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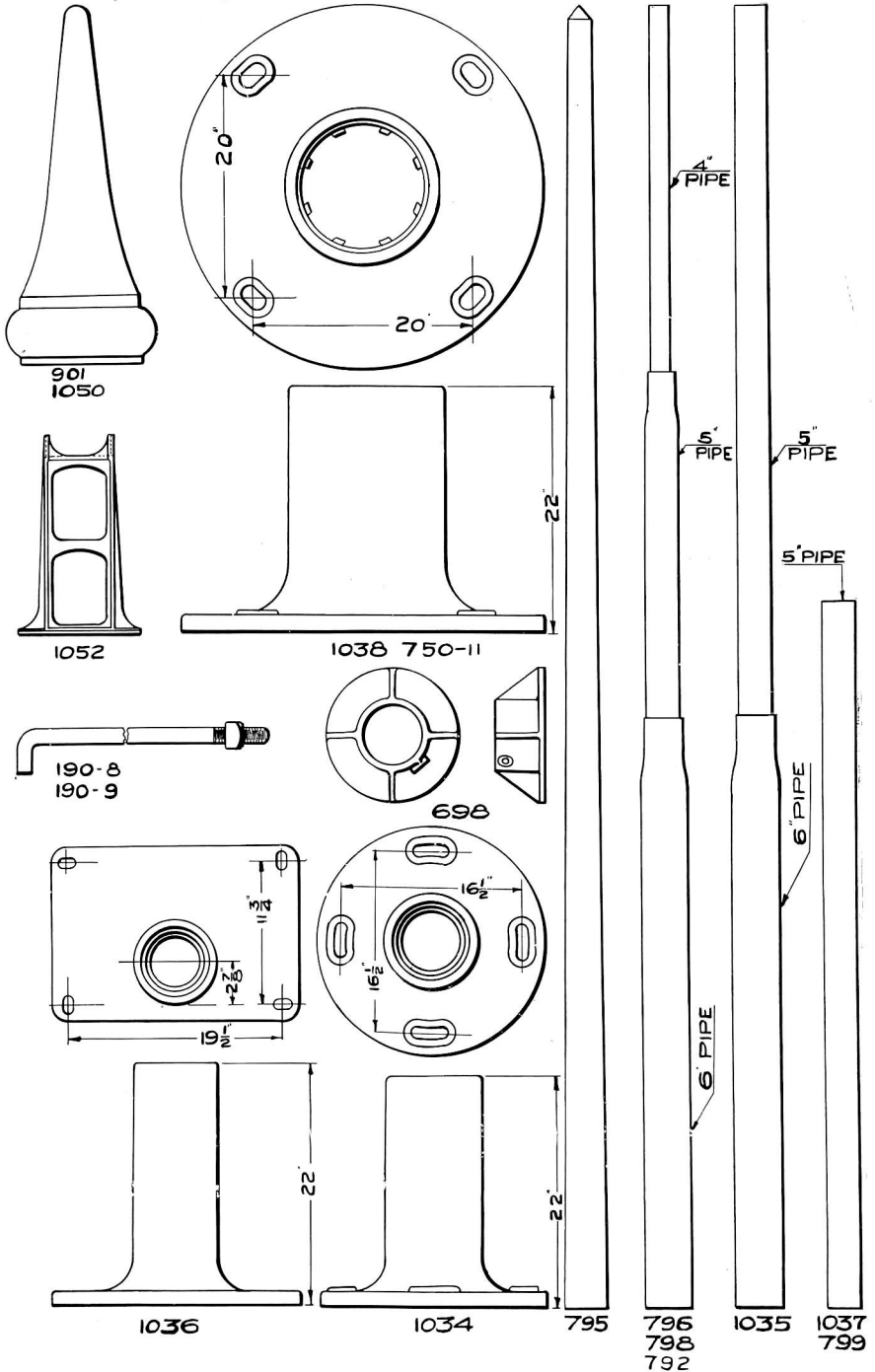
# CATALOGUE AND PRICE LIST

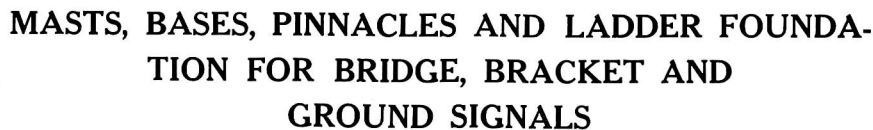
## SECTION R

### MECHANICAL SIGNAL ACCESSORIES

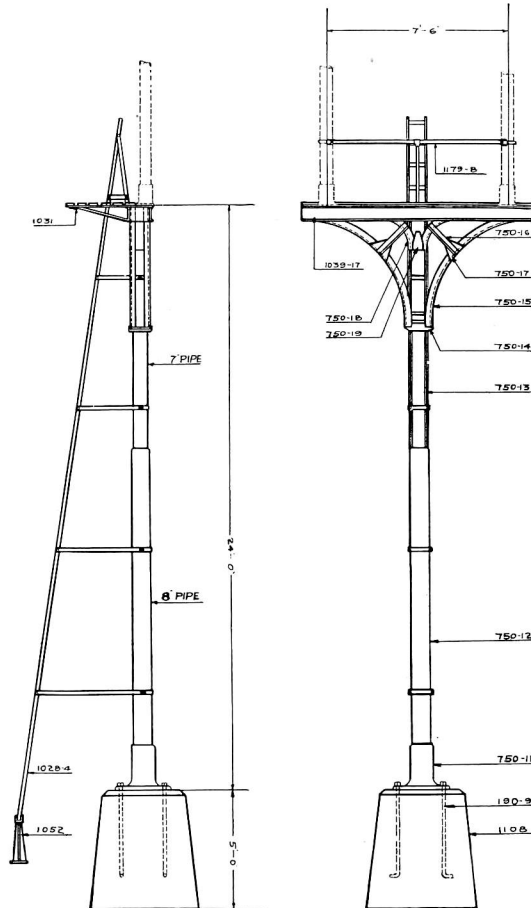
Masts  
Bases  
Pinnacles  
Slots  
Ladders  
Operating Rods  
Semaphore Spectacles  
Semaphore Bearings  
Semaphore Blades  
Balance Levers  
Signal Wheels  
Cantilever Brackets  
Dummy Masts  
Bracket Posts

## MASTS, BASES, PINNACLES AND LADDER FOUNDATION



R-3

## PIPE BRACKET POST



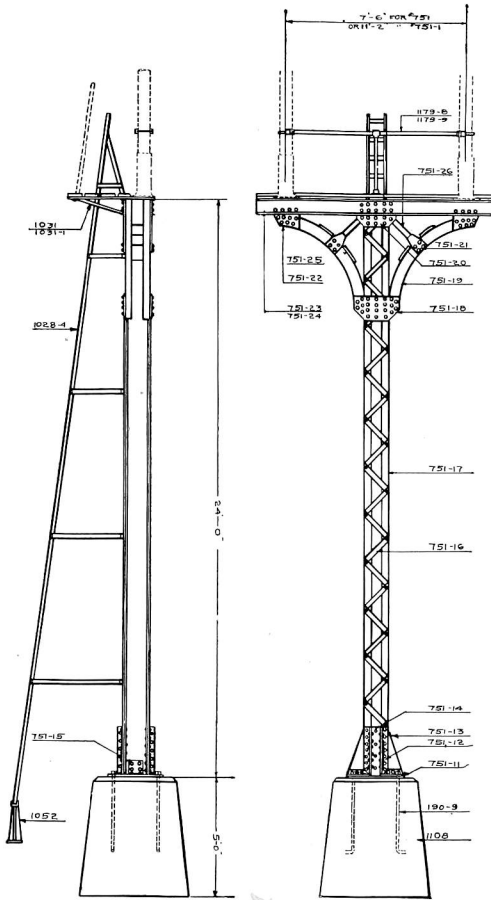
**750**

Trade No.	DESCRIPTION	List Price
750	Bracket Post complete as shown with Ladder and Handrail for Two Signals. ....	.....
750-1	Same as above without Ladder and Handrail. ....	.....

Concrete Foundations are not included in list price.



## COLUMN BRACKET POST

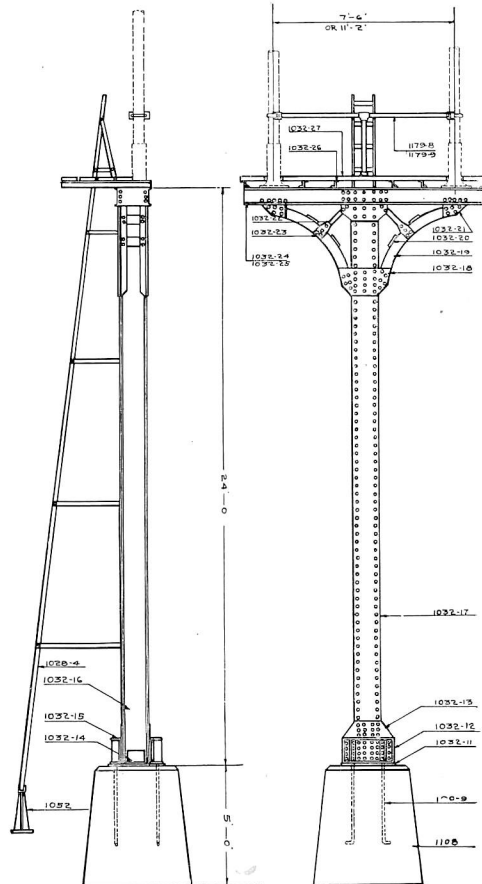


**751**

Trade No.	DESCRIPTION	List Price
751	Bracket Post complete as shown with Ladder and Handrail for Two Signals. ....	.....
751-2	Same as above without Ladder and Handrail. ....	.....
751-1	Bracket Post complete with Ladder and Handrail for Three Signals. ....	.....
751-3	Same as above without Ladder and Handrail. ....	.....

Concrete Foundations are not included in list prices.

## R. S. A. COLUMN BRACKET POST

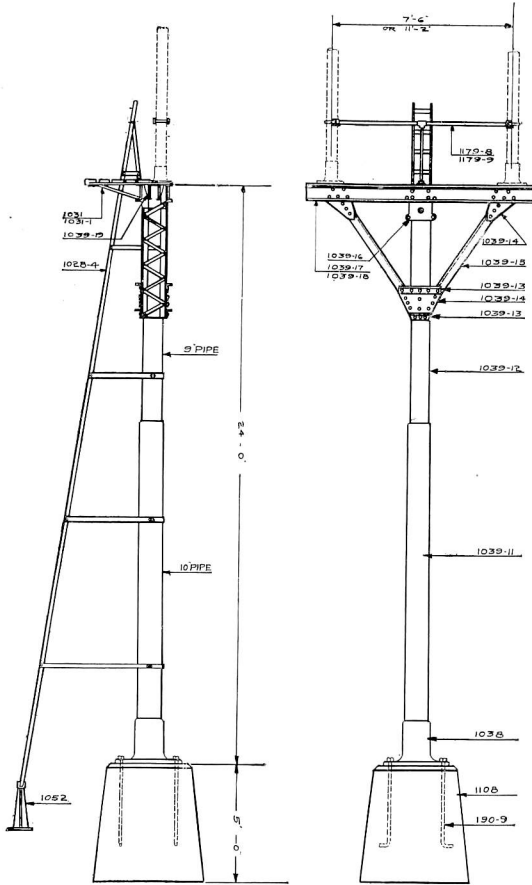


**1032**

Trade No.	DESCRIPTION	List Price
1032	R. S. A. Column Bracket Post complete with Ladder and Handrail for Two Signals.....	.....
1032-2	Same as above without Ladder and Handrail.....	.....
1032-1	R. S. A. Column Bracket Post complete with Ladder and Handrail for Three Signals.....	.....
1032-3	Same as above without Ladder and Handrail.....	.....

Concrete Foundations are not included in list price.

## R. S. A. BRACKET POST

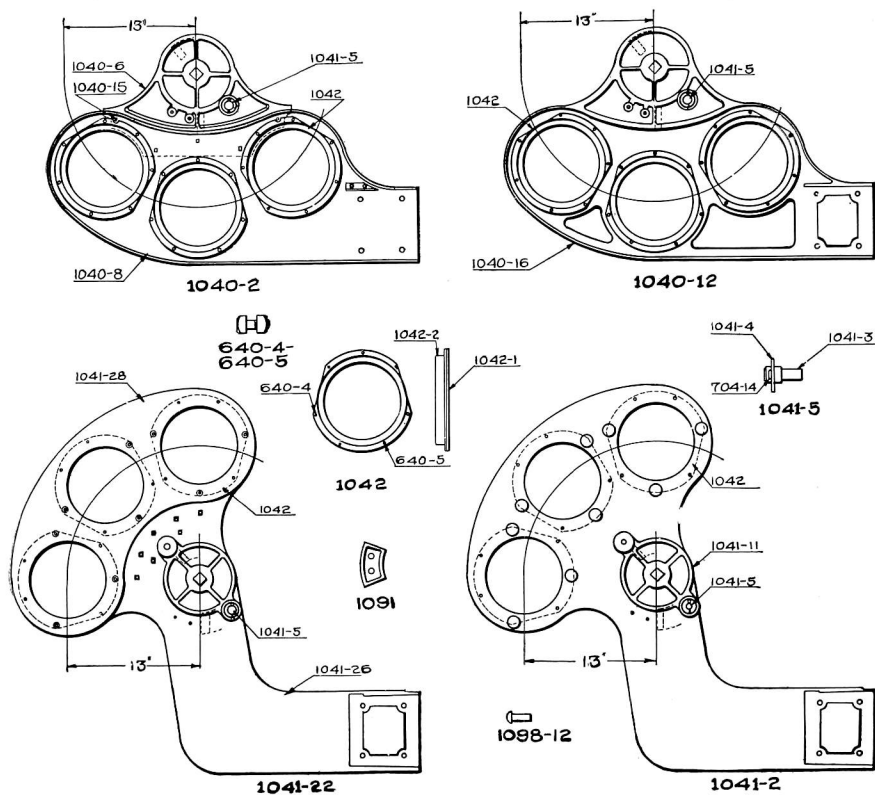


1039

Trade No.	DESCRIPTION	List Price
1039	R. S. A. Bracket Post complete as shown with Ladder and Handrail for Two Signals.....	\$360.00
1039-2	Same as above without Ladder and Handrail.....	333.00
1039-1	R. S. A. Bracket Post complete as shown with Ladder and Handrail for Three Signals.....	405.00
1039-3	Same as above without Ladder and Handrail.....	378.00

Concrete Foundations are not included in list price.

