#### 1914

#### CATALOGUE AND PRICE LIST

#### SECTION N

#### BRIDGE AND BRACKET SIGNALS

60 deg. Lower Quadrant Wire Operated

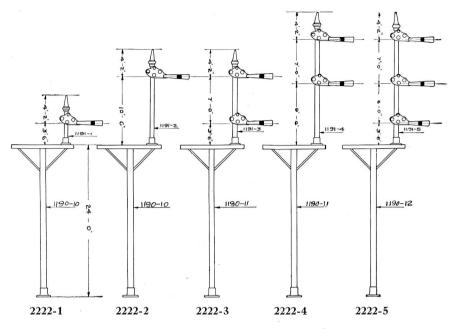
60 deg. Lower Quadrant Pipe Operated

90 deg. Upper Quadrant Wire Operated

90 deg. Upper Quadrant Pipe Operated



#### R. S. A. PIPE OPERATED BRACKET POST SIGNALS



Prices will be furnished upon request for any combination of Signals not given in the following list.

Trade No.	DESCRIPTION	List Price
2222-1	Bracket Post for Two Signals and Connections complete with	
2222 2	One No. 1191–1 Low One Arm Bracket Signal	\$463.50
2222-2	Same as above except with One No. 1191–2 High One Arm	481.50
2222-3	Bracket Signal	401.30
2222 0	One No. 1191–3 Low Two Arm Bracket Signal	531.00
2222-4	Same as above excepting with One No. 1191–4 High Two Arm	
2222 5	Bracket Signal	549.00
2222-5	One No. 1191–5 Three Arm Bracket Signal	598.50
2222-6	Bracket Post for Two Signals and Connections complete with	398.30
	Two No. 1191–1 Low One Arm Bracket Signals	562.50
2222-7	Same as above excepting with Two No. 1191-2 High One	#00 #0
2222-8	Arm Bracket SignalsBracket Post for Two Signals and Connections complete with	598.50
2222-0	Two No. 1191–3 Low Two Arm Bracket Signals	697.50
2222-9	Same as above excepting with Two No. 1191–4 High Two Arm	057.50
	Bracket Signals	733.50
2222-10	Bracket Post for Two Signals and Connections complete with	022.50
2222-11	Two No. 1191–5 Three Arm Bracket Signals	832.50
2222-11	One No. 1191–1 Low One Arm and One No. 1191–3 Low	
	Two Arm Bracket Signals	630.00
2222-12	Same as above except with One No. 1191–2 High One Arm and	
	One No. 1191–4 High Two Arm Bracket Signal	666.00



#### R. S. A. PIPE OPERATED BRACKET POST SIGNALS

No.	DESCRIPTION	List Price
2222-13	Bracket Post for Two Signals and Connections complete with	
	One No. 1191–1 Low One Arm and One No. 1191–5 Three	
0000 14	Arm Bracket Signal	\$697.50
2222-14	and One No. 1191–5 Three Arm Bracket Signal	715.50
2222-15	Bracket Post for Two Signals and Connections complete with	710.00
	One No. 1191–3 Low Two Arm and One No. 1191–5 Three	
2222 46	Arm Bracket Signal	765.00
2222–16	and One No. 1191–5 Three Arm Bracket Signal	783.00
2222-17	Bracket Post for Three Signals and Connections complete with	703.00
2222 11	One No. 1191–1 Low One Arm Bracket Signal	508.50
2222-18	Same as above except with One No. 1191–2 High One Arm	
2222-19	Bracket Signal	526.50
2222-19	One No. 1191–3 Low Two Arm Bracket Signal	576.00
2222-20	Same as above except with One No. 1191–4 High Two Arm	0,0.00
	Bracket Signal	594.00
2222–21	Bracket Post for Three Signals and Connections complete with One No. 1191–5 Three Arm Bracket Signal	643.50
2222-22	Bracket Post for Three Signals and Connections complete with	043.50
	Two No. 1191–1 Low One Arm Bracket Signal	607.50
2222-23	Same as above except with Two No. 1191–2 High One Arm	
2222-24	SignalsBracket Post for Three Signals and Connections complete with	643.50
2222-24	Two No. 1191–3 Low Two Arm Bracket Signals	742.50
2222-25	Same as above except with Two No. 1191–4 High Two Arm	, 12.00
2222 26	Bracket Signals	778.50
2222–26	Bracket Post for Three Signals and Connections complete with Two No. 1191–5 Three Arm Bracket Signals	877.50
2222-27	Bracket Post for Three Signals and Connections complete with	011.30
	One No. 1191–1 Low One Arm and One No. 1191–3 Low	
2222 20	Two Arm Bracket Signal	675.00
2222–28	Same as above except with One No. 1191–2 High One Arm and One No. 1191–4 High Two Arm Bracket Signal	711.00
2222-29	Bracket Post for Three Signals and Connections complete with	/11.00
	One No. 1191–1 Low One Arm and One No. 1191–5 Three	
	Arm Bracket Signal	742.50
2222–30	Same as above except with One No. 1191–2 High One Arm and One No. 1191–5 Three Arm Bracket Signal	760.50
2222-31	Bracket Post for Three Signals and Connections complete with	700.30
	One No. 1191–3 Low Two Arm and One No. 1191–5 Three	
2222 22	Arm Bracket Signal	810.00
2222–32	Same as above excepting with One No. 1191–4 High Two Arm and One No. 1191–5 Three Arm Bracket Signal	828.00
1190-10	Bracket Post for Two Signals complete with Connections for	828.00
	One One Arm Signal	391.50
1190–11	Same as above excepting with Connections for One Two Arm	105.00
1190–12	SignalSame as above excepting with Connections for One Three Arm	405.00
.1/0 12	Signal	418.50
1190-13	Signal	
1190–14	SignalsSame as above excepting with Connections for Two Two Arm	418.50
1190-14	Signals	445.50

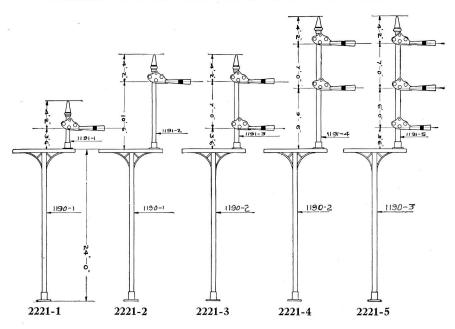


#### R. S. A. PIPE OPERATED BRACKET POST SIGNALS

Trade No.	DESCRIPTION	List Price
1190–15	Same as above excepting with Connections for Two Three Arm Signals	\$472.50
1190–16	Same as above excepting with Connections for One One Arm Signal and One Two Arm Signal	432.00
1190–17	Same as above excepting with Connections for One One Arm and One Three Arm Signal	445.50
1190–18	and One Three Arm Signal	459.00
1190–19	Bracket Post for Three Signals and Connections complete for One One Arm Signal	436.50
1190-20	Same as above except with Connections for One Two Arm Signal	450.00
1190–21 1190–22	Same as above except with Connections for One Three Arm Signal.  Same as above except with Connections for Two One Arm	463.50
1190-22	Signals	463.50
1190-23	Signals. Same as above except with Connections for Two Three Arm	490.50
1190-25	Signals Same as above except with Connections for One One Arm and	517.50
1190–26	One Two Arm Signal	477.00
1190-27	One Three Arm SignalSame as above except with Connections for One Two Arm and	490.50
1191–1	One Three Arm Signal	504.00
1191–2	Quadrant R. S. A. High One Arm Bracket Signal, 90 deg. Upper	72.00
1191–3	R. S. A. Low Two Arm Bracket Signal, 90 deg. Upper	90.00
1191–4	Quadrant  R. S. A. High Two Arm Bracket Signal, 90 deg. Upper  Quadrant	144.00
1191–5 2236–1	R. S. A. Three Arm Bracket Signal, 90 deg. Upper Quadrant Low One Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	180.00
2236-2	Quadrant Low One Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower	81.00
2237-1	Quadrant	82.00
2237-2	Quadrant High One Arm Bracket Signal, 8¾" Roundels, 60 deg. Lower	100.00
2238-1	Quadrant Low Two Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	101.00
2238-2	Quadrant. Low Two Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower Quadrant	128.00
2239-1	High Two Arm Bracket Signal, 6½" Roundels, 60 deg. Lower Ouadrant	144.00
2239–2	High Two Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower Ouadrant	146.00
2240-1	Three Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	180.00
2240-2	Three Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower Ouadrant	183.00
2232	Dummy Mast complete with Base, Pinnacle, Spectacle and Lamp Bracket for Vertical Light	37.80
2232-1	Same as above except for Staggered Light	37.80



#### BRACKET POST SIGNALS—PIPE OPERATED



Prices will be furnished upon request for any combination of Signals not shown in the following list.

