

FLERON
EQUIPPED SETS
WORK BEST

Price Circular No. 653

Replacing 652

SEPTEMBER 1, 1933

NEW ITEMS INDICATED



Courtesy of the N7CFO Archives. WWW.N7CFO.COM

FLERON
RADIO
AERIAL
ACCESSORIES

The Complete
Line From One
Source



M. M. FLERON & SON, Inc.
TRENTON, NEW JERSEY

RADIO Fleron PRODUCTS

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New Duo Tap

DUO TAPS*

Bakelite Flush Type Polarized Radio Aerial and Ground Outlet in combination with 110 Volt receptacle

Aerial and Ground connections and Power for your Radio set all from a Single Gang outlet. Furnished complete with Polarized Aerial and Ground Cap, which cannot be interchanged with Power Cap, insuring correct and positive connections for your Radio.

Catalog Number		List Price	
		Carton	Each
34	Receptacle, Polarized Cap and Brass Plate	10	\$1.40
35	Receptacle and Polarized Cap Only	10	1.30
36	Receptacle, Polarized Cap and Bakelite Plate	10	1.40
37	Polarized Aerial and Ground Cap Only	10	.15



Flush Handy Tap

FLUSH HANDY TAP*

Bakelite Flush Type Polarized Radio Aerial and Ground Connector

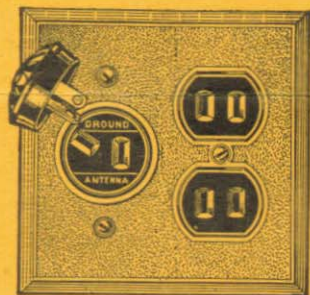
For use where concealed aerial and ground connections only are required and Power for your Radio is furnished from another outlet. Polarized Aerial and Ground Cap is included, which cannot be interchanged with Power Cap, insuring correct and positive connections for your Radio. Approved by Underwriters Laboratories.

Catalog Number		List Price	
		Carton	Each
24	Receptacle and Polarized Cap only	10	\$0.70
25	Receptacle, Polarized Cap and Brass Plate	10	.85
26	Receptacle, Polarized Cap and Bakelite Plate	10	.85
37	Polarized Aerial and Ground Cap Only	10	.15

DUPLEX DUO TAP*

Bakelite Flush Type Polarized Radio Aerial and Ground

Connector in combination with Duplex 110 Volt receptacle



Duplex Duo Tap

For use where concealed Aerial and ground connections are desired in combination with Duplex Electric receptacle. This gives an extra outlet for lamps, appliances, etc. Furnished complete with Polarized Aerial and Ground Cap, which cannot be interchanged with Power Cap, insuring correct and positive connections for your Radio. Separator Plate included. Approved by Underwriters Laboratories.

Catalog Number		List Price	
		Carton	Each
42	Receptacle, Polarized Cap and Brass Plate	10	\$1.70
43	Receptacle, Polarized Cap and Bakelite Plate	10	1.70
37	Polarized Aerial and Ground Cap Only	10	.15

*Registered U. S. Patent Office.

NO. 29 HANDY TAP

Polarized Radio Aerial and Ground Connector



No. 29 Handy Tap

A convenient device for connecting the aerial and ground wires from the set to the aerial and ground lead-in wires. Packed in an individual carton with mounting screw. Separate Polarized Caps available. (Catalog No. 30.)

Catalog Number	Carton	List Price Each
29	20	\$0.35
30 Cap only	20	.15

NO. 32 DUO TAP

Surface Type Polarized Radio Aerial and Ground Connector

in combination with 110 Volt receptacle

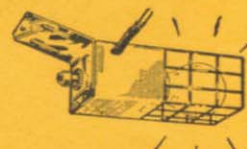


No. 32 Duo Tap

A handy device for extending the 110 v. wires to the radio set and providing a connector for set aerial and ground wires to outside aerial and ground. Makes a neat workmanlike installation. Complete with special Polarized Cap and mounting screws. Separate Polarized Caps available.