## R. S. A. 90 DEG. UPPER QUADRANT SEMAPHORE SPECTACLES FOR USE WITH GROUND, BRIDGE OR BRACKET SIGNALS

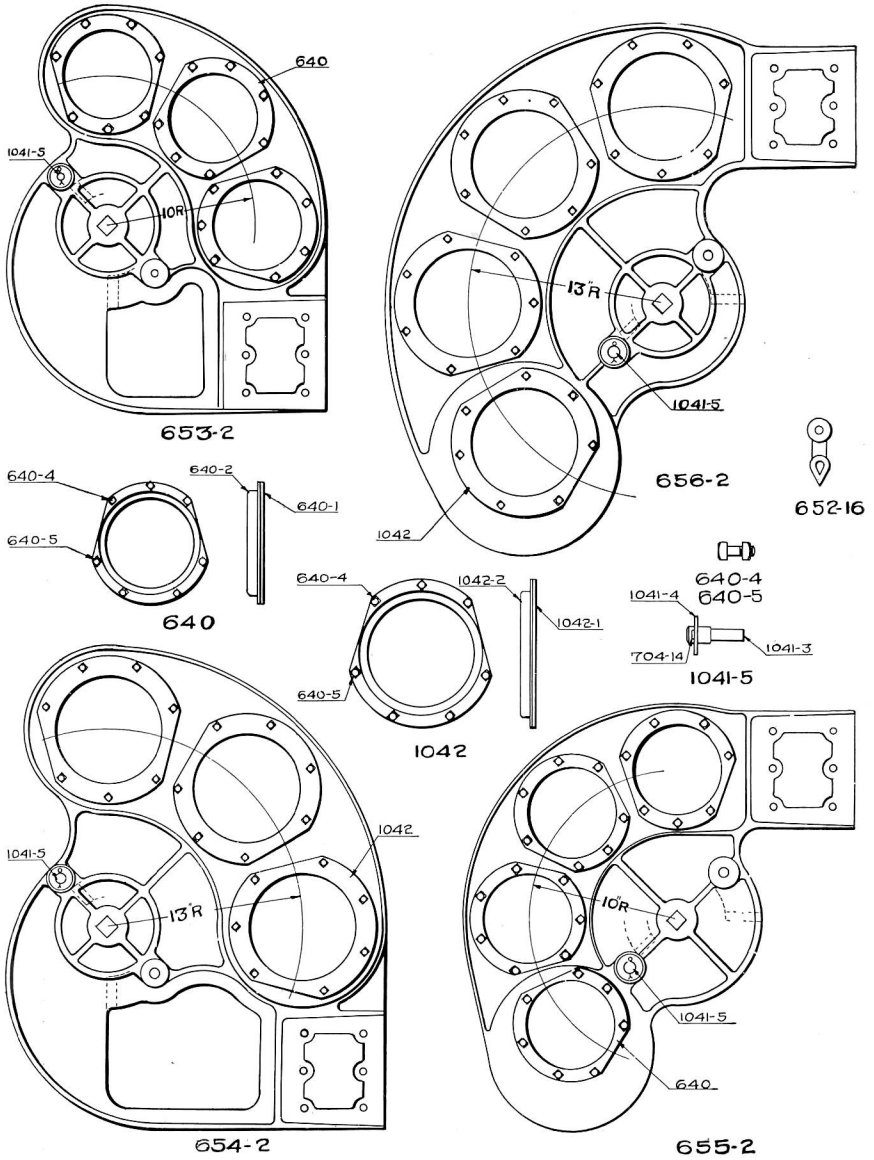




## R. S. A. 90 DEG. UPPER QUADRANT SEMAPHORE SPECTACLES FOR USE WITH GROUND, BRIDGE OR BRACKET SIGNALS

Trade No.	DESCRIPTION	List Price
1040-2	R. S. A. Spectacle, Design "A", 1" Square Hole with Operating Stud, Roundel Rings and Bolts, Stamped Roundel Support	\$17.10
1040-1	Same as above except without Operating Stud.....	16.95
1040-4	“ “ “ with 1¼" Roundel Hole and Operating Stud.....	17.10
1040-12	R. S. A. Spectacle, Design "A", 1" Square Hole with Operating Stud, Roundel Rings and Bolts, Cast Spectacle.....	15.30
1040-11	Same as above except without Operating Stud.....	15.15
1040-14	“ “ “ with 1¼" Round Hole and Operating Stud.....	15.30
1041-2	R. S. A. Spectacle, Design "B", 1" Square Hole with Operating Stud, Roundel Rings and Bolts, Cast Spectacle.....	16.20
1041-1	Same as above without Operating Stud.....	16.05
1041-7	“ “ “ with 1¼" Round Hole and Operating Stud .	16.20
1041-22	R. S. A. Spectacle, Design "B", 1" Square Hole with Operating Stud, Roundel Rings and Bolts, Stamped Spectacle .	18.00
1041-21	Same as above without Operating Stud.....	17.85
1041-24	“ “ “ except with 1¼" Round Hole and Operating Stud.....	18.00
1040-6	Spectacle Bearing, 1" Square Hole, Design "A", Stamped Spectacle.....	4.05
1040-7	Spectacle Bearing, 1¼" Round Hole, Design "A", Stamped Spectacle.....	4.05
1040-8	Roundel Support, Design "A".....	10.80
1040-15	¾" x 7/8" Square Head Machine Bolt with Hexagon Nut....	.04
1040-16	Cast Spectacle, 1" Square Hole, Design "A".....	13.35
1040-17	“ “ 1¼" Round Hole, Design "A".....	13.35
1041-11	“ “ 1" Square Hole, Design "B".....	14.25
1041-12	“ “ 1¼" Round Hole, Design "B".....	14.25
1041-26	Spectacle Bearing, Design "B", 1" Square Hole, Stamped Spectacle.....	4.95
1041-27	Spectacle Bearing, Design "B", 1¼" Round Hole, Stamped Spectacle.....	4.95
1041-28	Roundel Support, Design "B".....	10.80
1041-5	Operating Stud, complete with Washer and Cotter.....	.15
1041-4	Washer Only.....	.02
704-14	¾" x 1½" Cotter Pin, per C.....	.90
1091	Filler Block for limiting Travel Arms from 45 deg. to 90 deg. or for fixing Arms in 45 deg. position.....	.23
1098-12	¾" x 1½" R. H. I. Rivets.....	.02
1042	R. S. A. Roundel Ring, complete with Bolts, 8¾" Roundels	.60
1042-1	Flat Ring.....	.18
1042-2	Cup “.....	.21
640-4	¼" x 5/8" Square Head Machine Bolts and Nuts.....	.03
640-5	¼" x 3/4" “ “ “ “.....	.03

## SEMAPHORE SPECTACLES FOR TRAIN ORDER SIGNALS



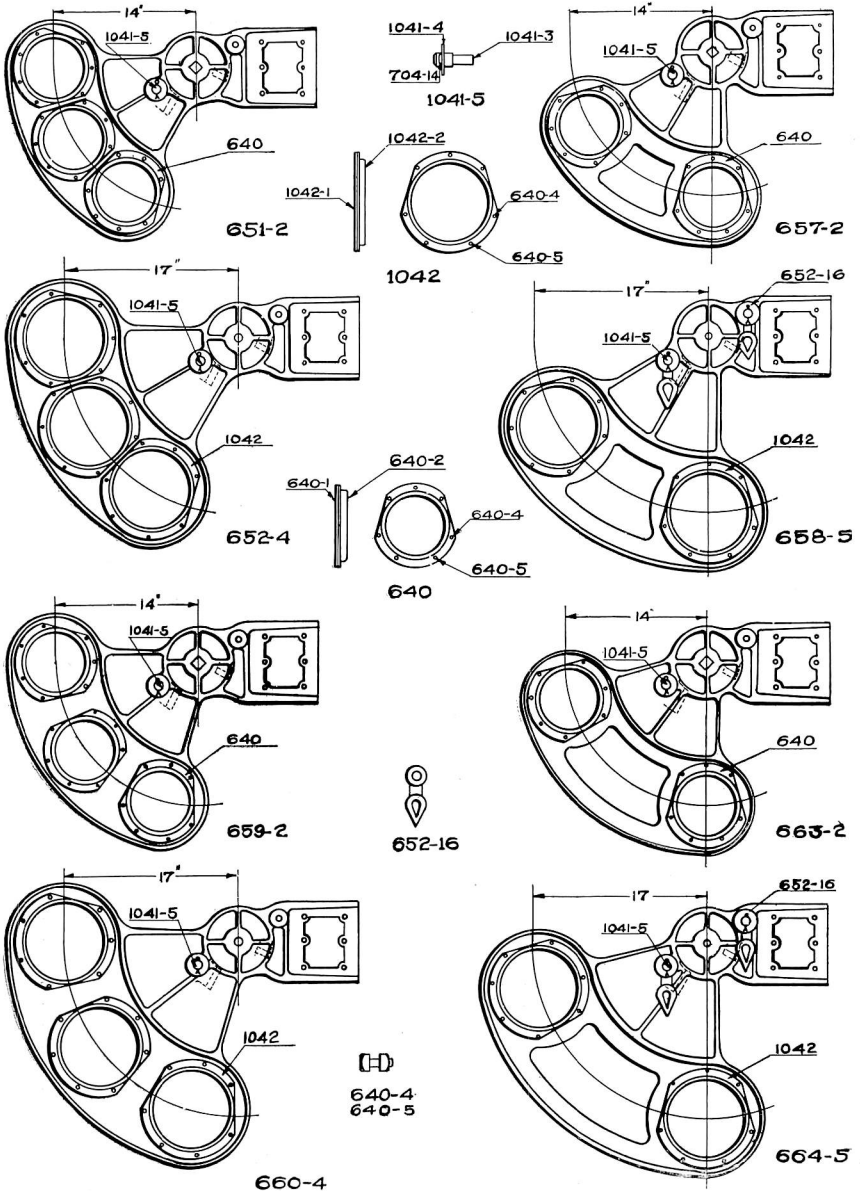


## SEMAPHORE SPECTACLES FOR TRAIN ORDER SIGNALS

Trade No.	DESCRIPTION	List Price
653-2	Three Light 90 deg. Semaphore Spectacle complete as shown with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 6½" Roundels.	\$14.55
653-4	Same as above except with 1¼" Round Hole.	14.55
653-5	Two Operating Studs and Two Combination Shackle and Wire eyes.	14.91
654-2	Three Light 90 deg. Semaphore Spectacle complete as shown with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 8¾" Roundels.	15.30
654-4	Same as above except with 1¼" Round Hole.	15.30
654-5	Two Operating Studs and Two Combination Shackles and Wire Eyes.	15.66
655-2	Four Light 90 deg. Universal Semaphore Spectacle complete as shown with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 6½" Roundels.	11.70
655-4	Same as above except with 1¼" Round Hole.	11.70
655-5	Two Operating Studs and Two Combination Shackles and Wire Eyes.	12.06
656-2	Four Light 90 deg. Universal Semaphore Spectacle complete as shown with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 8¾" Roundels.	12.70
656-4	Same as above except with 1¼" Round Hole.	12.70
656-5	complete with Two Operating Studs and Two Combination Shackles and Wire Eyes.	13.05
1041-5	Operating Stud with Washer and Cotter.	.15
1041-4	Washer Only.	.02
704-14	3/8" x 1½" Cotter Pins, per C.	.90
1042	R. S. A. Roundel Rings complete with Bolts and Nuts, 8¾" Roundels.	.60
1042-1	Flat Ring for above.	.18
1042-2	Cup " " "	.21
640	Roundel Rings complete with Bolts, 6½" dia.	.60
640-1	Flat Ring for above.	.18
640-2	Cup " " "	.21
640-4	¼" x 5/8" Square Head Machine Bolts and Nuts.	.03
640-5	¼" x 3/4" " " " " " "	.03
652-16	Combination Shackle and Wire Eye.	.11

Glass is not included in above prices. Roundels, if desired, must be ordered separately.

## 60 DEG. AND 75 DEG. LOWER QUADRANT SEMAPHORE SPECTACLES







## 60 DEG. AND 75 DEG. LOWER QUADRANT SEMAPHORE SPECTACLES

Trade No.	DESCRIPTION	List Price
651-2	Three Light 60 deg. Semaphore Spectacle complete as shown with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 6½" Roundels.	\$7.74
651-4	Same as above except with 1" Round Hole.	7.74
651-5	Three Light 60 deg. Semaphore Spectacle complete with Two Operating Studs, Roundel Rings, Bolts and Combination Shackles and Wire Eyes, 1¼" Round Hole, 6½" Roundels	8.00
652-2	Three Light 60 deg. Semaphore Spectacle complete with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 8¾" Roundels.	8.46
652-4	Same as above except with 1" Round Hole as shown.	8.46
652-5	Three Light 60 deg. Semaphore Spectacle complete with Two Operating Studs, Roundel Rings, Bolts and Two Combination Shackles and Wire Eyes, 1¼" Round Hole, 8¾" Roundels.	8.72
657-2	Two Light 60 deg. Semaphore Spectacle complete as shown with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 6½" Roundels.	7.74
657-4	Same as above except with 1" Round Hole.	7.74
657-5	Two Light 60 deg. Semaphore Spectacle complete with Two Operating Studs, Roundel Rings, Bolts and Two Combination Shackles and Wire Eyes, 1¼" Round Hole, 8¾" Roundels.	8.00
658-2	Two Light 60 Deg. Semaphore Spectacle complete with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 8¾" Roundels.	8.46
658-4	Same as above except with 1" Round Hole.	8.46
658-5	Two Light 60 deg. Semaphore Spectacle complete as shown with Two Operating Studs, Roundel Rings, Bolts, Two Combination Shackles and Wire Eyes, 1¼" Round Hole for 8¾" Roundels.	8.72
1041-5	Operating Stud with Washer and Cotter.	.15
1041-4	Washer Only.	.02
704-14	⅜" x 1½" Cotter Pins, per C.	.90
1042	R. S. A. Roundel Ring complete with Bolts, 8¾" dia.	.60
1042-1	Flat Ring.	.18
1042-2	Cup	.21
640	Roundel Ring complete with Bolts, 6½" Roundels.	.60
640-1	Flat Ring.	.18
640-2	Cup	.21
640-4	¼" x ⅝" Square Head Machine Bolts and Nuts.	.03
640-5	¼" x ¾"	.03
652-16	Combination Shackle and Wire Eye.	.11

Glass is not included in above prices. Roundels, if desired, must be ordered separately.

