

**CANADIAN GENERAL  
ELECTRIC CO.  
LIMITED**



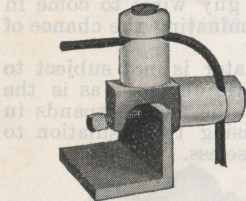
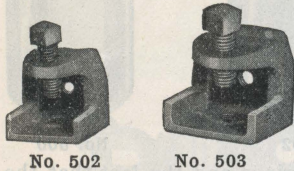
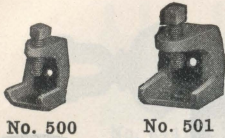
**ELECTRICAL SUPPLIES**

**CATALOGUE NO. 15  
1915-16**

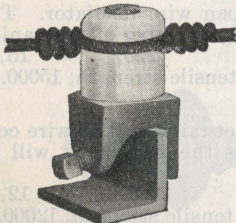


## UNIVERSAL INSULATOR SUPPORTS

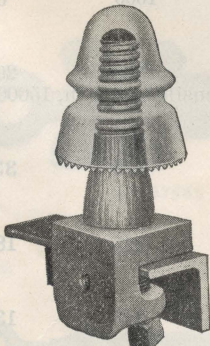
Universal Insulator Supports are specially designed malleable iron clamps for securing insulators in any position to open steel framework for wiring mills, foundries, factories, shops, bridges, piers, elevated railways, subways, train sheds and similar structures. They are easily attached, and by their use, electric wiring for lights, motors, generators, cranes, etc., can be installed with a great saving of labor and material.



Showing No. 500 Support with Two No. 5 1/2 Split Insulators Support is Tapped Special for No. 10-24-Thread Machine Screw



Showing No. 502 Support with No. 3 1/2 Insulator. Support is Tapped Standard for No. 24-16-Thread Machine Screw



Showing No. 503 Support with D. G. D. P. Glass Insulator and Special Wood Pin

### LIST PRICES OF UNIVERSAL INSULATOR SUPPORTS

Trade No.	Mfrs. No.	Size of Support Inches	Standard Tapping for Screws and Bolts (See Note A)	Price per 100
012141	500	1	1/4-inch—20 (No. 14-20)	\$20.00
012142	501	1 1/2	5/16-inch—18 (No. 18-18)	34.00
012143	502	2	3/8-inch—16 (No. 24-16)	46.00
012144	503	2 1/2	1/2-inch—13	68.00

Prices include leather washers for insulators, but do not include machine screws or bolts for insulators.

### Table of Wires, Insulators, Supports and Screws

These combinations of wire sizes, insulators and supports should be followed only after consideration of the problem in hand, taking account of character of work and stresses involved, strength of insulators, etc. Table shows largest size of wires suitable for insulators listed—smaller wires may, of course, be used as desired.