Catalog Number	Carton	List Price Each
32	20	\$0.65
30 Cap only	20	.15

AUTOMATIC REFRIGERATOR LIGHT



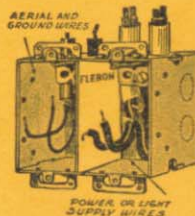
For use on Electrical Refrigerators not already equipped with Automatic Lighting. Easily mounted on the door jamb of box.

Electrical connections are made to current supply of refrigerating unit. Light goes on automatically when door is opened and goes out when door is closed.

Body of White Porcelain; metal parts of Brass, Chromium Plated. Furnished with 5 feet All Rubber parallel wires.

Equipped with Automatic Switch approved by Underwriters Laboratories.

Catalog Number	Carton	List Price Each
932	10	\$2.75



This illustration shows the special Partition which is furnished with our Duplex Duo Tap. It meets the latest Code requirements by effectively separating the two circuits where boxes are ganged together and is approved by the Underwriters.

M. M. Fleron & Son, Inc. Manufacturers Trenton, N. J.

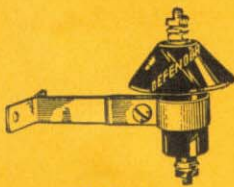
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Effective September 1, 1933

Defender LIGHTNING ARRESTER with \$150 Protection Bond



Defender

Meets the demand for a "Stand off" type outdoor weatherproof arrester. Body of arrester made of Fleron Special High Tension Black Porcelain. All metal parts are made of extra heavy brass. The arrester is of the Mineral Gap type, assuring operation without loss of radio currents. Mounting screws furnished. Each arrester in an attractive carton. Passed by Underwriters Laboratories.

Catalog Number	Standard Package	List Price Each
19	40	\$1.50

Home Guard LIGHTNING ARRESTER with \$50 Protection Bond



Home Guard

A new standard of lightning arrester value. Meets the demand for a lower priced arrester, but avoids trouble and service calls because of care in manufacture. Mineral Gap type. Mounting screws furnished. Each arrester in an attractive carton. Passed by Underwriters Laboratories.

Catalog Number	Standard Package	List Price Each
20	100	\$0.50

Sentinel LIGHTNING ARRESTER with \$100 Protection Bond



Sentinel

This is our leader. Counter Display Stand will stimulate sales for all three arresters beyond expectations. We strongly recommend that you stock and display Sentinel Mineral Gap Type Lightning Arrester. Mounting screws furnished. Passed by Underwriters.



Catalog Number	Display Carton	Standard Package	List Price Each
17	10	100	\$1.00

Blitz LIGHTNING ARRESTER



Blitz

A high grade Air Gap type approved arrester, at a low price. Packed in individual cartons with two screws for mounting.

Catalog Number	Standard Package	List Price Each
80	100	\$0.20

ELECTRIC EXTENSION CORDS



Complete with 3-way Connector Blocks on each end, giving 5 separate outlets. A necessity for extending the 110 V. current supply to the Radio

Set or any other Radio or Electrical Device.

Made of Underwriters Approved Rayon Covered Parallel Lamp Cord and Special 3-way Connector, allowing 3 connections at one time.

Catalog Number	Length	Color	List Price Each
910	10 ft.	Brown Rayon	\$0.60
920	20 ft.	Brown Rayon	.80

AERIAL MAST

Fleron Tubular Steel Aerial Masts meet the requirement for a simplified line of Radio Masts at a low price. Made of high quality welded steel, they make a quick effective and rigid installation for both new and replacement work.



Aerial Mast

Made in three sizes, each size having a Porcelain Insulator and Guy Wire Disc at top, with disc at each section on longer lengths. Guy wires or Anchors are not furnished. Masts are finished in Gray Enamel.

Catalog Number	Length	Carton	List Price Each
166	6 ft.	10	\$1.50
1610	10 ft.	10	2.25
3016 Screw Type	30 "	20	.75

NO. 22 CONNECTOR



Service calls are often caused by faulty or corroded connection of lead-in wire to aerial. Our Connector eliminates this trouble. Use them on your installations as well as selling them over the counter. Display stands furnished.

Catalog Number	Carton	List Price Each
22	100	\$0.05

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COMPLETE AERIAL OUTFITS



Fleron Aerial Outfits are assembled of the best materials and contain the necessary items for the erection of a radio aerial of high efficiency.

