	1.44
S-3992	3/8	1/4	4	1-3/8	1.58
S-3993	7/16	1/4	6	2-1/2	1.78
S-3994	1/2	15/32	6	2-3/4	2.00
S-3995	9/16	1/2	6	3-1/2	2.23
S-4076	5/8	1/2	6	4-1/4	2.44
S-3996	3/4	1/2	6	5-1/4	3.12
S-3997	7/8	1/2	6	7-1/8	3.78

Drill Holder



Use with Hamrtwist drills above.

Cat. No.	Description	Lbs. per Doz.	Price Each
S-4806	Rubber Holder and Pin	10	\$3.20
S-5679	Pin Only	3/4	.10

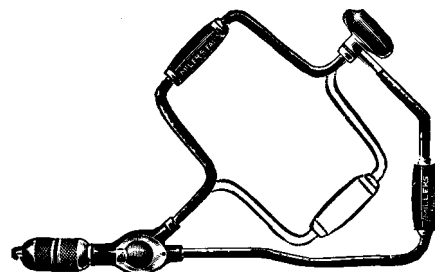
Bell-Hanger Drills



Standard 3 3/4" twist, 18" long.

Cat. No.	Diam., In.	Lbs. per Doz.	Price Each
S-4004	3/16	1-3/4	\$1.63
S-4006	1/4	2-1/2	1.71
S-4008	5/16	2-7/8	1.78
S-4010	3/8	3	1.98
S-4012	7/16	3-3/4	2.13
S-4014	1/2	6	2.38
S-4016	9/16	6-1/4	2.64
S-4018	5/8	6-1/2	2.92
S-4020	11/16	6-3/4	3.25
S-4022	3/4	7	3.52

Corner Bit Brace

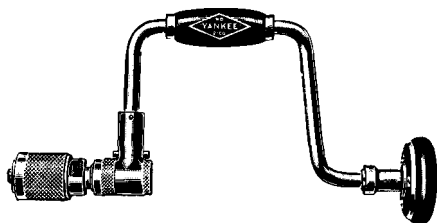


A time and labor saver for boring in corners, against walls and beams, and in similar places. Chuck takes square taper or round shanks from 1/8 to 1/2". Gears are case-hardened, machine-cut and fully enclosed. Ball-bearing thrust, ball-bearing head. Handles have inserted metal rings. Head and handles mahogany-finished hardwood, frame black enameled, exposed metal nickel plated. Length 17 inches.

Cat. No.	Sweep, In.	Lbs., Ea.	Price Each
S-3085	10	4	\$12.27

Prices shown are subject to change without notice.

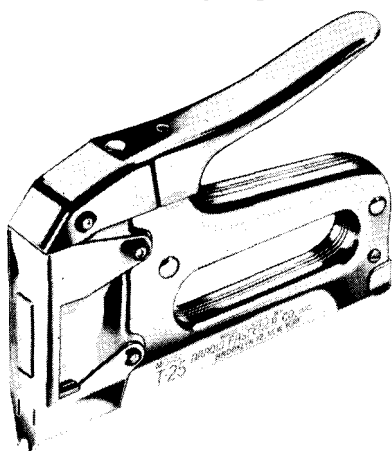
Ratchet Brace



Holds round, tapered, or square shank bits. Capacity: 1/2" diam. round shanks, and square shanks, 5/8" across corners.

<i>Cat. No.</i>	<i>Sweep, in.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-3076	10	3-1/8	\$10.95

Arrow Stapling Gun

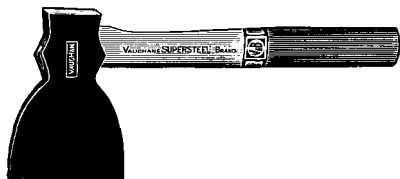


Tack-pointed staples securely hold wire up to 1/4" in diameter. Staples are 7/16" long, of .050 round-top wire. Packed 5000 to box; each box weighs 1 3/4 lbs.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-6746	Gun only	2	\$10.00

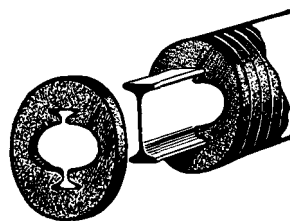
<i>Cat. No.</i>	<i>Color of Staple</i>	<i>Price per Box</i>
S-6747	Natural	\$2.67
S-6749	Brown	2.83
S-6750	Ivory	2.83

Vaughan Supersteel Broad Hatchet



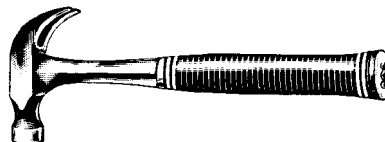
<i>Cat. No.</i>	<i>Cut, In.</i>	<i>Length, In.</i>	<i>Wt., Oz.</i>	<i>Price Each</i>
S-4740	4-1/2	14-1/2	28	\$3.50

Estwing "Unbreakable" Tools



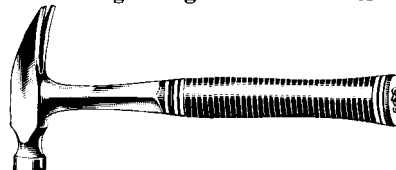
Forged of one piece of tool steel with handle section in form of "I" beam. Perfectly balanced, unbreakable—head can't fly off. Handle of leather washers pressed and riveted onto shank. Cushioned grip lacquered and polished.

Estwing Curved-Claw Hammer



<i>Cat. No.</i>	<i>Weight, Head, Oz.</i>	<i>Price Each</i>
S-4580	16	\$3.17
S-4582	20	3.23

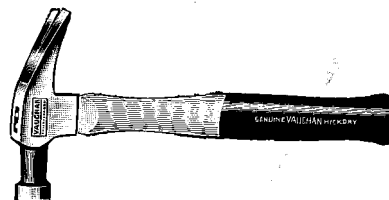
Estwing Straight-Claw Hammer



<i>Cat. No.</i>	<i>Weight, Head, Oz.</i>	<i>Price Each</i>
S-4590	16	\$3.17
S-4592	20	3.23

Vaughan Supersteel Hammers

Bell Face Nail



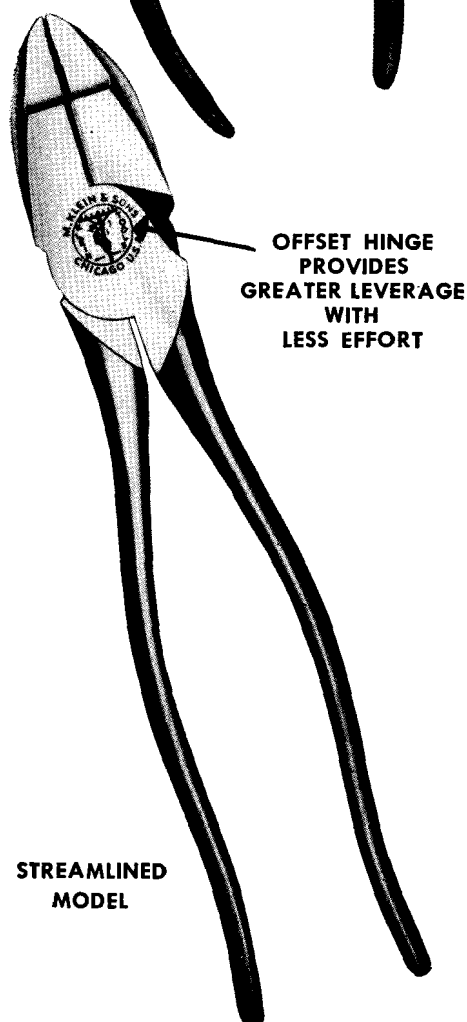
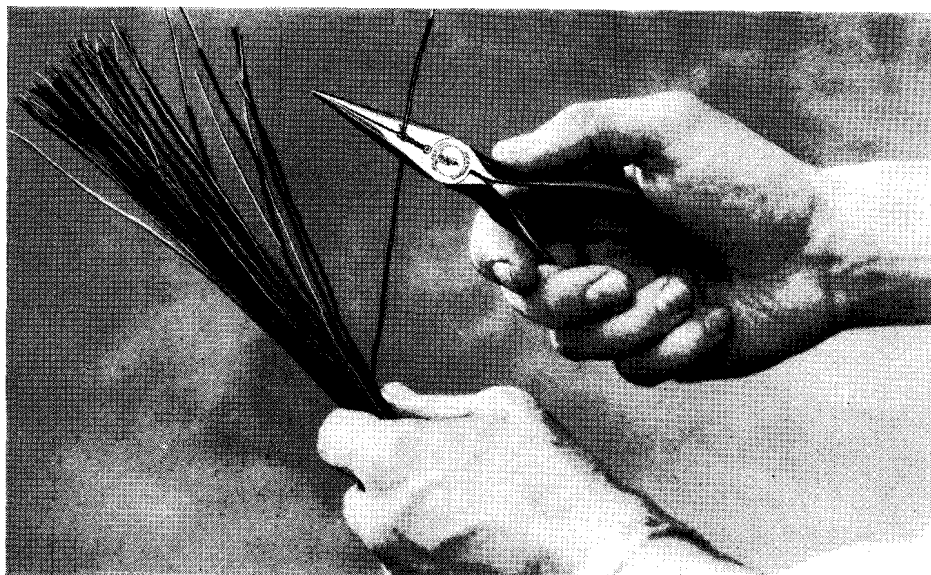
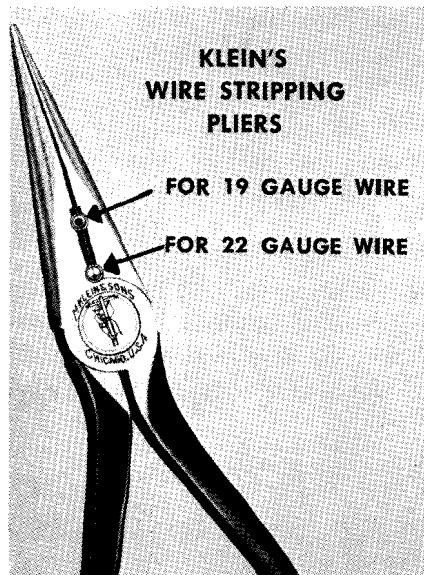
<i>Cat. No.</i>	<i>Length, In.</i>	<i>Wt., Oz.</i>	<i>Price Each</i>
S-4613	14	20	\$2.67

Lineman's Double-Face



<i>Cat. No.</i>	<i>Cut, In.</i>	<i>Length, In.</i>	<i>Wt., Oz.</i>	<i>Price Each</i>	<i>Cat. No.</i>	<i>Length, In.</i>	<i>Wt., Oz.</i>	<i>Price Each</i>
S-4740	4-1/2	14-1/2	28	\$3.50	S-4612	15	36	\$3.00
					S-4662	Replacement Handle	8	.60

Prices shown are subject to change without notice.



KLEIN PLIERS

The pliers shown here were designed to meet specific needs in telephone construction, maintenance and repair work. A few drops of light oil occasionally will keep the pliers working smoothly and prevent undue wear. When properly used, Klein pliers will give years of satisfactory service.

Each Klein Plier is hammer-forged from high grade tool steel made to exact specification. Every tool is individually fitted, tempered, adjusted and tested before it leaves the factory. The manufacturer guarantees them against defects in material or workmanship.

Klein's Wire Stripping Pliers

These Klein pliers have two cutting openings—one for 19-gauge and one for 22-gauge wire—that clamp over the plastic insulation and strip it off. They safely strip a whole row of insulated conductors in the time it ordinarily takes to strip just one. And they'll perform all the other work you have for long-nose side cutters, too.

So make Klein's Stripping Pliers a part of your splicing or installing kit; save time and protect your wire.

<i>Cat. No.</i>	<i>Size</i>	<i>Lbs., Per Dozen</i>	<i>Price Each</i>
S-5743	6"	3¾ lbs.	\$3.23

Klein's High-Leverage Side-Cutting Pliers

Here's a pair of quality pliers for all your regular wire-cutting needs—and also for quick and easy cutting of heavy-duty wire.

Cuts through weatherproof hard-drawn solid copper wire up to No. 2, and Amertel 85 and 135. Easily cuts support wire of rural distribution wire. No extra hinging or uncomfortable wirespread handles. Greater leverage is obtained with exclusive, offset hinge.

<i>Cat. No.</i>	<i>Size</i>	<i>Lbs. Per Dozen</i>	<i>Price Each</i>
S-5758	9"	13½	\$4.40

Prices shown are subject to change without notice.

Round-Nose, Side-Cutting

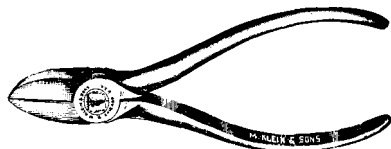


Cat. No.
S-5752
S-5754
S-5756

Size, In.	Lbs. per Doz.
7	7
8	11
9	13-1/2

Price
Each
\$3.07
3.47
3.90

Oblique Cutting

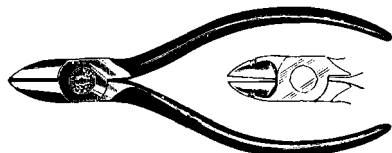


Cat. No.
S-5760
S-5766

Size, In.	Lbs. per Doz.
5	3-3/4
6	4

Price
Each
\$2.24
2.27

Diagonal Cutting, with "W" Notches

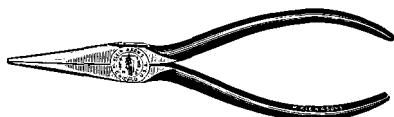


Cat. No.
S-5802

Size, In.	Lbs. per Doz.
5	3

Price
Each
\$2.43

Long Nose, without Cutters

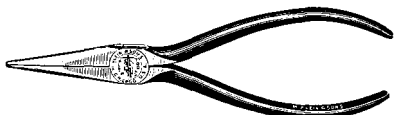


Cat. No.
S-5810
S-5812

Size, In.	Lbs. per Doz.
5	3-1/4
6	3-3/4

Price
Each
\$1.93
1.97

Long Needle-Nose

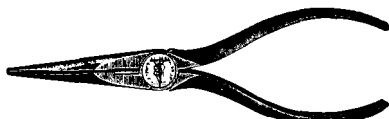


Cat. No.
S-5816

Size, In.	Lbs. per Doz.
6	3-3/4

Price
Each
\$1.97

Long-Nose, Side-Cutting

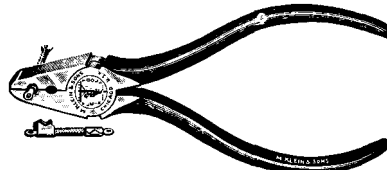


Cat. No.
S-5772
S-5774

Size, In.	Lbs. per Doz.
5	3-1/4
6	3-3/4

Price
Each
\$2.37
2.40

Cord-Tip Closing



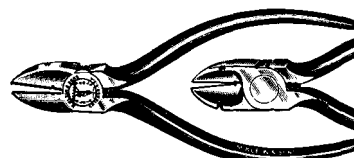
Jaws are used as a hand press for closing cord tips. Diameters of the holes are .128 and .156 inches.

Cat. No.
S-5734

Size, In.	Lbs. per Doz.
5	3

Price
Each
\$2.33

Oblique Cutting



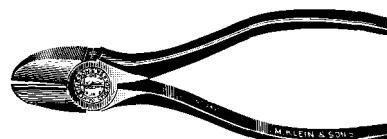
Cat. No.
S-5764

Size, In.	Lbs. per Doz.
5-1/2	3-3/4

Price
Each
\$2.73

With "W" notch, sleeve openings and skinning hole. "W" notches will slit cellulose acetate insulation. Sleeve openings in handles for crimping .032 and .025 single-tube copper sleeves.

Oblique Cutting—Heavy Type

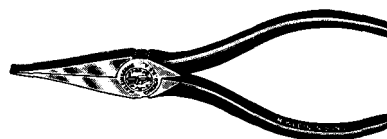


Cat. No.
S-5800

Size, In.	Lbs. per Doz.
6	4-1/4

Price
Each
\$2.43

Spring-Adjusting

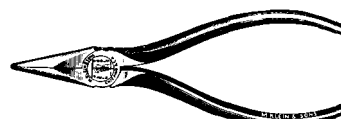


Cat. No.
S-5826

Size, In.	Lbs. per Doz.
5-1/2	3-1/4

Price
Each
\$2.33

Chain Nose



Cat. No.
S-5834

Size, In.	Description	Lbs. per Doz.
6"	Without Cutters	3-1/2

Price
Each
\$1.97

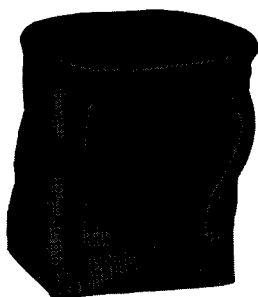
Prices shown are subject to change without notice.

Vaughan Supersteel Axe—"Michigan"



Head and blade forged separately, then joined.

Cat. No.	Description	Lbs. Each	Price Each
S-2310	"Michigan" Axe	3-1/2	\$4.40
S-4664	Replacement Handle 36"	1-1/4	1.20

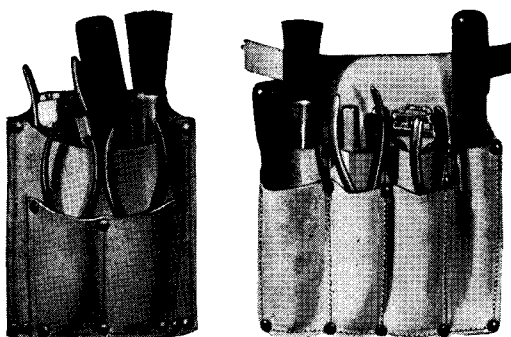


Lineman's Pouch

Made of 18 oz. olive drab canvas with a 1/4" rope sewed in the top. Top is 7" in diameter, depth is 9". When attached to belt it makes an ideal pouch for carrying small articles.

Cat. No.	Oz.	Price Each
S-5952	5	\$1.50

All-Leather Tool Pouches



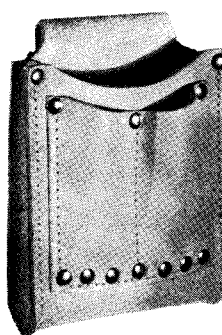
Cat. No.	Description	Lbs. per Doz.	Price Each
S-5948	Tool Pouch—Small	3-3/4	\$2.60
S-5946	Tool Pouch—Large	6-3/4	3.95
S-2461	Waist Belt	3-3/4	1.00

Speedbor Wood Bits



For 1/4" electric drills. Hollow-ground points. Overall length is 6", shanks are 1/4" diameter, 3 flats. Both sets furnished in cloth holder which rolls up.

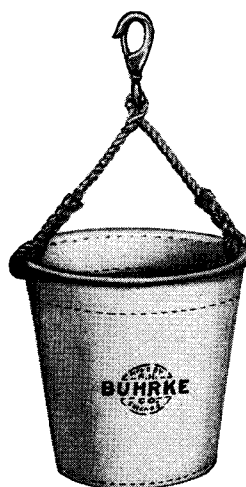
Cat. No.	Description of Set	Lbs. per Set	Price per Set
S-2536	3/8", 1/2", 5/8", 3/4"	1/2	\$2.00
S-2538	11 bits—3/8" to 1" by 16ths	1-1/4	5.47



Installer's Tool Pouch

Expanded type for general tool carrying. 4" wide, 5" deep with 1" gusset reinforced with fibre strips. Outside compartment is 4" wide.

Cat. No.	Description	Lbs. per Doz.	Price Each
S-5947	Tool Pouch	4-1/2	\$3.25



Canvas Bucket

Has 1/4" steel ring in top, 12" in diameter. Height 12". Bottom, 9" diam., is leather, 1/8" thick, hardened and waterproofed. Equipped with spliced 3/8" rope handle with S-7081 swivel snap inserted for hoisting, suspending, etc.

Cat. No.	Lbs. Each	Price Each
S-3186	2-1/2	\$6.80

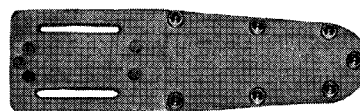


Lineman's Tool Bag

Sturdy canvas with leather bottom. Length 20", height 15 1/2", width 5 1/2". Straps at top keep bag closed when not being carried.

Cat. No.	Description	Lbs. Each	Price Each
S-2320	Canvas Tool Bag	2-1/2	\$9.35

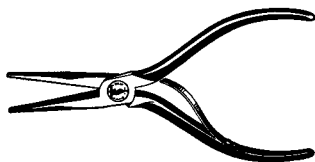
Electrician's Scissors Pocket



Cat. No.	Description	Lbs. per Doz.	Price Each
S-5875	Leather Scissors Pocket	1-1/2	\$0.50

Prices shown are subject to change without notice.

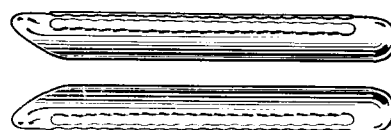
Long-Nose Pliers



For working in confined places. Jaws are knurled to insure a positive grip. Equipped with replaceable leaf spring.

Cat. No.	Size, In.	Lbs. per Doz.	Price Each
S-5733	5-1/2	2-1/2	\$2.33

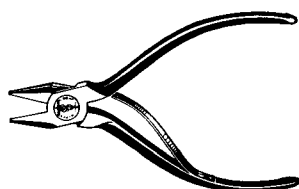
Klein-Koat Plier Grips



Made of transparent plastic in a bright maroon; will not slip or creep.

Cat. No.	Pliers Size, In.	Length, In.	Lbs. per Doz.	Price per Pr.
S-4501	6	4	1	\$0.43
S-4502	7	4-1/2	1-1/4	.47
S-4503	8 and 9	5-1/2	1-1/2	.50

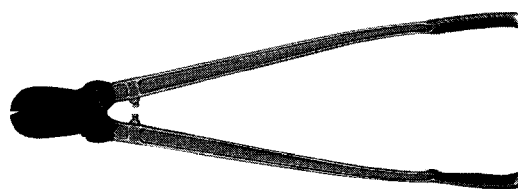
Lightweight, Oblique-Cutting Pliers



Narrow head cuts small wires or plastic in confined places. Cutting knives work flush against cutting surface.

Cat. No.	Size, In.	Lbs. per Doz.	Price Each
S-5737	5	2-1/2	\$2.67

Bolt Cutters



Cat. No.	Length, In.	Will Cut Bolt, In.	Lbs. Each	Price Each
S-3900	33"	7/16	8-1/2	\$13.25
S-3902	34"	1/2	10-1/2	18.75

Plain Screwdrivers

Polished metal parts, wooden handles.

Type 90 Standard



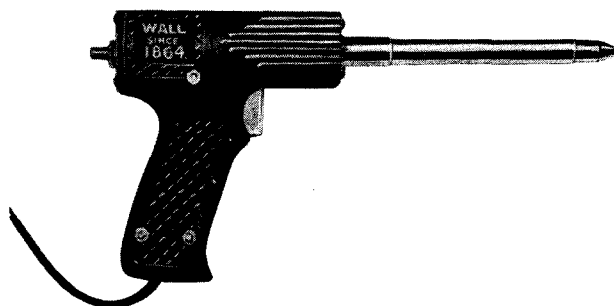
Cat. No.	Blade Length, In.	Overall, In.	Lbs. per Doz.	Price Each
S-6426	3	5-3/4	2	\$0.67
S-6428	4	9-1/4	3	.73
S-6432	6	11-3/4	4-1/2	.80
S-6436	8	14	7	1.07

Type 95 Cabinet Screwdriver



Cat. No.	Blade Length, In.	Overall, In.	Lbs. per Doz.	Price Each
S-6446	2-1/2	6-1/4	1-1/8	\$0.57
S-6448	3-1/2	7-1/4	1-1/2	.60
S-6450	4-1/2	8-1/4	1-1/2	.67
S-6452	5-1/2	9-1/4	1-3/4	.71
S-6454	6-1/2	10-1/4	2	.76

Wall "Trig-R-Heat" Soldering Gun



Revolutionary "idling" feature automatically reduces wattage when gun is not soldering. Contains no moving parts. Long six-inch reach; built-in spotlight with separate switch. Operates on AC or DC, 110-120 volts. Recommended for light maintenance and terminal work. Steel-clad 1/4" tips.