See Notes	Largest Wire Fitting Insulator Groove	Insulator Std. No.	Size of Insulator Support Inches	Screws and Bolts—Sherardized Size	Price per 100
....	No. 12	5 1/2	1	2 -in. No. 14-20-F.H.	\$1.46
A	No. 12	5 1/2 Split	1	2 1/4-in. No. 10-24-F.H.	1.18
....	No. 8	33 Sec.	1 1/2	2 3/4-in. No. 18-18-F.H.	2.88
A	No. 6	9419	1 1/2	2 1/2-in. No. 14-20-F.H.	1.84
....	No. 6	4 1/2	1 1/2	2 1/4-in. No. 18-18-F.H.	2.26
....	No. 4	3 1/2	2	2 1/2-in. No. 24-16-F.H.	3.68
A	No. 4	9420	2	2 3/4-in. No. 18-18-F.H.	2.88
B	No. 2	2	2	2 1/2-in. No. 24-16-R.H.	3.68
B	No. 1	26	2	2 1/2-in. No. 24-16-R.H.	3.68
B	No. 0	24	2	2 1/4-in. No. 24-16-R.H.	3.44
B	No. 0	30	2	2 1/2-in. No. 24-16-R.H.	3.68
C	No. 2-0	3 W. G.	2	2 1/2-in. No. 24-16-F.H.	3.68
C	No. 2-0	1	2	3 1/4-in. No. 24-16-F.H.	6.11
B-C	250000 C.M.	49	2 1/2	2 -in. x 1/2-in. bolt	3.86
B-C	300000 C.M.	Murdock-B	2	3 1/2-in. x 3/8-in. bolt	3.04
B-C	300000 C.M.	Murdock-B	2 1/2	3 1/2-in. x 1/2-in. bolt	4.64
A-B-C	500000 C.M.	29	2 1/2	3 -in. x 3/8-in. bolt	2.88
B-C	1000000 C.M.	52	2 1/2	3 3/4-in. x 1/2-in. bolt	4.90
B-C	1000000 C.M.	53	2 1/2	3 1/2-in. x 1/2-in. bolt	4.64
B-C	1000000 C.M.	Murdock-A	2 1/2	4 -in. x 1/2-in. bolt	4.90
....	To fit glass ins.	38 and Glass	2 1/2	Special wood pin and bolt	10.00

NOTE A.—Items marked require supports to be tapped special for screws or bolts, without extra charge.

NOTE B.—Should have iron washer under screw or bolt head.

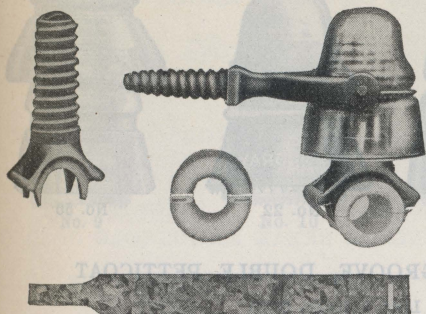
NOTE C.—B. & D. Cleats also recommended.



## TREE INSULATORS

## HOLMES TREE INSULATORS

Holmes Tree Insulators prevent leakage, short circuits and tree grounds. Made of malleable iron with double petticoat insulator. Always in upright position regardless of slant of tree. Current cannot leak even if wire is bare. It can be applied quickly without cutting the wire.

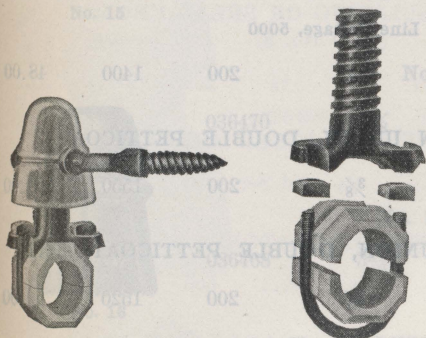


Holmes Tree Insulator, Style A

Trade No.	Style	Description	Price Each
052297	A	Takes wire up to 00 B. & S. .	\$0.56
052298	B	Takes wire up to 0000 B. & S. .	.90

## KIRBY TREE INSULATORS

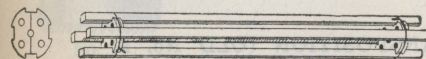
As will be seen from the illustration, this guard is of the squirrel cage type, consisting of two split-porcelain circular end frames serving as mounting supports for the guide or guard rods, which are made of specially treated wood, of great toughness and strength. The line conductor is by this method of construction entirely surrounded by a flexible protecting cage, which prevents damage being done by the line insulation coming in contact with limbs, guy wires, poles, buildings, etc. As the guard will freely swing with the line conductors, the danger of strains is minimized.



Holmes Tree Insulator, Style B

To mount the guard in position, it is only necessary to place the split-porcelain ends around the conductor and insert the wooden rods; then a small binder wire is run around in grooves on the porcelain end frames, after which the wire is simply twisted together.

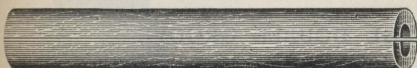
By the use of this improved form of guard, the insulation on the line wires can be mechanically protected, while a high factor of insulation is secured by the use of porcelain end frames.