Trade No.	DESCRIPTION	List Price
2221-1	Bracket Post for Two Signals and Connections complete with	*S G
2221-2	No. 1191–1 Low One Arm Bracket Signal	
2221-3	Bracket Signal Bracket Post for Two Signals and Connections complete with	******
2221-4	One No. 1191–3 Low Two Arm Bracket Signal	
2221-5	Bracket Signal	
2221–6	One No. 1191–5 Three Arm Signal	
2221-7	Two No. 1191–1 Low One Arm Signals	
2221-8	SignalsBracket Post for Two Signals and Connections complete with	
2221–9	Two No. 1191–3 Low Two Arm Bracket Signals Same as above except with Two No. 1191–4 High Two Arm	
2221-10	Bracket SignalsBracket Post for Two Signals and Connections complete with	
2221-11	Two No. 1191–5 Three Arm Bracket Signals	
2221–12	One No. 1191–1 Low One Arm and One No. 1191–3 Low Two Arm Bracket Signals Same as above except with One No. 1191–2 High One Arm and One No. 1191–4 High Two Arm Bracket Signal	

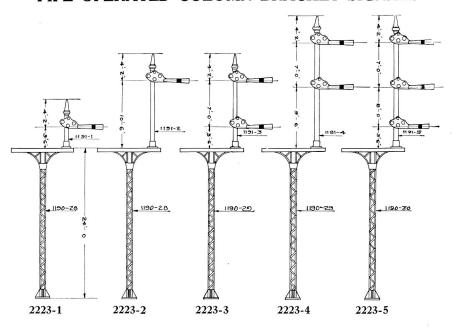


#### BRACKET POST SIGNALS—PIPE OPERATED

Trade No.	DESCRIPTION	List Price
2221–13	Bracket Post for Two Signals and Connections complete with One No. 1191–1 Low One Arm and One No. 1191–5 Three	7
2221–14	Arm Bracket SignalsSame as above excepting with One No. 1191–2 High One Arm and One No. 1191–5 Three Arm Bracket Signals	
2221–15	Bracket Post for Two Signals and Connections complete with One No. 1191–3 Low Two Arm and One No. 1191–5 Three	
2221–16	Arm Bracket SignalsSame as above excepting with One No. 1191–4 High Two Arm and One No. 1191–5 Three Arm Bracket Signal	
1190–1	Bracket Post complete with Connections for One One Arm	
1190-2	SignalSame as above except with Connections for One Two Arm Signal	
1190–3 1190–4	Same as above with Connections for One Three Arm Signal Same as above except with Connections for Two One Arm	
1190–5	Signals. Same as above except with Connections for Two Two Arm	
1190–6 1190–7	Signals. Same as above with Connections for Two Three Arm Signals Same as above except with Connections for One One Arm and	
1190-8	One Two Arm Signal	
1190–9	One Three Arm Signal	
1191–1	One Three Arm Signal	\$72.00
1191-2	Quadrant. R. S. A. High One Arm Bracket Signal, 90 deg. Upper	90.00
1191–3	Quadrant  R. S. A. Low Two Arm Bracket Signal, 90 deg. Upper	126.00
1191-4	Quadrant  R. S. A. High Two Arm Bracket Signal, 90 deg. Upper Quadrant	144.00
1191–5 2236–1	R. S. A. Three Arm Bracket Signal, 90 deg. Upper Quadrant Low One Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	180.00
2236–2	Quadrant Low One Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower	82.00
2237-1	Quadrant. High One Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	100.00
2237–2	Quadrant	101.00
2238-1	Quadrant Low Two Arm Bracket Signal, 6½" Roundels, 60 deg. Lower Ouedrant	126.00
2238–2	Quadrant	128.00
2239–1	Quadrant High Two Arm Bracket Signal, 6½" Roundels, 60 deg. Lower Quadrant.	144.00
2239–2	High Two Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower	146.00
2240-1	Three Arm Bracket Signal, 6½" Roundels, 60 deg. Lower Quadrant.	180.00
2240-2	Three Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower	183.00
2232	Quadrant  Dummy Mast complete with Base, Pinnacle, Spectacle and Lamp Bracket for Vertical Light	37.80
2232-1	Same as above except for Staggered Light	37.80



#### PIPE OPERATED COLUMN BRACKET SIGNALS



Prices will be furnished upon request for any combination of Signals not given in the following list.

Trade No.	DESCRIPTION	List Price
2223-1	Bracket Post for Two Signals and Connections complete with One No. 1191–1 Low One Arm Bracket Signal Same as above except with One No. 1191–2 High One Arm	
2223-2		
2223-3	Bracket Signal Bracket Post for Two Signals and Connections complete with One No. 1191–3 Low Two Arm Bracket Signal	
2223-4	Same as above excepting with One No. 1191-4 High Two Arm	
2223-5	Bracket Signal	
2223-6	One No. 1191–5 Three Arm Bracket Signal Bracket Post for Two Signals and Connections complete with	
2223-7	Two No. 1191–1 Low One Arm Bracket Signals	
2223-8	Bracket Signals  Bracket Post for Two Signals and Connections complete with	
2223-9	Two No. 1191–3 Low Two Arm Bracket Signals	
2223-10	Arm Bracket Signals	
2223-11	Two No. 1191–5 Three Arm Bracket Signals Bracket Post for Two Signals and Connections complete with	
2223–12	One No. 1191–1 Low One Arm and One No. 1191–3 Low Two Arm Bracket Signals Same as above except with One No. 1191–2 High One Arm and One No. 1191–4 High Two Arm Bracket Signal	



#### PIPE OPERATED COLUMN BRACKET SIGNALS

Trade No.	DESCRIPTION	List Price
2223–13	Bracket Post for Two Signals and Connections complete with One No. 1191–1 Low One Arm and One No. 1191–5 Three	
2223–14	Arm Bracket Signal	
2223–15	Bracket Post for Two Signals and Connections complete with One No. 1191–3 Low Two Arm and One No. 1191–5 Three	
2223–16	Arm Bracket Signal	
2223–17	Bracket Post for Three Signals and Connections complete for One No. 1191–1 Low One Arm Bracket Signal	
2223–18	Same as above except with One No. 1191–2 High One Arm	
2223–19	Bracket Post for Three Signals and Connections complete for One No. 1191–3 Low Two Arm Bracket Signal	
2223-20	Same as above except with One No. 1191–4 High Two Arm Bracket Signal Bracket Post for Three Signals and Connections complete	
2223-21	with One No. 1191–5 Three Arm Bracket Signal	
2223–22	Bracket Post for Three Signals and Connections complete with Two No. 1191–1 Low One Arm Bracket Signals Same as above except with Two No. 1191–2 High One Arm	
2223-24	Signals.  Bracket Post for Three Signals and Connections complete	
2223-25	with Two No. 1191–3 Low Two Arm Bracket Signals Same as above except with Two No. 1191–4 High Two Arm	******
2223–26	Bracket SignalsBracket Post for Three Signals and Connections complete	
2223–27	with Two No. 1191–5 Three Arm Bracket Signals Bracket Post for Three Signals and Connections complete with One No. 1191–1 Low One Arm and One No. 1191–3	
2223–28	Low Two Arm Bracket SignalSame as above except with One No. 1191–2 High One Arm and One No. 1191–4 High Two Arm Bracket Signal	
2223–29	Bracket Post for Three Signals and Connections complete with One No. 1191–1 Low One Arm and One No. 1191–5	
2223–30	Three Arm Bracket Signal	
2223-31	Bracket Post for Three Signals and Connections complete with One No. 1191–3 Low Two Arm and One No. 1191–5	
2223–32	Three Arm Bracket SignalSame as above excepting with One No. 1191–4 High Two Arm and One No. 1191–5 Three Arm Bracket Signal	
1190-28	Bracket Post for Two Signals complete with Connections for	
1190-29	One One Arm Signal	
1190–30	Signal	
1190–31	SignalSame as above excepting with Connections for Two One Arm Signals	
1190–32	SignalsSame as above excepting with Connections for Two Two Arm Signals	

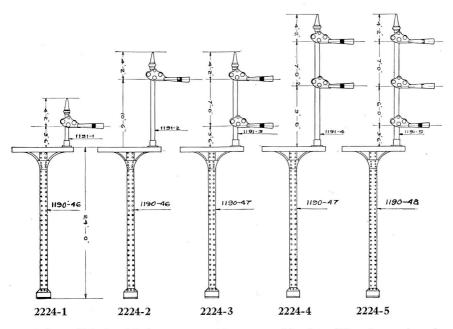


#### PIPE OPERATED COLUMN BRACKET SIGNALS

Trade No.	DESCRIPTION	List Price
1190–33	Same as above excepting with Connections for Two Three Arm	
1190–34	Signals	
1190–35	Signal and One Two Arm Signal	
1190-36	Same as above excepting with Connections for One One Arm and One Three Arm Signal	
1190–37	and One Three Arm Signal Bracket Post for Three Signals and Connections complete for	
1190–38	One One Arm Signal	
1190–39	Signal	
1190-40	Signal	
1190–41	Signals	
1190-42	Signals	
1190–43	Signals	
1190–44	One Two Arm Signal	
1190–45	One Three Arm Signal. Same as above except with Connections for One Two Arm and	• • • • • •
1191–1	One Three Arm Signal	
1191–2	Quadrant	\$72.0
1191–3	Quadrant R. S. A. Low Two Arm Bracket Signal, 90 deg. Upper	90.0
1191–4	Quadrant. R. S. A. High Two Arm Bracket Signal, 90 deg. Upper	126.0
1191–5 2236–1	Quadrant.  R. S. A. Three Arm Bracket Signal, 90 deg. Upper Quadrant Low One Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	144.00 180.00
2236-2	Quadrant	81.0
2237-1	Ouadrant	82.0
2237-2	High One Arm Bracket Signal, 6½" Roundels, 60 deg. Lower Quadrant.	100.0
2237-2	High One Arm Bracket Signal, 83%" Roundels, 60 deg. Lower Quadrant. Low Two Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	101.00
2238-2	QuadrantLow Two Arm Bracket Signal, 83%" Roundels, 60 deg. Lower	126.00
2239–1	Quadrant	128.00
239-1	Quadrant.  High Two Arm Bracket Signal, 83%" Roundels, 60 deg. Lower	144.00
2240-1	Quadrant	146.00
240-2	Quadrant	180.00
2232	Quadrant  Dummy Mast complete with Base, Pinnacle, Spectacle and	183.00
2232-1	Lamp Bracket for Vertical Light  Same as above except for Staggered Light	37.80
	oame as above except for Staggered Light	37.80



#### R. S. A. PIPE OPERATED COLUMN BRACKET SIGNALS



Prices will be furnished upon request for any combination of Signals not given in the following list.