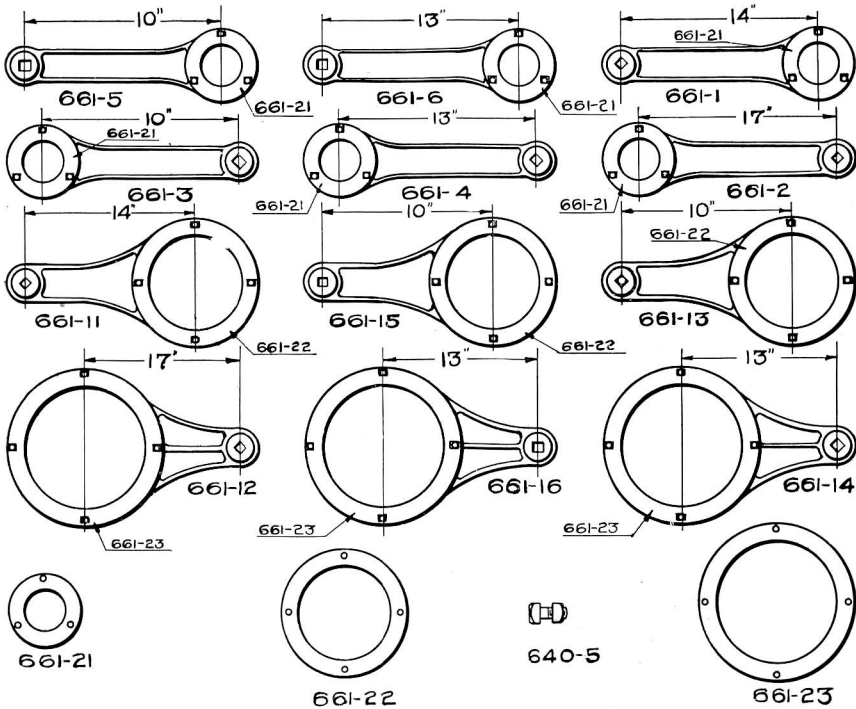


## 60 DEG. AND 75 DEG. LOWER QUADRANT SEMAPHORE SPECTACLES

Trade No.	DESCRIPTION	List Price
659-2	Three Light 75 deg. Semaphore Spectacle complete as shown with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 6½" Roundels.....	\$7.74
659-4	Same as above except with 1" Round Hole.....	7.74
659-5	Three Light 75 deg. Semaphore Spectacle complete with Two Operating Studs, Roundel Rings, Bolts and Two Combination Shackles and Wire Eyes, 1¼" Round Hole, 6½" Roundels.....	8.00
660-2	Three Light 75 deg. Semaphore Spectacle complete with Operating Stud, Roundel Rings and Bolts with 1" Square Hole, 8¾" Roundels.....	8.46
660-4	Same as above with 1" Round Hole as shown.....	8.46
660-5	Three Light 75 deg. Semaphore Spectacle complete with Two Operating Studs, Roundel Rings, Bolts and Two Combination Shackles and Wire Eyes, 1¼" Round Hole, 8¾" Roundels.....	8.72
663-2	Two Light 75 deg. Semaphore Spectacle complete as shown with Operating Stud, Roundel Rings and Bolts, 1" Square Hole, 6½" Roundels.....	7.74
663-4	Same as above except with 1" Round Hole.....	7.74
663-5	Two Light 75 deg. Semaphore Spectacle complete with Two Operating Studs, Roundel Rings, Bolts and Two Combination Shackles and Wire Eyes, 1¼" Round Hole, 6½" Roundels.....	8.00
664-2	Two Light 75 deg. Semaphore Spectacle complete with Operating Stud, Roundel Rings and Bolts with 1" Square Hole, 8¾" Roundels.....	8.46
664-4	Same as above except with 1" Round Hole.....	8.46
664-5	Two Light 75 deg. Semaphore Spectacle complete as shown with Two Operating Studs, Roundel Rings, Bolts and Two Combination Shackles and Wire Eyes, 1¼" Round Hole, 8¾" Roundels.....	8.72

Glass is not included in above prices. Roundels, if desired, must be ordered separately.

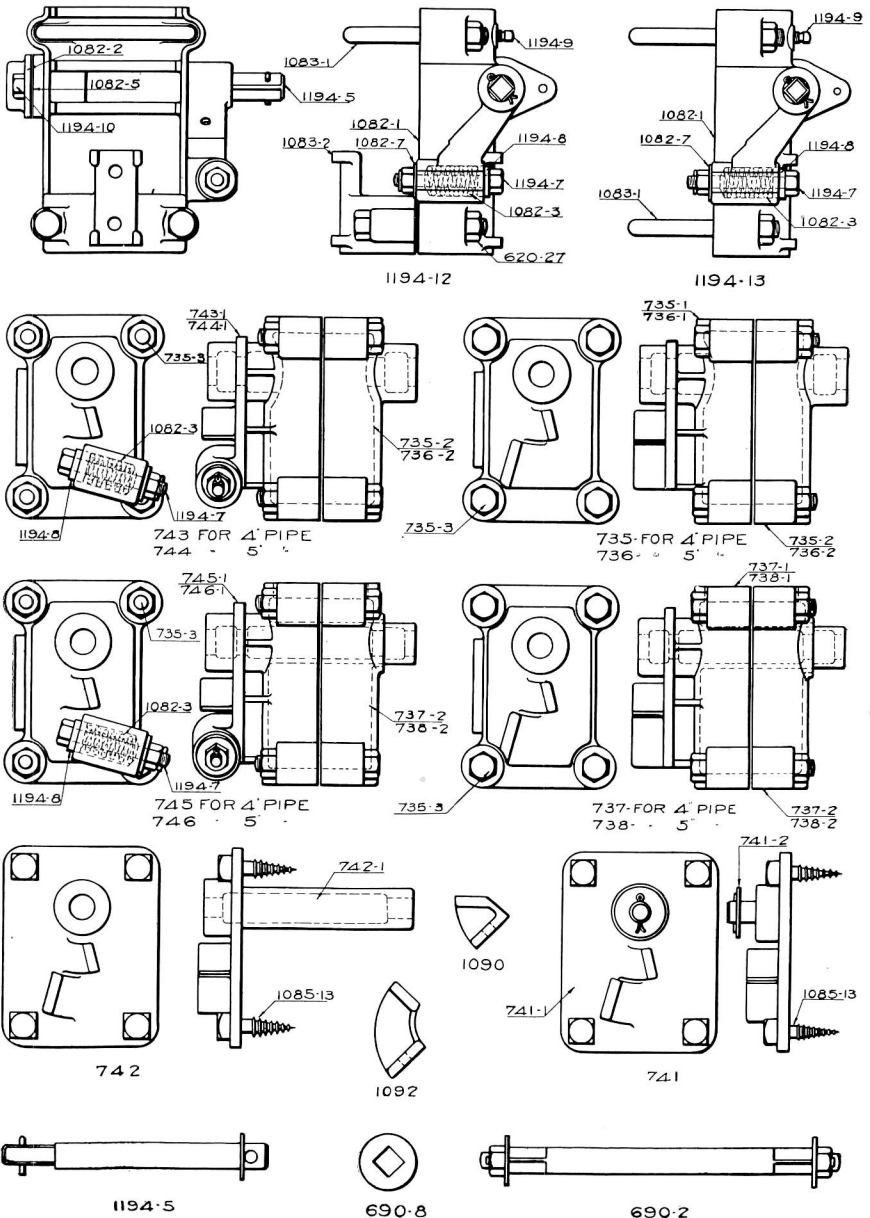
## BACK SPECTACLES FOR GROUND, BRIDGE AND BRACKET SIGNALS



Trade No.	DESCRIPTION	List Price
661-3	Back Spectacle complete with Roundel Rings and Bolts, for use with 653 and 655 Spectacles, 3" Roundels.....	\$1.26
661-13	Same as above except for 6 1/2" Roundels.....	1.35
661-5	Back Spectacle complete with Roundel Rings and Bolts, for use with 655 Spectacle, 3" Roundel.....	1.26
661-15	Same as above except for 6 1/2" Roundel.....	1.35
661-4	Back Spectacle complete with Roundel Rings and Bolts, for use with 654, 656 and 1041 Spectacle, 3" Roundel.....	1.26
661-14	Same as above except for 8 3/8" Roundel.....	1.98
661-6	Back Spectacle complete with Roundel Rings and Bolts, for use with 656 and 1040 Spectacle, 3" Roundel.....	1.26
661-16	Same as above except for 8 3/8" Roundel.....	1.98
661-1	Back Spectacle complete with Roundel Rings and Bolts, for use with 651, 657, 659 and 663 Spectacle, 3" Roundel.....	1.26
661-11	Same as above except for 6 1/2" Roundel.....	1.44
661-2	Back Spectacle complete with Roundel Ring and Bolts, for use with 652, 658, 660 and 664 Spectacle, 3" Roundel.....	1.26
661-12	Same as above except for 8 3/8" Roundels.....	1.98
661-21	Roundel Ring, Sheet Steel.....	.13
661-22	" " " ".....	.18
661-23	" " " ".....	.18
640-5	1/4" x 3/4" Square Head Machine Bolt and Nut for fastening Sheet Steel Ring to Spectacle.....	.03

Glass is not included in above prices. Roundels, if desired, must be ordered separately.