No. 120 75 ft. 7-24 Hard Drawn Copper Aerial Wire. 40 ft.

No. 566 New Code Rubber Covered Lead-in Wire. 1 No. 80 Approved Lightning Arrester. 1 No. 2 Ground Clamp. 2 3" Porcelain Insulators. 1 No. 126 Weatherproofed Window Lead-in Strip. 2 Nail-it Knobs. 2 Galvanized Screw Eyes. 6 Insulated Staples. 2 Wood Screws. Diagram and Directions.

No. 150 100 ft. No. 14 7-strand Hard Drawn Copper Aerial Wire. 40 ft. No. 566 New Code Rubber Covered Lead-in Wire. 1 No. 80 Approved Lightning Arrester. 2 3" Porcelain Insulators. 1 No. 6 Ground Clamp. 1 No. 126 Weatherproofed Window Lead-in Strip. 2 Nail-it Knobs. 2 Galvanized Screw Eyes. 6 Insulated Staples. 2 Wood Screws. Diagram and Directions.

No. 200 Contains No. 20 Home Guard Approved Lightning Arrester with \$50 Protection Bond. 1 No. 4 Sure Contact Ground Clamp. Otherwise same as No. 150.

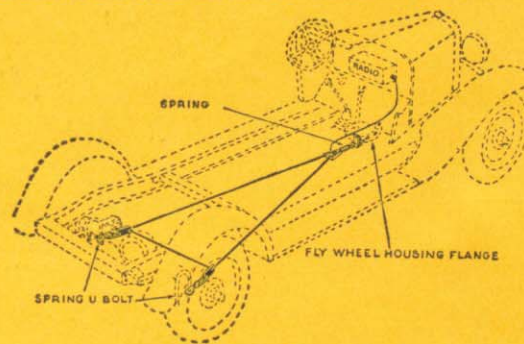
No. 225 100 ft. No. 14 7-strand Hard Drawn Copper Aerial Wire. 50 ft. No. 506 New Code Rubber Covered Lead-in Wire. 15 ft. No. 1864 Hook-up Wire. 1 No. 20 Home Guard Lightning Arrester with \$50.00 Protection Bond. 1 No. 4 Sure Contact Ground Clamp. 1 No. 12 Weatherproofed and Soldered Window Lead-in Strip. 2 Glass Insulators. 3 Nail-it Knobs. 2 No. 618 Screw Eye Insulators. 6 Insulated Staples. 2 Galvanized Screw Eyes. Diagram and Directions.

No. 250 Contains 100 ft. 7-22 Hard Drawn Copper Aerial wire. 50 ft. No. 576 Stranded Rubber Covered Lead-in Wire. 20 ft. No. 1864 Hook-up Wire. 1 No. 17 Sentinel Lightning Arrester with \$100 Protection Bond. Otherwise same as No. 225.

Catalog Number	Carton	Standard Package	List Price Each
120	10	50	\$1.20
150	10	50	1.50
200	10	50	1.85
225	10	50	2.25
250	10	50	2.50

ORDERS FOR SPECIAL AERIAL OUTFIT ASSEMBLIES SOLICITED

AUTOMOBILE RADIO AERIAL OUTFIT

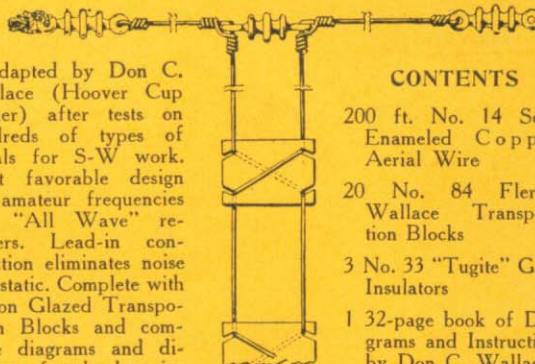


Complete equipment for automobile aerial installation using a special alloy cable and insulated throughout with indestructible Bakelite.

Easily applied to any make car. Carefully made of the best materials and tested for performance.