Trade No.	DESCRIPTION	List Price
2224-1	Bracket Post for Two Signals and Connections complete with One No. 1191–1 Low One Arm Bracket Signal	
2224-2	Same as above except with One No. 1191–2 High One Arm	
2224-3	Bracket SignalBracket Post for Two Signals and Connections complete with One No. 1191–3 Low Two Arm Bracket Signal	
2224-4	Same as above excepting with One No. 1191-4 High Two Arm	
2224-5	Bracket Signal.  Bracket Post for Two Signals and Connections complete with	
2224-6	One No. 1191–5 Three Arm Bracket Signal  Bracket Post for Two Signals and Connections complete with	
2224-7	Two No. 1191–1 Low One Arm Bracket Signals Same as above excepting with Two No. 1191–2 High One Arm	
2224–8	Bracket Signals	******
2224–9	Two No. 1191–3 Low Two Arm Bracket Signals Same as above excepting with Two No. 1191–4 High Two	
2224-10	Arm Bracket SignalsBracket Post for Two Signals and Connections complete with	
2224-11	Two No. 1191–5 Three Arm Bracket Signals	
222 <del>1</del> 11	One No. 1191–1 Low Öne Arm and One No. 1191–3 Low	
2224-12	Two Arm Bracket SignalsSame as above except with One No. 1191–2 High One Arm and	
	One No. 1191–4 High Two Arm Bracket Signals	



#### R. S. A. PIPE OPERATED COLUMN BRACKET SIGNALS

Trade No.	DESCRIPTION	List Price
2224–13	Bracket Post for Two Signals and Connections complete with One No. 1191–1 Low One Arm and One No. 1191–5 Three	
2224-14	Arm Bracket Signal	
2224–15	and One No. 1191–5 Three Arm Bracket Signal Bracket Post for Two Signals and Connections complete with One No. 1191–3 Low Two Arm and One No. 1191–5 Three	
2224–16	Arm Bracket Signal	
2224–17	Bracket Post for Three Signals and Connections complete for	
2224–18	One No. 1191–1 Low One Arm Bracket Signal	
2224–19	Bracket Signal	
2224-20	Same as above except with One No. 1191–4 High Two Arm	
2224-21	Bracket Signal Bracket Post for Three Signals and Connections complete	
2224-22	with One No. 1191–5 Three Arm Bracket Signal Bracket Post for Three Signals and Connections complete with Two No. 1191–1 Low One Arm Bracket Signals,	
2224-23	Same as above except with Two No. 1191-2 High One Arm	
2224-24	Signals	
2224–25	Same as above except with Two No. 1191-4 High Two Arm	
2224-26	Bracket Signals	
2224–27	Bracket Post for Three Signals and Connections complete with One No. 1191–1 Low One Arm and One No. 1191–2 Low Two Arm Bracket Signal.	
2224-28	Same as above except with One No. 1191–2 High One Arm and One No. 1191–4 High Two Arm Bracket Signal	
2224-29	Bracket Post for Three Signals and Connections complete with One No. 1191–1 Low One Arm and One No. 1191–5	
2224-30	Three Arm Bracket Signal  Same as above except with One No. 1191–2 High One Arm and One No. 1191–5 Three Arm Bracket Signal	
2224–31	Bracket Post for Three Signals and Connections complete with One No. 1191–3 Low Two Arm and One No. 1191–5	
2224–32	Three Arm Bracket Signal Same as above excepting with One No. 1191–4 High Two Arm	
1190–46	and One No. 1191–5 Three Arm Bracket Signal  Bracket Post for Two Signals complete with Connections for One Arm Signal	
1190–47	One One Arm Signal	
1190–48	Signal Same as above excepting with Connections for One Three Arm	
1190–49	Signal	
1190–50	Signals	

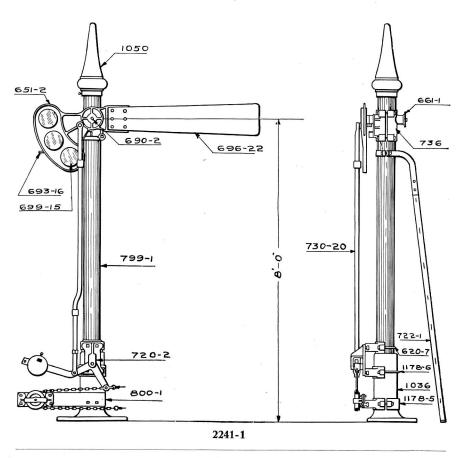


#### R. S. A. PIPE OPERATED COLUMN BRACKET SIGNALS

Trade No.	DESCRIPTION	List Price
1190-51	Same as above excepting with Connections for Two Three Arm	
1190–52	Signals. Same as above excepting with Connections for One One Arm Signal and One Two Arm Signal	
1190–53	Signal and One Two Arm Signal	
1190–54	and One Three Arm Signal Same as above excepting with Connections for One Two Arm and One Three Arm Signal	
1190-55	Bracket Post for Three Signals and Connections complete for	
1190–56	One One Arm Signal	******
1190–57	Signal	
1190–58	Signal. Same as above except with Connections for Two One Arm	*******
1190–59	Signals	
1190-60	Signals Same as above except with Connections for Two Three Arm Signals	
1190–61	Signals. Same as above except with Connections for One One Arm and	
1190–62	One Two Arm Signal	
1190-63	One Three Arm Signal	
1191–1 1191–2	R. S. A. Low One Arm Signal, 90 deg. Upper Quadrant R. S. A. High One Arm Bracket Signal, 90 deg. Upper	\$72.00
1191–3	Quadrant.  R. S. A. Low Two Arm Bracket Signal, 90 deg. Upper	90.00
1191–4	Quadrant  R. S. A. High Two Arm Bracket Signal, 90 deg. Upper	126.00
	Quadrant	144.00
1191–5 2236–1	R. S. A. Three Arm Bracket Signal, 90 deg. Upper Quadrant Low One Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	180.00
2236-2	Quadrant	81.00
2237-1	Quadrant High One Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	82.00
2237-2	Quadrant High One Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower	100.00
2238-1	QuadrantLow Two Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	101.00
2238-2	Quadrant Low Two Arm Bracket Signal, 83%" Roundels, 60 deg. Lower	126.00
2239-1	Quadrant High Two Arm Bracket Signal, 6½" Roundels, 60 deg. Lower	128.00
2239-2	Quadrant High Two Arm Bracket Signal, 83/8" Roundels, 60 deg. Lower	144.00 146.00
2240-1	Quadrant	180.00
2240-2	Quadrant	183.00
2232	Quadrant Dummy Mast complete with Base, Pinnacle, Spectacle and	37.80
2232-1	Lamp Bracket for Vertical LightSame as above except for Staggered Light	37.80



# LOW ONE ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL





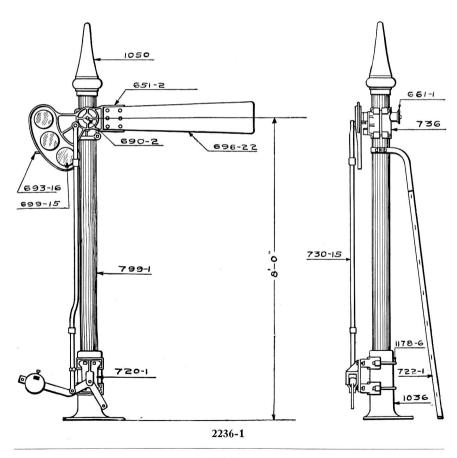
### LOW ONE ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes and Split Links are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. Signals can be furnished with any style Wood Semaphore Blade at the same price. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
2241-1	Low One Arm 60 deg. Lower Quadrant Wire Operated	
	Bridge or Bracket Signal complete as shown, 61/2" Roundels	\$84.60
2241-2	Same as above excepting 83%" Roundels	85.60
799-1	Mast OnlySame as above with 1036 Base	21.60
799-11	Same as above with 1036 Base	43.20
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
736	Semaphore Bearing with Front Half, Rear Half and Bolts for	
	fastening to Mast	4.41
690-2	Semaphore Shaft complete with Nuts, Washers and Cotters	2.70
651–2	Spectacle complete with Operating Stud, Roundel	7 74
	Rings and Bolts for 6½" Roundels	7.74
652-2	Same as above excepting for 83/8" Roundels	8.46
661–1	Back Spectacle complete with Roundel Ring and Bolts (takes	1.26
661-2	3" Roundels), used with 651–2 Spectacle	1.20
001-2	Back Spectacle complete with Roundel Ring and Bolts (takes 3" Roundels), used with 652–2 Spectacle	1.26
699-5	Class Poundels, used with 052-2 Speciacle	
699-15	Glass Roundels, 3" dia. Specify Color	
699–13	" " 83 <sub>8</sub> " " " "	
696-22	Semaphore Blade complete with six Bolts	2.46
693–16	Lamp Bracket and Support complete with Bolts for fastening,	2.40
070 10	for use with 651–2 Semaphore Spectacle	3.60
693-17	Same as above except for 652–2 Semaphore Spectacle	3.60
730-20	Operating Rod complete with Screw Jaw and Eye Rod	4.50
720-2	One Way Balance Lever Stand complete with Pin, Cotter	1.00
. 20 2	Lever, 10 lb. Counterweight and Bolts	6.65
1178-6	Clamp for Lower Part of Balance Lever Stand complete with	
	U Bolt and Bolts for fastening Stand	2.95
620 - 7	Same as above except for Upper Part of Balance Lever	2.34
1178-5	Clamp for Signal Wheel complete with Back Half and One	
	Bolt and Bolts for fastening Signal Wheel	2.95
800-1	One Way Signal Wheel complete with Support Brace and	
-	Bolts	3.93
722 - 1	Ladder complete with Top Pieces, Clamps and Bolts for	
	fastening  Double Shackle complete with Pin and Cotter	9.00
703-46	Double Shackle complete with Pin and Cotter	. 20
703-1	Wire Eyes	. 04
703-11	Split Link, per C.	3.60
703–16	½" Proof Chain, per ft	.14