Kirby Tree Insulator

Trade No.	Description	Price Each
052304	Takes wire up to No. 0000 . .	\$0.60

## ROUND WOOD TREE MOLDING

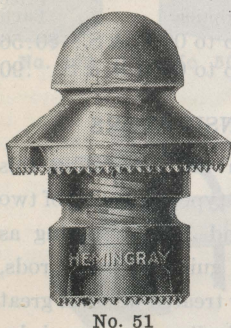
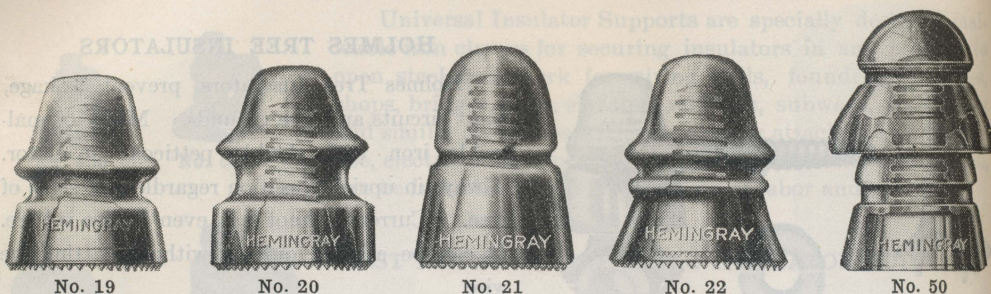


Round Wood Tree Molding

Trade No.	Size of Hole Inches	Price, per 1000 Feet
052305	$\frac{3}{8}$	\$55.00
052306	$\frac{1}{2}$	60.00
052307	$\frac{3}{4}$	70.00
052308	1	90.00
052309	$1\frac{1}{4}$	115.00
052310	$1\frac{1}{2}$	140.00



## HEMINGRAY GLASS INSULATORS



No. 19 DEEP GROOVE, DOUBLE PETTICOAT

Line Voltage, 5000

Trade No.	DIMENS. OVER ALL, INCHES Height	Diam.	Groove	Std. Pkg.	Wt., Lbs. per 1000	Price per 1000
036465	3 $\frac{7}{8}$	3 $\frac{1}{4}$	$\frac{1}{2}$	200	1350	\$48.00

Also made in blue, amber and crystal colors.



No. 20 STREET RAILWAY, OR EXTRA DEEP GROOVE, DOUBLE PETTICOAT

Line Voltage, 5000

036466	4	3 $\frac{1}{4}$	$\frac{3}{4}$	200	1400	48.00
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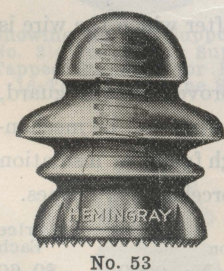
No. 21 WESTERN UNION, DOUBLE PETTICOAT

036462	4 $\frac{3}{8}$	3 $\frac{1}{4}$	$\frac{3}{8}$	200	1550	50.00
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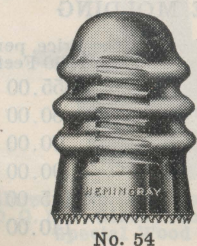
No. 22 WESTERN UNION, DOUBLE PETTICOAT TEAT

036461	4 $\frac{1}{4}$	3 $\frac{1}{2}$	$\frac{1}{4}$	200	1520	50.00
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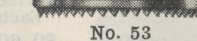
No. 50 TWO-PIECE TRANSPOSITION

036474	5	3 $\frac{1}{4}$	$\frac{3}{8}$ Top $\frac{1}{2}$ Bot.	125	1950	96.00
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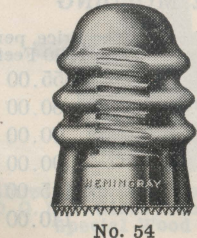
No. 51 PERFECT TRANSPOSITION (OLD No. 1)