Catalog Number	Carton	Standard Package	List Price Each
7	16	48	\$3.50

FLERON-WALLACE SHORT WAVE DOUBLET ANTENNA KIT



Adapted by Don C. Wallace (Hoover Cup winner) after tests on hundreds of types of aerials for S-W work. Most favorable design for amateur frequencies and "All Wave" receivers. Lead-in construction eliminates noise and static. Complete with Fleron Glazed Transposition Blocks and complete diagrams and directions for the best installation.

CONTENTS

- 200 ft. No. 14 Solid Enamelled Copper Aerial Wire
- 20 No. 84 Fleron-Wallace Transposition Blocks
- 3 No. 33 "Tugite" Glass Insulators
- 1 32-page book of Diagrams and Instructions by Don C. Wallace

Catalog Number	Carton	List Price Each
495	10	\$4.95

FLERON-WALLACE ALL GLAZED TRANSPOSITION BLOCKS



Complete glazing is an important feature of the Fleron-Wallace Block. It eliminates absorption of moisture and reduces the accumulation of soot and dirt. Only F-W Blocks have this important feature. This is the original Block adapted by Don C. Wallace on his now famous Doublet Antenna System, specifying 20 Blocks per Lead-in. White Glaze.

Catalog Number	Carton	Standard Package	List Price Each
84 White Glaze	20	100	\$0.20

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FLERON AERIAL WIRE



Aerial Wire

Hard drawn, high grade, stranded copper wire. Neatly coiled, packed and marked.

Length	Size	List Price Per Coil		
		Bare Copper	Tinned	Enameled
75 ft. Coil	7 x 22			
100 ft. Coil	7 x 22			
1000-ft. Spool	7 x 22			
75-ft. Coil	14-7 Strand			
100-ft. Coil	14-7 Strand			
1000-ft. Spool	14-7 Strand			
75-ft. Coil	7 x 24			
100-ft. Coil	7 x 24			
1000-ft. Spool	7 x 24			

Prices subject to change with copper market



Hook-up Wire

BRAIDED HOOK-UP WIRE

A flexible, well insulated and attractively braided wire. Furnished on sturdy spools.

Catalog Number	Length	List Price Each
264 R Brown Braid	500-ft. Spool	\$4.50
2642 R Twisted Pair	250-ft. Spool	4.75
6312 Black Push Back Insulation	500-ft. Spool	6.00
1864 Stranded Copper Rubber Insulation	100-ft. Spool	.70
10864 Colors	1000-ft. Spool	6.50

GROUND RODS



Ground Rods

Made in two sizes—4 feet or 6 feet long—of 3/8 inch rod heavily galvanized by the Hot Dip process. Wire is securely held by our special Ground Rod Clamp. We especially recommend the galvanized rod because of its non-corrosive qualities.

The Copper finished rod is available for those desiring a lower priced item.

Catalog Number	Length	Bundle	Standard Package	List Price Each
485 (Hot Galvanized)	4 ft.	20	100	\$0.40
725 (Hot Galvanized)	6 ft.	20	100	.60
45 (Copper Finish)	4 ft.	20	100	.35

WIRE PRICES SUBJECT TO CHANGE WITH COPPER MARKET

RUBBER COVERED COPPER LEAD-IN WIRE

A lead-in and ground wire of high quality. Rubber insulation of NEW CODE RUBBER. Strips freely and has a smooth, clean finish. Furnished in 50-ft. coils (in individual cartons) and on 500-ft. spools. Furnished in two weights (Heavier Gauge and Medium Gauge), as listed below. Wire sample card furnished Free.

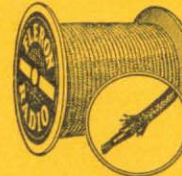


Lead-in Wire

Catalog Number	Length	List Price Each
56 Heavier Gauge	50-ft. Coil	\$0.45
506 Heavier Gauge	500-ft. Spool	4.50
66 Medium Gauge	50-ft. Coil	.35
566 Medium Gauge	500-ft. Spool	3.25

Catalog Number	Length	List Price Each
576 Heavier Gauge	50-ft. Coil	\$0.60
5076 Heavier Gauge	500-ft. Spool	6.00
676 Medium Gauge	50-ft. Coil	.40
1676 Medium Gauge	100-ft. Spool	.80
5676 Medium Gauge	500-ft. Spool	4.00

SHIELDED LEAD-IN WIRE



Shielded Lead-in Wire

Fleron Shielded Lead-in Wire eliminates noises caused by outside interference such as comes from motors, vibrators, violet ray machines, vacuum cleaners, etc. It is only necessary to ground the shielding as close as possible to the receiver, making balance of installation in regular way. Best results will be obtained by the use of a separate ground (or Ground Rod), for the shielding.