## SEMAPHORE BEARINGS FOR GROUND, BRIDGE OR BRACKET SIGNALS



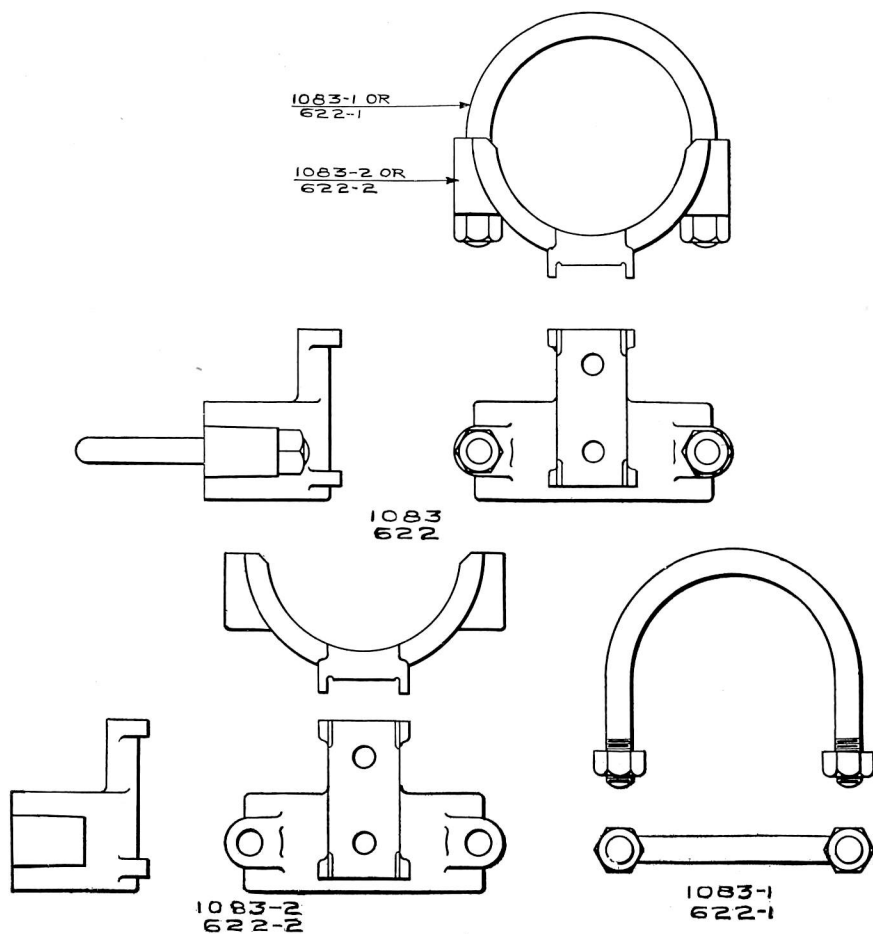




## SEMAPHORE BEARINGS FOR GROUND, BRIDGE OR BRACKET SIGNALS

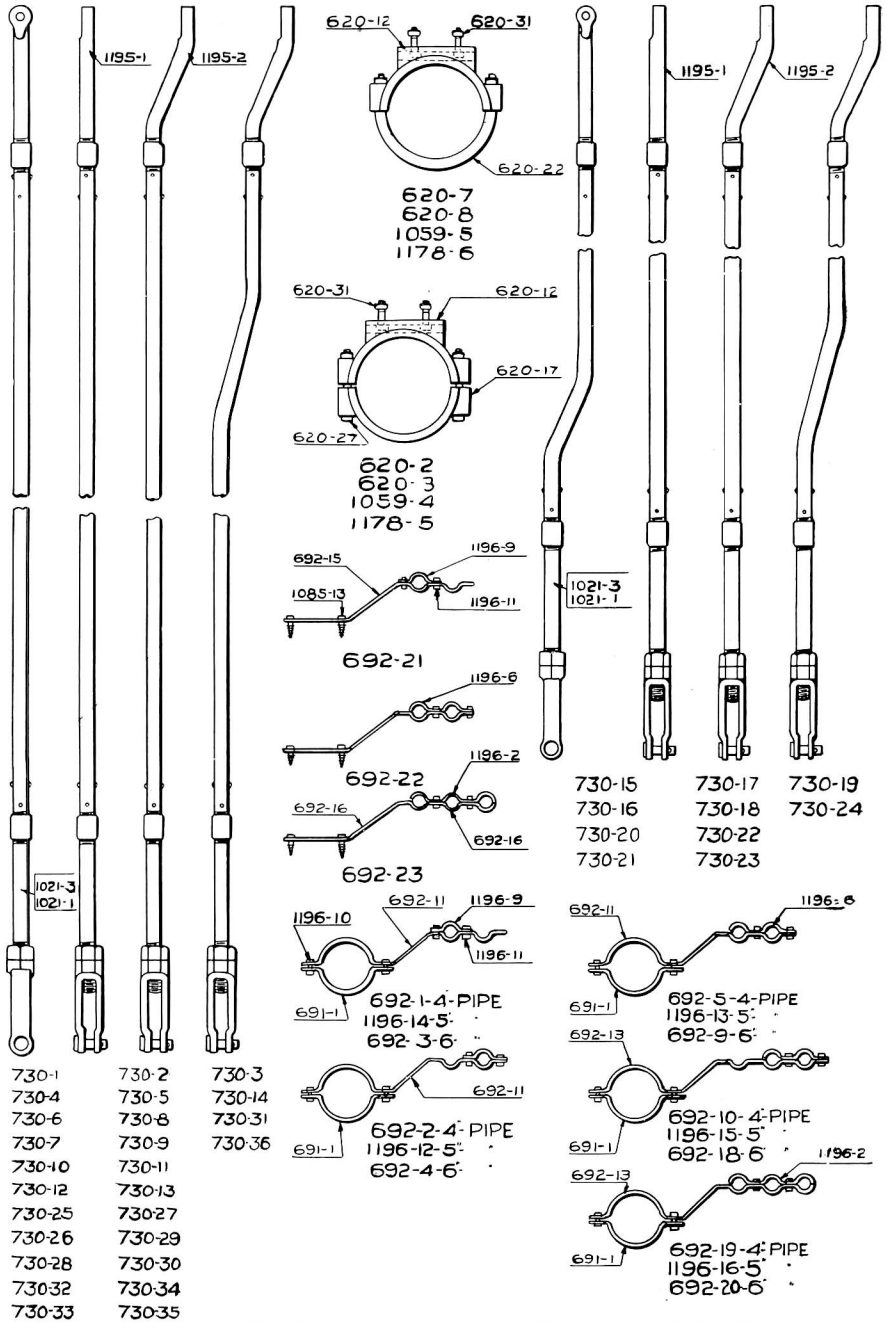
Trade No.	DESCRIPTION	List Price
690-2	Semaphore Shaft 1" Square, for use with Back Spectacle. . . .	\$2.70
1083-1	U Bolt for 5" Pipe. . . . .	.81
1083-2	Clamp " 5" " . . . . .	1.44
622-1	U Bolt " 4" " . . . . .	.81
622-2	Clamp " 4" " . . . . .	1.44
620-27	$\frac{3}{4}$ " x 5 $\frac{1}{2}$ " Hexagon Head Machine Bolts and Nuts for fasten- ing Clamp to R. S. A. Semaphore Bearing. . . . .	.18
1194-10	$\frac{1}{2}$ " x 1" Hexagon Head Cap Screws. . . . .	.04
1194-9	$\frac{1}{2}$ " x 1 $\frac{1}{4}$ " Square Head Set Screw. . . . .	.04
1082-7	$\frac{5}{8}$ " Standard Washer. . . . .	.02
735-3	$\frac{3}{4}$ " x 5" Square Head Machine Bolts and Nuts for fastening Semaphore Bearings. . . . .	.18
735-1	Semaphore Bearing (Front Half Only), for 4" Pipe Lower Quadrant Spectacle. . . . .	2.25
736-1	Same as above except for 5" Pipe. . . . .	2.25
747-1	" " " " 4" " and Upper Quadrant Spec- tacles. . . . .	2.25
748-1	Same as above except for 5" Pipe and Upper Quadrant Spec- tacles. . . . .	2.25
743-1	Semaphore Bearing (Front Half Only), for 4" Pipe, Lower Quadrant Spectacles. . . . .	2.70
744-1	Same as above except for 5" Pipe. . . . .	2.70
749-1	" " " " 4" " and Upper Quadrant Spec- tacles. . . . .	2.70
760-1	Same as above except for 5" Pipe and Upper Quadrant Spec- tacles. . . . .	2.70
737-1	Semaphore Bearing (Front Half Only), for 4" Pipe Lower Quadrant Spectacles. . . . .	2.40
738-1	Same as above except for 5" Pipe. . . . .	2.40
761-1	" " " " 4" " and Upper Quadrant Spec- tacles. . . . .	2.40
762-1	Same as above except for 5" Pipe and Upper Quadrant Spec- tacles. . . . .	2.40
745-1	Semaphore Bearing (Front Half Only), for 4" Pipe and Lower Quadrant Spectacles. . . . .	2.85
746-1	Same as above except for 5" Pipe. . . . .	2.85
739-1	" " " " 4" " and Upper Quadrant Spec- tacle. . . . .	2.85
740-1	Same as above except for 5" Pipe and Upper Quadrant Spec- tacles. . . . .	2.85
735-2	Semaphore Bearing (Rear Half Only), for No. 735, 747, 743 and 749 Bearing. . . . .	1.67
736-2	Semaphore Bearing (Rear Half Only), for 736, 748, 744 and 760 Bearing. . . . .	1.67
737-2	Semaphore Bearing (Rear Half Only), of No. 737, 761, 745 and 739 Bearing. . . . .	1.67
738-2	Same as above except for 738, 762, 746 and 740 Bearing. . . . .	1.67
1090	R. S. A. Filler Block, used to limit travel of Signal Blade from 0 to 45 deg. and also used in connection with R. S. A. 1091 Filler Block for fixing Signal in the 45 deg. position. . . . .	.14
1092	R. S. A. Filler Block, used for fixing Signal Arm in 0 deg. " . . . .	.18
1196-10	$\frac{1}{2}$ " x 1 $\frac{1}{2}$ " Square Head Machine Bolt and Nut for Filler Block. . . .	.05
690-8	Collar used when Back Spectacle is not required. . . . .	.09
741	Bearing for Wood Post complete with Stud and Lag Screws. . . . .	1.60
742	Horn Bearing for Wood Post complete with Lag Screws. . . . .	1.76

## LAMP BRACKET HOLDER



Trade No.	DESCRIPTION	List Price
1083	<b>R. S. A. Lamp Bracket Holder</b> complete as shown for 5" Pipe	\$2.03
622	Same as above except for 4" Pipe	2.03
1083-1	U Bolt with $\frac{3}{4}$ " Hexagon Nuts for 1083 Lamp Bracket Holder for 5" Pipe	.81
622-1	Same as above except for 4" Pipe	.81
1083-2	<b>R. S. A. Lamp Bracket Holder</b> Only for 5" Pipe	1.44
622-2	Same as above except for 4" Pipe	1.44

## OPERATING RODS, PIPE GUIDES AND CLAMPS FOR GROUND, BRIDGE OR BRACKET SIGNALS







## OPERATING RODS, PIPE GUIDES AND CLAMPS FOR GROUND, BRIDGE AND BRACKET SIGNALS

Trade No.	DESCRIPTION	List Price
730-1	Operating Rod complete as shown for 90 deg. Pipe Operated Bridge and Bracket Signals, 3' 8½" long .....	\$3.60
730-10	Same as above except 9' 8½" long .....	4.50
730-4	Same as above except 10' 8½" long .....	4.50
730-11	Operating Rod complete as shown for 90 deg. Pipe Operated Bridge and Bracket Signals, Offset Eye Rod, 9' 8½" long ..	4.50
730-2	Same as above except 10' 8½" long .....	4.50
730-5	Same as above except 16' 8½" long .....	5.40
730-3	Operating Rod complete as shown for 90 deg. Pipe Operated Bridge and Bracket Signals, Offset Pipe and Eye Rod, 16' 8½" long .....	5.40
730-25	Operating Rod complete as shown for 90 deg. Wire Operated Bridge and Bracket Signals, 3' 2" long .....	3.60
730-28	Same as above except 9' 2" long .....	4.50
730-26	Same as above except 10' 2" long .....	4.50
730-30	Operating Rod complete as shown for 90 deg. Wire Operated Bridge and Bracket Signals, Offset Eye Rod, 9' 2" long ..	4.50
730-27	Same as above except 10' 2" long .....	4.50
730-29	Same as above except 16' 2" long .....	5.40
730-31	Offset in Pipe .....	5.40
730-15	Operating Rod complete as shown for 60 deg. Pipe Operated Bridge and Bracket Signals, 6' 10" long .....	4.50
730-16	Same as above except 13' 4" long .....	4.95
730-17	Operating Rod complete as shown for 60 deg. Pipe Operated Bridge and Bracket Signal, Offset Eye Rod, 13' 4" long ..	5.40
730-18	Same as above excepting 19' 10" long .....	5.85
730-19	Offset in Pipe .....	6.30
730-20	Operating Rod complete as shown for 60 deg. Wire Operated Bridge and Bracket Signal, 6' 3½" long .....	4.50
730-21	Same as above except 12' 9½" long .....	4.95
730-22	Operating Rod complete as shown for 60 deg. Wire Operated Bridge and Bracket Signal, Offset Eye Rod, 12' 9½" long ..	5.40
730-23	Same as above except 19' 3½" long .....	5.85
730-24	Offset in Pipe .....	6.30
730-6	Operating Rod complete as shown for 90 deg. Ground Signal, 22' 6" long .....	7.20
730-12	Same as above except 28' 6" long .....	8.10
730-7	Same as above except 29' 6" long .....	8.10
730-13	Operating Rod complete as shown for 90 deg. Ground Signal with Offset Eye Rod, 28' 6" long .....	8.10
730-8	Same as above except 29' 6" long .....	8.10
730-9	Same as above except 35' 6" long .....	9.45
730-14	Offset in Pipe .....	9.45
730-32	Operating Rod complete as shown for 60 deg. Ground Signal, 25 feet long .....	7.20
730-33	Same as above except 32 feet long .....	7.65