036472	5 $\frac{1}{2}$	4 $\frac{1}{4}$	$\frac{3}{8}$	100	2500	100.00
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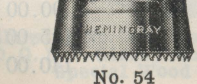
No. 52 TRANSPOSITION (OLD No. 2)

036473	4 $\frac{3}{4}$	3 $\frac{1}{4}$	$\frac{3}{8}$	125	2100	70.00
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No. 53 TRANSPOSITION (OLD No. 14)

83889	4 $\frac{1}{2}$	4	$\frac{3}{8}$ Top $\frac{5}{16}$ Bot.	100	2250	80.00
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No. 54 LARGE DOUBLE GROOVE

83890	4 $\frac{1}{4}$	2 $\frac{7}{8}$	$\frac{3}{8}$	200	1375	54.00
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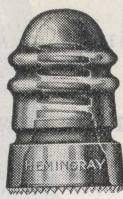
## HEMINGRAY GLASS INSULATORS



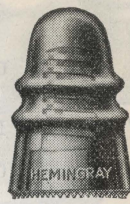
No. 9



No. 10



No. 12

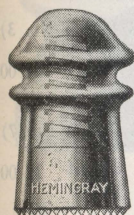


No. 13



No. 14

## No. 9 PONY



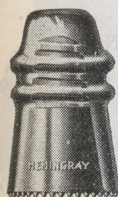
No. 15

Trade No.	DIMENS. OVER ALL, INCHES	Height	Diam.	Groove	Std. Pkg.	Wt., Lbs. per 1000	Price per 1000
036469		3 $\frac{3}{4}$	2 $\frac{1}{4}$	$\frac{3}{8}$	400	675	\$25.00

## No. 10 EXCHANGE LINE

83877	3 $\frac{1}{4}$	2 $\frac{1}{2}$	$\frac{7}{16}$	350	720	28.00
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## No. 12 DOUBLE GROOVE PONY



No. 16

036470	3 $\frac{5}{8}$	2 $\frac{3}{8}$	$\frac{3}{8}$ Top $\frac{1}{4}$ Bot.	400	750	25.00
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## No. 13 NATIONAL PONY (OLD No. 4)

036468	3 $\frac{3}{4}$	2 $\frac{1}{2}$	$\frac{3}{8}$	300	825	27.00
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## No. 14 DEEP GROOVE, DOUBLE PETTICOAT PONY

036467	3 $\frac{3}{8}$	2 $\frac{7}{8}$	$\frac{3}{8}$	300	865	32.00
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No. 17

## No. 15 WESTERN UNION (OLD No. 5)

83878	4 $\frac{3}{8}$	2 $\frac{3}{4}$	$\frac{3}{8}$	200	1450	47.00
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## No. 16 LONG DISTANCE

036471	4	2 $\frac{5}{8}$	$\frac{3}{8}$	300	1000	36.00
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## No. 17 REGULAR (OLD No. 3)

036463	4	2 $\frac{3}{4}$	$\frac{5}{16}$	250	1120	35.00
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No. 18

## No. 18 DEEP GROOVE

036464	4	2 $\frac{7}{8}$	$\frac{1}{2}$	250	1200	40.00
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## HEMINGRAY GLASS INSULATORS



No. 100



No. 101

## No. 100 INSULATING OR BREAK KNOBS (OLD No. 1)

Trade No.	DIMENS. OVER ALL, INCHES				Std. Pkg.	Wt., Lbs. per 1000	Price per 1000
	Height	Diam.	Groove	Hole			
036432	1½	1½	¾	½	500	200	\$18.00

## No. 101 INSULATING OR BREAK KNOBS (OLD No. 1 1/2)

036435	1 7/8	1 1/2	3/8	1/2	500	230	21.00
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No. 102