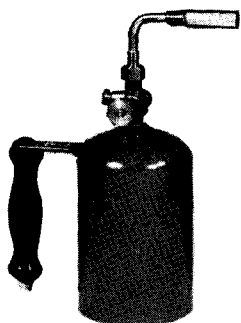
Cat. No.	Wattage Range	Wt. Oz.	Price Each
S-4969	400-150	12	\$9.97

Replacement Element and Tip Assembly

Cat. No.	Description	Lbs. per Doz.	Price Each
S-4125	Element and tip assembly for S-4969 Gun	3	\$3.32

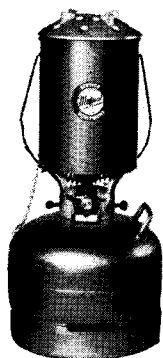
Prices shown are subject to change without notice.

Mutual B-91 Portable Torch



An all-purpose torch for pre-heating, cable splicing, soldering and brazing. Can be held in one hand with ease. Fingertip valve has positive needle-valve shutoff.

Cat. No.	Description	Lbs. Each	Price Each
S-5384	Torch with filler adaptor	4	\$21.10
S-5385	Replacement tip assembly	1/4	5.40
S-5368	Extra gas cylinder with valve	3-3/4	13.30

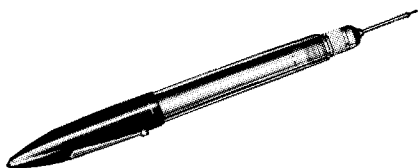


Mutual Portable Heaters

Easy to light; develops 11,000 BTU instantly. Just one valve to adjust for uniform, high heat output. No. 2 Heater mounts on S-5376, S-5374, or S-5375 LP cylinder. The No. 2A Bench Type Heater with flat steel base uses S-5381 hose (at right) to connect to Mutual cylinders; uses S-5367 hose for other types of cylinders.

Cat. No.	Type	Lbs. Each	Price Each
S-5395	No. 2 Heater	11	\$24.15
S-5397	No. 2A Heater	21	30.80

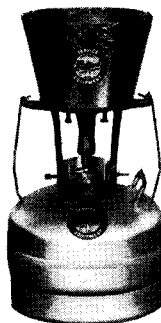
Pres-To-Oiler



Transparent reservoir; delivers 1/10 drop of oil to exact spot you want it. No smear, no drip, no waste. Saves time and labor.

Cat. No.	Ozs.	Price Each
S-5592	2	\$0.94

Mutual No. 2 Furnace

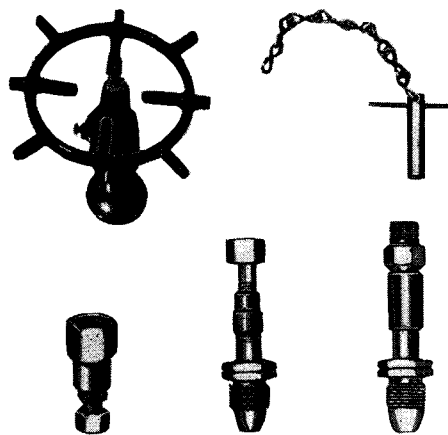


High BTU rating, 100 per cent combustion. One moving part; no pumping, priming, or adjustments necessary. Strike a match, "crack" the needle valve and you have 2350 degrees of heat. Light, portable, can be carried anywhere on the job. Includes non-warping head, adjustable orifice and tube, removable handle and shield for 6 or 8 in. pot of lead. No. 2 Furnace mounts on S-5374 or S-5375 cylinder. No. 2A (floor model with heavy base) uses S-5381 hose to connect to

Mutual Cylinders; uses S-5367 hose for other types of cylinders. Order cylinders separately. Burn propane or butane—propane recommended.

Cat. No.	Description	Lbs. Each	Price Each
S-5372	No. 2 Furnace	10	\$17.70
S-5373	No. 2A Furnace	20	23.60

Mutual LP Parts and Accessories



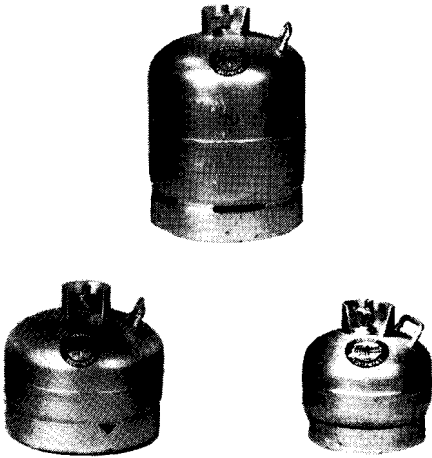
Specify unit on which part is to be used.

Cat. No.	Description	Lbs. Each	Price Each
S-5389	Coffepot spider, mounts on S-5384 torch	3	\$5.45
S-5381	10 ft., 1/4 in. hose for connecting S-5373 furnace, S-5397 heater, S-5377 torch, and S-5382 weed burner to Mutual cylinders	5-1/2	5.95
S-5367	10 ft. 1/4 in. hose with POL fitting for connecting commercial cylinders to Mutual furnaces, heaters, and torches	5-1/2	5.95
S-5391	4 ft. 1/4 in. H. P. filler hose for filling S-5384 torch cylinder from larger cylinders. Use with S-5383 filler adapter	2	4.20
S-5383	Filler Adapter for filling Mutual cylinders from commercial LP tanks	1/2	2.50
S-5403	Filler Adapter for filling B-91 torch cylinder without hose	1/4	2.50
S-5366	Adapter for connecting S-5381 1/4 in. hose to commercial cylinders	1/4	2.50
S-5399	Cylinder valve key with chain	1/8	.35
S-7756	Windshield, conical, for No. 2 and No. 2A Mutual furnaces	1-3/4	1.60

Prices shown are subject to change without notice.

Mutual LP Gas Cylinders

All Mutual cylinders are now fitted with a new multiple valve with hand wheel. The multiple valve is a great improvement because all of the fittings are combined in the one unit. The excess flow check is an important safety factor in that it will shut off the flow of gas instantly should a hose or fitting break. They are equipped with a 71-A Filler Adapter and can be filled at any LP filling station. The S-5376 light-weight cylinder is generally used with S-5395 Type No. 2 portable heater. Cylinders are shipped empty, ready to be filled.



Cat. No.	Gas Cap., Lbs.	Height of Cyl., In.	Diam. of Cyl., In.	Lbs. Each	Price
S-5376	6	9½	11	14	\$22.35
S-5374	12	10	12	22	24.30
S-5375	10	15	12	27	25.00

American Beauty SOLDERING IRONS

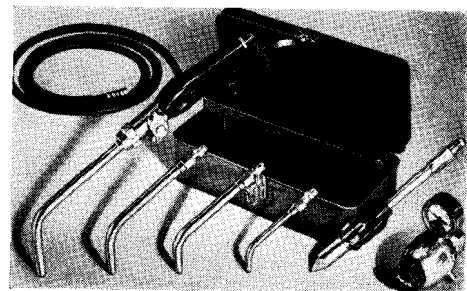
This American Beauty soldering iron incorporates handling ease with functional design for every purpose. Heating element core is of solid steel rod wound with chrome-nickel, ribbon, resistance wire, mica insulated and tested to 1100 volts breakdown test. Special, non-oxidizing tip, ⅜" wide and of pure drawn copper, is replaced quickly and is easily available. Baffle plate protects the handle against heat. Cord is reinforced at the shank. Iron is 12⅞" long, rated for 100 watts, and operates on 115 V.

Cat. No.	Description	Lbs. Each	Price
S-4966	Soldering iron	1	\$6.44
S-5878	Replacement tip		.43
S-4108	Replacement element		2.66



Prest-o-Lite Torch Set

Quickly converted to any one of five outfits for all heating, soldering, and brazing. Simply attach one of four open-flame torch or soldering iron stems to a common handle. This wide variety of torches permits the proper flame and right amount of heat for every job. Precision model complete with Nos. 1, 3, 4, and 5 Torch Stems, No. 8 Soldering Iron Stem. No. 401 Torch Handle, R-411MC adjustable pressure regulator for MC tank, and a 6-ft., 3/16 in. ("A" size) fitted hose assembly. Packed in a sturdy, green enameled, steel carrying case with pop-up tray and ample room for additional tools. Order MC acetylene tank separately.



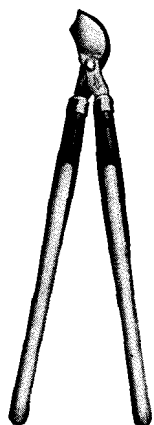
Cat. No.	Description	Lbs.	Price
S-7555	Precision Model— with Regulator	5	\$39.75
S-7556	Standard Model— without Regulator	4	27.75

Prices shown are subject to change without notice.

MARITIME MANILA ROPE

DEPENDABLE the Year Round

**For the toughest jobs . . . RELY ON
MARITIME MANILA ROPE.**



"Ezy-Cut" Long-Handled Pruner

Drop-forged, tempered steel cutting parts. Selected ash handles with heavy ferrules.

Cat. No.	Overall Length	Lbs.	Price
S-5988	28	4	\$5.25
S-5989	36	5	5.62

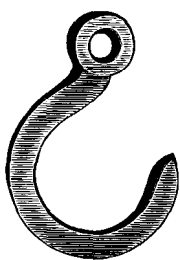
Flexible—Wet or dry, Maritime Manila is easy to handle . . . won't twist . . . hangs straight . . . always runs smoothly through blocks.

Strong—Internal lubrication reduces fibre friction . . . preserves original strength for dependable service.

Weatherproof—Exclusive Aquatite treatment keeps moisture out . . . guards against effects of weathering, acids, greases, etc.

Full coils approx. 1200 feet, half coils 600 feet. No. S-6261 four-strand rope, for use with block tackle.

Cat. No.	Diameter	Ft. per	Lbs. per	Lbs. per	Price
	In.	Lb.	Half Coil	Coil	Per Lb.
S-6257	1/4	50	26	50	\$0.72
S-6260	3/8	26	26	65	.70
S-6261	3/8	26	26	65	.71
S-6262	1/2	13.3	55	90	.67
S-6264	5/8	7.52	95	160	.66



Anchor Hook for Tackles

Solid drop-forged steel. Approximately 5 1/2" long and 3 1/4" across hook. Eye diameter, 5/8".

Cat. No.	Lbs. per Doz.	Price each
S-4826	4	\$1.15

Prices shown are subject to
change without notice.



Curved-Head Tamping Bar

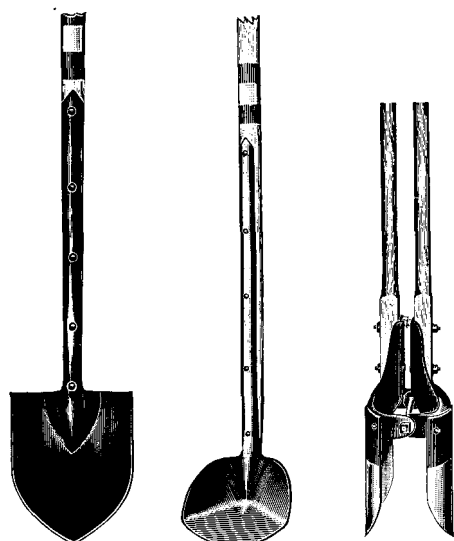
Curved head fits the hole and around the pole. Tamping face is crescent-shaped, 7 inches long and 1-5/16 inch thick at the thickest point. Long tapered shank strengthens the handle at point of greatest strain. White ash handle.

Cat. No.	Handle	Lbs.	Price
S-2349	8 Ft.	12 1/2	\$12.40
S-2350	10 Ft.	13 1/2	13.20
S-4672 Replacement Handle	8 Ft.	3 1/2	5.75
S-4674 Replacement Handle	10 Ft.	4	8.40

Expanding and Tamping Bar

Used for easy installation of expanding anchors. Weighted bar, 10 feet long, designed for doing all the work. Hooks wrap around the anchor rod, keeping the tamp from slipping off the anchor top plate. The bar, with heavy base casting, is also used effectively for tamping in dirt above the anchor.

Cat. No.	Lbs.	Price
S-2361	21	\$12.95



Long Handle Telegraph Shovels

Welded seams, 24" straps, 13 gauge blades. Handles of straight-grain ash.

Cat. No.	Handle, Feet	Lbs. per Doz.	Price each
S-6834	7	126	\$10.35
S-6836	8	133	11.10
S-6838	9	135	11.95

Long Handle Telegraph Spoon

Cat. No.	Handle, Feet	Lbs. per Doz.	Price Each
S-7136	7	126	\$10.95
S-7138	8	133	11.10
S-7142	9	135	11.95

Iwan Hercules Digger

Blades are 6" x 9", handles 7 feet long.

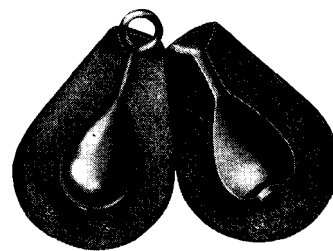
Cat. No.	Overall Length	Lbs.	Price each
S-3934	7 Ft. 9½ In.	12¼	\$7.10

Replacement Handles

Cat. No.	Length, Ft.	Lbs. per Pair	Price Per Pr.
S-4668	7	6	\$4.10

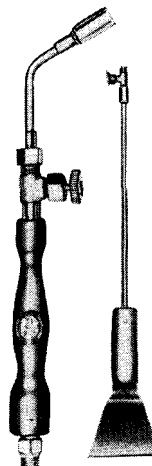
Reduces Personal Injury and Property Damage

For accurately throwing and threading handline through trees and brush safely and efficiently. Weight is smooth and light, fits palm of hand for easy throwing, will not snag upon retrieving. Heavy sponge-rubber insulation around lead core reduces safety hazards, helps protect personnel and property against possible injury. Metal eyelet is cast into top of weight for attaching handline—can't pull out of core.



Cat. No.	Dimensions	Weight	Price each
S-7748	4½" long x 3" diam	13½ ozs.	\$3.00

Mutual Torches and Weed Burner

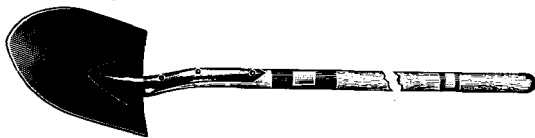


No. 4B Torch equipped with cast-iron burner tube, cool-grip handle and control needle valve. No. 2 Blow Torch and Weed Burner for heavy-preheating work, and for burning weeds. Both torches attach to Mutual cylinders (see page 42) with S-5381 ¼ in. 10 ft. hose. For other types use S-5367 ¼ in. 10 ft. hose with POL fitting.

Cat. No.	Type	Wt., Lbs.	Price each
S-5377	No. 4B Torch	1	\$16.75
S-5382	No. 2 Weed Burner	4	18.15

Prices shown are subject to change without notice.

Long-Handle Standard Shovels



Cat. No.	Blade Size, In.	Lbs. Each	Price Each
S-6830	9 x 12	4-1/2	\$4.85
S-4684	Replacement Handle	2	\$2.65

Cant Hook



Cat. No.	Description	Length, Ft.	Lbs. Each	Price Each
S-4813	Cant Hook	4	7	\$9.70
S-4677	Handle	4	3-1/2	3.70
S-4547	Fibre Guard			.65

Electric Digging Spud With Tamper



High-carbon steel tubing with malleable-iron tamping shoe and alloy tool-steel, heat treated blade.

Cat. No.	Length, Ft.	Lbs. Each	Price Each
S-7146	9	23	\$16.40

Octagon Crow and Digging Bars



Cat. No.	Size, In.	Length, Ft.	Lbs. Each	Price Each
S-2352	1	7	20	\$11.75
S-2353	1	8	23	12.65
S-2357	1-1/8	8	29	14.45
S-2359	1-1/8	9	31	16.60

Octagon Tamping and Digging Bars



Cat. No.	Size, In.	Length, Ft.	Lbs. Each	Price Each
S-2363	1	8	23	\$12.80

Heavy Shoe Tamping Bars

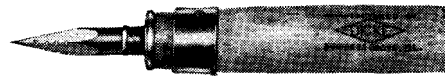


Cat. No.	Handle, Ft.	Lbs. Each	Price Each
S-2367	7	11	\$11.55

Handles for Telegraph Shovels and Spoons

Cat. No.	Length, Ft.	Lbs. Each	Price Each
S-4686	7	4	\$4.95
S-4688	8	5	5.75
S-4690	9	6	6.75
S-4692	10	7	8.40

Pike Poles



Standard Straight-Handle Type

Length, Ft.	Lbs. Each	Cat. No. Without Guard	Price Each	Cat. No. With Guard	Price Each
12	10	S-5896	\$8.40	S-5897	\$11.25
14	12	S-5898	9.15	S-5899	12.00
16	14			S-5901	12.70

Heavy-Duty Tapered Type

Length, Ft.	Lbs. Each	Cat. No. Without Guard	Price Each	Cat. No. With Guard	Price Each
12	13	S-5904	\$10.65	S-5902	\$13.50
14	15	S-5906	11.75	S-5903	14.60
16	17	S-5908	12.75	S-5939	15.60

Extension Ladders



All extension ladders listed are in two sections. The 36 foot ladder can also be supplied in three sections.

Cat. No.	Description	Lineal Ft.	Lbs. Each	Price Each
S-5152	Plain ends	20	41	\$25.45
S-5153	Plain ends	24	48	30.90
S-5164	Plain ends	28	56	36.20
S-5154	Plain ends	32	64	42.70
S-5155	Plain ends	36	72	50.05

Equipped with:

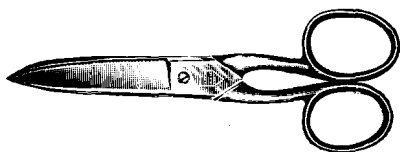
S-5137	Strand hooks	20	51	34.00
S-5139	Strand hooks	24	58	39.45
S-5141	Strand hooks	28	66	44.80
S-5138	Strand hooks, wheel spurs	24	62	42.65
S-5140	Strand hooks, wheel spurs	28	69	48.00

Heavy-Duty Step Ladders

Cat. No.	Length, Ft.	Lbs. Each	Price Each
S-5163	4	22	\$11.25
S-5169	5	26	14.10
S-5162	6	30	16.90
S-5149	8	38	22.50

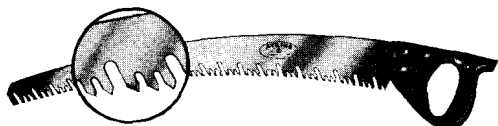
Prices shown are subject to change without notice.

Electrician's Scissors



Cat. No.	Length, In.	Brand	Lbs. per Doz.	Price Each
S-6374	5	Standard	1-1/2	\$1.75
S-6376	5	Wiss	1-1/2	2.25
S-5875		Pocket for Scissors	1-1/2	.50

26 in. Curved Pruning Saw



Cat. No.	Description	Lbs. per Doz.	Price Each
S-6318	Saw	17	\$7.05
S-6319	Jointer	2-1/4	1.05

Tuttle-Tooth Pruning Saw



Cat. No.	Length, In.	Lbs. per Doz.	Price Each
S-6336	20	17	\$5.50
S-6338	24	21	7.00

Tree Saw



For limbs up to 4" in diameter. Swedish steel blade, 36" long. Overall length, 4'.

Cat. No.	Description	Lbs. Each	Price Each
S-6328	Tree Saw, less handle	3	\$13.00
S-5923	5' center extension handle	2	3.75
S-5929	5' end extension handle	2	3.25
S-6329	Replacement Saw Blade	1/4	3.00

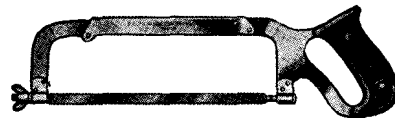
Seymour Smith Pruning Saw



Adjustable 16" blade. Head equipped with paint brush holder. Poles shown on page 47.

Cat. No.	Description	Lbs. per Doz.	Price Each
S-6324	Pruning Saw	9	\$3.65
S-6326	Saw Blade Only	3	2.45

Hack Saw Frames



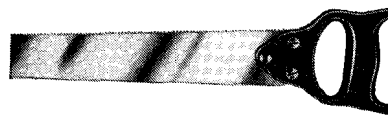
Steel frame takes 8-, 10- or 12-inch blades.

Cat. No.	Lbs. per Doz.	Price Each
S-4254	24	\$3.25

Hack Saw Blades

Cat. No.	Std. Pkg.	Length, In.	Lbs. per Gross	Price per 100
S-2556	12	10	4-3/4	\$11.65
S-2557	12	12	5-3/4	14.40

Cableman's Saw



Coarse teeth on one side, fine teeth on other.

Cat. No.	Description	Lbs. per Doz.	Price Each
S-6332	Cableman's Saw—12" Long	12	\$3.15

Lineman's File



Cat. No.	Size, In.	Cut	Lbs. per Doz.	Price Each
S-4193	10 x 1	Double, both sides	8	\$0.93
S-4192	8 x 1	Single one side, Double other side	6	0.79

Splicer's Rasp



Cat. No.	Size, In.	Cut	Lbs. per Doz.	Price Each
S-4194	10 x 1	Float, both sides	10	\$0.97

Rat-Tail File



Cat. No.	Size, In.	Cut	Lbs. per Doz.	Price Each
S-4197	6 x 7/32 Diam.	Double	1-1/2	\$0.52

Flat Mill File



Cat. No.	Size, In.	Lbs. per Doz.	Price Each
S-4196	10	7-1/4	\$0.83
S-4198	12	12	1.10

Prices shown are subject to change without notice.

Coffing Hoists for all lifting and pulling jobs

Coffing lifting and pulling tools are engineered to save time, cut costs and increase safety. Completely portable, their light weight makes them popular for every type of job. With ratchet-type lever, maximum power output is obtained with minimum effort. Load is always held on one or the other of the pawls and ratchet. There is no friction brake to slip or freeze. "Safety Pulls" easily free chain when there is no load, by merely pushing the lever on the handle.

Positive overload protection is provided with handles which bend before any part of the hoist or puller will give way. All hoists and pullers are factory-tested with a 100% overload, and are fully warranted for rated capacity.

ROLLER CHAIN HOISTS

Roller chain meets rigid Navy specs, provides smooth, effortless operation. Frame of certified malleable iron—safe, durable. Slight pressure on thumb latch allows chain to move freely up or down. Special alloy-steel hooks tested for 100% above rated capacity. Lightweight, easy to store.

Catalog Number	Specifications	S-4792	S-4794
Model		AG	FG
Rated Capacity in Tons		$\frac{3}{4}$	$1\frac{1}{2}$
Minimum Distance Between Hooks		13"	16"
Standard Lift in Inches		56 $\frac{1}{2}$	56 $\frac{1}{2}$
Net Weight in Pounds		14	25
Price		\$58.00	\$81.00

COIL CHAIN HOISTS

Greater flexibility—will swing or wrap in any direction. Handle operates on either side of hoist in any position, with either full or partial strokes. Same frame and hook as roller chain hoist.

Model RTG converts to $\frac{3}{4}$ -ton capacity by unfastening special chain lug fastener. This doubles the length of lift and gives faster lifting speeds for light loads.

Catalog Number	Specifications	S-4788	S-4789
Model		RG	RTG
Rated Capacity in Tons		$\frac{3}{4}$	$1\frac{1}{2}$
Minimum Distance Between Hooks		11 $\frac{1}{4}$ "	14"
Standard Lift in Inches		56 $\frac{1}{2}$	57
Net Weight in Pounds		14 $\frac{1}{2}$	18 $\frac{1}{2}$
Price		\$58.00	\$72.00

"MIGHTY MIDGET" PULLER

Lightweight, can be easily carried on tool belt. Rated capacity is 500 lbs., but chain has tensile yield of 2000 lbs., snap hooks, 3000 lbs. "Safety Load" handle bends at about 800 lbs., giving ample safety factor. End of handle locks at right angles for high-speed lifting or pulling. Compact design fits easily into most tool boxes. Ideal for all pole and line work. Standard 57" lift, 8 $\frac{1}{2}$ " minimum distance between hooks.

Cat. No.	Lbs.	Price
S-4790	6 $\frac{1}{2}$	\$32.50

SAFETY HOOK

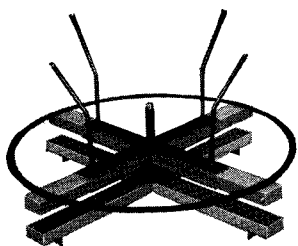
Latch locks over point of hook to prevent snagging. Slight pressure on release unlocks latch, keeps it open. Drop-forged, heat-treated alloy steel is cadmium plated. Throat opening is 1 $\frac{1}{8}$ " across.

Cat. No.	Dimensions, In.	Wt., Oz.	Price
S-4825	3 $\frac{1}{2}$ x 5 $\frac{3}{8}$	18 $\frac{1}{2}$	\$5.00

Prices shown are subject to change without notice.