# LOW ONE ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





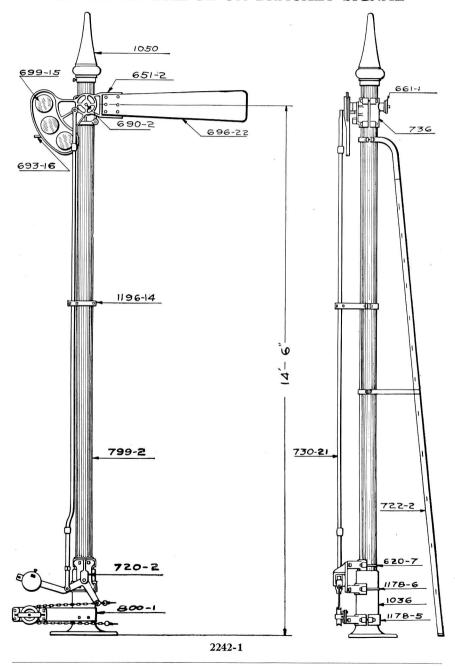
### LOW ONE ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. Signals can be furnished with any style Wood Semaphore Blade at the same list price. Orders should specify Blade desired, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
2236-1	Low One Arm 60 deg. Lower Quadrant Pipe Operated Bridge	
	or Bracket Signal complete as shown, 6½" Roundels	\$81.00
2236–2	Same as above except 83/8" Roundels	82.00
799–1	Mast Only	21.60
799–11	Same as above with 1036 Base	43.20
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
736	Semaphore Bearing with Front Half, Rear Half and Bolts for	
	fastening to MastSemaphore Shaft complete with Nuts, Washers and Cotters	4.41
690–2	Semaphore Shaft complete with Nuts, Washers and Cotters	2.70
651-2	"Spectacle complete with Operating Stud, Roundel	
4 T O O	Rings and Bolts for 6½" Roundels	7.74
652-2	Same as above excepting for 83%" Roundels	8.46
661–1	Back Spectacle complete with Roundel Ring and Bolts (takes	1 00
((1 0	3" Roundels), used with 651–2 Spectacle	1.26
661-2	Back Spectacle complete with Roundel Ring and Bolts (takes	1 06
600 5	3" Roundels), used with 652–2 Spectacle	1.26
699-5	Glass Roundels, 3" dia. Specify Color	
699–15	Glass Roundels, 3" dia. Specify Color	
699–19 696–22	S Dia Januarith oir Bolto	2.46
693–16	Semaphore Blade complete with six BoltsLamp Bracket complete with Bolts for fastening, for use with	2.40
093-10	651–2 Semaphore Spectacle	3.60
693–17	Same as above except for 652–2 Semaphore Spectacle	3.60
730–17	Operating Rod complete with Screw Jaw and Eye Rod	4.50
730-13	One Way Balance Lever Stand complete with Pin, Cotter	4.30
720-1	Balance Lever, 40 lb. Counterweight and Bolts	9.62
1178–6	Clamp for Balance Lever Stand complete with U Bolts and	7.02
11/0-0	Bolts for fastening Stand	2.95
722-1	Ladder complete with Clamps and Top Pieces	9.00



#### HIGH ONE ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL





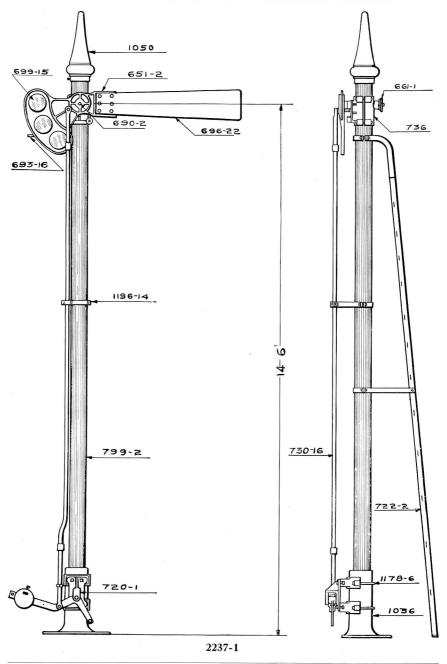
### HIGH ONE ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. Signals can be furnished with any style Wood Semaphore Blade at the same price. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
2242-1	High One Arm 60 deg. Lower Quadrant Wire Operated Bridge	
	or Bracket Signal complete as shown, 6½" Roundels	\$104.40
2242-2	Same as above except 83/8" Roundels	105.40
799-2	Mast OnlySame as above with 1036 Base	36.00
799-22	Same as above with 1036 Base	57.60
1036	Base	16.20
1050	Pinnacle with Set ScrewSemaphore Bearing with Front Half, Rear Half and Bolts for	2.70
736	Semaphore Bearing with Front Half, Rear Half and Bolts for	
	fastening to MastSemaphore Shaft complete with Nuts, Washers and Cotters	4.41
690-2	Semaphore Shaft complete with Nuts, Washers and Cotters	2.70
651-2	"Spectacle complete with Operating Stud and	
	"Spectacle complete with Operating Stud and Roundel Rings and Bolts for 6½" Roundels	7.74
652-2	Same as above except for 83/8" Roundels	8.46
661-1	Back Spectacle complete with Roundel Ring and Bolts (takes	
	3" Roundels), used with 651-2 Spectacle	1.26
661-2	Back Spectacle complete with Roundel Ring and Bolts (takes	4 06
	3" Roundels), used with 652-2 Spectacle	1.26
699–5	Glass Roundels, 3" dia. Specify Color	
699–15	Glass Roundels, 3" dia. Specify Color	
699–19	" " 83/8" " " " "	
696-22	Semaphore Blade complete with six Bolts	2.46
693–16	Lamp Bracket and Support complete with Bolts for fastening,	2 (0
	for use with 651–2 Semaphore Spectacle	3.60
693–17	Same as above except for 652–2 Semaphore Spectacle	3.60 4.95
730-21	Operating Rod complete with Screw Jaw and Eye Rod	4.95
1196–14	Pipe Guide, One Way, complete with Bolts for fastening to	1.49
<b>5</b> 20 0	Mast	1.49
720-2	One Way Balance Lever Stand complete with Pin, Cotter	6.65
1170 (	Lever, 10 lb. Counterweight and Bolts	0.03
1178–6	LI D. L. for fortaining Stand	2.95
600 7	U Bolts for fastening StandSame as above except for Upper Part of Balance Lever	2.34
620-7	Clamp for Signal Wheel complete with Back Half and One	2.01
1178–5	Bolt and Bolts for fastening Signal Wheel	2.95
800-1	One Way Signal Wheel complete with Support Brace and	2.75
800-1	Dala	3.93
722-2	Ladder complete with Top Pieces Clamps Stave and Rolts	0.50
122-2	Bolts  Ladder complete with Top Pieces, Clamps, Stays and Bolts for fastening.  Double Sheekle complete with Pin and Cotter	13.95
703-46	Double Shackle complete with Pin and Cotter	.20
703-40	Wire Eyes	.04
703-1	Split Links, per C	3.60
703–11	½" Proof Chain, per ft	.14



### HIGH ONE ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





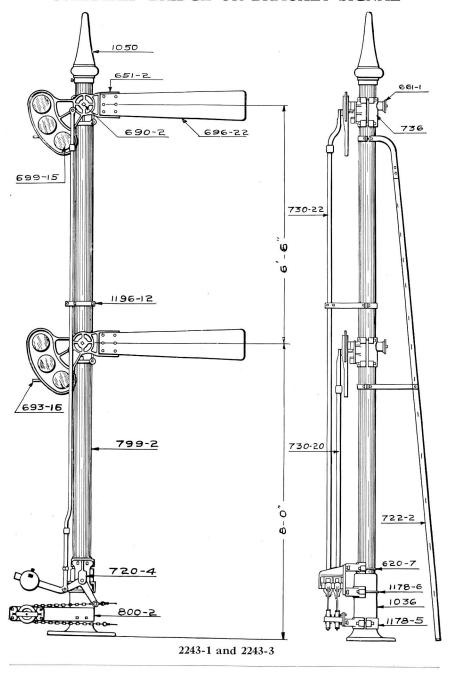
### HIGH ONE ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps are not included in list prices but Signals are furnished complete with Roundels and Fittings as shown. Signals can be furnished with any style Wood Semaphore Blade at the same list price. Orders should specify Blade desired, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
2237–1	High One Arm 60 deg. Lower Quadrant Pipe Operated Bridge	
	or Bracket Signal complete as shown, 6½" Roundels	\$100.00
2237-2	Same as above except with 83/8" Roundels	101.00
799–2	Mast OnlySame as above with 1036 Base	36.00
799–22		57.60
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
736	Semaphore Bearing with Front Half, Rear Half and Bolts for	
	fastening to Mast	4.41
690-2	fastening to Mast	2.70
651-2	" Spectacle complete with Operating Stud, Roundel	
74	Rings and Bolts for 6½" Roundels	7.74
652-2	Same as above excepting for 83/8" Roundels	8.46
661-1	Back Spectacle complete with Roundel Rings and Bolts,	
	(takes 3" Roundels), used with 651–2 Spectacle	1.26
661-2	Back Spectacle complete with Roundel Ring and Bolts (takes	
	3" Roundels), used with 652-2 Spectacle	1.26
699-5	Glass Roundels, 3" dia. Specify Color " " " " " " " " " " " " " " " " " " "	
699–15	" 6½" " " "	
699-19	" " 83/8" " " "	
696-22	Semaphore Blade complete with six Bolts	2.46
693-16	Lamp Bracket and Support complete with Bolts for fastening	
	for use with 651–2 Semaphore Spectacle	3.60
693-17	Same as above except for 652–2 Semaphore Spectacle	3.60
730-16	Operating Rod complete with Screw Jaw and Eye Rod	4.95
1196-14	Pipe Guide, One Way, complete with Bolts for fastening to	
	Mast	1.49
720-1	One Way Balance Lever Stand complete with Pin, Cotter	
	Balance Lever, 40 lb. Counterweight and Bolts	9.62
1178-6	Clamp for Balance Lever Stand complete with U Bolts and	
AND CONTROL OF THE PARTY OF THE	Bolts for fastening Stand	2.95
722-2	Ladder complete with Top Pieces, Clamps, Stays and Bolts.	13.95



#### LOW TWO ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL





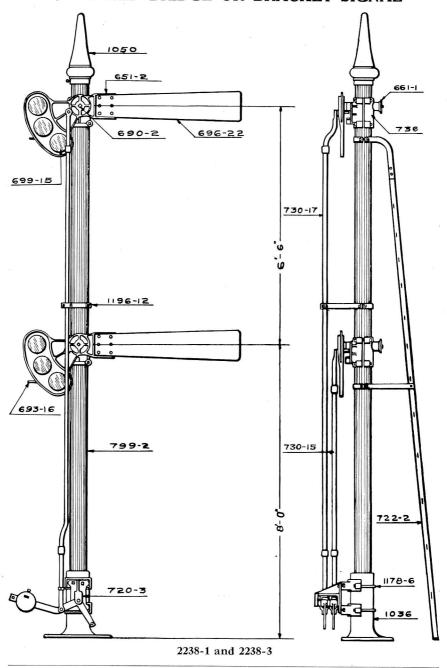
#### LOW TWO ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list price, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 30 deg. position. When Signals are ordered with Arms which are limited in travel, orders should specify whether they are limited from 0 deg. to 30 deg. or from 30 deg. to 60 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at the same price. Orders should specify Blade required, also color and number of Roundels required.