No. 103

## No. 102 INSULATING OR BREAK KNOBS (OLD No. 2)

036434	1 3/4	2	3/8	3/8	500	440	22.00
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## No. 103 INSULATING OR BREAK KNOBS (OLD No. 3)

036433	2	2	5/8	3/8	500	460	22.00
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No. 107



No. 108

## No. 107 INSULATING OR BREAK KNOBS (OLD No. 7)

036436	1 7/8	2	3/4	3/8	500	460	22.00
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No. 108 INSULATING OR BREAK KNOBS  
(OLD No. 8)

036438	3 3/8	2 3/4	1	5/8	200	1500	95.00
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## No. 95 MINE INSULATORS (OLD No. 1)

036437	3 1/2	2 7/8	5/8	Std. Scr.	200	1475	70.00
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No. 95

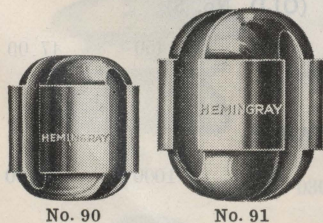
## No. 90 SPAN WIRE INSULATORS (OLD No. 10)

036439	2 3/8	2 1/4	3/8	....	500	700	90.00
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## No. 91 SPAN WIRE INSULATORS (OLD No. 15)

036440	3 1/8	2 3/4	1/2	....	250	1260	140.00
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## FLOOR INSULATORS

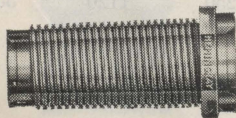


No. 90



No. 91

Trade No.	Mfrs. No.	Length Inches	Bore Inches	Style	Price per 1000
036441	120	2 1/2	3/4	Screw	\$78.00
036442	121	3	1/2	Screw	83.50
036443	122	3	1	Screw	83.50
036444	123	3	1 1/4	Screw	100.00
036445	124	3 1/2	3/4	Plain	94.50
067161	125	3 1/2	1	Screw	94.50
036446	126	4	3/4	Screw	117.00
036447	127	4	1	Screw	117.00
036448	128	4 1/2	1	Screw	122.00
036449	129	5	1	Screw	140.00
036450	130	6	1	Screw	161.00
036451	131	6	1 1/4	Screw	172.00
83866	132	6	1	Split plain	228.00



No. 120

The 6-inch split insulators are in two pieces, tongued and grooved, and fit together closely.



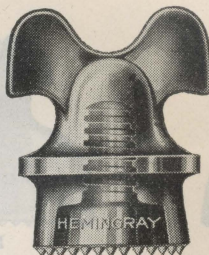
## HEMINGRAY GLASS INSULATORS



No. 40



No. 41



Nos. 60 and 60A



No. 61

## No. 40 DOUBLE PETTICOAT



No. 62

Trade No.	DIMENS. OVER ALL, INCHES			VOLTAGE TEST			Std. Wt., Lbs. Price		
	Height	Diam.	Groove	Dry	Wet	Line	Pkg. per 1000	per 1000	
83901	3 $\frac{5}{16}$	3 $\frac{9}{16}$	$\frac{5}{16}$	.....	.....	5000	200	1550	\$52.00

## No. 41 LONG DOUBLE PETTICOAT

83902	5	4	1 $\frac{1}{8}$	66200	31800	6000	100	2750	85.00
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## No. 60 CABLE

036459	5	3 $\frac{1}{4}$	1 $\frac{1}{2}$	54500	24000	6600	100	2300	70.00
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## No. 60A CABLE

83903	5	3 $\frac{1}{4}$	2	54500	24000	6600	100	2300	70.00
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## No. 61 CABLE (OLD No. 1)

83904	3 $\frac{3}{4}$	3 $\frac{1}{4}$	1	44200	21800	6600	200	1450	60.00
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## No. 62 CABLE (OLD No. 2)

036458	4	3 $\frac{5}{8}$	1 $\frac{1}{4}$	56400	25100	6600	125	2100	70.00
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## No. 63 CABLE (OLD No. 3)