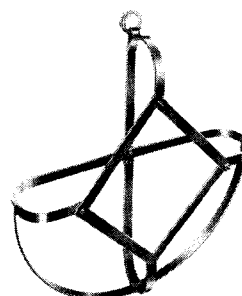
Pay-Out Reel



Hardwood, reinforced and braced with metal. Pins are adjustable for 12, 18 and 24-inch coils.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs., Each</i>	<i>Price Each</i>
S-6054	Pay-Out Reel	56	\$29.30

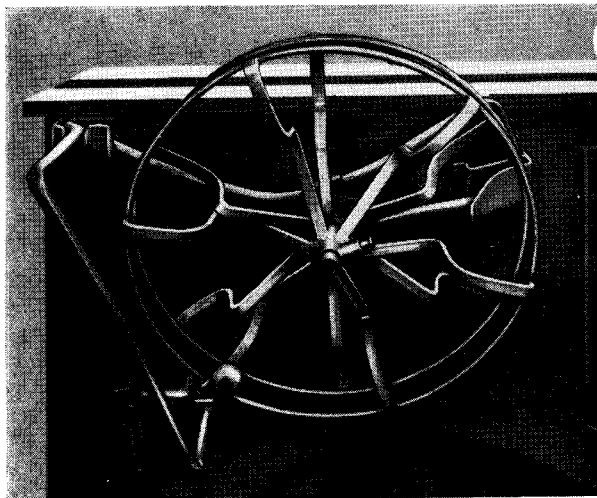
Guy Wire Dispenser



Holds standard coil of guy strand.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs., Each</i>	<i>Price Each</i>
S-3914	Guy Wire Dispenser	21	\$16.00

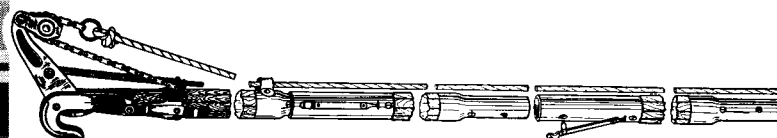
Drop Wire Reel



Combination payout and takeup reel for horizontal or vertical position, on or away from truck. Outer spider removable to permit placing up to four widths of coil. Reel equipped with friction brake.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs., Each</i>	<i>Price Each</i>
S-6040	Wire Reel	32	\$47.65, Each
S-3124	Mounting Brackets	12	15.80, per set

Tree Pruners



Cut limbs up to 1" diameter. Head has only 2 moving parts, blade of tool steel, and spring is vanadium steel. Sitka spruce poles with brass locking joints.

Complete trimmer consists of pruner head with rope, one 6' head section and two 6' extension sections. Individual items can be ordered separately.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs., Each</i>	<i>Price Each</i>
S-7572	Complete Trimmer 18 ft. in length	10	\$12.93
S-5924	Pole Head Section 1-1/4 in. dia., six ft. long	1-1/4	2.40
S-5916	Pole Extension Section 1-1/4" dia. 6' long	2	3.45

Wire-Raising Tool



For threading wire through trees or placing wire on crossarms or brackets. Two hooks arranged so pair of wires can be raised. Fits Pole Extension Section S-5916, listed at right.

<i>Cat. No.</i>	<i>Lbs., Each</i>	<i>Price Each</i>
S-7516	1-1/4	\$2.40

Self-Locking Block Tackle



Designed for use with wire grips. To lock load, pull luff rope under hook. To release, simply pull rope. When pulling up wire to make a splice it may be used with two grips attached to snaps, or with hook to anchor to an insulator-pin or other anchorage. Sheaves equipped with oilite bearings. Block tackle furnished with 25 ft., 3/8 in. rope.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs., Each</i>	<i>Price Each</i>
S-2712	Block Tackle	3	\$6.05

Prices shown are subject to change without notice.

Amertel 135 Telephone Wire

With Amertel 135, long-span construction is not only possible but practical. Maximum span in heavy loading districts, 350 feet; medium loading districts, 450 feet; light loading districts, 500 feet. No. 12 BWG; diameter, .109". Minimum breaking load, 1,213 lbs.

<i>Cat. No.</i>	<i>Max. Ohms per Mile</i>	<i>Approx. Lbs. Per Mile</i>	<i>Price per 100 Lbs.</i>
S-7806	38.23	170	\$19.49

Amertel 85 Galvanized Wire

Amertel 85 is a telephone wire combining great tensile strength and low resistance. No. 12 BWG is .109" diam.; minimum breaking load, 793 lbs. No. 14 BWG is .083" diam.; minimum breaking load, 460 lbs.

<i>Cat. No.</i>	<i>Size, BWG</i>	<i>Max. Ohms per Mile</i>	<i>Approx. Lbs. per Mile</i>	<i>Price per 100 lbs.</i>
S-7802	12	34.12	170	\$18.47
S-7803	14	58.59	99	19.87

Amertel Galvanized Iron Tie Wire

No. 12 BWG. Use S-8015 for standard horseshoe tie; S-8016 for armor tie; S-8003 for use with S-8002 tie splint shown on page 55.

<i>Cat. No.</i>	<i>Length, In.</i>	<i>Approx. No. Pieces</i>	<i>Lbs. per Bundle</i>	<i>Price per 100 lbs.</i>
S-8015	14	675	25	\$31.08
S-8016	44	430	50	30.33
S-8003	30	600	50	30.33

Copperweld Telephone Line Wire



When ordering Copperweld you can select the smallest practical size because Copperweld telephone line wire will not rust, so no allowance need be made for later loss of strength or conductivity.

MINIMUM BREAKING STRENGTH (Lbs.)

<i>Cat. No.</i>	<i>Size Avg. or Inch</i>	<i>High Strength 40% Cond.</i>	<i>Extra High Strength 30% Cond.</i>	<i>Lbs. Per 1000 Ft.</i>
S-7799	.104	1,177		30.01
S-7797	.080	770		17.76
S-7792	.080		900	17.76

Note: Prices for Copperweld strand, Copperweld cable rings, Copperweld lashing wire, Copperweld nails and staples available upon request.

Copperweld Ground Rods



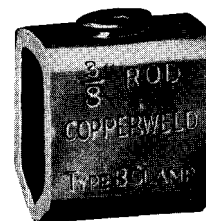
Copperweld ground rods consist of a heavy layer of pure copper, molten-welded to a core of selected alloy steel. The copper covering protects the rod from rusting, and provides for a copper-to-copper contact with the ground wire. The special steel core provides exceptional stiffness, and permits using rods of smaller diameter, which are easier to drive, and lower in cost, than the largest galvanized rods.

Copper rods with 18" pigtails are used when this is preferred. On 3/8" rods, a 104" annealed copper pigtail is used; on 1/2" rods a .128" annealed copper pigtail is used. Crimped sleeve and soldered connection secure pigtails to rods. Half-inch rods in bundles of 10; 3/8" rods in bundles of 25.

<i>Size</i>	<i>Lbs. per Bundle</i>	<i>With Pigtail</i>		<i>For Clamp</i>	
		<i>Cat. No.</i>	<i>Price, 100</i>	<i>Cat. No.</i>	<i>Price, 100</i>
3/8"x5'	20	S-6222	\$ 96.40	S-6206	\$ 71.90
3/8"x6'	24	S-6224	111.40	S-6208	86.90
1/2"x5'	35	S-6226	180.30	S-6210	152.30
1/2"x6'	42	S-6228	207.40	S-6212	179.40
1/2"x7'	49	S-6230	234.70	S-6214	206.70
1/2"x8'	56	S-6232	261.70	S-6216	233.70

Note: For station grounds or other grounding purposes, a complete range of Copperweld ground rods are available in 3/8", 1/2", 5/8", 3/4", and 1" diameters, with grounding wire clamps to fit each size of rod. Lengths range from 5' to 40' in multiples of even feet.

Copperweld Ground Clamps

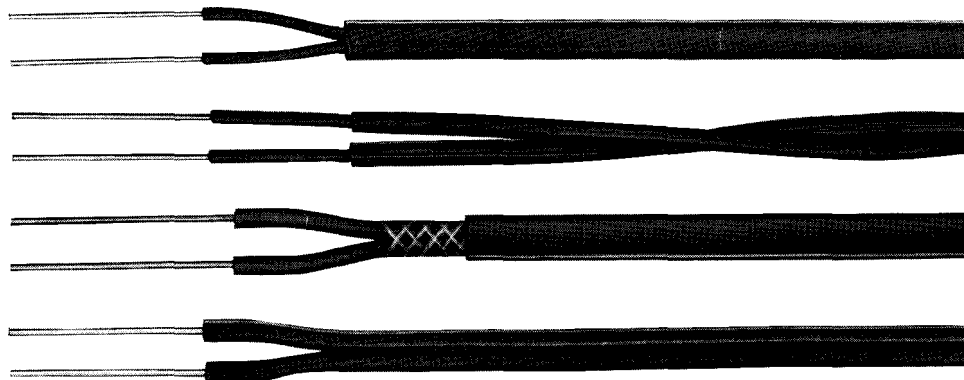


To connect Copperweld ground rods to copper ground wires; provide protection against galvanic action. Copperweld clamps have a one-piece drawn-bronze body and a rugged bronze set screw, of either the square head or the tamper-proof "safety" type. Special wrenches are supplied free of charge with each shipment of "safety" set screw clamps.

<i>Cat. No. With Safety Screw</i>	<i>Cat. No. With Sq. Head Screw</i>	<i>For Rod Size</i>	<i>Price per 100</i>
S-3366	S-3364	3/8"	\$16.90
S-3370	S-3368	1/2"	28.70

Prices shown are subject to change without notice.

Alphaduct Copperweld Drop Wires



Drop wires have size 18 AWG lead-alloy coated, high-strength Copperweld conductors. Twisted-pair conductors are individually insulated with rubber insulation, and individually jacketed with Neoprene. Highly resistant to weather, abrasion, sunlight, oils and greases, acids, alkalis and flame.

In parallel constructions, polarity identification is provided by two longitudinal ridges molded into one side of

the over-all Neoprene jacket. In twisted pair constructions, identification is provided by two longitudinal ridges molded in the Neoprene jacket of one conductor.

Furnished in standard 1000-foot cartons except that approximately 10 per cent of an order may contain paper-wrapped coils, not less than 250 feet long. Actual length in each carton or coil is clearly indicated. Minimum eye of coil is 15½".

Size 18 AWG Copperweld Conductors

Minimum breaking strength per conductor before insulating, 200 lbs. Max 22 ohms per 1000 ft. at 68 degrees F.

<i>Cat. No.</i>	<i>Conductor Assembly</i>	<i>Diameter Over Jacket, Inches</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7817	Parallel	.175x.280	35	\$26.00
S-7816	Twisted Pair	.155x.310	35	28.60
S-7902	Parallel Reinforced	.185x.290	39	31.35
S-7811	Parallel Figure 8	.155x.310	34	25.20

Alphaduct Bronze Drop Wires



Conductors of bronze drop wires are made of solid lead alloy coated, hard drawn Signal grade bronze, in size 17

AWG. Wires are available in two standard types—twisted pair and parallel.

Size 17 AWG Bronze Conductors

Minimum breaking strength per conductor before insulating, 170 lbs. Max. 17 ohms per 1000 ft., at 68 degrees F.

<i>Cat. No.</i>	<i>Conductor Assembly</i>	<i>Diameter Over Jacket, Inches</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7906	Parallel	.180x.290	40	\$33.10
S-7904	Twisted Pair	.160x.320	40	35.00

Prices shown are subject to change without notice.

Neoprene Jacketed Bridle Wire

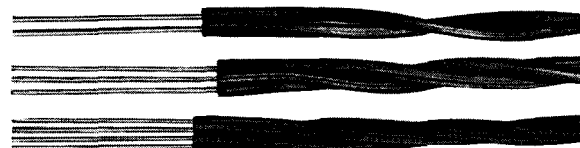
Conductors of Bridle Wire are soft-drawn copper, tinned or lead-alloy coated. Rubber insulation jacketed with Neoprene. Identification is provided by longitudinal ridges molded in the neoprene covering of one or two conductors. Standard carton, 500 ft. (except S-7835, which is 750 ft.).



<i>Cat. No.</i>	<i>Wire Size AWG</i>	<i>Cond. Assembly</i>	<i>Dia. Over Jacket In.</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7829	20	Tw. Pair	.125	25	\$25.55
S-7831	20	Triplex	.125	38	38.33
S-7832	18	Tw. Pair	.145	31	29.50
S-7833	18	Triplex	.145	47	44.25
S-7835	14	Tw. Pair	.226	78	63.30

Alphaduct Interior Wire

Furnished in twisted pair, triplex and quadded constructions. Conductors are made of solid, annealed, uncoated copper having a tough thermoplastic covering. Ridge tracers on conductors provide positive identification. Standard carton, 500 feet.



<i>Cat. No.</i>	<i>Size AWG</i>	<i>Conductors</i>	<i>Color</i>	<i>Dia. Over Insul., In.</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7942	22	Tw. Pair	Ivory	.076	9	\$10.80
S-7943	22	Triple	Ivory	.076	14	16.20
S-7945	22	Tw. Pair	Brown	.076	9	10.80
S-7946	22	Triple	Brown	.076	14	16.20
S-7954	22	Quad	Brown	.076	18	21.60
S-7955	19	Tw. Pair	Brown	.086	15	15.30
S-7956	19	Triple	Brown	.086	23	22.95

Alphaduct Plastic-Jacketed Inside-Outside Station Wire

No. 22, for wiring from outside protector or terminal to instrument. Insulated with plastic, color-coded. Paper separator between conductors and jacket facilitates stripping. Plastic jacket protects conductors from mechanical injury, dampness. Single unit construction permits installation with staples. Standard carton, 500 ft.



<i>Cat. No.</i>	<i>No. Cond.</i>	<i>Jacket Color</i>	<i>Outside Dia., In.</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7911	2	Brown	.170	18	\$20.95
S-7915	3	Brown	.177	19	22.75
S-7921	4	Brown	.177	24	27.30
S-7913	2	Ivory	.170	18	20.95
S-7917	3	Ivory	.177	19	22.75
S-7929	4	Ivory	.177	24	27.30

Alphaduct Conduit or Duct Wire

No. 22 solid, annealed, tinned-copper conductor, insulated with tough thermoplastic. Highly resistant to abrasion and extreme moisture. Strips easily and clean. Conductors are color-coded to provide quick identification. Standard carton, 1000 feet.



<i>Cat. No.</i>	<i>Conductor Assembly</i>	<i>Color</i>	<i>Dia. Over Insul., In.</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7940	Twisted Pair	Red & Black	.076	9	\$10.80
S-7944	Triplex	Red-Ivory-Black	.076	14	16.20

Prices shown are subject to change without notice.

Alphaduct Jumper Wire

Annealed tinned copper conductors insulated with a semi-rigid thermoplastic. Clear, bright colors on conductors, high dielectric strength, and marked resistance to deformation, abrasion, flame, moisture and chemicals. No. 22 wire; diameter over insulation, .056 inch. Standard carton, 1000 feet.



<i>Cat. No.</i>	<i>No. of Cond.</i>	<i>Color</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7938	Tw. Pair	Red & White	7	\$10.10
S-7939	Triplex	Red-White-Blue	11	15.15
S-7941	Tw. Pair	Red & Black	7	10.10

Alphaduct Ground Wire

A single, plain, soft-drawn copper conductor, insulated with thermoplastic, for grounding protectors and terminals. No. S-7844 is stranded, others are solid conductors. Standard carton, 500 feet.



<i>Cat. No.</i>	<i>Size AWG</i>	<i>Color</i>	<i>Diam. over Insul. in.</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7834	14	White	.130	19	\$ 19.15
S-7836	14	Black	.130	19	19.15
S-7840	12	Black	.147	28	28.35
S-7842	6	Black	.291	112	117.50
S-7844	6	Black	.312	119	135.40

Twisted Pair Outside and Direct Burial Distributing Wires



Copper conductors, rubber-insulated, jacketed with Neoprene. Longitudinal ridge indicates polarity. S-7869 and S-7891 for aerial and on-the-ground emergency use; others for burial. Standard coil is 750 ft. (except S-7869, which is 1000 ft.).

<i>Cat. No.</i>	<i>Wire Size AWG</i>	<i>Diam. over Jacket In.</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-7869	16	.185	52	\$45.25
S-7871	16	.203	56	53.95
S-7891	14	.226	73	63.35
S-7894	14	.238	79	71.60
S-7895	12	.265	112	104.95

Six-Pair Drop Cable



Medium-hard-drawn, insulated No. 19 AWG copper conductors are encased in a thermoplastic jacket, highly resistant to abrasion. This multiple drop wire is self-supporting, and facilitates easier, neater installations in multi-station buildings.

Individual conductors are polyethylene insulated, twisted into pairs, and spirally wrapped with a lapped polyethylene tape and aluminum shield, before jacket is applied. Standard reel length, 5000 feet.

<i>Cat. No.</i>	<i>Overall Dia., Inches</i>	<i>Lbs. per 1000 Ft.</i>	<i>Price per 1000 Ft.</i>
S-3267	.49	135	\$151.00

Underground Service or Distribution Wire



This underground wire consists of two parallel copper, lead-alloy-coated No. 16 AWG conductors, insulated with a high grade moisture-resistant rubber. For mechanical protection and shielding where required, a series of galvanized flat steel ribbons are concentrically spiraled (edge to edge) around the insulated conductors. This entire as-

sembly is then enclosed in a tough, durable neoprene jacket. Standard length, 5000 ft.; non-returnable reel.

<i>Cat. No.</i>	<i>Overall Size Inches</i>	<i>Lbs. per 1000 Ft.</i>	<i>Prices on Request</i>
S-7883	.285x.437	135	

Prices shown are subject to change without notice.

Thermoplastic Self-Supporting Distribution Wire



Type RDT-19



Type STD-22



Type UDT-24

The recent development of self-supporting distribution wire has brought to the attention of the telephone industry a new, economical, way to extend existing open wire lines, or to supplement existing open wire lines to quickly serve new areas and subscribers.

Rural Distribution Wire, Type RDT-19 (No. 19 AWG), is recommended for use where subscriber stations are a long distance from the central office. Twisted pairs, No. 19 AWG paired and cabled around a steel wire. Each conductor solid, annealed, uncoated copper; .020" black polyethylene insulation, .010" tough, color-coded Gencaseal jacket; conductors paired with staggered lays. Support wire, .109" galvanized, solid, steel, insulated with .025" high-molecular-weight black polyethylene.

Suburban Distribution Wire, Type SDT-22 (No. 22 AWG), is designed for intermediate distances between the central office and subscriber area. Twisted pairs, No. 22 AWG paired and cabled around a steel wire. Each conductor solid, annealed, uncoated copper; .015" black polyethylene insulation; .010" tough, color-coded Gencaseal jacket, conductors paired with staggered lays. Support wire, .109" galvanized, solid, steel, insulated with .025" high-molecular-weight black polyethylene.

Urban Distribution Wire, Type UDT-24 (No. 24 AWG), was developed for use in areas where relatively short distances are to be covered. Twisted pairs, No. 24 AWG solid, annealed, uncoated copper; .020" color-coded Gencaseal

insulation; conductors paired with staggered lays. Support wire, .109" galvanized, solid steel, insulated with .025" high-molecular-weight black polyethylene. Paired conductors assembled into 4 groups of 4 pairs each and cabled around insulated support wire in one layer; binder of Nylon or Orlon overall.

Distribution wire furnished on 2000 or 4000 ft. non-returnable reels.

Type RDT-19 19 AWG Soft Copper Conductors

Cat. No.	Total Pairs	Approx., O.D., Inches	Approx. Lbs. per 1000 Ft. Net	Ship.	Price per 1000 Ft.
S-3312	1	.55	51	72	\$ 47.70
S-3313	2	.55	65	86	62.60
S-3335	3	.55	79	100	77.00
S-3333	4	.55	93	117	97.40
S-3337	5	.55	107	134	119.00
S-3271	6	.55	121	149	138.00
S-3314	11	.94	191	251	239.00
S-3315	16	.94	261	336	332.00

Type SDT-22 22 AWG Soft Copper Conductors

S-7841	6	.46	85	125	106.00
S-7843	11	.68	126	166	174.00
S-7821	16	.68	167	207	236.00

Type UDT-24 24 AWG Soft Copper Conductors

S-7823	16	.61	139	181	163.00
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Alpha-C Polyethylene-Insulated Line Wire



A new design, single-pair, self-supporting line wire, for economical rural service. Recommended for laterals branching from open wire or through trees. Its parallel, extra-high-strength conductors are insulated with outdoor-

grade polyethylene. Excellent weather and moisture-resistance, low capacitance and attenuation permits long spans. Standard lengths, 5,000-ft. or 15,000-ft.; non-returnable reels.

Cat. No.	Size AWG	No. Cond.	Breaking Load, Lbs.	Nominal Overall Size	Lbs. per 1000 Ft.	Price per 1000 Ft.
S-7839	14 Copperweld	2	1100	.145x.230"	34	\$37.45
S-7847	12 Copperweld	2	1800	.145x.315"	51	51.55

Prices shown are subject to change without notice.

Cable Splicer's Tent Heater



The Perfection 11-B Aerial Tent Heater uses kerosene for fuel. It is a convenient, safe, economical and dependable method of tent heating. Operates from 5 to 24 hours on one filling of kerosene—tank capacity is ½ gallon.

Cat. No.	Description	Lbs., Each	Price Each
S-4774	Heater Complete	6	\$16.95
S-7754	Extra Wicks	1/8	.60
S-7755	Wick Cleaner	1/4	.60

Copperweld Grip-flex Insulator Ties

Reinforcing portion is made from hard-drawn Copperweld and extends over the full length of the tie. Grip-Flex ties are pre-formed to a helical shape to make a tight snug fit on the conductor. Furnished with 11 AWG, 24 inch binding wire. Approx. wt., 7 lbs. per 100. For line wire.



Cat. No.	Line Wire AWG Size	Price per 100
S-7504	10	\$8.87
S-7503	12	8.31

Diamond Tie Splints

For use with 109—12 BWG Galvanized line wire. Splints and tie wire ordered separately.



Cat. No.	Description	Standard Bundle Count	Lbs.	Price
S-8002	Splint 17-1/4" long	100	7-3/4	\$8.40 per 100
S-8003	Tie wire 30" long	600	50	30.33 per C lbs.

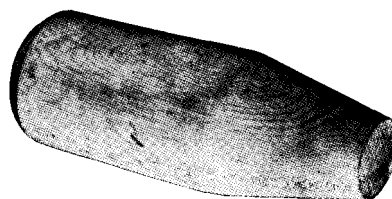
Gencaseal Interior Telephone Cable



This Gencaseal insulated and jacketed interior cable is designed for interior distribution, or for terminating other cables. Conductors are 22 AWG plain copper, insulated with .014" color-coded Gencaseal. Individual conductors are paired and cabled, then wrapped with a lapped crepe paper belt. Finally a .040" brown Gencaseal jacket is extruded over-all.

Cat. No.	No. of Pairs	Approx. O.D., In.	Lbs. per 1000 Ft.	Price per 1000 Ft.
S-3280	6	.36	70	\$72.00
S-3282	11	.44	116	123.00
S-3283	16	.52	156	167.00
S-3284	26	.62	237	256.00

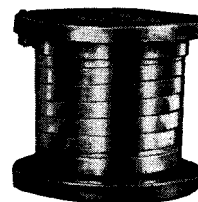
Drift Plugs



Used for smoothing out and straightening lead sheaths.

Cat. No.	Diam., In.	Lbs. Each	Price Each
S-5848	1	1/8	\$0.63
S-5849	1-1/4	1/8	.90
S-5850	1-1/2	1/4	1.00
S-5851	1-3/4	1/4	1.09
S-5852	2	3/8	1.47
S-5853	2-1/4	3/4	1.93
S-5854	2-1/2	7/8	2.13
S-5846	2-3/4	1-1/8	2.67
S-5856	3	1-3/8	3.03

Bonding Ribbon



Copper strips .0625 x .375" for bonding cable. Approximately 12 feet to the pound, 5 lbs. per spool.

Cat. No.	Description	Lbs. per Spool	Price per Lb.
S-6062	Bonding Ribbon	6	\$1.04

Prices shown are subject to change without notice.