Nos. 57 and 257 are special wires used chiefly on Auto Radio installations.

Catalog Number	Length	List Price Each
58 Rubber Insulation	50-ft. Coil	\$1.20
258 Rubber Insulation	250-ft. Spool	6.00
57 Cotton & Paraffin Insulation	50-ft. Coil	2.75
257 Cotton & Paraffin Insulation	250-ft. Spool	14.00

Send for FREE Card Showing Wire Samples



No. 12 Soldered Copper Lead-in Strip



No. 126 Copper Lead-in Strip

WEATHERPROOF AND SOLDERED COPPER LEAD-IN STRIPS

Insulated its entire length and thoroughly impregnated with a new process high gloss weather-proof insulating varnish. End clips are soldered to strip.

Catalog Number	Size	Carton	List Price Each
12	3/8" x 12 1/2"	50	\$0.10
126	3/8" x 12 1/2"	50	.10

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NO. 4 "Sure Contact" GROUND CLAMP



This is our regular Heavy Duty Ground Clamp. Can be used on pipe sizes up to 1 1/2" in diameter. Pointed Thumb Screw digs through paint or rust to form perfect contact. Lock nut insures permanent contact. Ground wire fastened under separate contact screw.

No. 4 Ground Clamp

Catalog Number	Carton	List Price Each
4	25	\$0.12



NO. 6 GROUND CLAMP

To those desiring a lighter clamp than our No. 4 we suggest our No. 6 clamp. It is made of narrower, thinner metal, cadmium plated. Ground wire is fastened under lock nut.

No. 6 Ground Clamp

Catalog Number	Carton	List Price Each
6	50	\$0.08

NO. 3 SADDLE TYPE GROUND CLAMP



Can be used on any size pipe from 3/8" to 2" in diameter. Sharp Pointed Screw digs through any rust or paint on pipe to make a sure, positive ground connection. TINNED COPPER STRIP.

No. 3 Saddle Type Ground Clamp

Catalog Number	Carton	List Price Each
3	50	\$0.10

NO. 2 SOLDERED COPPER GROUND CLAMP



An improved Ground Clamp. Fahnestock Clip No. 2 Soldered Copper Ground Clamp is SOLDERED to the Clamp. Connection can be made to Clip or Bolt. HEAVY GAUGE COPPER.

Catalog Number	Size	Carton	List Price Each
2	9"	50	\$0.07

"TUGITE" GLASS INSULATORS



Fleron Glass Insulators are made of special temperature resisting glass which is unaffected by heat or cold or any atmospheric condition. Packed in individual cartons.

Glass Insulator

Catalog Number	Size	Carton	List Price Each
33	3 3/8 x 1 1/8	100	\$0.10
52	3 1/8 x 1	100	.05

Special Bulk Quantity Prices on Application

NO. 21 PORCELAIN INSULATORS



A high grade insulator made of Fleron Blue Porcelain in a new package. 25 insulators in a Counter Display Stand.

Porcelain Insulator

Catalog Number	Size	Carton	List Price Each
21	3 x 1 3/8	100	\$0.10
75	2 3/4 x 1 1/8	100	.05

Special Bulk Quantity Prices on Application

SCREW EYE INSULATORS



Made in three sizes. Porcelain ring made of Fleron Blue Porcelain. Screw eyes of steel, hot tinned finish.

Screw Eye Insulator

Catalog Number	Size	Carton	List Price Each
318	3"	50	\$0.05
618	6 1/4"	50	.07
1218	12"	20	.15

Special Bulk or Packed Quantity Prices on Application

NO. 188 AERIAL SPRING TIGHTENER



For holding aerial wire tight and straight. Prevents breakage when swaying in wind or if covered with heavy snow and ice or if anchored to trees, etc. Improved Rust Proofing.