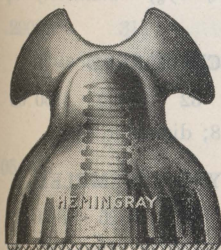
83905	5 $\frac{7}{8}$	4 $\frac{1}{4}$	2	60200	28300	7500	65	3600	110.00
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## No. 64 COLUMBIA DOUBLE PETTICOAT

036460	5 $\frac{1}{4}$	4	1 $\frac{1}{4}$	62400	29500	6600	100	2800	100.00
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## No. 70 HIGH POTENTIAL TRIPLE PETTICOAT CABLE

83906	5	4 $\frac{3}{4}$	1 $\frac{3}{4}$	61900	37800	10000	65	3150	150.00
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No. 70



## HEMINGRAY GLASS INSULATORS



No. 71



No. 72



No. 73



No. 74



Nos. 75 and 76

No. 78 Insulator  
with No. 77 Sleeve

## No. 71 HIGH VOLTAGE (OLD No. 1)

Trade No.	Dry	VOLTAGE TEST Wet	Line	Std. Pkg.	Wt., Lbs. per 1000	Price per 1000
036454	58400	31000	10000	100	2500	\$110.00

Dimensions, inches: Height,  $3\frac{3}{4}$ ; diameter,  $4\frac{3}{4}$ ; groove,  $\frac{5}{8}$ .

## No. 72 HIGH VOLTAGE (OLD No. 4)

83917	64000	31400	10000	100	2700	110.00
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Dimensions, inches: Height, 4; diameter,  $4\frac{3}{4}$ ; top groove, 1 inch; side groove,  $\frac{3}{4}$ .

## No. 73 PROVO TYPE (OLD No. 2)

036455	74400	43800	15000	60	3600	200.00
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Dimensions, inches: Height,  $4\frac{3}{4}$ ; diameter,  $5\frac{1}{2}$ ; top groove,  $\frac{3}{4}$ ; bottom groove,  $\frac{1}{2}$ .

## No. 74 PROVO TYPE (OLD No. 1)

036453	93700	55200	19000	25	7000	300.00
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Dimensions, inches: Height, 6; diameter, 7; top groove,  $\frac{5}{8}$ ; center groove,  $\frac{3}{8}$ ; bottom groove,  $\frac{1}{2}$ .

## No. 75 (7-INCH) MUNCIE TYPE

036452	86200	50100	17000	30	6200	300.00
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Dimensions, inches: Height,  $4\frac{7}{8}$ ; diameter, 7; groove,  $\frac{1}{8}$ .

## No. 76 (9-INCH) MUNCIE TYPE

83918	95000	80000	22000	16	11250	500.00
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Dimensions, inches: Height,  $5\frac{7}{8}$ ; diameter, 9; groove,  $\frac{1}{8}$ .

## No. 77 (9-INCH) MUNCIE SLEEVE

83919	110000	95000	33000	32	5400	350.00
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Dimensions, inches: Height, 8; diameter,  $5\frac{1}{2}$ .

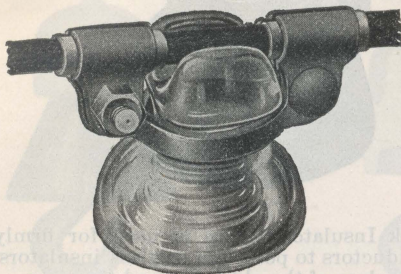
## No. 78 (9-INCH) MUNCIE TYPE ASSEMBLED

83920	110000	95000	33000	8	18125	850.00
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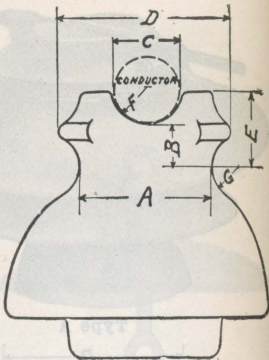
Dimensions, inches: Height,  $13\frac{7}{8}$ ; diameter, 9; groove,  $\frac{1}{8}$ .