Trade No.	DESCRIPTION	List Price
2243-1	Low Two Arm 60 deg. Lower Quadrant Wire Operated Bridge	
	or Bracket Signal, Two Arms Operative, complete as shown,	P122 20
2242 2	6½" Roundels	\$133.20
2243–3	Operative	126.90
2243-2	Low Two Arm 60 deg. Lower Quadrant Wire Operated Bridge	
	or Bracket Signal Two Arms Operative, 83/8" Roundels	135.20
2243-4	Same as above except with One Arm Operative and One Arm	128.90
799–2	Fixed	36.00
799-2	Mast Only	57.60
1036	Base	16.20
1050	Pinnacle	2.70
.736	Pinnacle Semaphore Bearing with Front and Rear Half and Bolts for	
	fastening to Mast	$\frac{4.41}{2.70}$
690-2	Semaphore Shaft complete with Nuts, Washers and Cotters.	2.70
651-2	"Spectacle complete with Operating Stud and Roundel Rings and Bolts for 6½" Roundels	7.74
652-2	Same as above except for 83/8" Roundels	8.46
661-1	Back Spectacle complete with Roundel Ring and Bolts, (takes	0.10
001 1	3" Roundels), used with 651–2 Spectacle	1.26
661-2	Back Spectacle complete with Roundel Ring and Bolts, (takes	
	3" Roundels), used with 652-2 Spectacle	1.26
699-5	Glass Roundels, 3" dia. Specify Color	
699–15 699–19	" " 6½" " " " "	
696-22	Semaphore Blade complete with six Bolts	2.46
693-16	Lamp Bracket and Support complete with Bolts for fastening,	
070 10	for use with 651–2 Semaphore Spectacle	3.60
693-17	Same as above except for 652–2 Semaphore Spectacle	3.60
730–20	Operating Rod for Lower Signal complete with Screw Jaw and	4.50
720 00	Eye RodOperating Rod for Upper Signal complete with Screw Jaw and	4.50
730–22	Operating Rod for Opper Signal complete with Screw Jaw and	5.40
1196-12	Eye Rod	0.10
1170 12	Mast	1.49
720 - 4	Two Way Balance Lever Stand complete with Pin, Cotter,	
	Lever, 10 lb. Counterweight, Bolts and Separators	12.32
1178-6	Clamp for Lower Part of Balance Lever Stand complete with	2.95
(20 7	U Bolt and Bolts for fastening Stand	2.93
620–7 1178–5	Same as above except for Upper Part of Balance Lever Clamp for Signal Wheel complete with Back Half and One	2.54
1176-3	Bolt and Bolts for fastening Signal Wheel	2.95
800-2	Two Way Signal Wheel complete with Support Brace and	
	Bolt	4.44
722 - 2	BoltLadder complete with Top Pieces, Clamps, Stays and Bolts	12.05
702 46	for fastening.  Double Shackle complete with Pin and Cotter	13.95
703–46 703–1	Wire Free	. 20
703-1 703-11	Wire Eyes	3.60
703–11	½" Proof Chain, per ft	.14



# LOW TWO ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





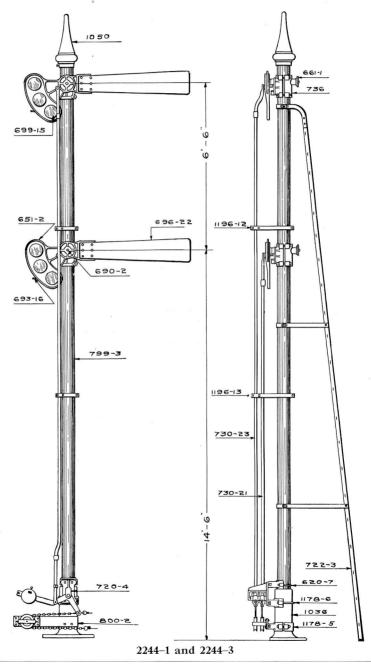
# LOW TWO ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 30 deg. position. When Signals are ordered with Arms which are limited in travel, orders should specify whether they are limited from 0 deg. to 30 deg. or from 30 deg. to 60 deg. Prices for Limited Travel Arms are same as on Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at same list price. Orders should specify Blades desired, also color and number of Roundels.

	1	1
Trade No.	DESCRIPTION	List Price
2238-1	Low Two Arm 60 deg. Lower Quadrant Pipe Operated Bridge or Bracket Signal with Two Arms Operative, complete as	
	shown, 6½" Roundels	\$126.00
2238 - 3	shown, 6½" Roundels	
2220 2	Fixed	119.70
2238-2	Low Two Arm 60 deg. Lower Quadrant Pipe Operated Bridge	100.00
2238-4	or Bracket Signal with Two Arms Operative, 838" Roundels Same as above except with One Arm Operative and One Arm	128.00
2230-4	Fixed	121.70
799-2	Mast Only.	36.00
799-22	Same as above with 1036 Base	57.60
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
736	Semaphore Bearing with Front Half, Rear Half and Bolts for	
	fastening to Mast	4.41
690-2	Semaphore Shaft complete with Nuts, Washers and Cotters	2.70
651-2	Spectacle complete with Operating Stud, Roundel	7 74
652-2	Rings and Bolts for $6\frac{1}{2}$ Roundels	7.74 8.46
661-1	Same as above excepting for 83/8" Roundels	8.40
001 1	(takes 3" Roundels), used with 651–2 Spectacle	1.26
661-2	Back Spectacle complete with Roundel Ring and Bolts (takes	1.20
	3" Roundels), used with 652-2 Spectacle	1.26
699-5	Glass Roundels, 3" dia. Specify Color	
699-15	" " 6½" " "	
699–19		
696–22 693–16	Semaphore Blade complete with six Bolts	2.46
093-10	Lamp Bracket and Support complete with Bolts for fastening, for use with 651–2 Semaphore Spectacle	3.60
693-17	Same as above except for 652–2 Semaphore Spectacle	3.60
730-15	Operating Rod for Lower Signal complete with Screw Jaw	3.00
	and Eye Rod	4.50
.730-17	and Eye Rod Operating Rod for Upper Signal complete with Screw Jaw	
	and Eye Rod	5.40
1196–12	and Eye RodPipe Guide, One Way, complete with Bolts for fastening to	
700 2	Mast	1.49
720–3	Two Way Balance Lever Stand complete with Pin, Cotter,	10.00
1178-6	Lever, 40 lb. Counterweight, Bolts and Separators Clamp for Balance Lever Stand complete with U Bolts and	18.26
11100	Bolts for fastening Stand	2.95
722-2	Ladder complete with Top Pieces, Clamps, Stays and Bolts	13.95
	Top 1 1000, Otaly and Doits.	10.70



#### HIGH TWO ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL





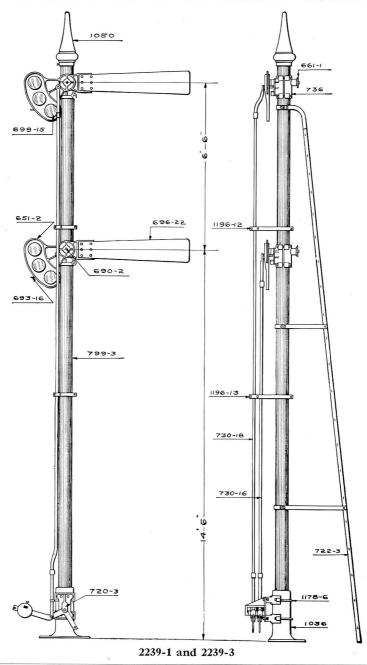
#### HIGH TWO ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 30 deg. position. When Signals are ordered with Arms which are limited in travel, orders should specify whether they are limited from 0 deg. to 30 deg. to 60 deg. Prices for Limited Travel Arms er same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at the same price. Orders should specify Blade required, also color and number of Roundels required.