Supertel Thermoplastic Telephone Cable



TYPE III



TYPE VII

Supertel is available in sizes 24, 22, and 19 AWG from 6 to 404 pairs. Each conductor is made of solid bright annealed copper and is covered with .015" polyethylene insulation. Conductors are paired, twisted and cabled in concentric layers or units, and are further protected by a polyethylene tape and aluminum shield. The thermoplastic

jacket completes the over-all assembly of the aerial or duct cable (Type 3).

The direct burial (Type 7) cable is further protected with an armor of two .013" aluminum tapes spiralled over this jacket assembly, and an outer jacket of high-molecular-weight polyethylene is applied overall.

<i>No. Pairs in Cable</i>	<i>Guaranteed Pairs</i>	<i>Std. Reel Length, Ft.</i>	<i>Approx. Diam., Inches</i>		<i>Lbs. per 1000 Ft.</i>	
			<i>Type 3</i>	<i>Type 7</i>	<i>Type 3</i>	<i>Type 7</i>
No. 24 AWG, Spec. TC-1303						
11	11	5000	.45	.59	70	130
16	15	5000	.51	.66	92	170
26	25	5000	.58	.74	135	220
51	50	3000	.76	.93	245	370
76	75	3000	.91	1.07	345	490
101	100	3000	1.02	1.22	460	640
152	150	3000	1.23	1.44	680	895
202	200	1000	1.39	1.60	875	1,140
303	300	1000	1.67	1.90	1,280	1,620
404	400	1000	1.91	2.16	1,690	2,110
No. 22 AWG, Spec. TC-1301						
11	11	5000	.49	.64	91	155
16	15	5000	.55	.70	120	205
26	25	5000	.65	.81	190	285
51	50	3000	.83	1.01	335	470
76	75	3000	1.00	1.19	490	665
101	100	3000	1.13	1.32	640	835
152	150	3000	1.34	1.57	940	1,200
202	200	1000	1.55	1.78	1,240	1,560
303	300	1000	1.86	2.12	1,820	2,230
404	400	1000	2.13	2.40	2,410	2,900
No. 19 AWG, Spec. TC-1302						
11	11	5000	.60	.75	155	245
16	15	5000	.70	.85	220	325
26	25	5000	.82	.99	330	465
51	50	3000	1.08	1.28	625	815
76	75	3000	1.29	1.51	910	1,160
101	100	3000	1.49	1.72	1,200	1,480
152	150	2000	1.78	2.03	1,770	2,160
202	200	1000	2.03	2.31	2,330	2,800
303	300	1000	2.44	2.74	3,430	4,030
404	400	1000	2.82	3.15	4,570	5,340

Automatic Electric can supply all types of lead-covered cable—19, 22, 24 and 26 gauge, single paper wrapped, jute-covered or tape-armored. We also supply clay conduit

and all equipment and tools for both aerial and underground cable construction. For complete information write or call our nearest sales office.

Self-Fluxing Solder

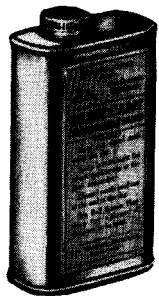


Cat. No.	Core	Diam., In.	Lbs. per Spool	Price per Lb.
S-7109	Rosin-Five	3/32	1	\$1.10
S-7125	Rosin-Five	3/32	5	1.06
S-7104	Stearine	1/8	1	1.10
S-7097	Stearine	1/8	5	1.06
S-7127	Rosin-Five	1/16	1	1.13
S-7135	Rosin-Five	1/16	5	1.09

Solid Wire Solder

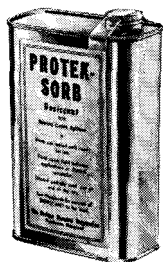
Cat. No.	Size	Diam., In.	Type	Lbs. Each	Price per Lb.
S-7112	9	.148	40% Tin; 60% Lead	1	\$0.91
S-7114	9	.148	40% Tin; 60% Lead	5	.86
S-7116	9	.148	50% Tin; 50% Lead	5	.98
S-7120	6	.203	50% Tin; 50% Lead	5	.98

Drierite Desiccant



An improved method of drying out cable splices. A granulated compound, it is placed in among conductors after wires have been spliced. Wrapping with muslin and covering with lead sleeve is then done in the usual manner. For plastic cable, use S-4202 Polyethylene Film (Page 58) for holding desiccant.

Cat. No.	Description	Lbs. Each	Price per Can
S-5956	1/8 Pt. 50 Grams	1/4	\$0.16
S-5959	1/2 Pt. 200 Grams	2/3	.32
S-5960	1 Qt. 800 Grams	1-1/2	.72



Protek-Sorb Desiccant—Type B

Chemically inert and non-corrosive. Will not cake, dust, powder or liquefy.

Cat. No.	Size	Cans per Case	Lbs. per Can	Price per Can
S-5957	160 Grams	12	1/2	\$0.38
S-5958	650 Grams	12	1-7/8	1.21

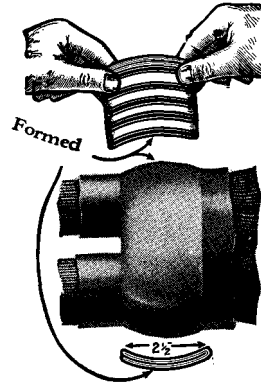
Bar Solder



Supplied in 1½ lb. Bars

Cat. No.	Type	Price per 100 Lbs.
S-7106	Wiping, 37% Tin; 63% Lead	\$65.20
S-7108	40% Tin; 60% Lead	67.60
S-7110	50% Tin; 50% Lead	78.70

Formed Wiping Cloths



Cloth ticking with a curved shape to give a symmetrical wiping surface. Can be worked up to any desired flexibility by bending in the fingers. Has a slick, smooth surface to which solder cannot stick.

Formed Cloths

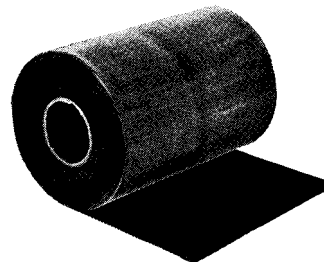
Cat. No.	Size, In.	Lbs. per 100	Price Each
S-3712	2 x2	6-1/4	\$0.24
S-3714	2-1/2x2-1/2	9-1/4	.32
S-3716	3 x3	12-1/2	.40
S-3718	3-1/2x3-1/2	18-3/4	.40
S-3720	4 x4	21-3/4	.48

Catch Cloths

Flat, straight edged cloths made of ticking.

Cat. No.	Size	Lbs.	Price
S-3736	5x 5	25	.64
S-3738	6x 6	31-1/4	.72
S-3740	6x 7	37-1/2	.80
S-3741	7x 8	46-3/4	.96
S-3742	8x 8	53	1.04
S-3737	8x10	69	1.28
S-3739	10x12	98	1.68

Rubber Insulating Bandage

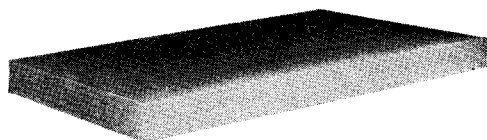


For temporary insulation to protect cable splices from moisture, or, as a temporary insulating barrier for protection from high-tension wires. Roll is 14 feet long, four inches wide.

Cat. No.	Description	Oz.	Price per Roll
S-2343	Insulating Bandage	12	\$1.50

Prices shown are subject to change without notice.

Paraffin



Furnished in 11 lb. cakes or in cartons of 52 lbs. each.
Melting point, 125-127°F.

Cat. No.	Std. Pkg.	Lbs. per Ctn.	Price per 100 lbs.
S-5626	5 Cakes	52	\$16.45

Beeswax



Cat. No.	Lbs. per Cake	Price per Lb.
S-2397	1	\$1.15

Candles

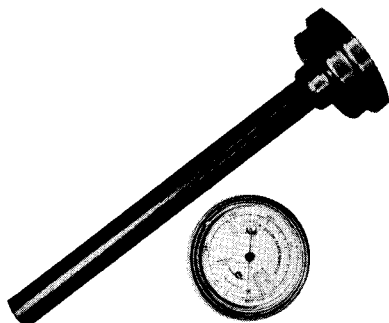
Cat. No.	Description	Length, In.	Lbs. per 100	Price
S-7190	Stearine	3-7/8	17	\$0.54 per Lb.
S-3250	Plumber's	5	20	10.75 per 100

Polyethylene Film

For holding desiccant when splicing plastic cable. Furnished in sheets, 18 x 36 x .0015" thick.

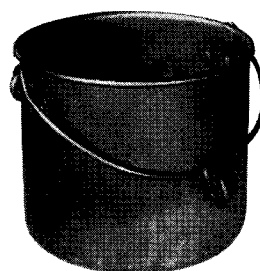
Cat. No.	Description	Lbs. per 100	Price Each
S-4202	Polyethylene Film	6	\$0.20

Temperometer



Measures correct temperature of cable damming and impregnating compounds. Dial is 2 1/8" diameter, calibrated from 200 to 1000°F.

Cat. No.	Overall Length, In.	Lbs. Each	Price Each
S-7464	8-3/4	1/2	\$7.25



Paraffin Pots

Eight-quart capacity. Order cover separately.

Cat. No.	Description	Lbs. Each	Price Each
S-5942	Melting Pot	5-1/4	\$5.85
S-5943	Cover	1/2	1.40

Solder Melting Pots

Cat. No.	Diameter, In.	Lbs. Each	Price Each
S-5936	5	2-1/2	\$1.28
S-5938	6	3-3/4	1.62
S-5940	8	9-1/4	3.15

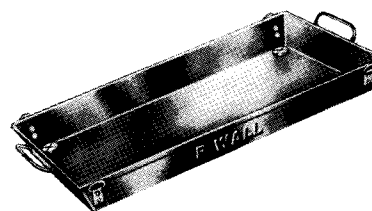


Pot Hook Handle

For hanging pots on cable messenger or cable hooks. Made of 5/16" steel rod.

Cat. No.	Lbs. per Doz.	Price Each
S-4858	8	\$1.80

Paraffin Pans



Welded construction of 18 gauge steel 24"x14"x3 1/4". Rings and straps securely riveted.

Cat. No.	Description	Lbs. Each	Price Each
S-5619	Paraffin Pan	8-1/2	\$8.40

Paraffin Dipper

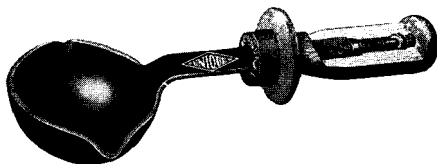


One quart capacity, 10" handle. Weighs 1 lb.

Cat. No.	Depth, In.	Price Each
S-3940	3-1/4	\$1.60

Prices shown are subject to change without notice.

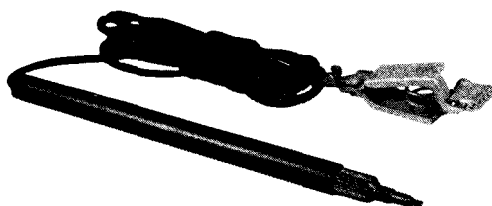
Unique Pouring Ladles



Lips lower than bowl and rounded to pour solder drop by drop or in large stream without spilling over edge. Handle attached with screw driver.

<i>Cat. No.</i>	<i>Bowl, In.</i>	<i>Capacity</i>	<i>Oz. Each</i>	<i>Price Each</i>
S-5170	3	1/8 pt.	12	\$2.65
S-5172	3-1/2	1/4 pt.	16	2.85
S-5174	4	3/8 pt.	18	2.95

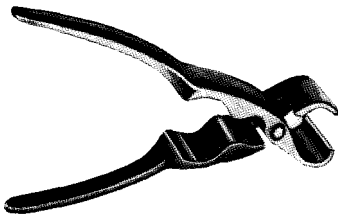
Needle-Point Test Pick



For identifying wires in making test splices. Brass sleeve covers a brass shell with a brass nipple holding a number of sewing needles screwed in one end.

<i>Cat. No.</i>	<i>Description</i>	<i>Oz. Each</i>	<i>Price Each</i>
S-7482	Test Point Complete	3	\$1.80
S-7489	Extra Needle Point Only	1/4	.52

Sheath-Closing Pliers



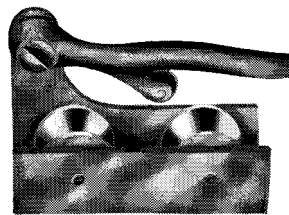
For opening and closing cable sheaths 1/2" to 1 1/2" diameter. Made of malleable iron. Rounded edges on openings and jaw ends protect soft cable. Rugged jaws lay cable open to any desired width. Three-size openings and contours permit easy closing of cable.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-3277	Sheath closing plier	2	\$3.75

Wood Cable-Dressers

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. per Dozen</i>	<i>Price Each</i>
S-3950	Hardwood Dresser	10	\$1.75
S-3961	Lignum Vitae Dresser	18	4.65

Cable Sheath Slitter



For slitting the lead sheath of cables from 1/2 to 1 inch in diameter. Aluminum frame with 2 V-shaped rollers, hinged handle with a disc cutter.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-3281	Sheath Slitter	3	\$6.00

Cable Sheath Opener



Used in prying open the sheath of cables after slitting. Opener has two hooks of different shapes to care for difference in cable size and for changes in the sheath contour.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-3279	Sheath Opener	1/2	\$2.00

Cable Splicer's Muslin



<i>Cat. No.</i>	<i>Size</i>	<i>Lbs. Ea.</i>	<i>Price per Roll</i>
S-5370	4 in. x 10 yds.	1/4	\$0.43

Cotton Tape



Should not be confused with cable splicer's muslin which is four inches wide.

<i>Cat. No.</i>	<i>Size</i>	<i>Lbs. Ea.</i>	<i>Price per Roll</i>
S-7412	1 in. wide x 18 yds. long	1/4	\$0.43

Cable Pasters

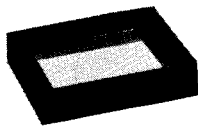


Rolls are gummed on one side, 2" wide, 100 feet long.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price per roll</i>
S-5646	Cable Pastors	1/2	\$0.29

Prices shown are subject to change without notice.

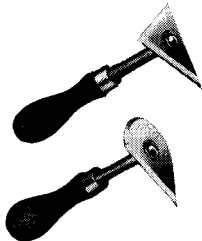
Cable Splicer's Mirror



Polished plate glass in rubber frame 3½" square.

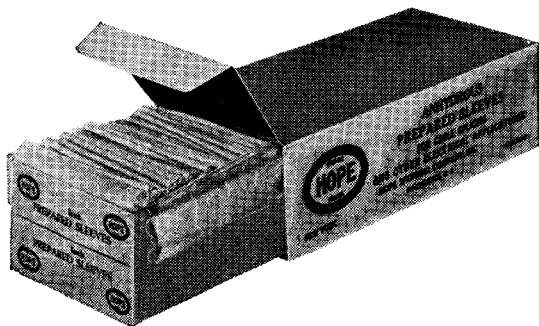
Cat. No.	Description	Lbs., Each	Price Each
S-5324	Splicer's Mirror	1/4	\$2.30

Shave Hooks



Cat. No.	Type of Blade	Lbs. per Doz.	Price Each
S-4862	Triangle	2-3/4	\$0.75
S-4864	Half Oval	2-3/4	.75
S-4548	Leather Guard	1-1/2	.55

Prepared Sleeves



Prepared waxed single-wall cotton sleeves, approximately 3¼" long. Packed in moisture-proof boxes, ready to use.

Cat. No.	For Gauge	Approx. No. to Box	Lbs. per Box	Price per Box
S-6902	26	900	1	\$1.40
S-6896	24	700	7/8	1.14
S-6898	22	400	3/4	1.08
S-6900	19-16	200	3/4	1.32

Polyethylene Sleeves for Plastic Cable

For splicing polyethylene and polyvinyl chloride insulated cable. Clear polyethylene sleeves are 3" long. 500 to box.

Cat. No.	Inside Diam., In.	For Gauge Cable	Lbs. per 1000	Price per 1000
S-7038	7/64	24	1-1/4	\$3.75
S-7054	1/8	22	1-1/4	3.75
S-7056	5/32	19	1-1/2	3.75
S-7058	7/32	19 Branch	2-1/4	4.35

Lead Sleeving



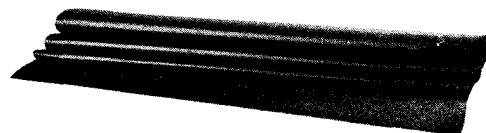
Can be furnished in six-foot mill lengths for greater economy; other sizes available on order. Inside diameters are given below. All sleeves under three inches have a wall thickness of ⅛"; those with a diameter of 3" or more have a 3/16" wall.

		Cut Lengths		Lbs. Each	Price per 100 Lbs.
Cat. No.	In. Diam., Length	No. Pr. Cable	AWG, GA.		
S-6819	3/4x15	6	19,22	2.12	\$29.10
		11	19,22,24		
		16	19,22,24		
		26	24		
S-6820	1 x15	51	24	2.87	29.10
		26	19,22		
S-6821	1-1/4x15	51	22	3.5	29.10
		76	24		
S-7059	1-1/2x15	51	19	4.00	29.10
		76	22		
S-7062	1-3/4x17	101	22,24	5.38	29.10
		76	19		
		152	24		
S-7064	2 x17	101	19	5.81	29.10
		152	22		
		202	24		
S-6822	2-1/4x17	202	22	6.52	29.10
		303	24		
		404	24		
S-6823	2-1/4x20	152	19	7.67	29.10
S-6825	2-3/4x20	202	19	9.67	29.10
		303	22		

6-Foot Mill Lengths

Cat. No.	Inside Diam., In.	Lbs. per Ft.	Price per 100 Lbs.
S-6844	3/4	1.7	\$28.40
S-6872	1	2.3	28.40
S-6874	1-1/4	2.8	28.40
S-6876	1-1/2	3.2	28.40
S-6878	1-3/4	3.8	28.40
S-6880	2	4.1	28.40
S-6954	2-1/4	4.60	28.40
E-6960	2-1/2	5.08	28.40
S-6968	2-3/4	5.8	28.40

Cable Wrapping Cloth



Waterproof cotton fabric used in temporarily closing splices of aerial cables to protect from weather. Furnished in sheets 24" x 38" or in yardage approximately 38" wide.

Cat. No.	Description	Wt., Oz.	Price
S-3708	Sheet—24"x38"	4	\$0.62 Each
S-3710	By the Yard	6 per yd.	.80 per Yd.

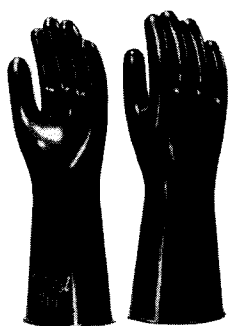
Prices shown are subject to change without notice.

Fibre Test Boards



Used for classifying pairs when testing out cable. Large, easy-to-read numbers that will not wash off. Standard numbering. Weight, 6 lbs. per 100.

Cat. No.	Numbering	Price Each
S-2729	1- 51	\$0.36
S-2730	51- 101	.36
S-2731	102- 152	.36
S-2732	152- 202	.36
S-2733	203- 253	.36
S-2734	253- 303	.36



Rubber Gloves

Steam-cured, gum rubber. Meet all specifications — government or A.S.T.M. Exceptional flexibility permits handling small wires or pliers without tiring. 10,000-volt rated. Standard length is 14 inches. Weight, 12 oz.

Cat. No.	Description	Size	Price per Pr.
S-4442	Rubber Gloves	9	\$7.50
S-4446	Rubber Gloves	10	7.50
S-4441	Rubber Gloves	11	7.50

Leather Protectors For Rubber Gloves



Top-quality protectors take the brunt off rubber gloves for hard, on-the-line usage. Curved finger design for easy handling of tools. Imported goatskin leather with adjustable straps. Nylon thread sewing throughout. 4-in. cuff; over-all length 12½". Weight, 8 oz.

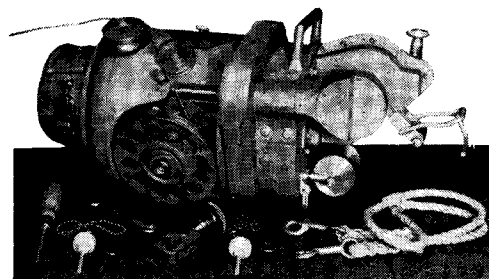
Cat. No.	For Size Glove	Price per Pr.
S-5962	9 and 10	\$4.00
S-5961	11	4.00

Carrier For Rubber Gloves

Hard woven duck with heavy webbing gussets. 8"x15"x 2¾" at bottom. Top is 5½" open.

Cat. No.	Description	Wt. Oz.	Price Each
S-2337	Glove Carrier	14	\$3.55

Model D Pull-type Spinner



Designed to place and spin new cable, or for maintenance spinning of existing cable. Instantly adjustable to take cable from minimum size to a maximum diameter of 2¼". Wire supply always visible. Ratchet on strand wheel makes it impossible for spinning wire to slack off when pull on tow line is released. Furnished with and packed in a sturdy chest.

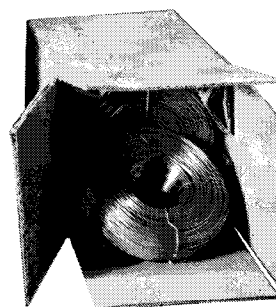
Cat. No.	Wt. Spinner Only, Lbs.	Wt. Spinner With Chest, Lbs.	Price Each
S-7141	42	73	\$469.15

Model B One-Man Spinner

Designed for spinning new cable or maintenance spinning of existing cable. May be operated by man riding the seat, or pulled along the supporting strand by a man on the ground. Two supporting trolley wheels are linked by means of a sprocket chain. Machine is shipped with: spinner chest, seat, safety belt, one tube of grease and one lashing wire clamp.

Cat. No.	Wt. Spinner Only, Lbs.	Wt. Spinner With Chest, Lbs.	Price Each
S-7121	53	130	\$483.55

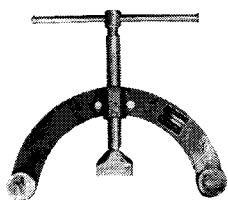
Cable Spinning Wire



Furnished with cone-shaped hub for Neale spinners, or straight hub for Western Electric spinners. Numbers S-7790 and S-7809 have heavy galvanized "C" coating on annealed steel wire for use where corrosion conditions are normal with steel strand. Other types listed are Type 430 stainless steel. In estimating amount, add 10 per cent to the length of cable to be spun.

Cat. No.	Diam., In.	Type of Hub	Approx. ft. per Coil	Lbs. per Carton	Price per Coil
S-7790	.091	Cone	325	45-1/2	\$2.35
S-7809	.091	Straight	325	45-1/2	2.35
S-7769	.045	Cone	1200	38-3/4	7.95
S-7770	.045	Straight	1200	38-3/4	7.95
S-7778	.065	Cone	650	45	7.92
S-7783	.065	Straight	650	45	7.92

Prices shown are subject to change without notice.



Little Giant Slack Puller

Furnished with either slip handle or ratchet. Yoke and moving parts are cadmium plated.

<i>Cat. No.</i>	<i>Handle</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-6009	Regular Slide	16-1/2	\$31.55
S-6010	Ratchet	17	38.15

Lashing Wire Clamp



Holds spinning wire in place when terminating at pole, keeps slack from running back when repairing cable. Bronze alloy with cadmium-plated screw.

<i>Cat. No.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-3430	1	\$6.15

Handline Block

Clamps on strand without damage to cable, will not slip on a grade. Made of bronze alloy.

<i>Cat. No.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-2581	4	\$20.60

Platform Clamps

For supporting splicer's platform. Made of bronze alloy, will not slide on grade or damage cable.

<i>Cat. No.</i>	<i>Lbs. Each</i>	<i>Price per Pr.</i>
S-3431	11	\$28.55

Bronze Cable-Placing Ring

Cast bronze body and bronze roller eliminate damage to cable sheath. Hinges open for placing on strand. Can be used on all sizes of cable. Furnished less rope.

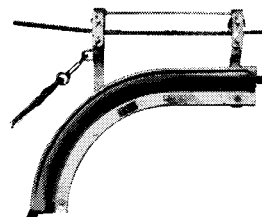
<i>Cat. No.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-3348	1	\$4.65

Steel Cable-Placing Rings

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

<i>Cat. No.</i>	<i>Lbs. Each</i>	<i>Price per Set</i>
S-3349	5-1/2	\$9.85

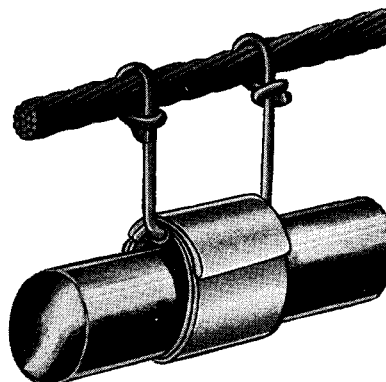
Cable-Placing Shoe



Used ahead of spinner to raise cable from reel to strand when placing and spinning cable in same operation. Cast aluminum with steel arms and rollers. Special locking pins hold the shoe on strand.