Catalog Number	Carton	List Price Each
188	50	\$0.50

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No. 180 STAND-OFF INSULATOR

Our tiniest insulator. Very handy. 6-32 N. P. Brass Fittings. Base, $\frac{1}{2}'' \times \frac{7}{8}''$. Height, Porcelain, $\frac{1}{2}''$. Overall, $\frac{3}{4}''$. BLACK OR WHITE GLAZE.

Catalog Number	Carton	Standard Package	List Price Each
180 White or Black Glaze	100	500	\$0.07



No. 181 STAND-OFF INSULATOR

Slightly smaller than our No. 20. A very convenient size. 8-32 N. P. Brass Fittings. Base, $\frac{3}{4}'' \times 1\frac{1}{8}''$. Height, Porcelain, $1''$. Overall, $1\frac{3}{8}''$. BLACK OR WHITE GLAZE.

Catalog Number	Carton	Standard Package	List Price Each
181 White or Black Glaze	50	300	\$0.08

NO. 82 STAND-OFF INSULATOR



An Insulator of many uses: Supports Lead-ins; R F Leads; Power Supply Leads; Condensers; Choke and Tuning Coil Mountings. 10-32 N. P. Brass Fittings. Base $1'' \times 1\frac{1}{2}''$. Height Porcelain $1\frac{1}{4}''$. Overall $1\frac{1}{2}''$. BLACK OR WHITE GLAZE.

Catalog Number	Carton	Standard Package	List Price Each
82	20	200	\$0.10

NO. 15 STAND-OFF INSULATORS



Used for same general purposes as our No. 82 but slightly larger. Reinforced base prevents breakage. 10-32 N. P. Brass Fittings. Base 2" Dia. Height Porcelain $1\frac{3}{8}''$. Overall 2". BLACK OR WHITE GLAZE.

Catalog Number	Carton	Standard Package	List Price Each
15	10	100	\$0.15

NO. 83 HEAVY DUTY STAND OFF INSULATOR



For same general uses as our smaller Stand-offs, but where greater spacing is required, higher voltages are used, or to reduce capacity effects. Useful as lightning switch support or Heavy Duty Lead-in with $\frac{1}{4}''$ No. 20 Brass Rod of required length. Base $2\frac{1}{2}''$ square. Height Porcelain $4\frac{1}{2}''$. Overall $5\frac{1}{4}''$ Individual cartons. BLACK OR WHITE GLAZE.

Catalog Number	Standard Package	List Price Each
83	36	\$0.50



No. 184 STAND-OFF INSULATOR

Approximately one-half size of our No. 83 and will be found well suited for mounting many instruments. 14-24 N. P. Brass Fittings. Base, $1\frac{1}{8}''$ square. Height, Porcelain, $2\frac{3}{4}''$. Overall, $3\frac{3}{8}''$. BLACK OR WHITE GLAZE.

Catalog Number	Standard Package	List Price Each
184	48	\$0.35

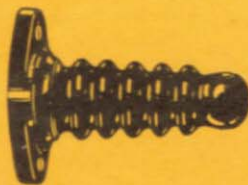
PORCELAIN LEAD-IN BUSHING



This device makes a workmanlike finish at a point in aerial installation that has been a source of power loss. Maximum length, 14 inches. Porcelain sections slide off brass rod to any wall thickness up to $9\frac{3}{4}''$ inches. Threaded rod can then be cut at any desired point. Black Porcelain. Black Glaze. Passed by Underwriters Laboratories. Each Bushing in carton.

Catalog Number	Carton	Standard Package	List Price Each
9	10	25	\$1.10

STAND-OFF INSULATORS



Increases aerial efficiency by keeping lead-in wire away from building. No. 14 made of one-piece porcelain. No. 8 has heavy metal base. Mounting screws furnished. Each insulator in a separate carton. Black Glaze Finish.

Catalog Number	Size	Standard Package	List Price Each
14	4"	60	\$0.25
8	8"	20	1.00

HEAVY DUTY AERIAL INSULATOR



Extra Strong Black or White Glaze Porcelain. Individual Cartons

Catalogue Number	Size	Carton	List Price Each
40	8" x $1\frac{1}{2}''$	20	\$0.60

M. M. Fleron & Son, Inc.

Manufacturers

Trenton, N. J.