Trade No.	DESCRIPTION	List Price
2244-1	High Two Arm 60 deg. Lower Quadrant Wire Operated Bridge or Bracket Signal with Two Arms Operative, complete as	\$155.20
2244-3	shown, 6½" Roundels Same as above except with One Arm Operative and One Arm Fixed	148.90
2244-2	Fixed	157.20
2244-4	Same as above except with One Arm Operative and One Arm Fixed	150.90
799-3	Mast Only Same as above with Base 1036	50.40
799-33	Same as above with Base 1036	72.00
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
736	Pinnacle with Set Screw. Semaphore Bearing with Front and Rear Half and Bolts for fastening to Mast. Semaphore Shaft complete with Nuts, Washers and Cotters	4.41
690-2	Semaphore Shaft complete with Nuts, Washers and Cotters	2.70
651-2	" Spectacle complete with Operating Stud, Roundel	
	Rings and Bolts for 6½" Roundels	7.74
652-2	Same as above excepting for 83/8" Roundels	8.46
661 - 1	Back Spectacle complete with Roundel Ring and Bolts, (takes	
002 -	3" Roundels) used with 651-2 Spectacle	1.26
661-2	Rack Spectacle complete with Roundel Ring and Bolts, (takes	
001 2	3" Roundels), used with 652-2 Spectacle	1.26
699-5	Glass Roundels, 3" dia. Specify Color	
699–15	" 6½" " " " " "	
699–19	" " 83 <sub>8</sub> " " " "	
696-22	Semaphore Blade complete with six Bolts	2.46
693-16	Lamp Bracket and Support complete with Bolts for fastening,	
093-10	for use with 651–2 Semaphore Spectacle	3.60
693-17	Same as above except for 652–2 Semaphore Spectacle	3.60
730-21	Operating Rod for Lower Signal complete with Screw Jaw and	
130-21	Eve Red	4.95
730-23	Eye RodOperating Rod for Upper Signal complete with Screw Jaw and	
130-23	Eve Rod	5.85
1196-12	Eye Rod	
1190-12	Mast	1.49
1196-13	Same as above except Two Way	1.76
720-4	Two Way Balance Lever Stand complete with Pin, Cotter,	
120-4	Lever, 10 lb. Counterweight, Bolts and Separators	12.32
1170 6	Clamp for Lower Part of Balance Lever Stand complete with	
1178–6	U Bolt and Bolts for fastening Stand	2.95
600 7	Same as above except for Upper Part of Balance Lever	2.34
620-7	Clamp for Signal Wheel complete with Back Half and One	2.01
1178–5	Bolt and Bolts for fastening Signal Wheel	2.95
000 0	Two Way Signal Wheel complete with Support Brace and	2.70
800–2	Bolts	4.44
700 2	Ladder complete with Top Pieces, Clamps, Stays and Bolts	
722 - 3	for factoring	18.90
702 46	for fastening.  Double Shackle complete with Pin and Cotters	.20
703–46 703–11	Split Links, per C	3.60
	Spirt Links, per C.  4" Proof Chain, per ft.	.14
703–16	Wire Eyes	.04
703-1	whe Eyes	.01



### HIGH TWO ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





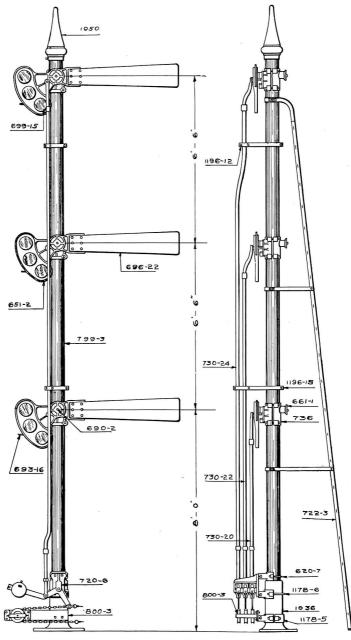
### HIGH TWO ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 30 deg. position. When Signals are ordered with Arms which are limited in travel, orders should specify whether they are limited from 0 deg. to 30 deg. or from 30 deg. to 60 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blades at same list prices. Orders should specify Blades required, also color and number of Roundels required.

Trade No.	DESCRIPTION	List Price
2239–1	High Two Arm 60 deg. Lower Quadrant Pipe Operated Bridge	
	or Bracket Signal, Two Arms Operative, complete as shown,	\$144.00
2239-3	6½" Roundels	\$144.00
2207 0	Fixed	137.70
2239-2	High Two Arm 60 deg. Lower Quadrant Pipe Operated Bridge	20
	or Bracket Signal, Two Arms Operative, 83/8" Roundels.	146.00
2239-4	Same as above excepting with One Arm Operative and One	
799–3	Arm Fixed	139.70
799–3 799–33	Mast OnlySame as above with Base 1036	50.40 72.00
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
736	Pinnacle with Set Screw. Semaphore Bearing with Front Half, Rear Half and Bolts for	2.70
	fastening to Mast	4.41
690-2	Semaphore Shaft complete with Nuts, Washers and Cotters	2.70
651-2	"Spectacle complete with Operating Stud. Roundel	
	Rings and Bolts, 6½" Roundels	7.74
652-2	Same as above excepting 83/8" Roundels	8.46
661-1	Back Spectacle complete with Roundel Ring and Bolts, (takes	
661-2	3" Roundels), used with 651-2 Spectacles	1.26
001-2	Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 652–2 Spectacles	1.26
699-5	Glass Roundels 3" dia Specify Color	1.20
699-15	Glass Roundels, 3" dia. Specify Color	
699-19	" " 83/8/1 " " "	
696-22	Semaphore Blade complete with six Bolts	2.46
693 - 16	Lamp Bracket and Support complete with Bolts for fastening,	
	for use with 651–2 Semaphore Spectacle	3.60
693-17	Same as above except for 652–2 Semaphore Spectacle	3.60
730–16	Operating Rod for Lower Signal complete with Screw Jaw	4.05
730-18	and Eye RodOperating Rod for Upper Signal complete with Screw Jaw	4.95
130-16	and Eve Rod	5.85
1196-12	and Eye Rod	3.03
	Mast	1.49
1196-13	Same as above except Two Way	1.76
720 - 3	Two Way Balance Lever Stand complete with Pin. Cotter.	
	Lever, 40 lb. Counterweight, Bolts and Separators	18.26
1178-6	Clamp for Balance Lever Stand complete with U Bolts and	
722-3	Bolts for fastening Stand	2.95
122-3	Ladder complete with Top Pieces, Clamps, Stays and Bolts	10.00
	for fastening	18.90



### THREE ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL



2245-1 and 2245-3



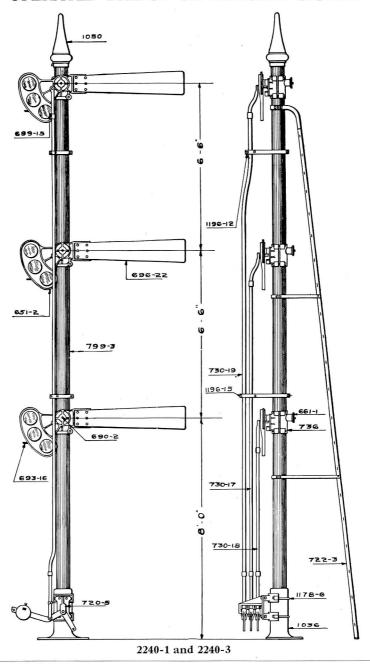
#### THREE ARM 60 DEG. LOWER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list price, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 30 deg. position. When Signals are ordered with Arms which are limited in travel, orders should specify whether they are limited from 0 deg. to 30 deg. or from 30 deg. to 60 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at same price. Orders should specify Blade required, also color and number of Roundels required.

Trade No.	DESCRIPTION	List Price
2245-1	Three Arm 60 deg. Lower Quadrant Wire Operated Bridge or Bracket Signal with Three Arms Operative, complete as	\$188.40
2245-3	shown, 6½" Roundels	
2245–2	Fixed	182.10
2245-4	RoundelsSame as above except with Two Arms Operative and One Arm	191.40
700 0	Fixed	185.10
799–3	Mast OnlySame as above with Base 1036	50.40
799–33		72.00
1036	Base	16.20
1050	Pinnacle with Set Screw. Semaphore Bearing with Front Half, Rear Half and Bolts	2.70
736	Semaphore Bearing with Front Half, Rear Half and Bolts	
	for fastening to Mast	4.41
690–2	Semaphore Shaft complete with Nuts, Washers and Cotters	2.70
651-2	"Spectacle complete with Operating Stud, Roundel	
	Rings and Bolts for 6½" Roundels	7.74
652-2	Same as above, excepting for 83/8" Roundels	8.46
661–1	Back Spectacle complete with Roundel Ring and Bolts, takes 3" Roundels and used with 651–2 Spectacle	1.26
661-2	Back Spectacle complete with Roundel Ring and Bolts, takes	
	3" Roundels, used with 652-2 Spectacles	1.26
699-5	Class Davis Jala 2// Jia Caraifa Calan	
699–15	" " 61/2" " " " " " " " " " " " " " " " " " "	
699–19		
696-22	Semaphore Blade complete with six Bolts	2.46
693–16	Lamp Bracket and Support complete with Bolts for fastening, for use with 651–2 Semaphore Spectacle	3.60
693-17	Same as above except for 652–2 Semaphore Spectacle	3.60
730-20	Operating Rod for Lower Signal complete with Screw Jaw	3.00
700 20	and Eve Rod	4.50
730-22	and Eye RodOperating Rod for Middle Signal complete with Screw Jaw	1.00
.00 22		5.40
730-24	Operating Rod for Upper Signal complete with Screw Jaw	0.10
	and Eve Rod	6.30
1196-12	and Eye RodPipe Guide, One Way, complete with Bolts for fastening to Mast	1.49
1196-15	Same as above except Two Way	1.76
720-6	Three Way Balance Lever Stand complete with Pin, Cotter,	
4450	Levers, 10 lb. Counterweight, Bolts and Separators	17.36
1178–6	Clamp for Lower Part of Balance Lever Stand, complete with U Bolt and Bolts for fastening Stand	2.95
620-7	Same as above except for Upper Part of Balance Lever	2.34
1178-5	Clamp for Signal Wheel complete with Back Half and One	2.01
	Bolt and Bolts for fastening Signal Wheel	2.95
800-3	Three Way Signal Wheel complete with Support Brace and Bolts	4.88
722-3	Ladder complete with Top Pieces, Clamps, Stays and Bolts	18.90
703-46	Ladder complete with Top Pieces, Clamps, Stays and Bolts Double Shackle complete with Pin and Cotter	.20
703-1	Wire Eyes	.04
703-11	Split Links, per C	3.60
703-16	1/4" Proof Chain, per ft	.14
-		



#### THREE ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





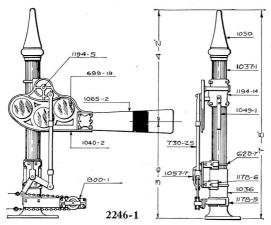
### THREE ARM 60 DEG. LOWER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps are not included in list prices, but Signals are furnished complete with Roundels. When Signals are ordered with Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 30 deg. position. When Signals are ordered with Arms which are limited in travel, orders should specify whether they are limited from 0 deg. to 30 deg. or from 30 deg. to 60 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at same list prices. Orders should specify Blades required, also color and number of Roundels.