<i>Cat. No.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-3347	10	\$25.50

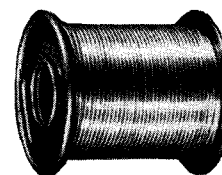
Aerial Cable Supports



Supports cable at poles, preventing ring cut. Adjustable to any height. Supports without wires are used on spun cable, with cable spacers shown on page 63. "U" shaped wires are 5" long.

<i>For Cable</i>		<i>With Wire</i>		<i>Without Wire</i>	
<i>Dia., In.</i>	<i>Lbs. per 1000</i>	<i>Cat. No.</i>	<i>Price per 100</i>	<i>Cat. No.</i>	<i>Price per 100</i>
3/4	84	S-7366	\$ 8.10	S-7377	\$ 7.88
1-3/16	110	S-7368	9.78	S-7378	9.63
2	130	S-7370	11.53	S-7379	11.38
2-5/8	162	S-7372	14.01	S-7380	13.87
3-1/8	186	S-7374	15.91	S-7381	15.69
5	256	S-7385	20.44	S-7387	20.22

Lashing Wire

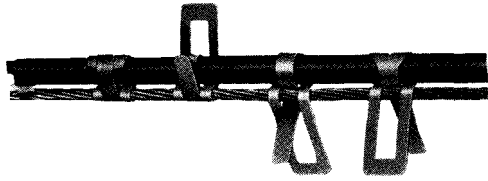


No. 16 B. & S. Ga. annealed tinned copper wire. Packed 50 spools per carton.

<i>Cat. No.</i>	<i>Lbs. per Spool</i>	<i>Price per Lb.</i>
S-7810	1	\$0.86

Prices shown are subject to change without notice.

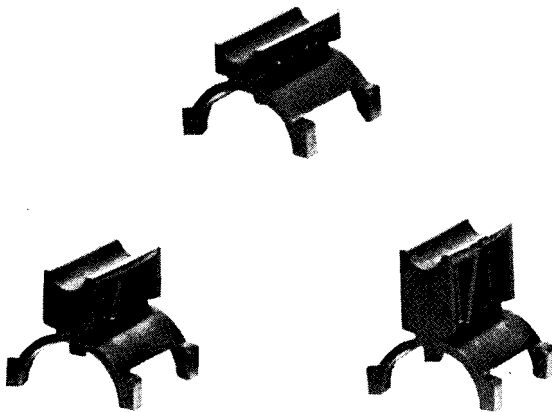
Zinc Cable Hangers



For supporting lead covered cable or insulated conductors to galvanized steel strand. Hangers wrap around cable, securely attaching to messenger, minimizing creep bow and fatigue. Zinc hangers bond cable sheath and strand to give added protection against lightning. Copper hangers also available.

Cat. No.	Cable Diam., In.	Lbs. per 1000	Price per 1000
S-4724	1/2- 3/4	35	\$27.91
S-4725	1/2-1-1/8	53	44.22
S-4726	1/2-1-5/8	73	51.18
S-4727	1-1/2-2	92	98.93

Cable Spacers



Provides a separation between cable and strand. Upper concave surface bears against underside of strand; lower concave flanges fit curve of cable.

Lead Spacers

Cat. No.	Size, In.	Lbs. per 100	Price per 100
S-7144	1/4	12-1/2	\$ 6.75
S-7145	1/2	20	8.75
S-7155	3/4	25	11.25

Plastic Spacers

Cat. No.	Size, In.	Lbs. per 100	Price per 100
S-7130	1/4	1-1/2	3.17
S-7131	1/2	2	4.00
S-7132	3/4	2-1/2	5.40

Reliable Fuses for Terminals and Protectors

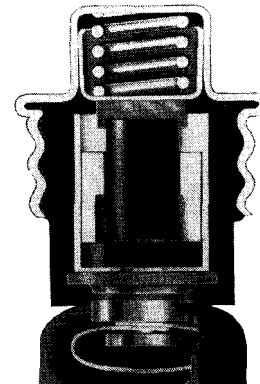


Sizes and types for every telephone protector and cable terminal supplied in ceramic. Specify amperage or 7-amp. fuses will be supplied.

Cat. No.	Type No.	Rating Amps.	Length Between Shoulders	Lbs. Per 100	Price Per 100
S-4340	27L	5	4-3/4	7	\$16.50
S-4342	27L	7	4-3/4	7	16.50
S-4378	77L	5	4-3/4	6	23.50
S-4379	77L	7	4-3/4	6	23.50
S-4370	55L	5	4-1/16	5	30.25
S-4372	55L	7	4-1/16	5	30.25

Note: Reliable Type 27L interchangeable with Automatic Electric Type 17 (SA-60), and Reliable Type 55L interchangeable with Automatic Electric Type 21 (SA-92)

Reliable Protector Units



For strand cable terminals, wire terminals, and fuseless station protectors. Screw-in type, self-contained, weather-proof. Replacement of the protector unit after operation restores protection. Furnished in multiples of 10 only.

Protector units permanently grounded by operation may be restored by replacing the used parts.

Cat. No.	Type	Lbs. per 100	Price Each
S-2238	504 Station Protector Unit	2-1/2	\$0.60
S-7541	506 Cable Protector Unit	2-1/2	.60

Protector Unit Parts

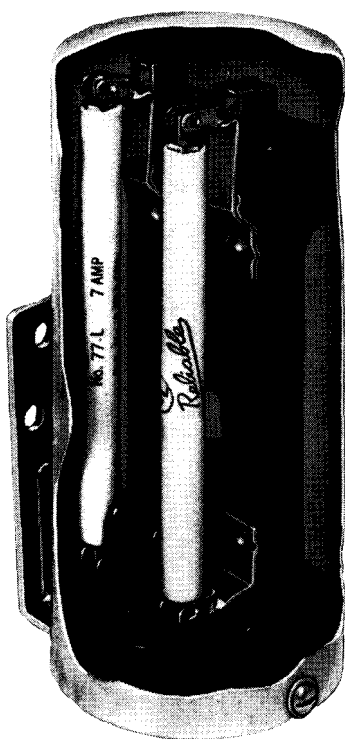
Cat. No.	Description	Min. Quan.	Ozs. per 100	Price per 100
S-8284	Carbon Block	200	2	\$ 2.15
S-8285	Alloy Pellet	200	4	1.50
S-8287	Insulator-Carbon Block for No. 504	100	4	12.70
S-8286	Insulator-Carbon Block for No. 506	100	4	12.70

Prices shown are subject to change without notice.

Reliable 2000-Series Outdoor Protector

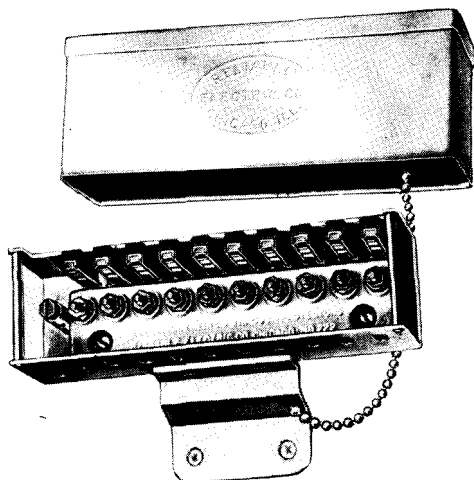
Base is tapered so cover fits insect-tight, weathertight.

Aluminum cover and mounting bracket. UL approved. 7-amp. ceramic fuses and Reliable No. P-495 self-cleaning, sawtooth discharge blocks.



Cat. No.	Type No.	Fuse No.	Lbs. Per 100	Price Each
S-8290	2000	55-L	110	\$2.45
S-8294	2000-H	77-L	110	2.20
S-8296	2000-F	27-L	110	2.00

Reliable No. 222 Outdoor Arrester



Ten-wire cross arm arrester uses P495L discharge blocks and P663 carbon blocks. Size 8¼"x3⅞"x4½".

Cat. No.	Type No.	Lbs. Ea.	Price Each
S-2211	222	4	\$6.00

Reliable Sawtooth and Type 70 Discharge Blocks

Sawtooth discharge blocks fit any arrester or cable terminal which uses standard blocks. Standard package, 100.

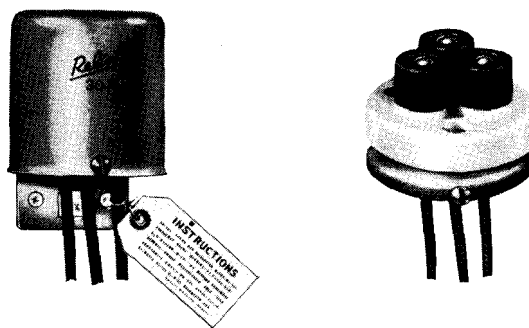
Type 70 (SC-10—SC-11) discharge block is self-grounding and self-clearing. Standard package, 50.

Cat. No.	Type	Lbs. Per 100	Price per 100
S-2616	P495 (Saw.)	1-1/4	\$10.09
S-2617	P495L (Saw.)	1-1/4	10.09
S-8220	SC-10 (.003 Gap)	1	23.80
S-8222	SC-11 (.0055 Gap)	1	23.80

Reliable Carbon Blocks

Cat. No.	Type No.	Description	Used With	Price per 100
S-2614	P197	Grooved Carbon Block	955, 955A, 977AA Indoor, 1000, 1000H, 1000F Outdoor Protectors	\$4.80
S-8227	P663	Carbon Block	222 & 402RR Arresters Type RP Terminals	4.80
S-8228	P1384	Carbon Block	2000, 2000H and 2000F Protectors, Type B27 Terminals	4.80
S-8224	P1385	Carbon Block	Type 70 Discharge Blocks	4.80

Reliable High Voltage Protector



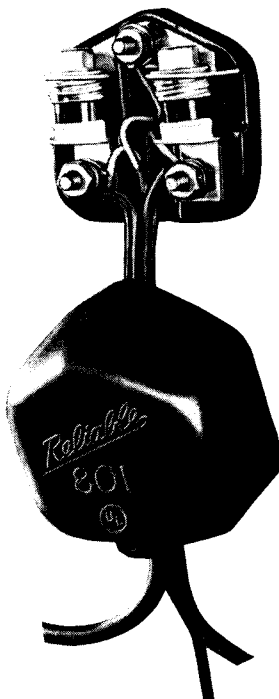
For communication lines constructed jointly with power conductors and at power crossing conflicts. May also be used as a high-current lightning arrester for two wires.

Consists of three carbon electrodes on ceramic base.

Cat. No.	Type No.	Approximate Air Gap Breakover	Lbs. Ea.	Price Each
S-8279	20HVP	2000 volts	1-1/4	\$3.30
S-8280	30HVP	3000 volts	1-1/4	3.30

Prices shown are subject to change without notice.

Reliable Fuseless Station Protectors



Three models: No. 700, for indoor mounting; No. 800 (in metal case), and No. 801 (in Neoprene case), for outdoor mounting.

These protectors use the No. 504 Protector Units which provide carbon to carbon air gap protection, and a secondary grounding element for high currents.

These same protectors provide Fuseless Cable Protection by using the No. 506 Cable Protector Units. Furnished only in multiples of 10.

Fuseless Station Protectors

Cat. No.	Type No.	Std. Pkg.	Lbs. Per 100	Price Each
S-2237	*700	2	27	\$1.75
S-2236	*800	2	40	2.55
S-2241	801	2	31	1.95
S-2238	504 Protector Unit	10	2-1/2	.60

Fuseless Cable Protectors

S-2243	700A	2	27	1.75
S-2240	800A	2	40	2.55
S-2244	801A	2	31	1.95
S-7541	506 Protector Unit	10	2-1/2	.60

*Approved and listed by Underwriters' Laboratories.

Koiled Kords

Handset 3 Cond. Tinsel

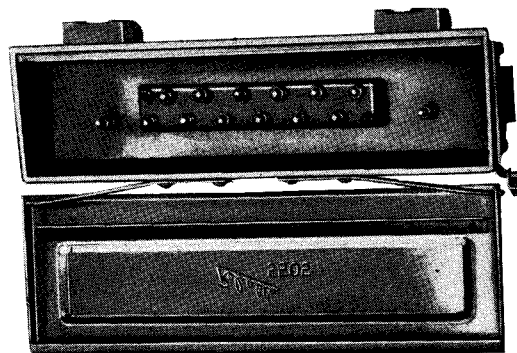
Cords are 5 ft. extended, 8½" retracted, and weigh 18 lbs. per 100.

Cat. No.	Type	Price Each
S-3874	For Kellogg No. 1000 series desk and No. 1100 series wall Masterphones.	\$0.70
S-3875	For North Electric, Stromberg-Carlson, and Western Electric handset type telephones.	.70
S-3876	For Leich Electric handset type telephones.	.70

Line Cords 3 Cond. Tinsel

Cat. No.	Extended Length, Ft.	Retracted Length, In.	Lbs. per 100	Price Each
S-3850	10	16-1/2	28	\$1.50
S-3851	15	25	40	1.80
S-3853	25	42	69	2.80

Reliable Wire Terminals—Protected and Unprotected



Terminates plastic cable and joins drop or bridle wire and Rural Distribution Wire.

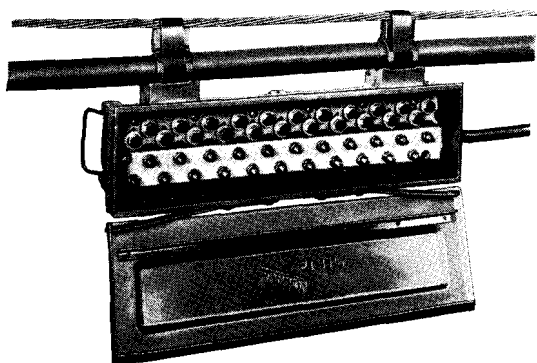
Terminals with No. 506 protector units provide for lightning discharges, power fault current — can be used as protected distribution terminals. When equipped with No. 504 protector units, these terminals can terminate plastic cable where multiple fuseless station protection is desired. Type Nos. 5503, 5507 and 5509 have porcelain blocks; other types are resin filled.

Cat. No.	Type No.	Capacity (Pairs)	Protector Unit No.	Lbs. Ea.	Price Each
S-8336	*5503	5	None	2	\$ 3.45
S-8337	†5504	6	504	5	17.40
S-8338	†5505	6	None	4	9.65
S-8339	†5506	6	506	5	17.40
S-8340	*5507	6	None	2	4.25
S-8342	†5509	6	None	5	9.50
S-8344	†5524	11	504	6	25.15
S-8345	†5525	11	None	5	11.95
S-8346	†5526	11	506	6	25.15
S-8347	†5544	16	504	8	32.30
S-8350	†5545	16	None	6	13.35
S-8352	†5546	16	506	8	32.30

*Formed aluminum housing for pole or cross arm mounting.
†Cast aluminum housing for strand, pole or wall mounting.

Prices shown are subject to change without notice.

Reliable Type ST Strand Cable Terminals



For strand, pole, and wall mounting, with reinforced cast resin binding post terminal blocks. Available with 24 gauge double paper insulated lead sheathed cable stubs, or 24 gauge plastic sheathed, plastic insulated cable stubs. Suitable for gas pressure, and are supplied either protected or unprotected.

The 6-, 11- and 16-pair terminals are equipped with cable stub entrance holes in each end for reversal of stubs.

The 26-pair terminal housing and stub are reversible without changing the terminal block. Bracket furnished for pole or wall mounting on 26-pair only. For Cable Protection use No. 506 Protector Units; for Station Protection use No. 504 Protector Units.

Protected Cable Terminals

Cat. No.	Type No.	Capacity (Pairs)	Protector Unit No.	Std. Stub Length	Type of Stub	Lbs. Ea.	Price Each
S-8322	ST6P	6	506	4-1/2'	Ld. (DPI)	7	\$21.95
S-8323	ST11P	11	506	4-1/2'	Ld. (DPI)	8	28.15
S-8324	ST16P	16	506	4-1/2'	Ld. (DPI)	10	\$36.55
S-8325	*ST26P	26	506	7'	Ld. (DPI)	13	58.50
S-8326	ST6PS	6	504	4-1/2'	Ld. (DPI)	7	21.95
S-8327	ST11PS	11	504	4-1/2'	Ld. (DPI)	8	28.15
S-8328	ST16PS	16	504	4-1/2'	Ld. (DPI)	10	36.55
S-8329	*ST26PS	26	504	7'	Ld. (DPI)	13	58.50
S-8331	ST6PA	6	506	4-1/2'	Pla. (PE)	7	21.95
S-7534	ST11PA	11	506	4-1/2'	Pla. (PE)	8	28.15
S-7535	ST16PA	16	506	4-1/2'	Pla. (PE)	10	36.55
S-7537	*ST26PA	26	506	7'	Pla. (PE)	13	58.50
S-8332	ST6PSA	6	504	4-1/2'	Pla. (PE)	7	21.95
S-8333	ST11PSA	11	504	4-1/2'	Pla. (PE)	8	28.15
S-8334	ST16PSA	16	504	4-1/2'	Pla. (PE)	10	36.55
S-8335	*ST26PSA	26	504	7'	Pla. (PE)	13	58.50

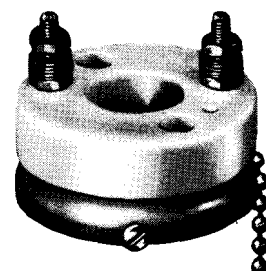
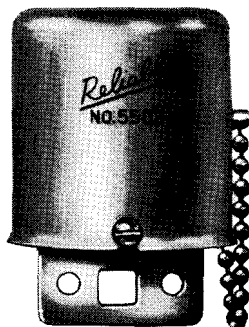
*For Pole and Wall Mounting Only.

Lead Cable Stubs: (DPI) Double Paper Insulated Lead Sheath Cable. 24 gauge is standard. (PE) denotes 24 gauge Polyethylene plastic stub.

Unprotected Cable Terminals

Cat. No.	Type No.	Capacity (Pairs)	Std. Stub Length	Type of Stub	Lbs. Ea.	Price Each
S-8318	ST6	6	4-1/2'	Ld. (DPI)	6	\$12.70
S-8319	ST11	11	4-1/2'	Ld. (DPI)	6-1/2	14.45
S-8320	ST16	16	4-1/2'	Ld. (DPI)	8	17.35
S-8321	*ST26	26	7'	Ld. (DPI)	10-1/2	27.30
S-8330	ST6A	6	4-1/2'	Pla. (PE)	6	12.70
S-7525	ST11A	11	4-1/2'	Pla. (PE)	6-1/2	14.45
S-7526	ST16A	16	4-1/2'	Pla. (PE)	8	17.35
S-7544	*ST26A	26	7'	Pla. (PE)	10-1/2	27.30

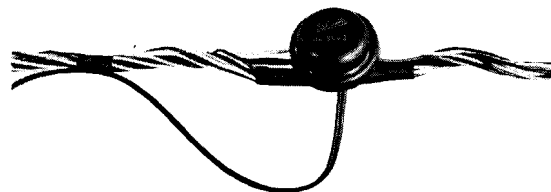
Wire Terminal Single-Pair Connector



This one-pair connector joins drop and bridle wire in small weathertight unit.

Cat. No.	Type No.	Protector Unit No.	Lbs. Ea.	Price Each
S-3797	5502	Unprotected	1/2	\$1.05

Distribution Wire Terminal

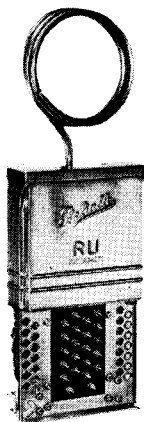


Used for taking drops off Urban, Suburban, and Rural Distribution Wire. Molded plastic.

Cat. No.	Pairs	Cap. Ea.	Lbs. Each	Type No.	Price
S-3796	5500	1	1/2		\$0.80

Prices shown are subject to change without notice.

Reliable RU Cable Terminal



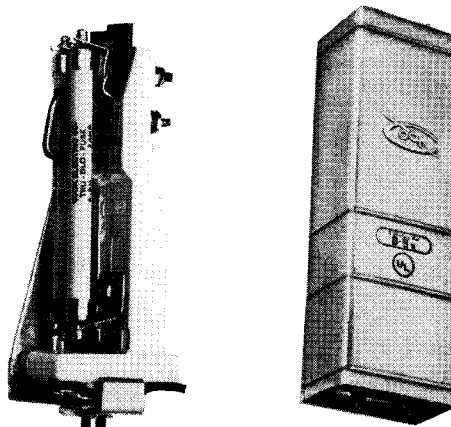
Unprotected type cable terminal with an aluminum cable chamber. The face plate is molded bakelite.

The rigid cover is made of aluminum alloy; gravity catches are provided on the fanning plate to hold the cover in a raised position. The terminal is equipped with a detachable mounting bracket for easy installation.

Bracket has four 7/16" mounting holes and cover is secured to the terminal with a bead chain.

<i>Cat. No.</i>	<i>Capacity (Pairs)</i>	<i>Height Overall, In.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-8310	6 Less Stub	11	5	\$ 7.70
S-8311	6 With 6 Ft. Stub	11	9	10.50
S-8312	11 Less Stub	11	6	9.15
S-8313	11 With 6 Ft. Stub	11	10	13.85
S-8314	16 Less Stub	12-1/2	7	10.90
S-8315	16 With 6 Ft. Stub	12-1/2	11	16.50
S-8316	26 Less Stub	16	11	15.60
S-8317	26 With 6 Ft. Stub	16	17	22.80

O-9u Sub-Station Protector



A single-circuit protector for indoor and outdoor use. Equipped with two True-Gap dischargers. Neoprene gaskets keep out insects, dust, snow. 6" long, 2 1/4" wide, 1 3/4" deep. UL-listed.

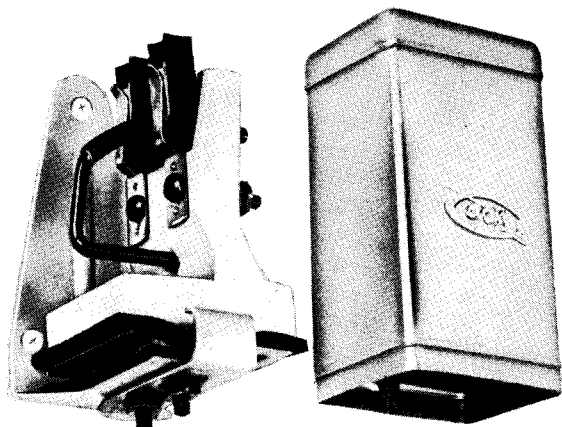
<i>Cat. No.</i>	<i>Type</i>	<i>Description</i>	<i>Lbs. ea.</i>	<i>Price Each</i>
S-8600	O-9u	A-9u Lavite Fuses 7 amp.	1-3/4	\$2.20

Type 07, 012, and 052 Protectors

Same basic design as the O-9u except for length and type of fuses.

<i>Cat. No.</i>	<i>Type</i>	<i>Description</i>	<i>Lbs. ea.</i>	<i>Price Each</i>
S-2201	07	A-7 Wood fuses 5 amp.	1-3/4	\$2.00
S-8532	07	A-7 Wood fuses 7 amp.	1-3/4	2.00
S-2206	012	A-12 Lavite fuses 5 amp.	1-1/2	1.90
S-2208	052	A-52 Fibre fuse 7 amp.	2	2.45

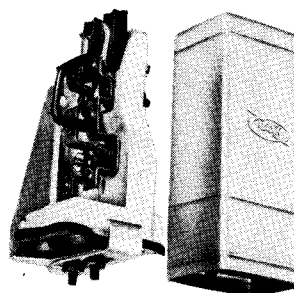
Type 1 High Potential Arrestor



For station protection, static drain on open wire lines, and as adjunct to sub-station protector where risk of power cross exists. Has Tru-Gap dischargers.

<i>Cat. No.</i>	<i>Type No.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-2188	1	3/4	\$1.55

Four Party Line Junction



Terminates and protects the cable pair drop, the cable pair, and distributes four party line drops. Easy to install with all drop wires doubly protected when used in conjunction with Sub-Station Protectors. Neoprene gasket keeps out insects, dust.