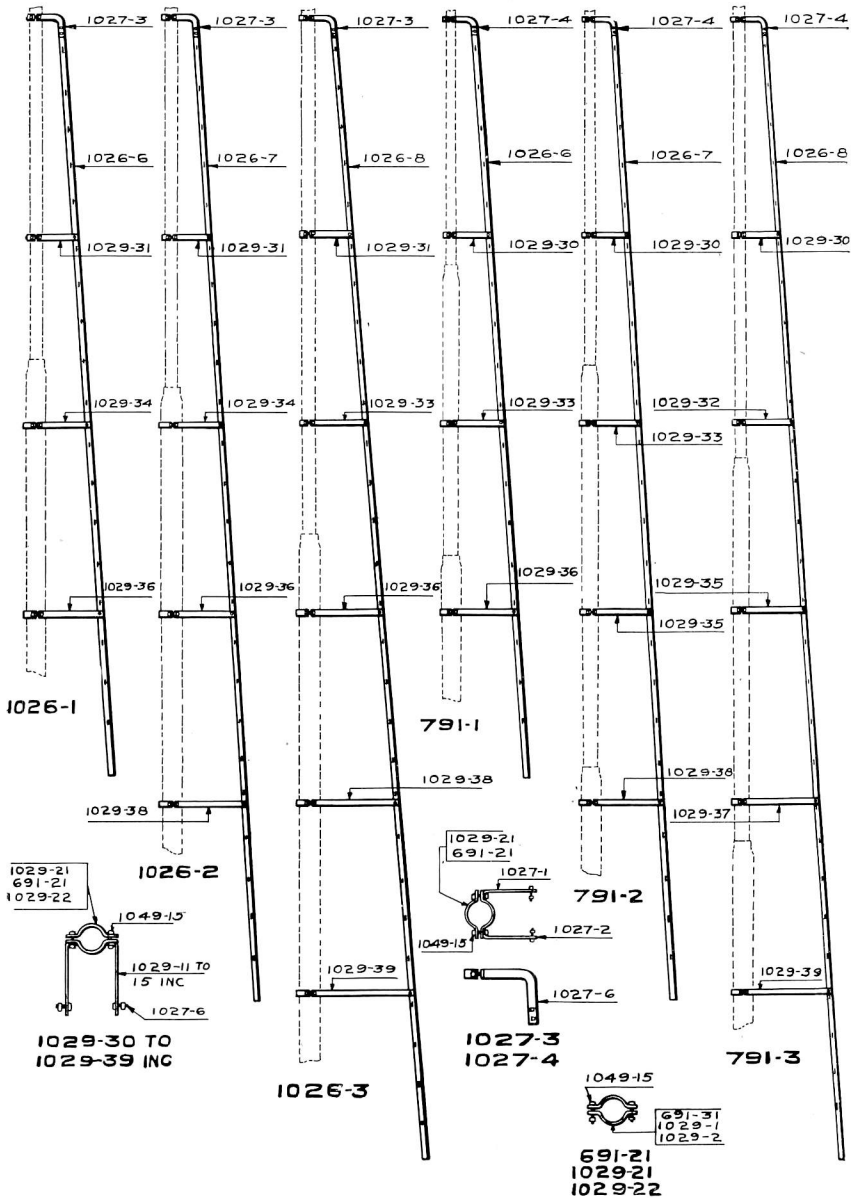


## OPERATING RODS, PIPE GUIDES AND CLAMPS FOR GROUND, BRIDGE AND BRACKET SIGNALS

Trade No.	DESCRIPTION	List Price
730-34	Operating Rod complete as shown for 60 deg. Ground Signal with Offset Eye Rod, 32 feet long .....	\$8.10
730-35	Same as above except 38 feet long .....	8.80
730-36	“ “ “ “ Offset in Pipe .....	9.45
692-1	Pipe Guide, One Way, complete as shown for 4" Pipe .....	1.49
1196-14	Same as above except for 5" Pipe .....	1.49
692-3	“ “ “ “ 6" Pipe .....	1.53
692-2	Pipe Guide, One Way, complete as shown for 4" Pipe .....	1.49
1196-12	Same as above except for 5" Pipe .....	1.49
692-4	“ “ “ “ 6" Pipe .....	1.53
692-5	Pipe Guide, Two Way, complete as shown for 4" Pipe .....	1.76
1196-13	Same as above except for 5" Pipe .....	1.76
692-9	“ “ “ “ 6" Pipe .....	1.80
692-10	Pipe Guide, Two Way, complete as shown for 4" Pipe .....	1.76
1196-15	Same as above except for 5" Pipe .....	1.76
692-18	“ “ “ “ 6" Pipe .....	1.80
692-19	Pipe Guide, Three Way, complete as shown for 4" Pipe .....	2.03
1196-16	Same as above except for 5" Pipe .....	2.03
692-20	“ “ “ “ 6" Pipe .....	2.07
692-21	Pipe Guide, One Way, for Wood Post, complete as shown .....	1.45
692-24	Same as above except with Cap on Outer Guide .....	1.45
692-22	Pipe Guide, Two Way, for Wood Post, complete as shown ..	1.71
692-23	“ “ “ “ Three “ “ “ “ “ “ “ “ ..	1.98
692-25	Same as above except with Two Way Pipe Guide Cap .....	1.98
620-2	Clamp for Crank Stands or Balance Lever Stands complete as shown with Back Half, Bolts and Bolts for fastening Stand for 5" Pipe .....	2.34
620-3	Same as above except for 6" Pipe .....	2.34
1059-4	“ “ “ “ “ 1034 Ground Signal Base .....	2.95
1178-5	“ “ “ “ “ 1036 Bridge and Bracket Base ...	2.95
620-7	Clamp for Crank Stands, Balance Lever Stands complete as shown with U Bolt and Bolts for fastening Stand for 5" Pipe .....	2.34
620-8	Same as above except for 6" Pipe .....	2.34
1059-5	“ “ “ “ “ 1034 Ground Signal Base .....	2.95
1178-6	“ “ “ “ “ 1036 Bridge or Bracket Base ...	2.95
1021-1	R. S. A. Screw Jaw complete with Pin and Cotter Forged Jaw	2.21
1021-3	Same as above except with Malleable Jaw .....	1.89
1033-1	R. S. A. Jaw Pin $\frac{7}{8}$ " x $2\frac{1}{4}$ " with Cotter .....	.11
1195-1	“ “ “ “ Straight Eye Rod, Tang End .....	1.53
1195-2	“ “ “ “ Offset .....	2.34
1015-6	1" Galvanized Pipe with Plug Sleeve and Rivets R. S. A. (specify length), per ft. ....	.....
1015-7	1" Black Pipe with Plug Sleeve and Rivets (specify length), per ft. ....	.....
1015-1	Pipe Plug for 1" Pipe .....	.22
1015-2	1" x $2\frac{1}{4}$ " Coupling, Black .....	.27
1015-3	1" x $2\frac{1}{4}$ " “ Galvanized .....	.32
1015-4	$\frac{1}{4}$ " x $1\frac{1}{8}$ " Rivets, Galvanized, per C. ....	.13
1015-5	$\frac{1}{4}$ " x $1\frac{1}{8}$ " “ Black, per C. ....	.54



## LADDERS FOR 90 DEG. UPPER QUADRANT GROUND SIGNALS

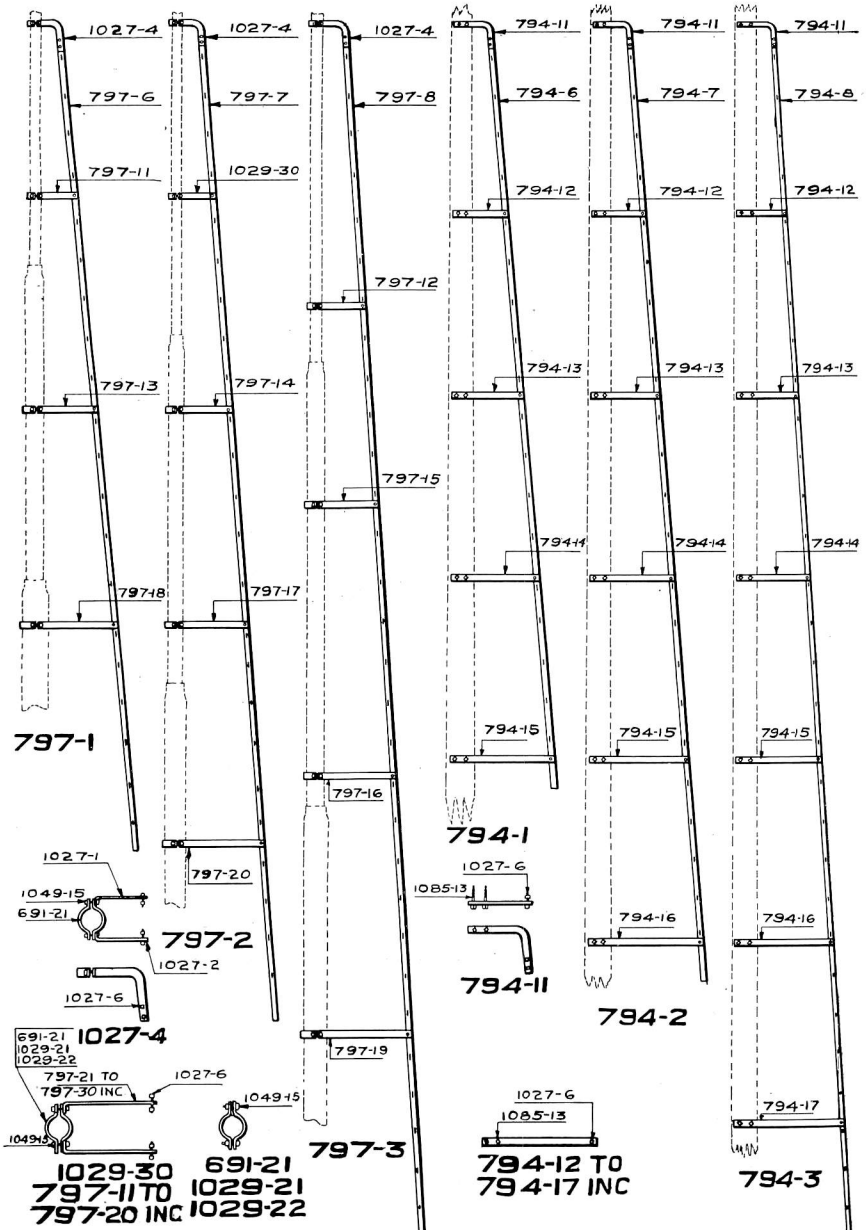




## LADDERS FOR 90 DEG. UPPER QUADRANT GROUND SIGNALS

Trade No.	DESCRIPTION	List Price
1026-1	R. S. A. Ladder for Ground Signals, complete with Top Pieces, Stays, Clamps and Bolts, 24 feet long . . . . .	\$20.70
1026-2	R. S. A. Ladder for Ground Signals, complete with Top Pieces, Stays, Clamps and Bolts, 30' 10" long . . . . .	27.00
1026-3	R. S. A. Ladder for Ground Signals, complete with Top Pieces, Stays, Clamps and Bolts, 36' 10" long . . . . .	33.30
791-1	Ladder for Ground Signals, complete with Top Pieces, Stays, Clamps and Bolts, 24 feet long . . . . .	20.70
791-2	Ladder for Ground Signals, complete with Top Pieces, Stays, Clamps and Bolts, 30' 10" long . . . . .	27.00
791-3	Ladder for Ground Signals, complete with Top Pieces, Stays, Clamps and Bolts, 36' 10" long . . . . .	33.30
1026-6	Ladder Only for 1026-1 and 791-1 . . . . .	11.70
1026-7	" " " 1026-2 " 791-2 . . . . .	15.30
1026-8	" " " 1026-3 " 791-3 . . . . .	18.00
1027-3	Top Pieces, complete with Clamps, Two $\frac{1}{2}$ " x 2" and Four $\frac{1}{2}$ " x 1" Square Head Machine Bolts with Hexagon Nuts for 5" Pipe . . . . .	2.70
1027-4	Same as above except for 4" Pipe . . . . .	2.70
1027-1	Top Piece Only, R. H. . . . .	.81
1027-2	" " " L. H. . . . .	.81
691-21	Clamp (Two Pieces) with Two $\frac{1}{2}$ " x 2" Square Head Machine Bolts and Hexagon Nuts for 4" Pipe . . . . .	.77
1029-21	Same as above except for 5" Pipe . . . . .	.90
1029-22	" " " 6" . . . . .	1.04
1029-30	Ladder Stays, complete with Clamps, Two $\frac{1}{2}$ " x 2" and Two $\frac{1}{2}$ " x 1" Square Head Machine Bolts with Hexagon Nuts, 17" Centers for 4" Pipe . . . . .	1.80
1029-31	Same as above except for 5" Pipe . . . . .	1.80
1029-32	Ladder Stays, complete with Clamps, Two $\frac{1}{2}$ " x 2" and Two $\frac{1}{2}$ " x 1" Square Head Machine Bolts with Hexagon Nuts, 23" Centers for 4" Pipe . . . . .	2.25
1029-33	Same as above except for 5" Pipe . . . . .	2.25
1029-34	" " " 6" . . . . .	2.25
1029-35	Ladder Stays, complete with Clamps, Two $\frac{1}{2}$ " x 2" and Two $\frac{1}{2}$ " x 1" Square Head Machine Bolts with Hexagon Nuts, 29" Centers for 5" Pipe . . . . .	2.70
1029-36	Same as above except for 6" Pipe . . . . .	2.70
1029-37	Ladder Stays, complete with Clamps, Two $\frac{1}{2}$ " x 2" and Two $\frac{1}{2}$ " x 1" Square Head Machine Bolts and Hexagon Nuts, 35" Centers for 5" Pipe . . . . .	3.15
1029-38	Same as above except for 6" Pipe . . . . .	3.15
1029-39	Ladder Stays, complete with Clamps, Two $\frac{1}{2}$ " x 2" and Two $\frac{1}{2}$ " x 1" Square Head Machine Bolts and Hexagon Nuts, 40 $\frac{3}{4}$ " Centers for 6" Pipe . . . . .	3.60
1029-11	Ladder Stay (One Piece Only), 17" Centers . . . . .	.45
1029-12	" " " " 23" . . . . .	.68
1029-13	" " " " 29" . . . . .	.90
1029-14	" " " " 35" . . . . .	1.13
1029-15	" " " " 40 $\frac{3}{4}$ " . . . . .	1.35
1027-6	$\frac{1}{2}$ " x 1" Square Head Machine Bolts and Nuts . . . . .	.05
1049-15	$\frac{1}{2}$ " x 2" " " " " . . . . .	.05
1049-14	$\frac{1}{2}$ " x 1 $\frac{1}{2}$ " Square Head Machine Bolt with Hexagon Nut for Ladder to Ladder Foundation . . . . .	.05

## LADDERS FOR 60 DEG. LOWER QUADRANT GROUND SIGNALS





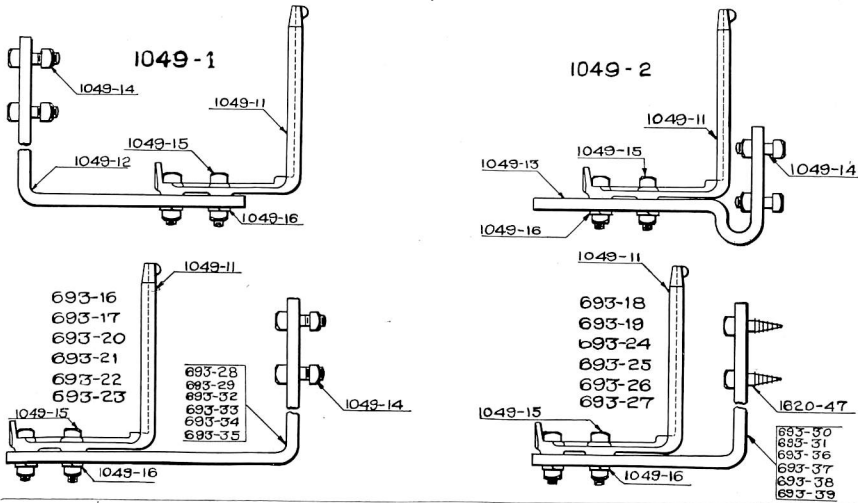
## LADDERS FOR 60 DEG. LOWER QUADRANT GROUND SIGNALS