Three Arm 60 deg. Lower Quadrant Pipe Operated Bridge or Bracket Signal with Three Arms Operative, complete as shown, 6½" Roundels	Trade No.	DESCRIPTION	List Price
Fixed	2240–1	Three Arm 60 deg. Lower Quadrant Pipe Operated Bridge or Bracket Signal with Three Arms Operative, complete as shown, 61/2" Roundels	\$180.00
Three Arm 60 deg. Lower Quadrant Pipe Operated Bridge or Bracket Signal with Three Arms Operative, complete as shown, 83½" Roundels	2240-3	Same as above except with Two Arms Operative and One Arm	173.70
Same as above except with Two Arms Operative and One Arm Fixed	2240-2	Three Arm 60 deg. Lower Quadrant Pipe Operated Bridge	
Mast Only   50.40	2240-4	Same as above except with Two Arms Operative and One Arm	
799-33		Fixed	
1036			
Pinnacle with Set Screw Semaphore Bearing with Front Half, Rear Half and Bolts for fastening to Mast.  Semaphore Shaft complete with Nuts, Washers and Cotters Spectacle complete with Operating Stud, Roundel Rings and Bolts for 6½" Roundels.  Same as above, excepting for 8¾6" Roundels.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 651–2 Spectacles.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 652–2 Spectacles.  Glass Roundels, 3" dia. Specify Color.  """""""""""""""""""""""""""""""""""			
fastening to Mast.  Semaphore Shaft complete with Nuts, Washers and Cotters  "Spectacle complete with Operating Stud, Roundel Rings and Bolts for 6½" Roundels.  Same as above, excepting for 8¾%" Roundels.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 651–2 Spectacles.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 652–2 Spectacles.  Glass Roundels, 3" dia. Specify Color.  ""6½"""""""""""""""""""""""""""""""""		Base	
fastening to Mast.  Semaphore Shaft complete with Nuts, Washers and Cotters  "Spectacle complete with Operating Stud, Roundel Rings and Bolts for 6½" Roundels.  Same as above, excepting for 8¾%" Roundels.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 651–2 Spectacles.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 652–2 Spectacles.  Glass Roundels, 3" dia. Specify Color.  ""6½"""""""""""""""""""""""""""""""""		Pinnacle with Set Screw	2.70
fastening to Mast.  Semaphore Shaft complete with Nuts, Washers and Cotters  "Spectacle complete with Operating Stud, Roundel Rings and Bolts for 6½" Roundels.  Same as above, excepting for 8¾%" Roundels.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 651–2 Spectacles.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 652–2 Spectacles.  Glass Roundels, 3" dia. Specify Color.  ""6½"""""""""""""""""""""""""""""""""	736	Semaphore Bearing with Front Half, Rear Half and Bolts for	
651-2  652-2  661-1  652-2  661-1  Back Spectacle complete with Roundels		fastening to Mast	
Rings and Bolts for 6½" Roundels.  Same as above, excepting for 8¾" Roundels.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 651–2 Spectacles.  Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 652–2 Spectacles.  Glass Roundels, 3" dia. Specify Color.  """""""""""""""""""""""""""""""""""		Semaphore Shaft complete with Nuts, Washers and Cotters	2.70
Same as above, excepting for 83%" Roundels	651-2	" Spectacle complete with Operating Stud, Roundel	
Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 651–2 Spectacles		Rings and Bolts for $6\frac{1}{2}$ " Roundels	
3" Roundels), used with 651–2 Spectacles   1.26		Same as above, excepting for 83/8" Roundels	8.46
Back Spectacle complete with Roundel Ring and Bolts, (takes 3" Roundels), used with 652–2 Spectacles	661–1	Back Spectacle complete with Roundel Ring and Bolts, (takes	
3" Roundels), used with 652-2 Spectacles		3" Roundels), used with 651–2 Spectacles	1.26
699-15 699-19 696-22 693-16 693-16 693-17 730-15 730-17 730-17 730-19 Operating Rod for Lower Signal complete with Screw Jaw and Eye Rod 730-19 Operating Rod for Upper Signal complete with Screw Jaw and Eye Rod 730-19 Pipe Guide, One Way, complete with Bolts for fastening to Mast 1196-15 Same as above except Two Way 1178-6 Three Way Balance Lever Stand complete with Pin, Cotter, Levers, 40 lb. Counterweight, Bolts and Separator 722-3 Ladder complete with Top Pieces, Clamps, Stays and Bolts	661-2	Back Spectacle complete with Roundel Ring and Bolts, (takes	
696–22 Semaphore Blade complete with six Bolts		3" Roundels), used with 652–2 Spectacles	
696–22 Semaphore Blade complete with six Bolts		Glass Roundels, 3" dia. Specify Color	
696–22 Semaphore Blade complete with six Bolts		" " 6½" " " · · · · · · · · · · · · · · · · ·	
693–16 Lamp Bracket and Support complete with Bolts for fastening, for use with 651–2 Semaphore Spectacle			
for use with 651–2 Semaphore Spectacle		Semaphore Blade complete with six Bolts	2.46
5.40  730–15 Same as above except for 652–2 Semaphore Spectacle  730–15 Operating Rod for Lower Signal complete with Screw Jaw and Eye Rod	693–16	Lamp Bracket and Support complete with Bolts for fastening,	2 (0
730–15 Operating Rod for Lower Signal complete with Screw Jaw and Eye Rod. Operating Rod for Middle Signal complete with Screw Jaw and Eye Rod.  730–17 Operating Rod for Upper Signal complete with Screw Jaw and Eye Rod. Operating Rod for Upper Signal complete with Screw Jaw and Eye Rod.  1196–12 Pipe Guide, One Way, complete with Bolts for fastening to Mast.  1196–15 Same as above except Two Way. 1176 Three Way Balance Lever Stand complete with Pin, Cotter, Levers, 40 lb. Counterweight, Bolts and Separator. Clamp for Balance Lever Stand complete with U Bolts and Bolts for fastening Stand.  2.95 Ladder complete with Top Pieces, Clamps, Stays and Bolts		for use with 651–2 Semaphore Spectacle	
and Eye Rod		Same as above except for 052–2 Semaphore Spectacle	3.60
and Eye Rod	730-15	Operating Rod for Lower Signal complete with Screw Jaw	4 50
and Eye Rod	720 47	and Eye Rod	4.50
and Eye Rod	730-17	Operating Rod for Middle Signal complete with Screw Jaw	5 40
and Eye Rod	720 40	and Eye Rod.	5.40
1196–12 Pipe Guide, One Way, complete with Bolts for fastening to Mast	730-19	Operating Rod for Opper Signal complete with Screw Jaw	6 20
Mast	1106 10	Dia Cuida One Way appropriate with Polts for fortering to	0.30
1196–15 Same as above except Two Way	1190-12		1 40
720-5 Three Way Balance Lever Stand complete with Pin, Cotter, Levers, 40 lb. Counterweight, Bolts and Separator	1106 15	Same as above except Two Way	
Levers, 40 lb. Counterweight, Bolts and Separator		Three Way Release I ever Stand complete with Din Cotton	1.70
1178-6 Clamp for Balance Lever Stand complete with U Bolts and Bolts for fastening Stand	120-5	I hree way balance Lever Stand complete with Pin, Cotter,	26 27
Bolts for fastening Stand	1170 6	Clarent for Polonce I even Stand complete with II Polonce I	20.27
722-3 Ladder complete with Top Pieces, Clamps, Stays and Bolts	11/8-0		2.05
for fortening 18 00	722_2	Ladder complete with Top Pieces Clamps Stave and Rolts	2.93
	122-3	for factoring	18 90



### LOW ONE ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL



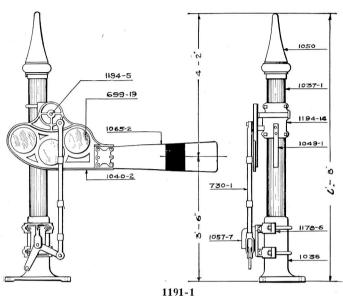
Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. Signals can be furnished with any desired style Wood Semaphore Blade at same prices. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
2246-1	Low One Arm 90 deg. Upper Quadrant Wire Operated Bridge and Bracket Signal, complete as shown	\$78.30
2246-2	and Bracket Signal, complete as shown	
1027 1	Spectacle	78.30
1037-1 1037-11	Mast Only	7.20
1037-11		28.80
1050	Base	16.20 2.70
1194–14	Pinnacle with Set Screw. Semaphore Bearing complete with Spring Stop and U Bolt for	2.70
1194-14	1040 Spectacle	9.00
1194-15	Semaphore Bearing complete with Spring Stop, Clamp and	9.00
11/1 10	U Bolt for 1041 Spectacle	10.00
1194-5	Shaft complete with Washer, Cotter and Pin	2.25
1040-2	Semaphore Spectacle complete with Operating Stud Roundel	2.20
	Rings and Bolts, Design "A"	17.10
1041 - 2	Rings and Bolts, Design "A".  Semaphore Spectacle, complete with Operating Stud, Roundel	27.120
	Rings and Bolts, Design "B"	16.20
699-19	Glass Roundels, 83/8" dia. Specify Color	
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049-1	Lamp Bracket and Support complete with Nuts and Bolts for	
	<b>R. S. A.</b> 1040 Spectacle	3.60
1049-2	Lamp Bracket and Support complete with Nuts and Bolts	7 7 1
	for R. S. A. 1041 Spectacle Operating Rod complete with Screw Jaw and Eye Rod	4.50
730-25	Operating Rod complete with Screw Jaw and Eye Rod	3.60
1057-7	One Way Crank Stand complete with Pin, Cotter and One	- 1
1170 5	9" x 9" Crank	3.60
1178-5	Clamp for Signal Wheel complete with Back Half and Bolts	2 07
1178-6	for fastening Stand	2.95
1176-0	fastening Stand	2.95
620-7	Clamp for Crank Stand complete with U Bolt and Bolts for	2.95
020 7	fastening Stand	2.34
800-1	One Way Signal Wheel complete with Support, Brace and Bolts	3.93
703-46	Double Shackle complete with Pin and Cotter	.20
703-1	Wire Eyes.	.04
703-11	Split Links, per C	3.60
703-16	½" Proof Chain, per ft	.14



### R. S. A. ONE ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

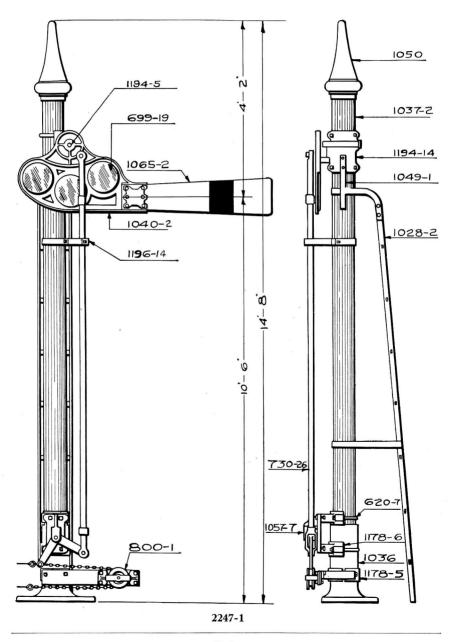
Lamps are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. Signals can be furnished with any style Wood Semaphore Blade at same prices. Orders should specify Blade required, also color and number of Roundels.