<i>Cat. No.</i>	<i>Type No.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-8500	501-7400	1-1/2	\$2.40

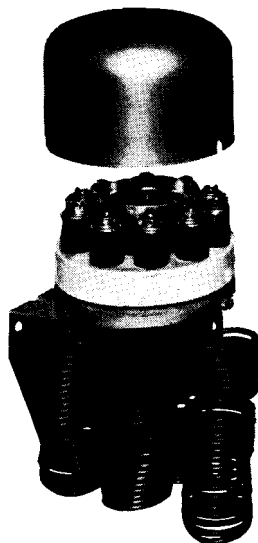
Prices shown are subject to change without notice.

Hy-Cap 5 Circuit Power Cross Protector

For poles shared by communication and power circuits.

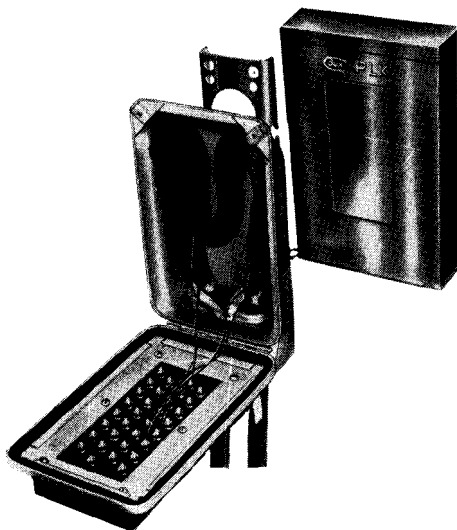
Provides a single assembly for 5 circuits to be mounted on a 10-pin arm requiring only a single ground wire.

Unit is weather proofed with aluminum cover and sealed with rubber grommets. It is designed to provide an extended arcing period by means of heat radiation fins and to prevent carbon breakdown by means of a light gauge self-destroying cover.



<i>Cat. No.</i>	<i>Type No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-8543	501-50	5 pair	6	\$17.45
S-8542	501-40	Single Pair	1-1/4	3.75

Cook P-L-X Plastic Loop Cable Terminal



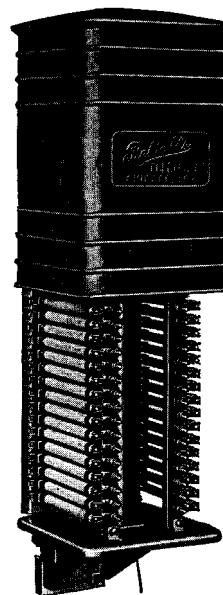
Installed without stubbing, splicing, or potting. Features Minigap Arresters (See page 71). Specify cable size and gauge; also if one or two holes.

Unprotected				
<i>Cat. No.</i>	<i>Type</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-8687	452-1106	6 pair	10	\$15.50
S-8688	452-1111	11 pair	10-1/4	17.20
S-8689	452-1116	16 pair	10-1/2	20.00
S-8690	452-1126	26 pair	14	29.95

Protected

<i>Cat. No.</i>	<i>Type</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-8695	452-1306	6 pair	10-3/4	\$26.55
S-8696	452-1311	11 pair	11-1/2	33.60
S-8697	452-1316	16 pair	12	41.80
S-8698	452-1326	26 pair	14-3/4	57.65
S-2229	41-310	Minigap		.40

Reliable B27 Protected Cable Terminal



For terminating lead covered cable and for drop wire distribution. It is all metal yet is light in weight.

Protection consists of two 27L, 5 ampere fuses of the snap-in type, two P495L self-cleaning sawtooth discharge blocks, and two P1384 carbons per pair.

Cable chamber is on pole side. Cable wires terminate in hollow studs and can be soldered outside of the chamber.

<i>Cat. No.</i>	<i>No. of Pairs</i>	<i>Type</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-8300	11	Less Stub	11	\$26.30
S-8301	11	With 7 Ft. Stub	17	31.50
S-8302	16	Less Stub	13	36.15
S-8303	16	With 7 Ft. Stub	19	42.65
S-8304	26	Less Stub	21	49.55
S-8305	26	With 7 Ft. Stub	27	58.10

Cook Precision Rated Fuses

A-9U listed by Underwriter's Laboratory.

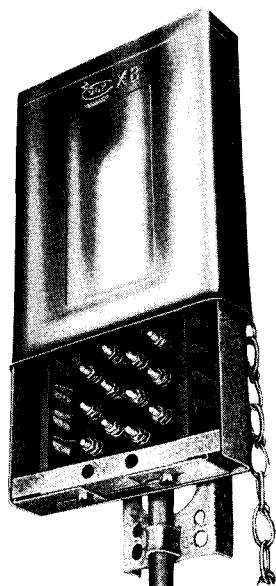
<i>Cat. No.</i>	<i>Type</i>	<i>Description</i>	<i>Lbs. Per 100</i>	<i>Price per 100</i>
S-4330	A-7	Wood 5 amp.	8	\$12.70
S-4331	A-7	Wood 7 amp.	8	12.70
S-4334	A-9	Lavite 5 amp.	8	16.50
S-4311	A-9U	Lavite 7 amp.	8	21.80
S-4336	A-12	Lavite 5 amp.	8	15.25
S-4360	A-45	Lavite 1 amp.	7	16.50
S-4315	A-52	Fibre 7 amp.	8	30.25

Prices shown are subject to change without notice.

Cook XB Unprotected Cable Terminal

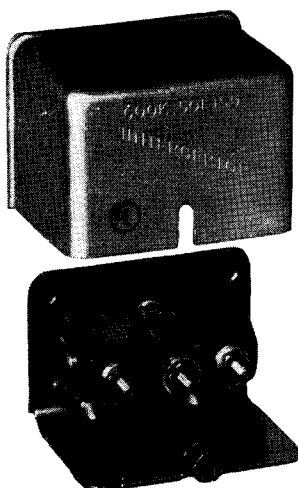
Features Bakelite face plate and one-piece, insulating fanning strip, with Everdur studs positioned for convenient wiring.

Hood is of heavy sheet zinc, fits closely to box. Terminal may be mounted with stub at either top or bottom.



<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-8740	6 pair less stub	5	\$ 7.70
S-7441	6 pair with 5-1/2' stub	8	10.50
S-7475	11 pair less stub	7	9.15
S-7476	11 pair with 5-1/2' stub	15	13.85
S-7477	16 pair less stub	8	10.90
S-7479	16 pair with 5-1/2' stub	16	16.50
S-7480	26 pair less stub	11	15.60
S-7481	26 pair with 5-1/2' stub	22	22.80

Cook "Interceptor" Fuseless Protector



For indoor or outdoor mounting. Ideal for open wire pole or cross arm installation ahead of the subscriber dropwire where protection is desirable for joint occupancy with power circuits.

Designed to meet UL standards. Both arresters will pass 30 amperes for 15 minutes.

For indoor mounting the Interceptor consists of a moulded Bakelite base with heavy everdur terminal and ground studs and two #41-350 Minigap arresters.

For outdoor mounting the Interceptor is enclosed in weatherproof housing with grommetted bracket.

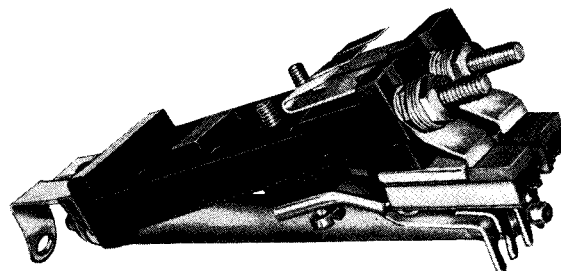
<i>Cat. No.</i>	<i>Type No.</i>	<i>Description</i>	<i>Lbs. per 100</i>	<i>Price Each</i>
S-2231	501-150	Outdoor	56	\$2.50
S-2232	501-165	Indoor	30	1.70
S-2233	41-350	Minigap	2 1/2	.60

Cook S-20 Pole Cable Terminal

In wide use as either protected or unprotected terminal. The cable opening is located close to the pole, all connections are at the front and drops are taken out through knockouts to prevent entrance of insects, moisture and dust. See illustration of S-20-V on Page 70.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-8703	6 pr. less protectors less stub	11	\$14.95
S-7493	6 pr. less protectors w/7' stub	18	19.70
S-8704	11 pr. less protectors less stub	15	18.85
S-7499	11 pr. less protectors w/7' stub	23	26.55
S-8705	16 pr. less protectors less stub	18	26.00
S-7500	16 pr. less protectors w/7' stub	28	34.15
S-8706	26 pr. less protectors less stub	23	27.90
S-7502	26 pr. less protectors w/7' stub	35	39.50
S-8707	51 pr. less protectors less stub	45	51.50
S-8708	51 pr. less protectors w/7' stub	58	70.10
S-5348	Protector Mounts		1.65

Type H Dual Gap Protector Unit



Used in RO mounting bracket, S-20 and S-20V terminals, and type "U" protector.

Tru-Gap Discharger and heavy secondary air gap dischargers insure continued protection should fuse operation disconnect the primary arrester from live leads in the event of a sustained power cross.

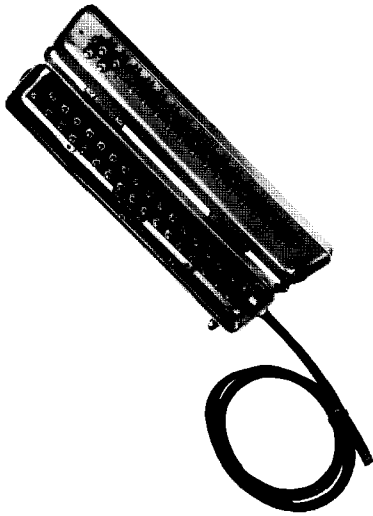
<i>Cat. No.</i>	<i>Type No.</i>	<i>Description</i>	<i>Lbs. per 100</i>	<i>Price Each</i>
S-5348	506-1850	H20-7 with A-7 Wood Fuses 5 Amp.	40	\$1.65
S-8545	506-402	H20-9U with A-9U Lavite Fuses 7 Amp.	44	1.75

Telephone Fuse Wire

<i>Cat. No.</i>	<i>Blowing Points, Amps.</i>	<i>Oz.</i>	<i>Price per Spool</i>
S-7760	1	1/8	\$1.70
S-7762	2	1/4	1.70
S-7764	3	1/2	1.70
S-7766	5	3/4	1.70
S-7768	7	1	1.70

Prices shown are subject to change without notice.

Cook Stranterm Cable Terminal



Supplied with 3½ foot, 24 gauge cable stubs soldered to heavy Everdur studs in a special plastic which provides moisture-proof, gas tight potting of the terminal core.

Drop wires are dressed and supported by three stainless steel rings.

Stranterm permits installer to apply protection to pairs requiring dischargers, or to install the terminal unprotected.

No. 24 Gauge 3-1/2' Lead Stub

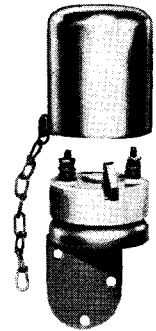
<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-8660	6 pr. less protectors	5-1/4	\$ 8.70
S-8661	6 pr. with protectors	5-1/2	13.80
S-8662	11 pr. less protectors	6-1/2	14.15
S-8663	11 pr. with protectors	7	23.40
S-8664	16 pr. less protectors	6-3/4	15.65
S-8665	16 pr. with protectors	7-1/4	29.10
S-8666	26 pr. less protectors	8	27.30
S-8667	26 pr. with protectors	9-1/2	49.15

No. 24 Gauge 3-1/2 ft. Plastic Stub

S-8668	6 pr. less protectors	5	8.70
S-8669	6 pr. with protectors	5-1/4	13.80
S-8670	11 pr. less protectors	6	14.15
S-8671	11 pr. with protectors	6-1/2	23.40
S-8672	16 pr. less protectors	6-1/4	15.65
S-8673	16 pr. with protectors	6-3/4	29.10
S-8674	26 pr. less protectors	7-1/2	27.30
S-8675	26 pr. with protectors	9	49.15
S-2234	Minigap Protectors		.35
S-8676	Minigap and Terminal Socket Wrench		.75
S-8677	Detachable Mounting Bracket for Wall or Pole Mounting of 11 and 16 pair Stranterm	1.50	

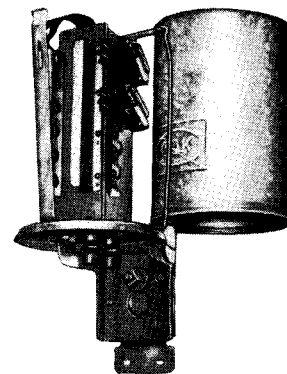
Testerm Drop Wire Connector

Especially developed for better insulation, to simplify installation and testing, occupy less space and improve the connecting methods of subscriber drops to open wire. Type No. 563-30.



<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. per 100</i>	<i>Price Each</i>
S-3799	Drop Wire Connector	65	\$1.15

Cook S-20-V Pole Cable Terminals



For use with plastic cable, specify the S-20-V Terminal manufactured with two cable entrances, each of which is arranged to take any size of compression coupling from 6 pair to 51 pair. When only one cable entrance is required, a standard pipe plug can be inserted to close the other entrance. (Protector unit and compression couplings must be ordered separately).

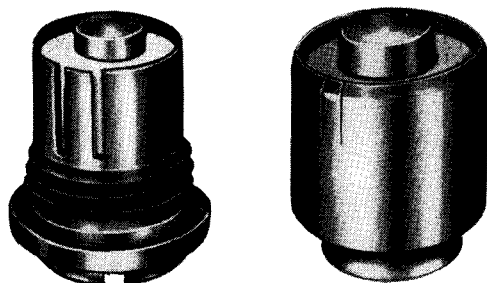
<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-8709	6 pr. less protectors	11	\$16.55
S-8710	11 pr. less protectors	15	20.75
S-8711	16 pr. less protectors	18	27.50
S-8712	26 pr. less protectors	23	30.80
S-8713	51 pr. less protectors	45	51.55
S-5348	Protector unit with A-7 five amp. wood fuses.	6 oz.	\$1.65

Compression Couplings

<i>Cat. No.</i>	<i>Type No.</i>	<i>Cable, Dia.</i>	<i>Price Each</i>
S-8714	506-630	7-/16"—1/2"	2.30
S-8715	506-631	1/2" —5/8"	2.30
S-8716	506-632	5/8" —3/4"	2.95
S-8718	506-633	7/8" —7"	4.45
S-8719	506-629	(1" Pipe Plug)	.70

Prices shown are subject to change without notice.

Minigap



Provides lightning protection for telephone lines and cable pairs. Quick to install and remove. Features carbon-to-carbon gap, instantaneous acetate burnout, and self-grounding. Weight, 2 lbs. per 100.

Cat. No.	Type No.	Description	Price Each
S-2233	41-350	Minigap for "Interceptor" Fuseless Protectors	\$0.60
S-2234	41-290	Minigap for Stranterm	.75
S-2229	41-310	Minigap for PLX Terminal	.40

Type 75 Terminal Strips Only

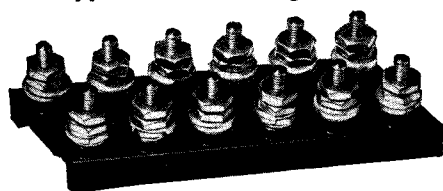
Cat. No.	No. of Pairs	Overall Dimensions, In.	Lbs. Ea.	Price per Strip
SB-20	11	9-1/4x1-3/4x1-3/4	1/2	\$ 2.75
SB-21	13	10-1/2x1-3/4x1-3/4	3/4	3.25
SB-22	16	12-3/8x1-3/4x1-3/4	3/4	4.00
SB-23	26	19-1/2x1-3/4x1-3/4	1	6.50
SB-24	52	37-1/2x1-3/4x1-3/4	2-1/2	13.00

Type 75 Fanning Strips Only

Cat. No.	Description	Overall Dimensions, In.	Lbs. Ea.	Price Each
SB-26	11 pr. Terminal	7-3/4x1/2x1-1/2	1/8	\$0.55
SB-27	13 pr. Terminal	9 x1/2x1-1/2	1/8	.60
SB-28	16 pr. Terminal	10-7/8x1/2x1-1/2	1/8	.75

Note: For 26 pr. Terminals use two No. SB-27 strips.
For 52 pr. Terminals use four No. SB-27 strips.

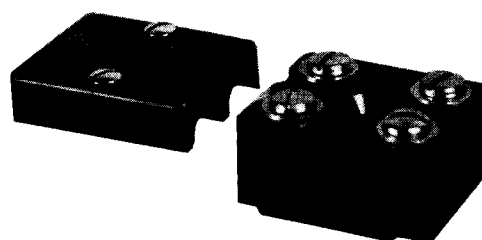
Type K Connecting Blocks



Furnished in 4, 6, 8, 10, 12, 14, or 16 pairs.

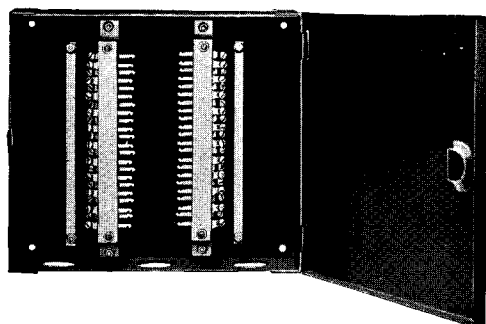
Cat. No.	Type K Connecting Blocks	Price, per Pair
		\$0.25

Connecting Blocks



Partitions between each pair of connections prevent shorts. Base and cover are molded bakelite. Mount with No. S-6561 No. 8 x 3/4 in. F. H. Wood Screw.

Automatic Electric Type 75 Building Terminals

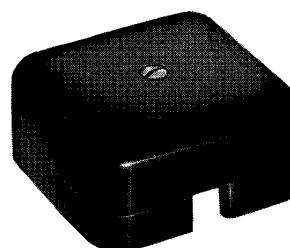


Standard 4-inch deep boxes with knockouts at top and bottom. Surface mounting.

Cat. No.	No. of Pairs	Width, Inches	Height, Inches	Lbs. Ea.	Price Each
SB-10	11	5-1/2	10	7	\$ 7.40
SB-12	16	5-1/2	12	8	9.60
SB-14	26	11	13-3/4	14	14.10
SB-16	52	11	19-3/4	17-3/4	24.90
SB-17	104	11	40	34	49.00
SA-90	208	24	40	125	96.00

Cat. No.	Type	Lbs. Per 100	Price Each
S-2598	41 (2-point)	5	\$0.21
S-2585	42 (3-point)	7	.27

Telephone Connecting Blocks

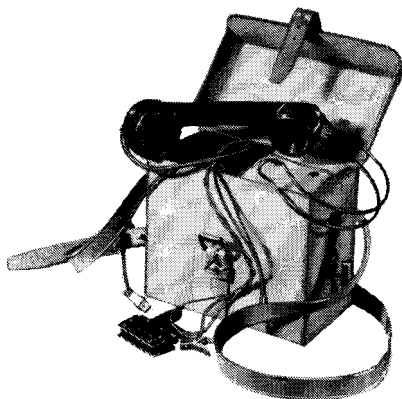


Molded of black bakelite. Cover has non-losable screw. Terminal designations molded into base.

Cat. No.	Type	Lbs. Per 100	Price Each
AV-21	3-point	9	\$0.45
AV-23	4-point	12-1/2	.50

Prices shown are subject to change without notice.

West Test Set



The West Test Set is a complete portable line-testing unit and telephone for the man out on the job. It is simple and reliable, and with it even an inexperienced operator, unaided, can quickly locate any of the following faults:

- | | |
|---------------------|-----------------------------|
| 1. Grounds | 7. Poor ground rods |
| 2. Shorts | 8. Swinging contacts |
| 3. Opens | 9. Short-circuited windings |
| 4. Crosses | 10. Tree grounds |
| 5. "High" joints | 11. Leaky house wiring |
| 6. Faulty arrestors | 12. Faults in twisted pairs |

It operates without regard to the presence of bridged inductive windings of comparatively low resistance, such as ringer, repeating, or relay coils.

The many advantages of the West Test Set have made it the world's most widely used lineman's set. It is made of standard telephone parts. A magneto-generator, test lamp and lever key are mounted in the case, and a pair of test clips, a finder coil, and the handset are removed from the case when making tests.

No buzzer, vibrator, or battery is used for supplying the test tone. The tone is produced by a commutator spring which is timed to discharge the capacity peaks from a condenser at regular intervals. Through the two test clips (see diagram), it passes over the line, and since the circuit is completed only at the cross it flows only in that direction. The tone is therefore induced into the finder coil when the coil is placed on the line *between the test clips and the fault*. The volume of the tone heard in the receiver is dependent on the distance to the fault, and with a little experience the tester learns to estimate the distance with surprising accuracy.

The West Test Set is contained in a carrying case of leather, or of laminated wood, with an outer covering of

black fibre. It is weatherproof, and groundproof except by intention during use. An adjustable carrying strap is provided, and the set may be conveniently carried in the hand or slung over the shoulder.

The West Ground Tester

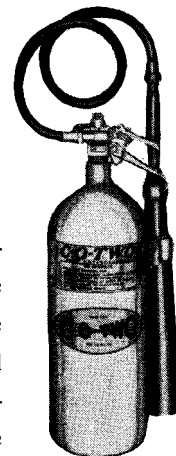
Ground tests with the West Test Set give an indication of the ground, but no measurement of its actual resistance. To provide such a measurement, the West Ground Tester may be used with it. This tester is designed to mount in the cover of the set, and connections between the two units are made by means of cords. It contains two rheostats controlled by dials which are calibrated to indicate directly the resistance being tested. Maximum measuring capacity is 1000 ohms, which is more than ample for ground-testing.

Catalog Numbers of West Test Set Apparatus

Cat. No.	Description	Price Each
TA-21	West Test Set (in Leather Case)	\$ 82.50
TA-20	West Test Set (in Fibre Case)	82.50
TA-22	West Ground Tester	35.00
TA-23	West Test Set, West Ground Tester	117.50

C-O-Two Fire Extinguishers

These extinguishers are especially valuable in telephone exchanges because they snuff out fire at the squeeze of the handle without leaving any harmful residue on telephone equipment. C-O-Two is a dry inert gas stored in the cylinder under pressure. When released it expands to about 450 times its volume, chokes up the fire-feeding oxygen in the air and instantly puts out the fire. It disappears without leaving any odor, stain, or damage. It will not freeze. Each cylinder is equipped with a squeeze grip, automatic shut-off valve, discharge hose and horn, and a wall hook for mounting. Larger wheeled portables up to 100 lb. capacity shipped from factory on order.



Cat. No.	Capacity, Lbs.	Lbs. Ea.	Price Each
S-4153	5	16-1/2	\$40.70
S-4154	10	34	64.65
S-4155	15	42	72.90

Prices shown are subject to change without notice.

Distributing Frames

Both Cook and Automatic Electric distributing frames are available for either wall or floor mounting. The wall-mounting types have protectors and terminal blocks in two parallel rows with enough space between for connecting jumpers. The floor-type frames have protectors and terminal blocks mounted on opposite sides, and give greater flexibility for jumpering, as required in larger exchanges. Floor-type frames must be set out from the wall to permit access to both sides.

Estimates on distributing frames to meet specific requirements will be furnished without obligation. When writing, give the type of frame wanted, the number and type of protectors, the number and type of terminal blocks, and a rough drawing of the room in which the frame is to be installed.

Standard Pyrene Fire Extinguishers



Furnished complete with wall bracket.

Cat. No.	Capacity	Lbs. Ea.	Price Each
S-4156	1 Quart	7	\$12.35
S-4158	1-1/2 Quart	10-1/2	15.00

Pyrene Fire Extinguisher Liquid

Cat. No.	Quantity	Lbs. Ea.	Price
S-5270	1 Quart	3-1/4	per qt. \$1.41
S-5274	1 Gallon	14-1/2	per gal. 4.59

Flashlight Batteries

Cat. No.	Size, In.	Lbs. Ea.	Price per 100
S-2389	2-27/64x1-21/64	1/4	\$13.00

Columbia Gray Label Dry Cell

Standard package is 12 cells to carton. On domestic orders for 48 or more, transportation charges are prepaid. Orders less than 48 are F.O.B. shipping point.

Cat. No.	Type	Size, In.	Lbs. per . Pkg.	Price per 100
S-2373	6	2-5/8x6-5/8	26	\$70.00

Burgess "B" Batteries

No. S-2387 is 22½ V., with screw terminals. Size is 3" x 3¾" x 2½".