Trade No.	DESCRIPTION	List Price
797-1	Ladder complete as shown, with Top Pieces, Clamps, Stays and Bolts, 24' 7½" long.	\$20.70
797-2	Ladder complete as shown, with Top Pieces, Clamps, Stays and Bolts, 30' 8" long.	27.00
797-3	Ladder complete as shown, with Top Pieces, Clamps, Stays and Bolts, 37' 8" long.	33.30
794-1	Ladder for Wood Post, complete with Top Pieces, Clamps and Bolts, 27 feet long.	14.81
794-2	Ladder for Wood Post, complete with Top Pieces, Clamps, Stays and Bolts, 33 feet long.	18.09
794-3	Ladder for Wood Post, complete with Top Pieces, Clamps, Stays and Bolts, 37 feet long.	20.88
797-6	Ladder Only for 797-1.	11.70
797-7	" " " 797-2.	15.30
797-8	" " " 797-3.	18.00
794-6	" " " 794-1.	11.30
794-7	" " " 794-2.	13.37
794-8	" " " 794-3.	15.12
1027-4	Top Pieces, complete with Clamps, Two ½" x 2" and Four ½" x 1" Square Head Machine Bolts with Hexagon Nuts for 4" Pipe.	2.70
1027-1	Top Piece Only, R. H.	.81
1027-2	" " " L. H.	.81
794-11	Top Piece for Ladder with Two ½" x 2½" Lag Screws and Four ½" x 1" Square Head Machine Bolts with Hexagon Nuts.	.81
691-21	Clamp (Two Pieces), with Two ½" x 2" Square Head Machine Bolts with Hexagon Nuts for 4" Pipe.	.76
1029-21	Same as above except for 5" Pipe.	.90
1029-22	" " " 6" " "	1.04
797-11	Ladder Stays, complete with Clamps, Two ½" x 2" and Two ½" x 1" Square Head Machine Bolts with Hexagon Nuts, 13¾" for 4" Pipe.	1.80
1029-30	Same as above except 17" Centers.	1.80
797-12	" " " 18" " "	1.80
797-13	Ladder Stays, complete with Clamps, Two ½" x 2" and Two ½" x 1" Square Head Machine Bolts with Hexagon Nuts, 17¾" Centers for 5" Pipe.	2.25
797-14	Same as above except 23¾" Centers.	2.25
797-15	" " " 24" " "	2.25
797-16	" " " 30" " "	2.25
797-17	" " " 31½" " "	2.25
797-18	Ladder Stays, complete with Clamp, Two ½" x 2" and Two ½" x 1" Square Head Machine Bolts with Hexagon Nuts for 6" Pipe, 21¾" Centers.	2.70
797-19	Same as above except 36" Centers.	2.70
797-20	" " " 38" " "	2.70
797-21	Ladder Stay (One Piece Only), 13¾" Centers.	.42
1029-11	" " " 17" " "	.45
797-22	" " " 18" " "	.50
797-23	" " " 17¾" " "	.49
797-24	" " " 23¾" " "	.71
797-25	" " " 24" " "	.72
797-26	" " " 30" " "	.85
797-27	" " " 31½" " "	1.00
797-28	" " " 21¾" " "	.62
797-29	" " " 36" " "	1.17
797-30	" " " 38" " "	1.26
794-12	Ladder Stay for Wood Post, 21" long.	.24
794-13	" " " 27" " "	.30
794-14	" " " 33" " "	.35
794-15	" " " 39" " "	.41
794-16	" " " 45" " "	.46
794-17	" " " 51" " "	.51
1027-6	½" x 1" Square Head Machine Bolt and Nut.	.05
1027-15	½" x 2" " " " " "	.05
1027-13	½" x 2½" Lag Screws.	.06
1027-14	½" x 1½" Square Head Machine Bolts with Nut.	.05



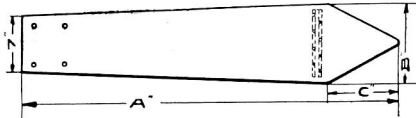


## LAMP BRACKETS FOR GROUND, BRIDGE OR BRACKET SIGNALS

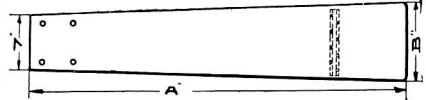


Trade No.	DESCRIPTION	List Price
1049-1	R. S. A. Lamp Bracket, complete as shown .....	\$3.60
1049-2	Adjustable Lamp Bracket, complete as shown, for use with Three Light, 14" Center, Spectacles and 735 to 738 and 743 to 746 Semaphore Bearings inclusive .....	4.50
693-16	Same as above for Three Light, 17" Center, Spectacles .....	3.60
693-17	“ “ “ “ “ “ 60 deg. 14" Center, Spectacles .....	3.60
693-20	“ “ “ “ “ “ 75 “ 14" “ “ “ “ .....	3.60
693-21	“ “ “ “ “ “ 60 “ 17" “ “ “ “ .....	3.60
693-22	“ “ “ “ “ “ 75 “ 17" “ “ “ “ .....	3.60
693-23	Lamp Bracket, complete with Lag Screws for Wood Post for Three Light, 14" Center, Spectacles .....	3.60
693-18	Same as above for Three Light, 17" Center, Spectacles .....	3.60
693-19	“ “ “ “ “ “ 60 deg. 14" Center, Spectacles .....	3.60
693-24	“ “ “ “ “ “ 75 “ 14" “ “ “ “ .....	3.60
693-25	“ “ “ “ “ “ 60 “ 17" “ “ “ “ .....	3.60
693-26	“ “ “ “ “ “ 75 “ 17" “ “ “ “ .....	3.60
693-27	R. S. A. Lamp Bracket .....	1.80
1049-11	“ “ “ “ “ “ Support for 1049-1 .....	2.03
1049-12	“ “ “ “ “ “ “ “ 1049-2 .....	2.70
1049-13	$\frac{1}{2}$ " x $1\frac{1}{2}$ " Square Head Bolt with Hexagon Nut .....	.05
1049-14	$\frac{1}{2}$ " x 2" “ “ and Nut .....	.05
1049-15	Standard $\frac{1}{2}$ " Lock Washers .....	.02
1049-16	$\frac{1}{2}$ " x 3" Lag Screws .....	.06
1620-47	Lamp Bracket Support for 693-16 .....	2.03
693-28	“ “ “ “ “ “ 693-17 .....	2.03
693-29	“ “ “ “ “ “ 693-18 .....	2.03
693-30	“ “ “ “ “ “ 693-19 .....	2.03
693-31	“ “ “ “ “ “ 693-20 .....	2.03
693-32	“ “ “ “ “ “ 693-21 .....	2.03
693-33	“ “ “ “ “ “ 693-22 .....	2.03
693-34	“ “ “ “ “ “ 693-23 .....	2.03
693-35	“ “ “ “ “ “ 693-24 .....	2.03
693-36	“ “ “ “ “ “ 693-25 .....	2.03
693-37	“ “ “ “ “ “ 693-26 .....	2.03
693-38	“ “ “ “ “ “ 693-27 .....	2.03
693-39	“ “ “ “ “ “ 693-28 .....	2.03
693-40	“ “ “ “ “ “ 693-29 .....	2.03

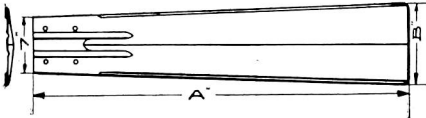
## SEMAPHORE BLADES FOR GROUND, BRIDGE, BRACKET AND DWARF SIGNALS



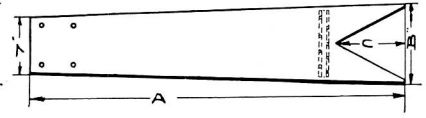
	A	B	C
1065-11	3'-6"	9 1/8"	7 11/16"
696-11	4'-0"	10"	8 1/4"



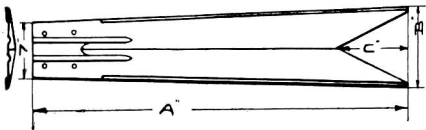
	A	B
1065-13	2'-6"	8 7/8"
1065-12	3'-6"	9 5/8"
696-12	4'-0"	10"
696-13	4'-6"	10"



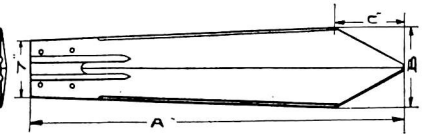
	A	B
1065-23	2'-6"	8 7/8"
1065-22	3'-6"	9 3/8"
696-18	4'-0"	10"



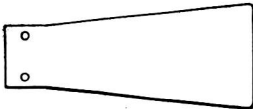
	A	B	C
696-14	3'-6"	10"	8"
696-15	4'-0"	10"	9"
696-16	4'-6"	10"	9"
696-17	5'-0"	11"	8"



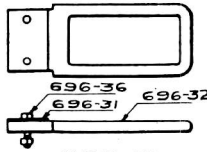
	A	B	C
696-19	4'-0"	10"	9"



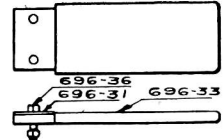
	A	B	C
1065-21	3'-6"	8 1/8"	7 11/16"
696-20	4'-0"	10"	8 1/4"



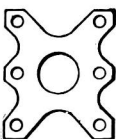
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696-35



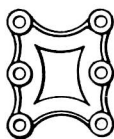
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696-23



696-1



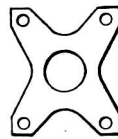
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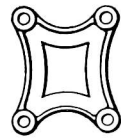
696-7



696-6

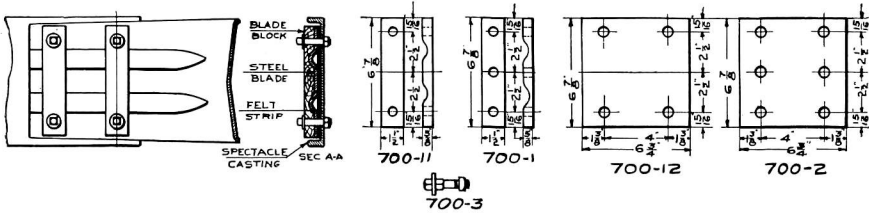


696-3



696-5

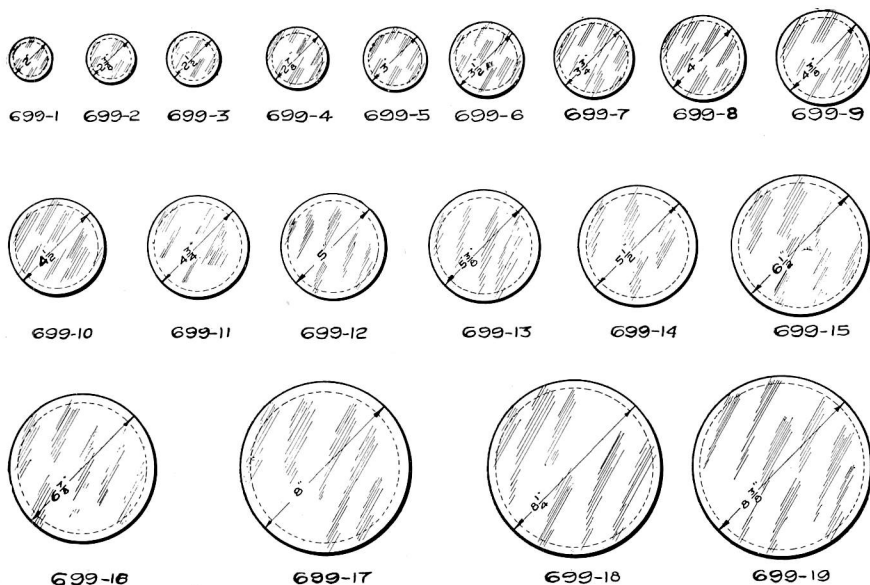
## SEMAPHORE BLADES AND FASTENINGS FOR GROUND, BRIDGE, BRACKET AND DWARF SIGNALS



Wood Signal Blades as listed below are made of well-seasoned Ash and are given one priming coat of White Lead before shipment. All Blades (except those for dwarf signals) up to and including 4 feet in length are drilled for Four Bolts; Blades longer than 4 feet are drilled for Six Bolts. Orders for Steel Semaphore Blades must specify Bolt Drilling and color of enamel and striping desired. Prices for painted Blades will be furnished on application. Orders for Steel Semaphore Blade Clamps must specify drilling and notching of Blade Block.

Trade No.	DESCRIPTION	List Price
1065-11	R. S. A. Wood Semaphore Blade for Automatic Signal, 3' 6" long	\$2.16
696-11	Wood Semaphore Blade, 4 feet long	2.16
1065-13	R. S. A. Wood Semaphore Blade for Calling On Arm, 2' 6" long	2.16
1065-12	Home Signal, 3' 6" long	2.16
696-12	Wood Semaphore Blade for Home Signal, 4 feet long	2.16
696-13	" " " " 4' 6" "	2.16
696-14	" " " " Distant " 3' 6" "	2.16
696-15	" " " " " 4' "	2.16
696-16	" " " " " 4' 6" "	2.16
696-17	" " " " " 5' "	2.16
1065-23	Steel " " " Calling On Arm, 2' 6" long	.....
1065-22	" " " " Home Signal, 3' 6" long	.....
696-18	" " " " 4' long	.....
696-19	" " " " Distant " 4' long	.....
1065-21	" " " " Automatic Block Home Signal, 3' 6" long	.....
696-20	Same as above except 4 feet long	.....
696-34	Sheet Steel Dwarf Signal Blade, 10" long	.81
696-35	" " " " 12" "	.81
696-21	Rubber Dwarf Signal Blade, complete with Bolts and Blade Plate	.81
696-23	Wood Dwarf Signal Blade, complete with Bolts and Blade Plate	.60
696-1	Blade Plate for Six Bolts, Sheet Steel	.18
696-3	" " " Four " "	.18
696-4	" " " Six " Cast Iron	.45
696-5	" " " Four " "	.45
696-6	1/2" x 1 3/4" Square Head Machine Bolts with Hexagon Nuts for fastening Blade Plate and Blade to Semaphore Spectacle	.05
696-7	3/8" x 1 1/2" Mushroom Head Bolts for fastening Blade to Semaphore Spectacle	.11
696-36	1/4" x 1 1/4" Square Head Machine Bolts and Nuts for fastening Dwarf Signal Blade and Blade Plate to Spectacle	.04
696-32	Rubber Blade Only for Dwarf Signal	.70
696-33	Wood " " " " Blades	.50
696-31	Blade Plate " " " " Blades	.12
700-1	Oak Blade Block drilled for Three Bolts	.....
700-11	" " " " Two " "	.....
700-2	Felt Strip with Six Holes	.....
700-12	" " " Four " "	.....
700-3	Blade Bolt with Square Nut	.....

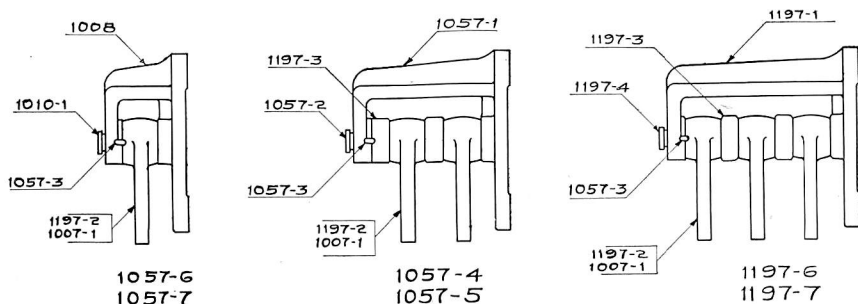
## GLASS SEMAPHORE ROUNDELS



We are prepared to furnish Roundels of Red, Green, Yellow, Clear and Purple Glass. All our glass is subject to close photometric and spectroscopic tests. The sizes listed are those most commonly used, but any other size or shape can be furnished upon short notice.