CLARK INSULATOR CLAMPS



Type C



Diagram

TYPE C

The Type C clamp is designed for use with small heavy insulators and for rigid construction. It is especially adapted for use at overhead railroad crossings where suitable bushings of soft copper or aluminum are provided, depending upon the conductor. It also provides, when furnished with lead bushings, to amply protect the insulation, an excellent means of holding insulated conductors in place.

Dimension A—1½ to 1⅞ Inches										
Dimension C—DIAMETER OF CONDUCTOR										
Dimen. B Inches	¼ INCH		½ INCH		¾ INCH		1 INCH		1 ⅛ INCH	
	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron
½	\$0.35	\$0.33	\$0.40	\$0.35	\$0.45	\$0.37	\$0.50	\$0.38	\$0.55	\$0.39
¾	.40	.35	.45	.37	.50	.38	.55	.39	.60	.40
1	.45	.37	.50	.38	.55	.39	.60	.40	.65	.41
¾ INCH										
1	.60	.40	.65	.41	.70	.42	.75	.43	.80	.44
1 ¼	.65	.41	.70	.42	.75	.43	.80	.44	.85	.45
1 ½	.70	.42	.75	.43	.80	.44	.85	.45	...	...
Dimension A—2 to 2⅞ Inches										
Dimen. B Inches	¼ INCH		½ INCH		¾ INCH		1 INCH		1 ⅛ INCH	
	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron
¾	.47	.38	.52	.39	.57	.40	.62	.41	.67	.42
1	.52	.39	.57	.40	.62	.41	.67	.42	.72	.43
1 ¼	.57	.40	.62	.41	.67	.42	.72	.43	.77	.44
1 ½	.62	.42	.67	.43	.72	.44	.77	.44	.82	.45
¾ INCH										
1	.72	.43	.77	.44	.82	.45	.87	.46	.92	.47
1 ¼	.77	.44	.82	.45	.87	.46	.92	.47	.97	.48
1 ½	.82	.46	.87	.48	.92	.49	.97	.50	1.02	.49
1 ¾	.87	.50	.92	.52	.97	.54	1.02	.55	1.07	.56
Dimension A—3 to 3⅞ Inches										
Dimen. B Inches	¼ INCH		½ INCH		¾ INCH		1 INCH		1 ⅛ INCH	
	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron
¾	.55	.41	.60	.42	.65	.43	.70	.44	.75	.45
1	.60	.43	.65	.44	.70	.45	.75	.46	.80	.47
1 ¼	.65	.45	.70	.46	.75	.47	.80	.48	.85	.49
1 ½	.70	.47	.75	.48	.80	.50	.85	.51	.90	.53
¾ INCH										
1	.80	.47	.85	.48	.90	.49	.95	.50	1.00	.51
1 ¼	.85	.48	.90	.50	.95	.52	1.00	.54	1.05	.56
1 ½	.90	.51	.95	.53	1.00	.54	1.05	.56	1.10	.58
1 ¾	.95	.54	1.00	.56	1.05	.58	1.10	.60	1.15	.62
Dimension A—4 to 4⅞ Inches										
Dimen. B Inches	¼ INCH		½ INCH		¾ INCH		1 INCH		1 ⅛ INCH	
	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron	Bronze	Mall. Iron
1	.65	.43	.70	.44	.75	.46	.80	.47	.85	.49
1 ¼	.70	.46	.75	.48	.80	.50	.85	.51	.90	.52
1 ½	.75	.50	.80	.52	.85	.54	.90	.56	.95	.58
¾ INCH										
1	.90	.50	.95	.51	1.00	.52	1.05	.53	1.10	.54
1 ¼	.95	.54	1.00	.56	1.05	.58	1.10	.60	1.15	.62
1 ½	1.00	.59	1.05	.60	1.10	.63	1.15	.65	1.20	.67