No. S-2393 is 45 V., with spring clips. Taps at minus, plus 22½ and plus 45 volts. Size is 8" x 4" x 7".

Cat. No.	Description	Lbs. Ea.	Price Each
S-2387	22-1/2 Volts	1	\$1.61
S-2393	45 Volts	11	4.00

Prices shown are subject to change without notice.

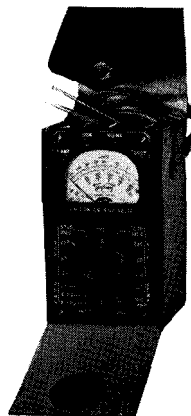
Lantern Battery



Eveready 6V. dry cell for electric lanterns, etc.

Cat. No.	Size, In.	Lbs. Ea.	Price Each
S-2382	3-27/64x2-19/32x2-23/32	1-1/2	\$0.65

Volt-Ohm-Mil-Ammeter



Pocket-size portable tester for A-C and D-C voltage, direct current and resistance analyses to 3 megohms. Black leather case with strap handle for hanging, permitting operator to use both hands for work. Unit construction of tester eliminates chance for shorts; resistors, shunts, rectifier, batteries are housed in a molded base, with direct connections made without cabling. Enclosed selector switch keeps dirt out, retains contact alignment permanently, eliminates loss between contacts. Only one switch adjustment is needed to select the range for any A-C or D-C voltage up to 5000, at 1000 ohms per volt; direct current from 0 to 100 ma. and 1 amp. Greater accuracy assured by precision film or wire-wound resistors—each in its own compartment. Case is completely insulated, 3-1/16 x 5 7/8 x 2-9/16 inches. Three 1½ volt, plug-in type self-contained batteries. 50-inch test leads with clips and plugs. Ranges are:

D-C Volts 0-10-50-250-1000-5000, at 1000 Ohms/Volt.

A-C Volts 0-10-50-250-1000-5000, at 1000 Ohms/Volt.

D-C Milliamperes: 0-10-100, at 250 M.V.

D-C Amperes: 0-1, at 250 M.V.

Ohms: 0-3000-300,000 (20-2000 at center scale)

Megohms: 0-3 (20,000 Ohms center scale)

Cat. No.	Description	Lbs. Ea.	Price Each
S-7690	Model 666 RL	1-1/2	\$36.10

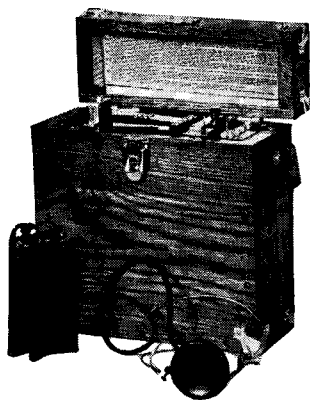
Alligator Test Clips



Steel with bright finish. Wt., 2 lbs. per 100.

Cat. No.	Type	Description	Price per 100
S-3631	60S	Screw Connection	\$ 8.00
S-3632	60HS	Screw Connection with Red and Black Sleeves on End	14.00

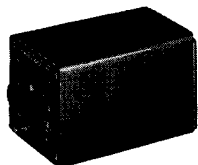
Stewart Cable Tester



A highly accurate fault-locating instrument that quickly locates shorts, crosses, grounds, and wet spots—to the *inch!* Contains an exploring coil which is neutral to the tone on the sheath and messenger; the tone heard in the head phone is only that of a pair which is at fault. Unit is also useful for locating high-resistance water leaks. Furnished complete with fishtail pickup coil and head phones. Operates on two #6 dry cells (order batteries separately).

Cat. No.	Dimensions, In.	Lbs. Ea.	Price Each
S-6774	11-3/4x10-1/2x4	10	\$83.00

Stewart Exploring-Coil Amplifier



This dependable amplifier unit acts as a booster for cable testers and locators when low-resistance faults, noisy locations, and windy days make it difficult to get a clear signal. It increases the strength of the pickup tone. This handy, pocket-sized unit is ready for work by connecting the pickup coil to the input posts, and the head phone to the output posts.

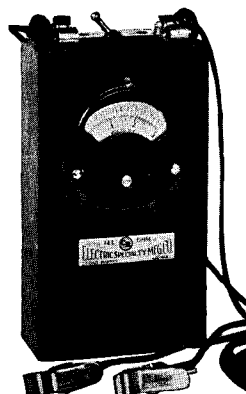
The voltage or signal strength gain of the amplifier is approximately 50 times. Operates on A and B batteries with panel-mounted volume control. Order batteries separately. Uses one each S-2389—1½ Volt A and S-2383—45 Volt B batteries.

Cat. No.	Dimensions, In.	Lbs. Ea.	Price Each
S-6771	5x3x2	1-1/2	\$65.00

Metal Battery Boxes

Number	Capacity	Lbs. Ea.	Price Each
S-3007	2 No. 6 Dry Cells	1-1/4	\$1.40
S-3008	3 No. 6 Dry Cells	1-1/2	1.65

The Telohm



For testing and locating telephone and switchboard trouble, shorts, grounds, high resistance, and open circuits in coils of all kinds, also partially shorted coils, high resistance transmitters, cut-outs in receiver, desk stand and switchboard cords, hook-switch contacts, etc.

Equipped with a Weston 0-3 Volt Direct Reading Ohmmeter, 0-10,000 ohm scale, with glass protector mounted in a solid black walnut case that fits the pocket. Employs two standard flashlight type dry cells. The binding posts are arranged for loop, spade or straight tips.

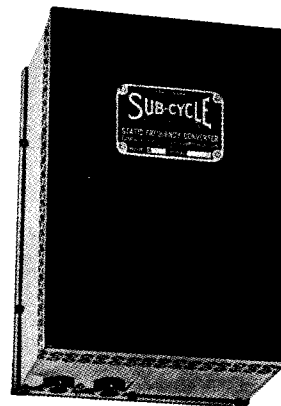
Furnished complete with battery, "on-and-off" battery switch, cords and test clips.

Cat. No.	Dimensions, In.	Lbs. Ea.	Price Each
S-7460	1-5/8x3-1/2x6	1-1/4	\$17.50

Telohm Carrying Case

S-3297	½ Lb.	\$6.90
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Master Ringing Converter



The Subcycle has no moving parts, vibrators, vacuum tubes, rectifiers, filters, lamps or similar sources of service interruption and service expense.

Furnished with a tone coil for production of reverting tone. No additional equipment is necessary in offices equipped with condensers for returning tone.

Sub-Cycles designed for operation on 105-120 volt, 60-cycle commercial power circuits.

Cat. No.	Model	Approx. Output Watts	Max. Stations	Lbs. Ea.	Price Each
S-7360	S-60	15-20	1600	35	\$87.80
S-7365	M-7.5-60	7-1/2	100	18	78.40

Prices shown are subject to change without notice.

Business Building Autelco Paystations



New Self-Contained "80" and "90" Series

Both the "80" and "90" series of paystations include assemblies to meet every requirement of central-battery paystation service.

The "80" series paystations offer the famous features provided by the Automatic Electric Type 80 Monophone; the "90" series have Western Electric induction coils.

The "80" series paystations may be ordered in the same, popular colors as our Type 80 Monophone: Sand Beige, Dawn Grey, Sunlight Yellow, Turquoise, Jade Green, Garnet Red, Classic Ivory, Gardenia White, Camellia Pink and Forget-Me-Not Blue. Prices shown are for black paystations; for full color, add \$6.20; for two-tone color (with black handsets and dials), add \$4.00. Black supplied unless otherwise specified.

Paystations of either series are regularly equipped with complete telephone transmission equipment including handsets and dials as specified, but no ringers. If it is desired to permit incoming calls, these paystations can be used with ringer boxes. Shipping weights, approximately 32 lbs.

Local Prepay

These paystations combine advantages of pre-pay service on local calls and semi-postpay service on toll calls. Central office equipment is simpler and less costly than required for regular prepaid paystations. They can be used with any automatic exchange which provides reverse battery for collecting initial deposit when called party answers and requires only 60-volt booster battery for refund.

Type No.	Description	Price Each
89	Automatic Electric Circuit Components	\$146.00
89-55	Like above, but for 10-cent local service	163.50

Prepay—Manual or Automatic

These paystations provide prepaid service with automatic or manual central offices which have 110-volt facilities to operate coin-control. Coins are deposited before connection is made and can be refunded if call is not completed.

<i>Type No.</i>	<i>Description</i>	<i>Price Each</i>
82	Automatic Electric circuit components*	\$134.05
82-55	Like above, but for 10-cent service	151.55
92	Western Electric circuit components*	134.05
92-55	Like above, but for 10-cent service	151.55

*Dial supplied unless manual is specified

*For manual service, specify "without dial," and deduct \$7.80.

Semi-Postpay (Reverse-Battery)

These paystations permit collection of charges for local paystation service without the aid of an operator. They can be used in any automatic exchange which provides for reversal of transmission battery when the called party answers. They do not provide for ready conversion to prepay operation.

Type No.	Description	Price Each
86	Automatic Electric circuit components	\$143.95
86-10	Like above, but for 10-cent service	157.95
96	Western Electric circuit components	143.95
96-10	Like above, but for 10-cent service	157.95

Postpay Manual (Convertible to Prepay)

No control equipment required at central office. Used in manual exchanges where operator supervises coin deposits. Can be used in automatic exchanges only if free local service is provided. By adding a coin-control relay and hopper assembly, these paystations can be converted to prepay manual and then to prepay dial service if desired.

Type No.	Description	Price Each
84	Automatic Electric circuit components	\$110.15
94	Western Electric circuit components	110.15

Postpay Manual (Convertible to Semi-Postpay)

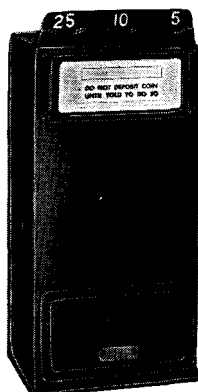
Operation is the same as for Types 64 and 94 above except convertible to semi-postpay service instead of prepay.

Type No.	Description	Price Each
88	Automatic Electric circuit components	\$114.75
98	Western Electric circuit components	114.75

Prices shown are subject to change without notice.

Type 11J Paystation for Handset Telephones

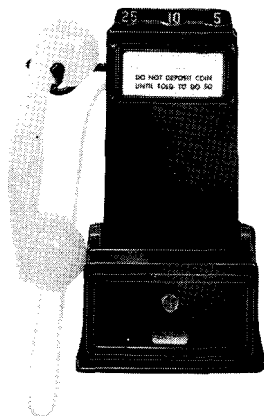
This is a complete unit equipped with a coin-signal transmitter and a "universal" mounting plate. It can be used with either desk or wall-type handset telephones—magneto or central battery. It does not require mechanical connection with the telephone; just connect the paystation signal transmitter into the telephone transmitter circuit, at the telephone or at the ringer box. Cash compartment has approximate capacity of \$10.00. Type 11 AJ has larger cash compartment with capacity of \$13.50.



The Type 11 paystation is for use with wall sets having hand receivers. Mounting plate extends behind telephone and conducts coin signals to transmitter. Cash compartment holds approximately \$10.00. Type 11A holds about \$13.50.

Type No.	Dimensions, In.	Lbs. Each	Price Each
11 J	4-1/2x3x 9	16	\$36.40
11 AJ	4-1/2x3x11	16	37.50
11	4-1/2x3x 9	13	29.90
11 A	4-1/2x3x11	13	31.00

Type 23J Handset Paystation

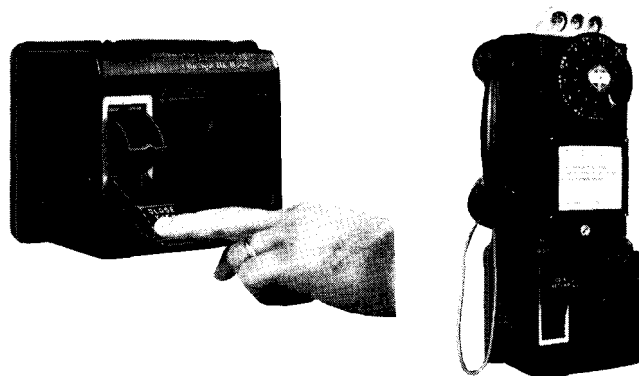


Has cradle hook and wiring for connecting handset (not included unless specified). Can be used with any standard ringer box containing induction coil, condensers, etc. Paystation has coin-signal transmitter and "universal" mounting plate for mounting on wall or shelf. Cash compartment has capacity of approximately \$20.00. When ordering, please specify type of handset and ringer box which will be used.

Description	Dimensions, In.	Lbs. Each	Price Each
Type 23J	6x4-1/2x10-1/2	18	\$51.30

Prices shown are subject to change without notice.

Anti-Stuffing Coin Return



Customer complaints are sharply reduced with the Anti-Stuffing Coin Return. This device absolutely prevents the blocking of coin chutes with gum or paper.

New paystation housings come complete with Return when specified, or you can exchange your present lower-housing assembly with a factory converted housing.

A special kit is available to companies that wish to install the Anti-Stuffing Coin Return on their own paystations. Kit consists of Anti-Stuffing Coin Return, modified refund chute, coil spring, hinge pin, and a return escutcheon. (A special drill jig is required to properly locate the hinge pin hole.)

Cat. No.	Description	Price Each
P-70293	Anti-Stuffing Coin Return Kit	\$ 4.75
P-70294	Anti-Stuffing Coin Return Drill Jig	150.00

(Partial credit allowed if returned in good condition)

Autelco Paystation Conversion Kits For 5c to 10c Conversion

Kits are available to convert more than 20 types of paystations with maximum ease and minimum out-of-use time. Each kit includes a circuit diagram with full instructions. When kit includes a new coin chute to convert a prepay paystation, allowance will be made for return of old chute. It is recommended that you maintain a stock of converted upper housing assemblies. These quickly replace unconverted housings in the field. To order kits, specify quantity and types of paystations you wish to convert.

For Conversion to "80" Series Standards

Here's a kit that brings greater user satisfaction and fuller coin boxes with old paystations. It includes the same handset, hookswitch, induction coil, and line compensator as the new "80"-series paystations, plus mounting parts and a circuit label. It converts old paystations so they provide the same superior transmission and reception as the Type 80 Monophone.

Paystation Accessories

How to Order

Type 2A Coin Receptacle

Non-locking, for collecting coins in standard Autelco paystations. Approximately \$30.00 capacity. Furnished as standard unless other type receptacle is specified.

Price each.....\$1.05

Type 6001B Self-Locking Coin Receptacle

To save the collector's time, and his handling of money, "self-locking" receptacles can be supplied. They are equipped with a shutter over the coin opening, which admits coins as the receptacle is inserted, but closes and locks as the receptacle is withdrawn. The collector neither sees nor handles any money—as the receptacle is opened at the office, by breaking a lead seal. Receptacle, cover, and rail included. Coin capacity, approximately \$30.00. When ordering extra self-locking receptacles, please specify "without rails."

Price each.....\$4.50

Type P51513 Receptacle Carrying Case

This handy collector's case holds 9 self-locking coin receptacles. Sturdy fibre material and equipped with a hasp so it may be sealed for shipment. Supplied with "snap-on" handle, if requested.

Price each.....\$16.25

Type 153A Corner Bracket

Bracket for mounting all paystations (except attachment and compact types) in corner of telephone booth or other confined space. Cast iron, finished in black japan. Provision is made for line wires. Shipping weight, 18 lbs.

Price each.....\$6.25

Type 139A Shelf Bracket

For mounting all paystations (except attachment and compact types) on a horizontal surface such as a shelf or counter. Attractively designed and finished in black japan to match the paystation. An opening is provided for line wires. Shipping weight, 15 lbs.

Price each.....\$6.80

Type P51351 Wood Backboard

For mounting paystation and ringer box.

Price each.....\$4.05

Type P50197 Lead Seals

Package of 100. For self-locking coin receptacles.

Price, per M.....\$4.00

Type P50649 Sealing Tool

For self-locking coin receptacles where lead seals are used. Can be supplied engraved with company designation when specified.

Price each.....\$7.50

Type 1-BA Over-sized Card Holder

Over-sized card holder for supplementary information and instructions for the subscriber. Furnished with mounting material.

Price each.....\$1.50

It is easy to order paystations to meet your specific requirements:

1. Determine the type of service desired.
2. Choose the paystation series (80 or 90) that best meets your requirements.
3. Check the chart below to find the type to order. If you anticipate a change in your central-office equipment, select a type of paystation that can be converted.
4. Specify the Type Number and type of service.
5. Specify type of extended dial number plate desired; if not specified, paystations will have blank dial number plate and metropolitan extended dial number plate.
6. Specify the type or make of telephone components (handset, dial, etc.) with which the paystation is to be equipped.
7. Specify "self-locking coin receptacle," if open type is not desired.
8. Specify Anti-Stuffing Coin Return if desired.

Coin signal transmitter, locks and regular card holder, etc. will be furnished where required and need not be specified.

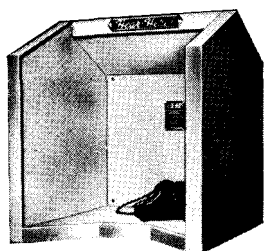
<i>Service</i>	<i>Operation</i>	<i>The "80" Series</i>	<i>The "90" Series</i>
Prepay	Automatic	82	92
	Manual	82	92
Prepay—Ten Cents	Automatic	82-55	92-55
Postpay	Manual	84	94
Semi-Postpay (Reverse-Battery)	Automatic	86	96
Semi-Postpay— Ten Cents	Automatic	86-10	96-10
Postpay Convertible to Semi-Postpay (Reverse-Battery)	Manual	88	98

**For Complete Information on All Paystations,
Request Catalog 4078.**

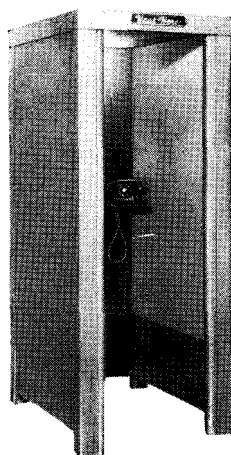
Prices shown are subject to change without notice.

Burgess-Manning Indoor Acousti Booths

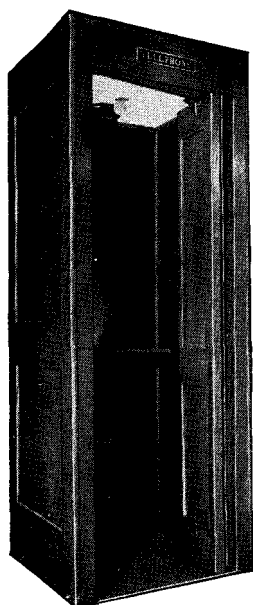
Model 602



Model 602



Model 211



Model 100



Model 15-S

Ideal where space is limited. All-steel construction with grey wrinkle finish. Thick walls of sound-absorbing material soak up both direct and reflected noises. Heavy-gauge perforated steel sheets protect acoustic material.

The No. 601 is a similar type booth but of reinforced plywood construction. Outside dimensions of both models are 28" wide by 26" deep by 32" high. Shipped fully assembled.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-3003	Model 602—Steel	91	\$ 90.00
S-3002	Model 601—Wood	75	110.00

Model 211

Heavy-duty, all steel construction, durable gray wrinkle finish. Insulating material within the walls absorbs noise. For noisy locations requiring maximum performance. Comes with shelf and switch-connected electric fixtures in ceiling. Shipped knocked down.

Dimensions: 31" x 38½" x 79¾".

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-3001	Model 211	350	\$265.00

Churchill Indoor Booth No. 100

Designed to meet the need for a booth without a floor. Following features are standard: Automatic Door Switch for Lights and Electric Ventilator; Silent Electric Ventilator; Automatic Lighting; and Metal Lining.

Dimensions: 29" wide by 30½" deep by 84¾" high. Glass panels in door. Seat furnished on order. Shipping weight is 400 lbs. Shipped crated.

<i>Cat. No.</i>	<i>Material</i>	<i>Finish</i>	<i>Price</i>
100-A	White Oak	Medium Golden Oak	\$298.00
100-B	Selected Birch	Medium Mahogany	298.00

Sherron Outdoor Booth No. 15-S

Reinforced, zinc-coated, cold rolled steel, with steel base and safety plate floor. Backboard for mounting coin collector, corner shelf, tubular wiring is standard.

Upper right and left side panels are wire glass—other panels steel, filled with acoustic insulation. Solid lintel panels, decal "Telephone" sign. Incandescent light fixture, peaked steel roof. Red enamel finish. Shipped set up, ready to use. Dimensions: 30" x 30" x 89¼".

<i>Cat. No.</i>	<i>Lbs. Each</i>	<i>Price Each</i>
15-S, Type 1	50	\$250.00

Prices shown are subject to change without notice.

Alcoa Outdoor Telephone Booths

- Extruded Aluminum for High Strength
- Interlocking Sub-assemblies
- Anodized Finish Won't Rust—Never Needs Paint
- Solid Aluminum and Stainless Steel Hardware
- Damaged Sections Easily Replaced
- Enduring Beauty

SPECIFICATIONS—32½" x 33½" x 86⅛". Equal-leaf folding doors with integral kick-plates and safety-glass panels. Adjustable door-closing device and spring stop hold door slightly ajar. Heavy aluminum-alloy floor plate available. Excellent air circulation is obtained through stack effect of louvres at bottom and roof. Twin fluorescent lamps provide ample illumination. Shelf is porcelain enameled steel; directory rack (when supplied) is of aluminum. Continuous shelf without directory rack also available. Furnished knocked-down in sub-assemblies—or assembled on special order. Red panels standard; green available on special order.

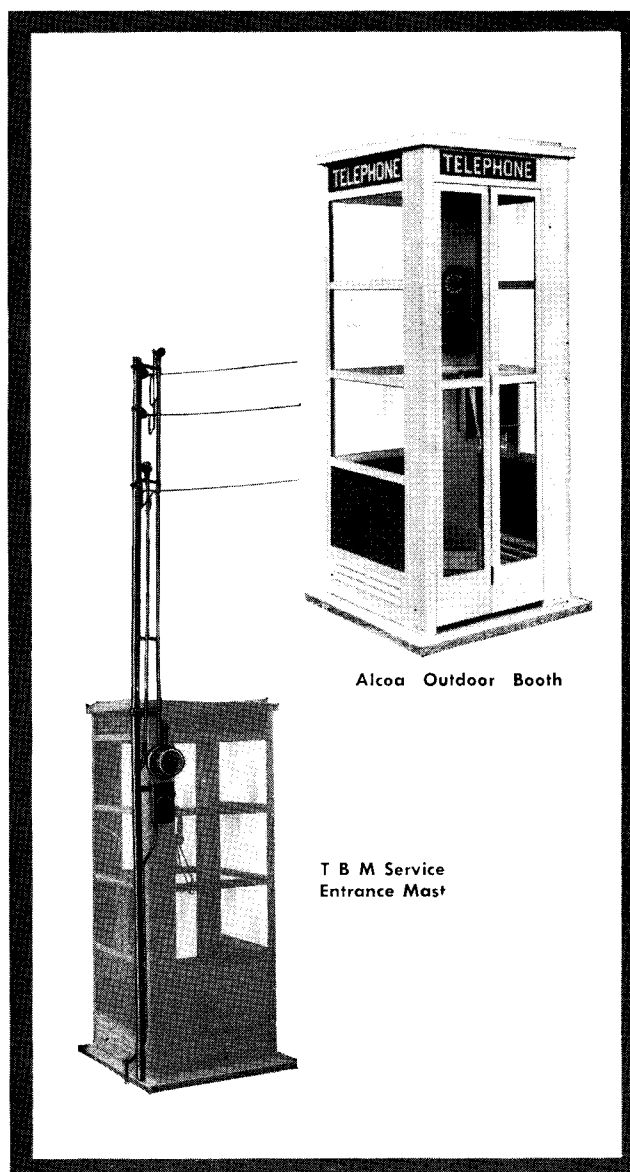
Cat. No.	Description	Lbs., Each	Price
S-2998	Alcoa Aluminum Booth with Directory Shelf with 2 Racks	360	\$445.00
S-2996	Alcoa Aluminum Booth with Continuous Shelf without Directory Racks	360	440.00
S-2997	Floor Plate	33	28.50

TBM Service Entrance Masts

- Low Cost
- Simple Installation in 30 Minutes
- Rust-O-Leum Finish Won't Rust
- Insulators—Wire Holders—Entrance Devices Included

Cat. No.	Description	Lbs.	Price
S-5303	12-foot Mast with 2 conduits	45	\$42.50
S-5305	12-foot Mast with Meter Socket and Breaker Box	75	64.50
S-5307	12-foot Mast plus Meter Socket, Breaker Box, 2 Floodlights and Time Switch	90	84.50
S-5304	14-foot Mast with 2 conduits	50	44.50
S-5306	14-foot Mast plus Meter Socket and Breaker Box	80	66.75
S-5308	14-foot Mast plus Meter Socket, Breaker Box, 2 Floodlights and Time Switch	95	87.50

Prices shown are subject to change without notice.