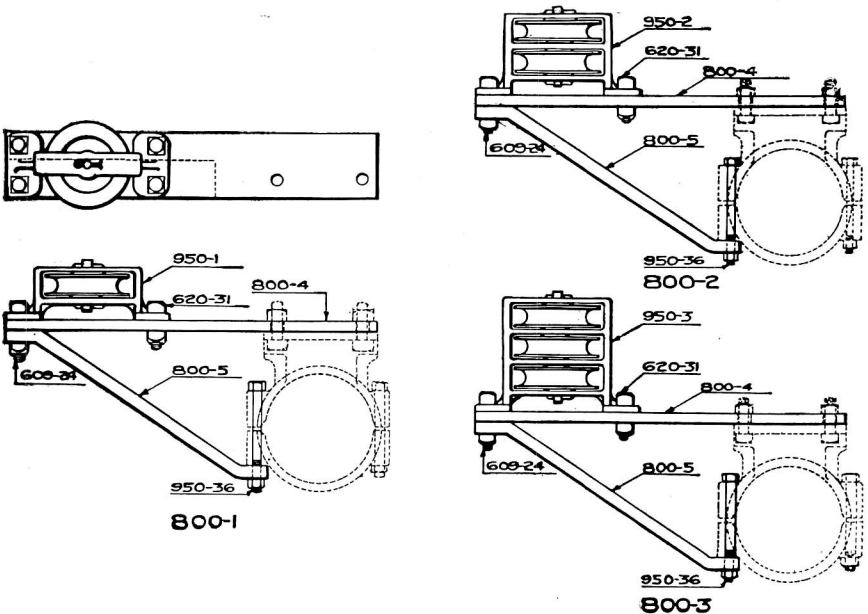
Trade No.		List Price					
	Diameter	Red	Green	Yellow	Blue	Purple	Clear
	A						
699-1	2"	\$0.45	\$0.22	\$0.22	\$0.22	\$0.22	\$0.13
699-2	2 $\frac{3}{8}$ "	.45	.22	.22	.22	.22	.13
699-3	2 $\frac{1}{2}$ "	.45	.22	.22	.22	.22	.13
699-4	2 $\frac{7}{8}$ "	.45	.22	.22	.22	.22	.13
699-5	3"	.45	.22	.22	.22	.22	.13
699-6	3 $\frac{1}{2}$ "	.54	.27	.27	.27	.27	.18
699-7	3 $\frac{3}{4}$ "	.54	.27	.27	.27	.27	.18
699-8	4"	.54	.31	.31	.31	.31	.22
699-9	4 $\frac{3}{8}$ "	.58	.34	.34	.34	.34	.25
699-10	4 $\frac{1}{2}$ "	.63	.36	.36	.36	.36	.25
699-11	4 $\frac{3}{4}$ "	.67	.45	.45	.45	.45	.30
699-12	5"	.67	.45	.45	.45	.45	.30
699-13	5 $\frac{3}{8}$ "	.67	.45	.45	.45	.45	.31
699-14	5 $\frac{1}{2}$ "	.67	.45	.45	.45	.45	.31
699-15	6 $\frac{1}{2}$ "	1.12	.63	.63	.63	.63	.45
699-16	6 $\frac{7}{8}$ "	1.35	.79	.79	.79	.79	.49
699-17	8"	1.69	1.12	1.12	1.12	1.12	.57
699-18	8 $\frac{1}{4}$ "	1.69	1.12	1.12	1.12	1.12	.57
699-19	8 $\frac{3}{8}$ "	1.69	1.12	1.12	1.12	1.12	.57

## R. S. A. VERTICAL CRANKS FOR BASE OF GROUND AND BRACKET SIGNALS



Trade No.	DESCRIPTION	List Price
1057-6	One Way Vertical Cranks, 7" x 7" as shown .....	\$3.37
1057-4	Two " " " 7" x 7" " " .....	4.94
1197-6	Three " " " 7" x 7" " " .....	6.51
1057-7	One " " " 9" x 9" " " .....	3.60
1057-5	Two " " " 9" x 9" " " .....	5.40
1197-7	Three " " " 9" x 9" " " .....	7.20
1008	One Way Stand Only .....	1.89
1057-1	Two " " " .....	2.43
1197-1	Three " " " .....	2.70
1010-1	One Way Pin with Cotter .....	.32
1057-2	Two " " " " .....	.50
1197-4	Three " " " " .....	.60
1197-2	7" x 7" Crank .....	1.30
1007-1	9" x 9" " .....	1.53
1057-3	1/4" x 3" Cotter Pins .....	.01
1197-3	Collar .....	.14

## SIGNAL WHEEL FOR BASE OF BRIDGE AND BRACKET SIGNALS



Trade No.	DESCRIPTION	List Price
800-1	One Way Signal Wheel, complete as shown.....	\$3.93
800-2	Two " " " " " " .....	4.44
800-3	Three " " " " " " .....	4.88
800-4	Support for Signal Wheel.....	.99
800-5	Brace for Support.....	1.26
609-24	$\frac{3}{4}$ " x 3" Square Head Bolt and Nut.....	.13
620-31	$\frac{3}{4}$ " x 2 $\frac{1}{2}$ " " " " " .....	.13
950-1	One Way 6" Horizontal Wheel, complete.....	.99
950-2	Two " 6" " " " " .....	1.50
950-3	Three " 6" " " " " .....	1.94
950-36	$\frac{3}{4}$ " x 7" Square Head Bolt and Nut, per C.....	15.40

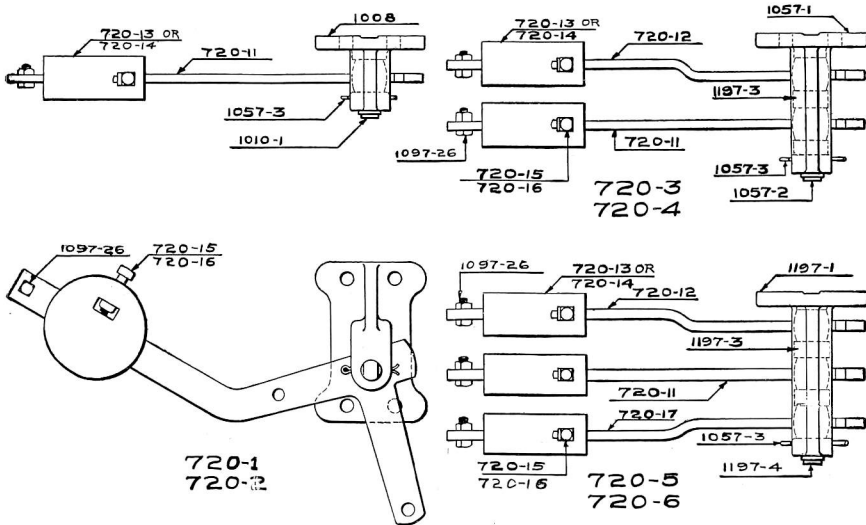






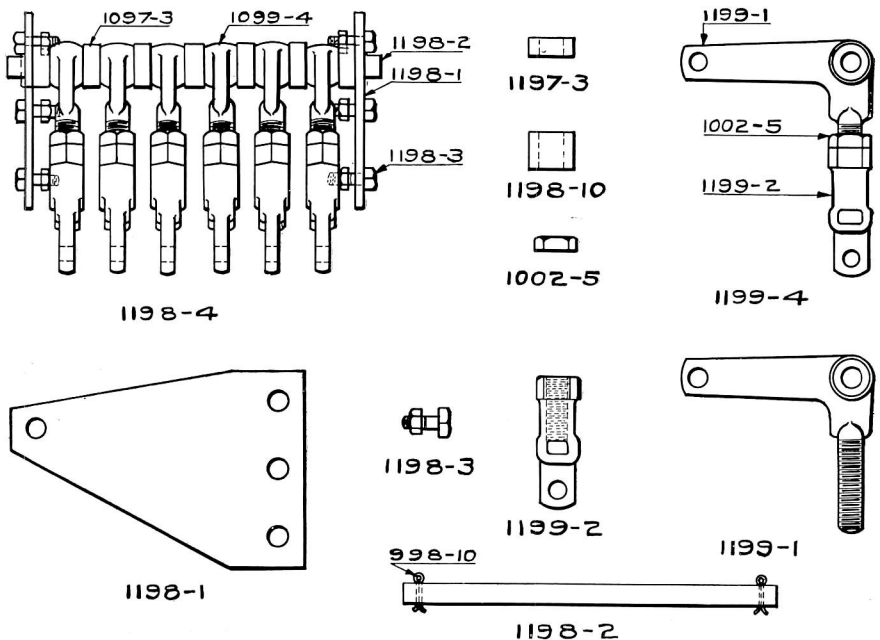


## BALANCE LEVER STANDS FOR PIPE OPERATED SIGNALS



Trade No.	DESCRIPTION	List Price
720-1	One Way Balance Lever, complete as shown, with 40 lb. Counterweight.....	\$9.62
720-2	Same as above excepting with 10 lb. Counterweight.....	6.65
720-3	Two Way Balance Lever, complete as shown, with 40 lb. Counterweight.....	18.26
720-4	Same as above excepting with 10 lb. weight.....	12.32
720-5	Three Way Balance Lever, complete as shown, with 40 lb. Counterweight.....	26.27
720-6	Same as above excepting with 10 lb. Counterweight.....	17.36
720-12	Offset Balance Lever Only, R. H. ....	3.56
720-17	“ “ “ “ L. H. ....	3.56
720-13	40 lb. Counterweight Only.....	3.96
720-14	10 lb. “ “.....	.99
720-15	5/8" x 4" Square Head Bolt and Nut for clamping 40 lb. Counterweight.....	.09
1008	One Way Crank Stand Only.....	1.89
1057-1	Two “ “ “ “.....	2.43
1197-1	Three “ “ “ “.....	2.70
1010-1	One Way Pin with Cotter.....	.32
1057-2	Two “ “ “ “.....	.50
1197-2	Three “ “ “ “.....	.60
1057-3	1/4" x 3" Cotter Pin.....	.01
1197-3	Collar.....	.14
1097-26	1/4" x 1" Square Head Bolts and Nut.....	.03
720-16	5/8" x 3 1/2" “ “ “ “ “ “ for clamping 10 lb. Counterweight.....	.09
720-11	Straight Balance Lever Only.....	3.33

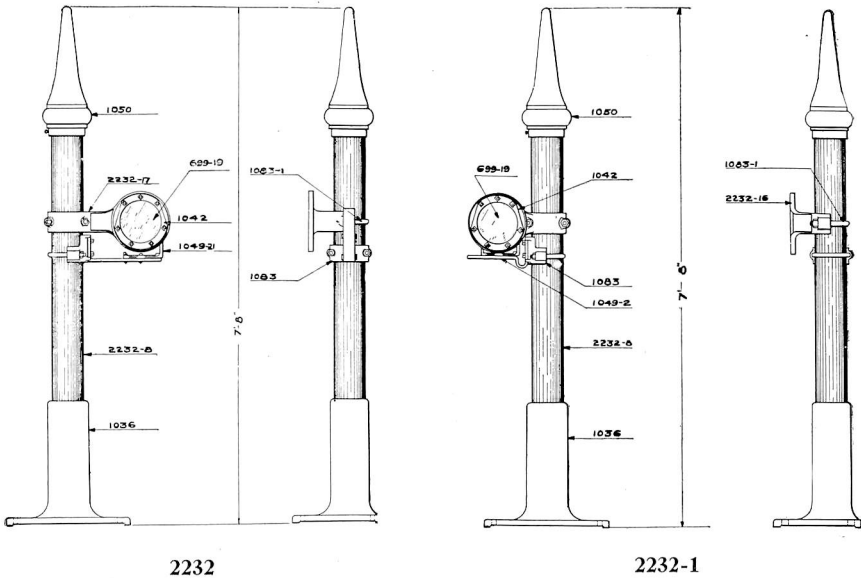
## R. S. A. ADJUSTABLE ARM CRANKS AND SUPPORTS FOR R. S. A. BRACKET POST



The Cranks shown above are used for Base of Bracket Post. The assembled unit is intended to be mounted on base of R. S. A. Channel Column Bracket Post, and can be used from one way to six way by the use of Filler Blocks. The adjustable crank can also be used in connection with the regular R. S. A. Horizontal Crank Stands.