Alcoa Outdoor Booth

T B M Service Entrance Mast

General Purpose Decal Signs

Cat. No.	Diameter	Price
S-6848	8 inches	\$0.45



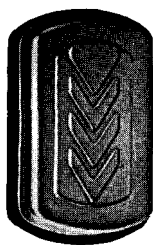
Metal Paystation Signs

Cat. No.	Description	Lbs.	Price
S-6853	Standard Paystation Sign	2¾	\$1.95
S-6866	Highway Paystation Sign	3¾	4.55

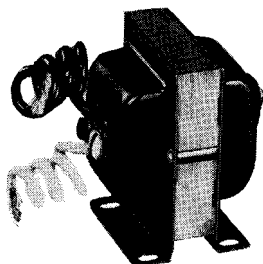
Edwards Bells and Buzzers

Fully adjustable, completely covered with chromium plated covers. Equipped with phosphor bronze springs, silver contacts; arranged for surface or concealed wiring with insulated and concealed binding posts.

Buzzer is 1 3/4 x 2 3/4 inches. Bell is larger. For standard 6-8 volt, 60 cycle A.C. or 3-6 volt D.C. circuits. Std. pkg., 12.



Cat. No.	Type	Oz.	Price Each
S-2402	720 Bell	8	\$1.02
S-3228	725 Buzzer	3	.87



Bell Ringing Transformer

For use with bells and buzzers. Transformer reduces 110 AC voltage to 6-10 volts.

Cat. No.	Size, In.	Lbs. Ea.	Price Each
S-7566	2-1/2x1-7/8x2	3/4	\$2.00

Edwards Push Buttons

Cat. No.	Description	Lbs. per Doz.	Price Each
S-3224	Round Brass Button	3/4	\$0.23
S-3223	Flush Type Mounting	2-1/2	.33

Masonry Drill Attachment



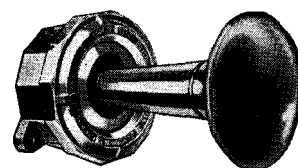
Bores through an inch of concrete a minute. Only Carbide Tipped Masonry Drills with shank diameter 1/4" to 1/2" should be used with "Hammerin' Hank". Must be used with ball bearing drills only. Cat. S-3972 drill is recommended. (See page 31).

Cat. No.	Length Inches	Diameter Inches	Lbs. Ea.	Price Each
S-3987	5-3/4	1-1/4	2	\$15.50

Heavy Duty Flashlight

Cat. No.	No. Cells	Lbs. Ea.	Price Each
S-4228	2	1/2	\$1.67

Benjamin Weatherproof Howlers



S-4874

Heavy weatherproof construction with cast aluminum threaded ring and joint sealed by live rubber gasket. Standard finish is baked battleship gray enamel. Howlers have no contacts. The vibrations follow AC cycles and the pitch is double the frequency used.

Cat. No.	Description	Lbs. Ea.	Price Each
S-4874	7-1/2 in., 110-volt, 60-cycle bell-type projector	5-1/4	\$15.85
S-4875	19-1/2 in., 110-volt, 60-cycle double-bell projector	9-1/4	21.05

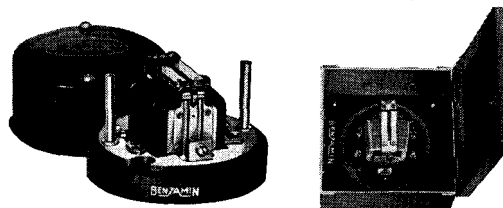
Non-Weatherproof Howlers

S-4876	7-1/2-in., 110-volt, 60-cycle* bell-type projector	2-3/4	13.15
S-4877	19-1/2-in., 110-volt, 60-cycle double-bell projector	7	18.25

*25-cycle furnished on special order.

Note: All above available on order in 12, 24, and 220-volt, 60-cycles AC and 6, 110, 220, 250 volts DC.

Benjamin Telecode Relays



Designed for activating loud-sounding signal extensions of telephone ringing circuits. Widely used wherever noise makes it difficult to hear ordinary telephone bell. Does not affect talking or ringing efficiency of telephone system.

Furnished with 1000-ohm windings, for use on open circuits. Closed and locking circuits and other resistances are available on special order.

For Panel Mounting

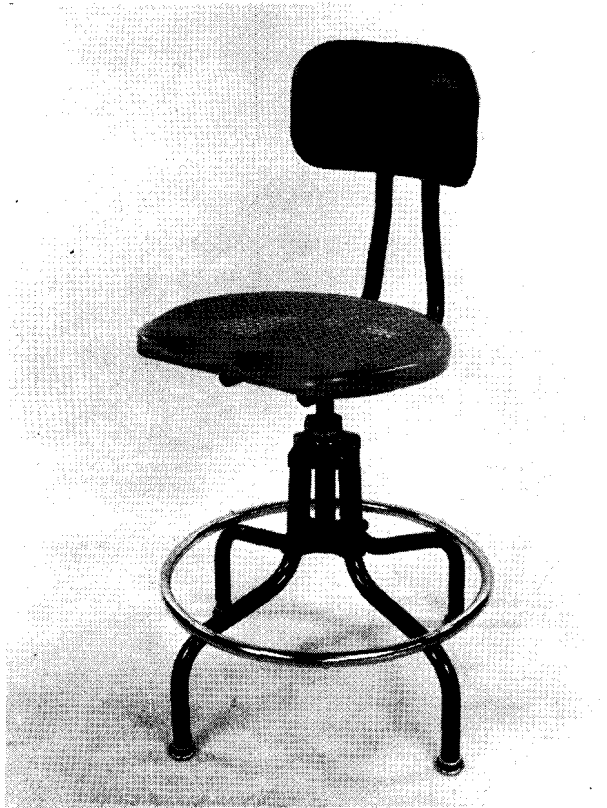
Cat. No.	Type	Price Each
S-6060	8313-P	\$12.65
S-6097	8313-P to operate with high impedance ringer	13.13

With Pressed Steel Box

S-6077	8315-P	12.65
S-6099	8315-P to operate with high impedance ringer	13.13
S-6061	8316-P with condenser	15.80
S-6101	8316-P with condenser to operate with high impedance ringer	16.28

Prices shown are subject to change without notice.

Harter Operators' Chairs



A comfortable, convenient chair for any operator. Seat height changed by simple screw-spindle adjustment. Narrow U-shaped back won't interfere with neighboring chairs. Adjusting mechanism holds back in place. Equipped with saddle cane seat and "Tolex" upholstered back, finished in black with chrome-plated foot ring. For existing installations, "Tolex" upholstered chairs are available on special order.

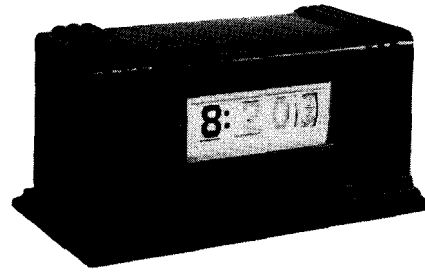
<i>Cat. No.</i>	<i>Range, In.</i>	<i>Keyshelf Height, In.</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-3301	18 to 22	31 or less	27	\$36.65
S-3302	21 to 25	31 to 34	28	37.00
S-3303	24 to 28	34 to 38	28	37.45
S-3304	28 to 32	38 or more	29	37.55

Replacement Seats

<i>Cat. No.</i>	<i>Type</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-6778	Saddle Shape	2-1/4	\$9.80

Prices shown are subject to change without notice.

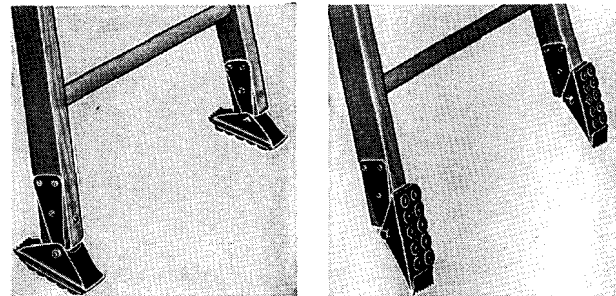
Numeral Clock For Timing Toll Messages



Shows hours, minutes, seconds. Self-starting electric, (operates on 110-volt, 60-cycle AC) housed in black plastic case, 7 $\frac{3}{4}$ in. long x 4 in. deep x 4 in. high.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-3700	Numeral Clock	3	\$10.95

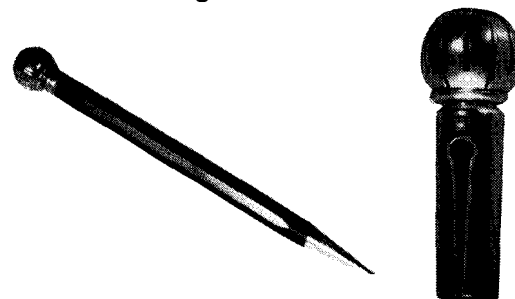
Duo-Safety Ladder Shoes



Hard rubber sole clings with vacuum-like action to all surfaces or shoe can be changed over to rest on hardened steel spike toe.

<i>Cat. No.</i>	<i>Lbs. per Pair</i>	<i>Price per pair</i>
S-6818	3	\$3.25

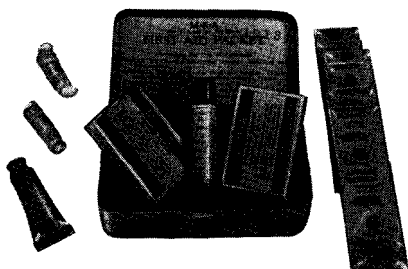
Dialing Tool and Pencil



Dialing tool also fits over standard pencil.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. per Doz.</i>	<i>Price Each</i>
S-5677	Automatic Pencil	1/2	\$0.67
S-7515	Dialing Tool	1/4	.34

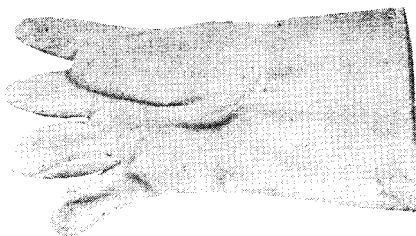
First-Aid Kit



Handy lineman's kit for individual emergency use. Contents enclosed in a hinged metal box with cover include two 2-inch compress bandages; six 1-inch waterproof adhesive bandages; one iodine 3½ cc. applicator vial; two ammonia inhalants; one ⅛-oz. tube foille ointment for burns; one accident report card.

Cat. No.	Size, In.	Lbs. Ea.	Price Each
S-5038	4x2-1/2x7/8	1/2	\$1.00

Asbestos Gloves



Cat. No.	Description	Lbs. Ea.	Price
S-4451	Asbestos Gloves	1	\$4.40 per pair
S-2337	Glove Holder	7/8	3.55 each

Pole Danger Flag



Made of 6 oz. duck, 12 x 16 inches in size. Hardwood staff 1 x 18 inches, with tapered end. Holder fitted with adjustable lock to fit all poles.

Cat. No.	Description	Lbs. Ea.	Price Each
S-4220	Flag only	1/2	\$0.96
S-4222	Flag and Holder	2-1/2	5.70

Danger Flag

Inexpensive flag made of 3 oz. muslin, 12 x 14 inches. Staff is 7/8 x 18 inches, has tapered end. S-4210 is similar type flag but with 30-inch staff for use with S-4207 flag base.

Cat. No.	Description	Lbs. Ea.	Price Each
S-4227	18-inch staff	1/4	\$0.42
S-4210	30-inch staff	1/2	.45

Highway Directional Sign

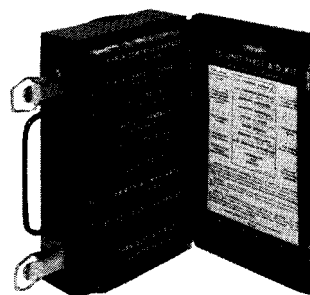


This versatile, 3-in-1 highway sign gives the exact distance to a public telephone. The word, "Telephone" is printed on a blue shield within a white square frame. A choice of three emblems, "Here", "1 Mile", "2 Miles", can be placed in the space provided to suit each individual need. Emblems are simple to apply, adhere tight at slight pressure of the hand; are light reflective, show up brilliantly at night.

Sign is made of 14 gauge steel, 24 x 24 inches, and finished in blue and white baked enamel. Holes provided for easy mounting on two Pole Extension Fixtures S-4208.

Cat. No.	Description	Lbs. Each	Price Each
S-7272	Highway Directional Sign	11	\$9.80
S-4131	Emblem (Here)	—	1.10
S-4132	Emblem (1 mile)	—	1.10
S-4133	Emblem (2 Mile)	—	1.10

All-Weather Ten Unit Kit



Complete kit for telephone crews. Packages in heavy steel case, with snap lock and carrying handle. Directions and contents listed on inside of cover for checking and refilling. Contents include two packages of 1-inch adhesive bandages; one package of ammonia inhalant; one package of 4-inch compress bandage; one package of 2-inch compress bandage; one package of ⅛-oz. tube foille ointment for burns; one package of iodine brushes; one package of tourniquet and forceps; one package of 40-inch triangular bandage.

Cat. No.	Size, In.	Lbs. Each	Price Each
S-5046	7-7/8x5-1/2x2-1/2	4	\$8.30

Doe's Burnishing Pastes

Cat. No.	Description	Oz.	Price per can
S-5642	Plug Polishing Paste	3	\$0.50
S-5640	Commutator Paste	3	.50

Prices shown are subject to change without notice.

Chippers Goggles



Contour-engineered goggles with perforated sideshields and slotted screw-type lens rings for ventilation and airy comfort. Adjustable bridge and rubber headband assure correct fit on all faces. No. S-4461 to be worn over personal glasses.

<i>Cat. No.</i>	<i>Lbs. Each</i>	<i>Price per Pr.</i>
S-4454	1/4	\$2.20
S-4461	1/4	3.85

Coverlite Goggles

One-piece, all-plastic goggles protect eyes and over 20 square inches of the face. Can be worn over personal glasses.

<i>Cat. No.</i>	<i>Oz.</i>	<i>Price per Pr.</i>
S-4457	1	\$1.60

Dicke Road Safety Sign



Sign is plainly visible, commands attention of oncoming motorists. All-steel sign, hot-dip galvanized frame with two flag sockets. Sways with the wind to prevent tipping. Sign itself is double-faced 18 in. square with big 5-inch letters. Mounted on frame, it stands 30 in. high. Flag sockets fit S-4220 and S-4227 flags.

<i>Cat. No.</i>	<i>Sign Size</i>	<i>Sign Title</i>	<i>Lbs. Each</i>	<i>Price Each</i>
S-6916	18x18	"Men Working"	23	\$16.25
S-7006	20x24	"Men and Equipment Working"	23	18.35



Flag Base

For holding S-4210 flag. Bowl-shaped, heavy cast iron base makes it difficult to knock flag over. It will roll back into upright position even after flag is tipped. Order flag separately.

<i>Cat. No.</i>	<i>Description</i>	<i>Lbs. Ea.</i>	<i>Price Each</i>
S-4207	Flag base	7-1/2	\$1.55
S-4210	Flag and staff	1/2	.45

Vincent Rare Gas Relay



Effectively reduces noise and improves transmission on a telephone line when the noise is introduced through a grounded ringing circuit. A relatively simple test indicates whether the relay will reduce noise in the telephone line. If opening the grounded ringing circuit at the telephone station results in reduction of noise, use of relay is indicated.

<i>Cat. No.</i>	<i>Oz.</i>	<i>Price Each</i>
S-6058	2	\$3.64

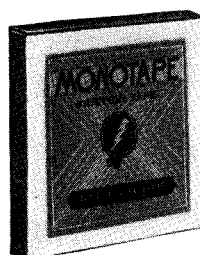


Rapid Asphalt Paint

Resists high temperature, will not soften under 90°-100° C. Spreads approximately 150 sq. ft. per gallon. Free from coal tar. Color is black.

<i>Cat. No.</i>	<i>Quantity</i>	<i>Cans per Case</i>	<i>Lbs. per Can</i>	<i>Price per Qt.</i>
S-5616	1 Quart	10	2	\$0.50

Monotape Friction Tape



Made of the highest grade of woven cotton fabric impregnated with rubber stock and evenly coated with an adhesive rubber compound. This compound contains no free sulphur, will not corrode copper wire and has maximum insulating qualities.

<i>Cat. No.</i>	<i>Width, In.</i>	<i>Ft. per Roll</i>	<i>Lbs. per Roll</i>	<i>Price per Lb.</i>
S-7420	3/4	67-1/2	1/2	\$0.80
S-7422	2	62	1	.92

Monotape Rubber Tape

An excellent rubber tape made to the same high standards as Monotape Friction Tape. 30 feet per roll.

<i>Cat. No.</i>	<i>Width, In.</i>	<i>Lbs. per Roll</i>	<i>Price per lb.</i>
S-7438	3/4	1/2	\$1.05
S-7436	2	1	1.40

Prices shown are subject to change without notice.

Scotchkote Electrical Coating



Cat. No.
S-6385

Recommended as an outer seal on splices subjected to abnormal quantities of oil or contaminated water, such as manholes, industrial tunnels, etc. Resists corrosion from sunlight, soil acids, alkalis. Convenient 8 oz. can with a brush attached to cover.

Lbs. Each
1/2

Price
per can
\$0.85

Scotch Electrical Tape



A paper tape used for repairing paper insulated cable.

Cat. No.	Description	Type	Lbs. Ea.	Price per roll
S-7415	20 yds.x1/2"	3	1/4	\$0.56

Bi-Seal Insulating Tape



Self-bonding plastic tape with high dielectric strength, seals plastic wire and cable splices. Splices last for years since extreme temperatures cannot affect the tape either below or above the ground. Rolls 30 ft. long x .020 in. thick.

Cat. No.	Width, In.	Lbs. Each	Price per roll
S-7418	3/4	3/8	\$1.41
S-7423	1	1/2	1.81
S-7403	2	3/4	3.59

Aluminum Foil Tape

Cat. No.	Width, In.	Ft. per Roll	Lbs. per Roll	Price per Roll
S-7416	2	20	1/2	\$1.75

Scotch Electrical Tape With Plastic Backing, Type 33



Has a stretchy, rubber-like Vinyl Plastic backing that enables it to do the work of the rubber and friction tape combination. 3/4" wide by 66 feet.

Cat. No.
S-7432

Lbs. Ea.
1/4

Price
per Roll
\$1.50

Scotchfil Electrical Insulation Putty



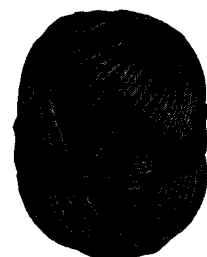
Excellent for insulating and building up cable splices before electrical tape is applied.

Cat. No.	Dimensions	Lbs. Ea.	Price per roll
S-6387	1-1/2 in. x 5 ft. x 1/8 in.	1/2	\$1.75

Marline Twine

Made of highest quality three-ply hemp, saturated with tar. Will withstand long exposure to the weather. Used with Marline Cable Hangers. Weighs 1 lb.

Cat. No.	Price per roll
S-7630	\$0.82



Lacing Twine or Lockstitch

Furnished in 1 lb. balls, 6 to std. pkg.

Cat. No.	No. Plies	Price per lb.
S-7632	6	\$2.80
S-7634	8	2.80
S-7636	9	2.80
S-7638	11	2.80
S-7640	12	2.80

Prices shown are subject to change without notice.

Electronic Secretary[®]

- Answers all calls
- Delivers a pre-recorded message
- Records all messages from callers
- Economical, dependable, courteous.



Electronic Secretary Model DCR-1

Automatically answers incoming calls, records all messages 24 hours a day. Recording device has a capacity of 240 fifteen-second messages. Ideal for small offices—gives clients and customers any information that can be recorded.

Simple and easy to operate, all functions are push-button controlled. Operates on 115 V., 60 cycle, single phase AC. Measures 18" by 14" by 8", grey finish, and weighs 60 pounds.

Electronic Secretary—Model DCR-1 . . . Price, \$415.00

Model T-t

Ideal where messages change often. Built-in "mike" records outgoing message on tape cartridge, automatically erasing old message. Does not record incoming calls. Comes in either grey or walnut, measures 12" by 8" by 9", and weighs 31 pounds.

Electronic Secretary—Model T-t . . . Price, \$275.00

Model TR

Answers all calls with recorded message but does not make a record of incoming calls. Especially suited for business intercepts where message to callers does not change frequently. Uses standard 45RPM record.

Measures 11½" by 8" by 7", available in either grey or walnut finish, weighs 18 pounds.

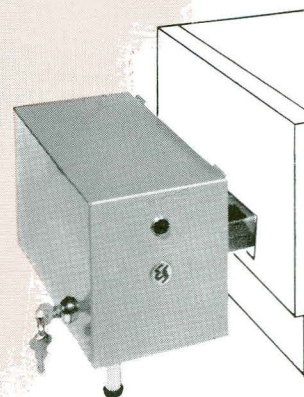
Electronic Secretary—Model TR . . . Price, \$175.00

Remote Call Back – Model DCR-1-CB

When attached to the Electronic Secretary, plays back all recorded incoming calls via telephone from any distant point. Simply call the number being answered by the Electronic Secretary, and a signal generated by a portable oscillator starts playback. When you hang up, it returns to normal operation, ready to record other calls.

Grey finish, 11" by 5½", weighs 11 pounds. When ordering designate Type No. RCB.

Remote Call Back—Model DCR-1-CB . . . Price, \$215.00



Prices shown are subject to change without notice.

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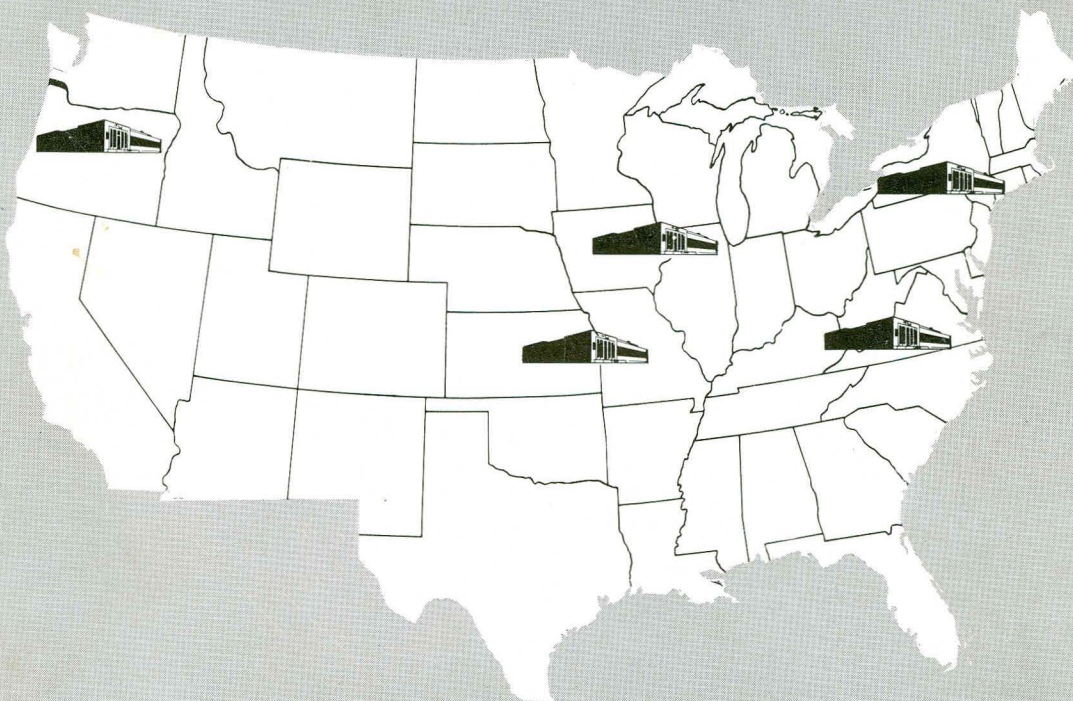
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