Trade No.	DESCRIPTION	List Price
1198-4	Six Way Adjustable Arm Crank Support, complete as shown	.....
1198-5	Same as above except Five Way	.....
1198-6	“ “ “ “ Four “	.....
1198-7	“ “ “ “ Three “	.....
1198-8	“ “ “ “ Two “	.....
1198-9	“ “ “ “ One “	.....
1198-1	End Bearing Support	.....
1198-2	Bearing Shaft with Cotter Pins	.....
997-12	$\frac{3}{4}$ " x 2" Cotter Pin for above, per C.	\$0.88
1198-3	$\frac{3}{4}$ " x 2" Square Head Machine Bolt with Hexagon Nut	.....
1197-3	Filler, 1" long	.14
1198-10	“ 2" “	.....
1199-4	Adjustable Crank, complete as shown	.....
1199-1	Threaded Arm Only	.....
1199-2	Screw Eye Only	.....
1002-5	$1\frac{1}{4}$ " Hexagon Nut, $\frac{3}{4}$ " thick	.18

## DUMMY MASTS



**2232**

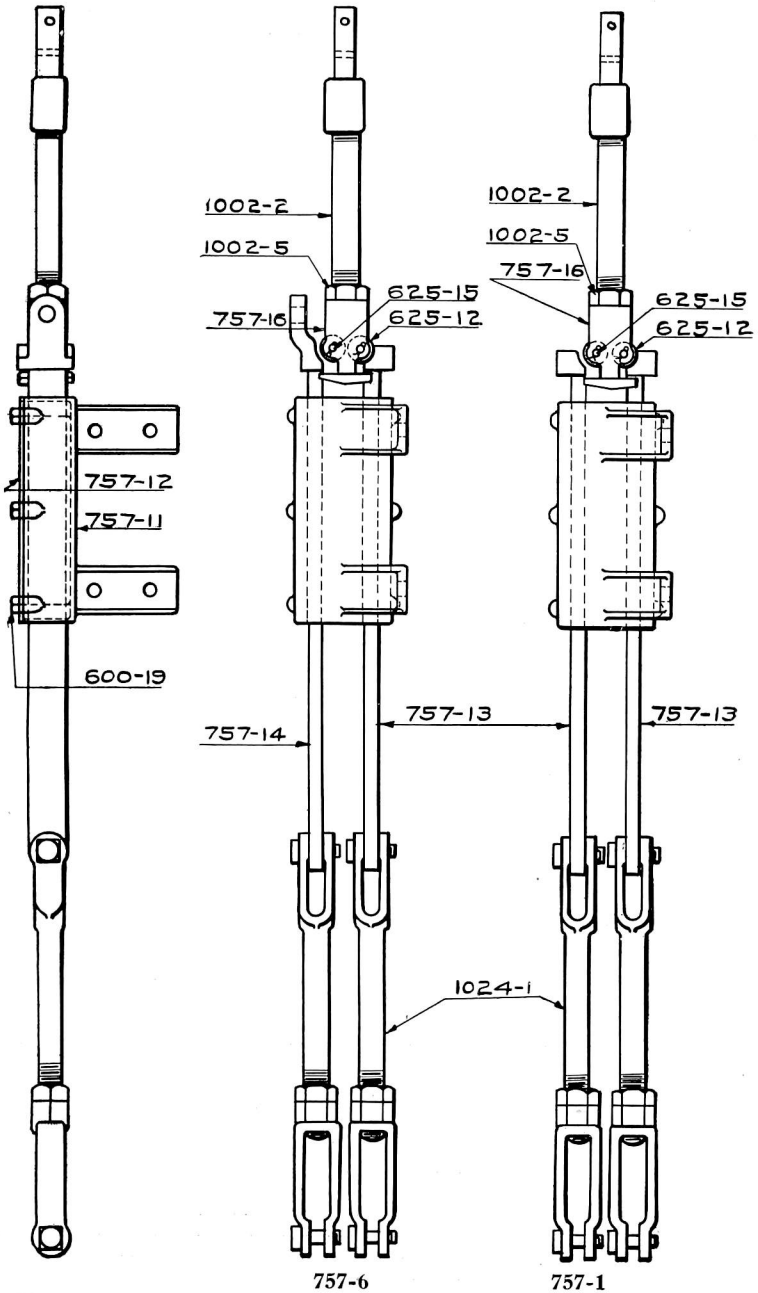
**2232-1**

Trade No.	DESCRIPTION	List Price
2232	Dummy Mast, complete as shown, for Vertical Light, Lamp not included. . . . .	\$37.80
2232-1	Dummy Mast, complete as shown, for Staggered Light, Lamp not included. . . . .	37.80
2232-8	Mast. . . . .	16.20
1036	Base. . . . .	2.70
1050	Pinnacle with Set Screw. . . . .	3.60
2232-16	Spectacle, complete with U Bolt and Roundel Ring, for Staggered Light. . . . .	3.60
2232-17	Spectacle, complete with U Bolt and Roundel Ring, for Vertical Light. . . . .	.60
1042	Roundel Ring, complete with Bolts for fastening. . . . .	2.03
699-19	Glass Roundels, 8 <sup>3</sup> / <sub>8</sub> " dia. Specify Color. . . . .	4.50
1083	Clamp, complete for Lamp. . . . .	3.60
1049-2	Lamp Bracket, Support and Bolts for fastening, for Staggered Light. . . . .	
1049-21	Lamp Bracket, Support and Bolts for fastening, for Vertical Light. . . . .	



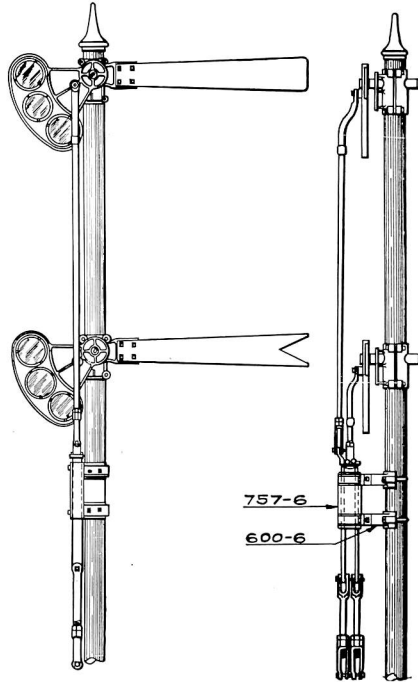


## MECHANICAL SLOT



## MECHANICAL SLOT

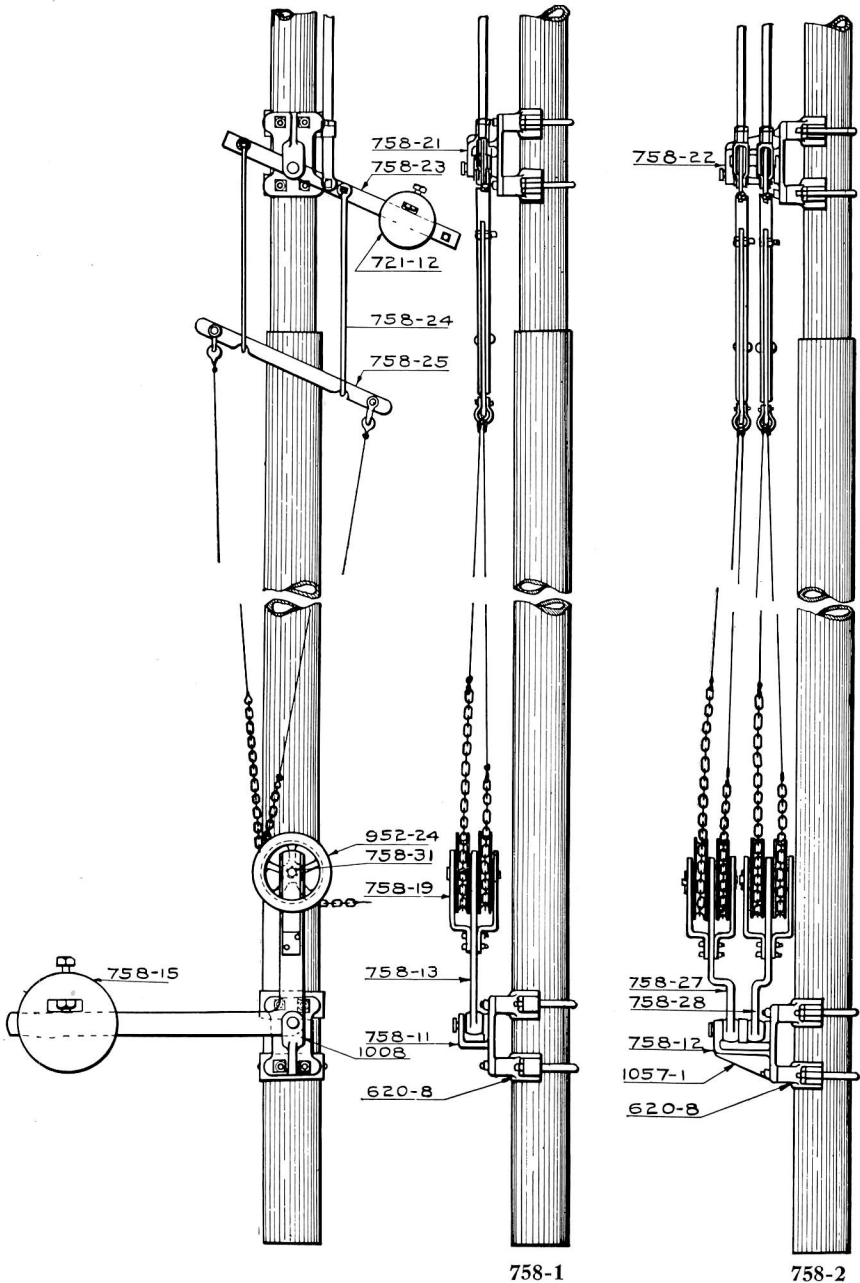
This Slot is used where a Signal is to be controlled from two different points. One Rod pushed up does not affect the Signal, as the Roller Jaw swings to one side and allows the rod to travel up by. When the other rod is pushed up, however, Roller Jaw moves up with it, throwing Signal to proceed. Application shows our 757-6 Slot with a Home and Distant Signal on one Pole controlled from two points. It is evident that the Distant Signal cannot be cleared until the Home Signal is in the clear position.



**Application of Two Arm Slot**

Trade No.	DESCRIPTION	List Price
757-1	Double Control Mechanical Slot for One Signal, complete as shown .....	\$17.80
757-2	Same as above with Two Clamps for fastening to 4" Pole...	22.50
757-3	" " " " Lag Screws " " " 5" " .....	22.50
757-4	" " " " " " " " Wood Post .....	18.00
757-6	Double Control Mechanical Slot for Two Signals, complete as shown .....	19.90
757-7	Same as above with Two Clamps for fastening to 4" Pipe...	24.60
757-8	" " " " " " " " 5" " .....	24.60
757-9	" " " " " Lag Screws " " " " Wood Post .....	20.10
757-11	Case for Slot Only .....	1.95
757-12	Cover for Slot Case .....	.70
600-19	$\frac{3}{8}$ " x $1\frac{1}{4}$ " Hexagon Cap Screws for fastening Cover to Case .....	.04
757-13	Slide Bar .....	3.30
757-14	" " with Lug .....	5.35
757-15	Roller Jaw complete with Rollers, Pins, Tang End, Threaded Rod and Nut .....	3.80
625-12	Roller Only .....	.18
625-15	Pin for Roller with Cotters and Washers .....	.09
757-16	Roller Jaw .....	1.00
1002-2	Threaded Rod, Tang End with Coupling and Nut .....	1.26
1024-1	R. S. A. Screw Jaw with Solid Jaw End with Pins and Cotters .....	3.02
620-6	Clamp for Slot, complete with U Bolt and Bolts for fastening Slot to 4" Pipe .....	2.34
620-7	Same as above except for 5" Pipe .....	2.34

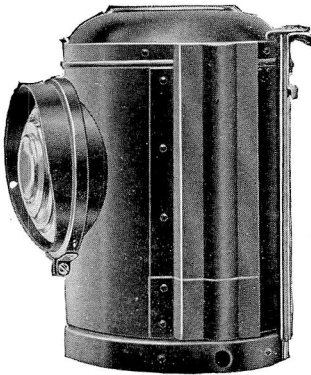
## WIRE COMPENSATOR





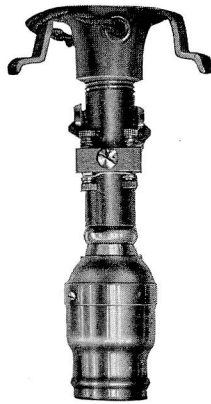


## LAMPS



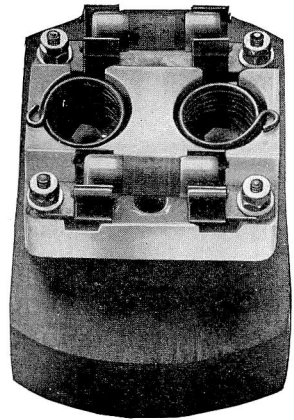
No. 45-156

Electric Semaphore Lamp



No. 45-11

Electric Top Socket



No. 45-9

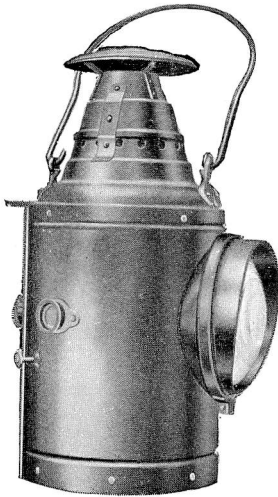
Electric Bottom Socket

The Electric Semaphore Lamp is fitted with Two Light Electric Sockets at the top, 5" Lens, water shedding sliding door and malleable iron Pocket to receive Bracket.

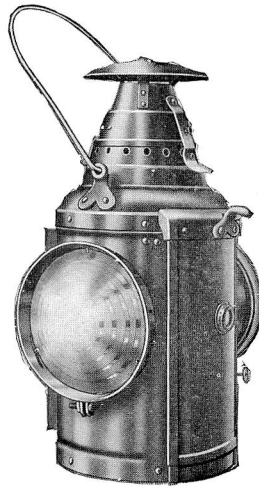
Trade No.	DESCRIPTION	List Price
45-156	Electric Semaphore Lamp, complete as described. ....	.....
45-11	Electric Top Socket to fit R. S. A. Standard Semaphore Lamp No. 1100 (will also fit most other Standard Semaphore Lamps).....	.....
45-9	Electric Socket for No. 1100 R. S. A. (Interchanges with Long Time Founts).....	.....

We handle the complete "Dressel" Line of Switch, Bridge, Pier and other Lamps and Lanterns and Accessories. Separate catalogue upon request.

## LAMPS



**No. 1100**  
**R. S. A. Semaphore Lamp**



**No. 45-154**  
**Two Lens Train Lamps**

The R. S. A. Semaphore Lamp is fitted with Ventilator : Balanced Draught or "No-Sweat" Principle ; Lens : 5" diameter or  $5\frac{3}{8}$ " as specified ; Hood : Separate, One Piece Drawn Steel, Slanting ; Lens and Hood Holder : U-Shaped Adjustable Band ; Fount and Burner : No. 152 Drawn Steel and Tinned, Long Burning Fount, 31 oz. capacity and No. 25 Long Time Burner or No. 0 "Dressel" Interchangeable One-Day, No-Chimney, Long Shaft Burner ; Reflector : Prismatic Glass if specified ; Socket : Steel, R. S. A. Standard.

Trade No.	DESCRIPTION	List Price
1100	R. S. A. Standard Semaphore Lamp.....	.....
45-154	Two Lens Train Order Semaphore Lamp.....	.....

We handle the complete "Dressel" Line of Switch, Bridge, Pier and other Lamps and Accessories. Separate catalogue upon request.