Trade No.	DESCRIPTION	List Price
1191–1	R. S. A. One Arm 90 deg. Upper Quadrant Pipe Operated	
	Bridge or Bracket Signal, complete as shown	\$72.00
1191-11	Same as above with R. S. A. 1041 Design "B" Spectacle	72.00
1037-1	Mast Only	7.20
1037-11	Mast with Base	28.80
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
1194-14	Semaphore Bearing complete with Spring Stop and U Bolts	
	for 1040 Spectacle	9.00
1194 - 15	for 1040 SpectacleSemaphore Bearing complete with Spring Stop, Clamp and	
	U Bolt for No. 1041 Spectacle	10.00
1194-5	Shaft complete with Washer, Cotter and Pin	2.25
1040-2	Semaphore Spectacle complete with Operating Stud, Roundel	
	Rings and Bolts, Design "A"Semaphore Spectacle, complete with Operating Stud, Roundel	17.10
1041 - 2	Semaphore Spectacle, complete with Operating Stud, Roundel	
	Rings and Bolts, Design "B"	16.20
699–19	Glass Roundels, 83/8" dia. Specify Color	
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049-1	Lamp Bracket and Support complete with Nuts and Bolts for	
	R. S. A. No. 1040 Spectacle Lamp Bracket and Support complete with Nuts and Bolts for	3.60
1049-2	Lamp Bracket and Support complete with Nuts and Bolts for	4.50
	R. S. A. 1041 Spectacle	4.50
730-1	Operating Rod complete with Screw Jaw and Eye Rod	3.60
1057 - 7	One Way Crank Stand complete with Pin, Cotter and One	2 60
1170 6	9" x 9" Crank	3.60
1178-6	Clamp for Crank Stand complete with U Bolt and Bolts for	2.05
F	fastening Stand	2.95



# HIGH ONE ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL





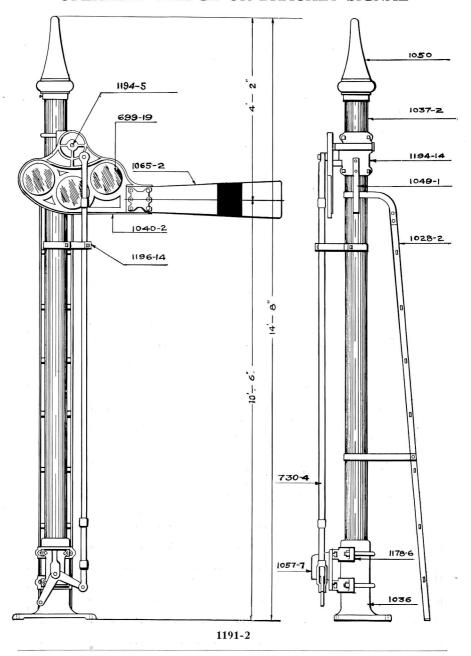
# HIGH ONE ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. Signals can be furnished with any style Wood Semaphore Blade at same price. Orders should specify Blade required, also color and number of Roundels.

	1	
Trade No.	DESCRIPTION	List Price
2247-1	High One Arm 90 deg. Upper Quadrant Wire Operated Bridge	
2211	or Bracket Signal, complete as shown	\$102.60
2247-2	Same as above except with <b>R.S.A.</b> 1041 Design "B" Spectacle	102.60
1037-2	Mast Only S.M. 1041 Design B Spectacle	21.60
		43.20
1037-22	Mast with Base	
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
1194-14	Semaphore Bearing complete with Spring Stop and U Bolts	
	for No. 1040 Spectacle	9.00
1194-15	Semaphore Bearing complete with Spring Stop, Clamp and	
	U Bolt for 1041 Spectacle	10.00
1194-5	Shaft complete with Washer, Cotter and Pin	2.25
1040-2	Semaphore Spectacle complete with Operating Stud. Roundel	
1010 -	Rings and Bolts, Design "A"	17.10
1041-2	Rings and Bolts, Design "A"Semaphore Spectacle, complete with Operating Stud, Roundel	
1011 2	Rings and Bolts Design "B"	16.20
699–19	Rings and Bolts, Design "B"	10.20
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1005-2	Lamp Bracket and Support complete with Nuts and Bolts for	2.70
1049-1	Lamp Bracket and Support complete with Nuts and Boits for	3.60
4040.0	R. S. A. 1040 Spectacle Lamp Bracket and Support complete with Nuts and Bolts for	3.00
1049-2	Lamp Bracket and Support complete with Nuts and Bolts for	4.50
	<b>R. S. A.</b> 1041 Spectacle	4.50
730–26	Operating Rod complete with Screw Jaw and Eye Rod	4.50
1196-14	Operating Rod complete with Screw Jaw and Eye Rod Pipe Guide, One Way, complete with Bolts for fastening to	
	Mast One Way Crank Stand complete with Pin, Cotter and One	1.49
1057-7	One Way Crank Stand complete with Pin, Cotter and One	
	9" x 9" Crank	3.60
1178-5	9" x 9" Crank	
	fastening Stand	2.95
1178-6	Clamp for Crank Stand complete with U Bolt and Bolts for	
	fastening Stand	2.95
620-7	fastening Stand	
020 1	factening Stand	2.34
800-1	fastening StandOne Way Signal Wheel complete with Support Brace and	2.01
300 1	Bolts	3.93
1028-2	Ladder complete with Top Pieces, Clamps, Stays and Bolts	9.00
703-46	Double Shackle complete with Pin and Cotter	.20
		.04
703-1	Wire Eyes	3.60
703-11	Split Links, per C	
703–16	1/4" Proof Chain, per ft	.14



# HIGH ONE ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





# HIGH ONE ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

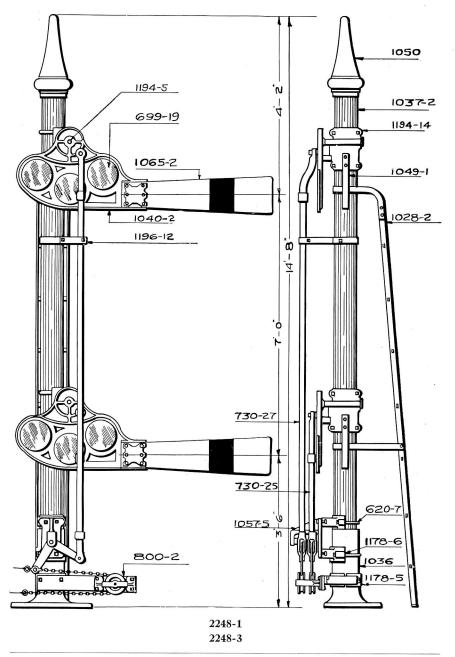
Lamps are not included in list prices, but Signals are furnished complete with Roundels.

Signals can be furnished with any style Wood Semaphore Blade at same prices. Orders should specify Blade required, also color and number of Roundels required.

Trade No.	DESCRIPTION	List Price
1191–2	High One Arm 90 deg. Upper Quadrant Pipe Operated Bridge	
11/1 2	or Bracket Signal, complete as shown	\$90.00
1191-22	Same as above except with R. S. A. 1041 Design "B" Spec-	
	tacle	90.00
1037 - 2	Mast Only	21.60
1037-22	Mast with Base	43.20
1036	Base	16.20
1050	Pinnacle with Set Screw	2.70
1194 - 14	Semaphore Bearing complete with Spring Stop and U Bolts	0.00
	for No. 1040 SpectacleSemaphore Bearing complete with Spring Stop, Clamp and U	9.00
1194 - 15	Semaphore Bearing complete with Spring Stop, Clamp and U	10.00
1104 5	Bolt for No. 1041 Spectacle	$ \begin{array}{c c} 10.00 \\ 2.25 \end{array} $
1194–5 1040–2	Shaft complete with Washer, Cotter and Pin.	2.23
1040-2	Semaphore Spectacle complete with Operating Stud, Roundel	17.10
1041-2	Rings and Bolts, Design "A".  Semaphore Spectacle, complete with Operating Stud, Roundel	17.10
1041-2	Rings and Bolts, Design "B"	16.20
699-19	Glass Roundels, 838" dia. Specify Color	
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049-1	Lamp Bracket and Support complete with Nuts and Bolts for	
	R. S. A. No. 1040 Spectacle	3.60
1049 - 2	Lamp Bracket and Support complete with Nuts and Bolts for	
	<b>R. S. A.</b> No. 1041 Spectacle	4.50
730-4	Operating Rod complete with Screw Jaw and Eye Rod	4.50
1196–14	Pipe Guide, One Way, complete with Bolts for fastening to	
4055	Mast	1.49
1057-7	One Way Crank Stand complete with Pin, Cotter and One	2 (0
1170 (	9" x 9" Crank	3.60
1178-6	Clamp for Crank Stand complete with U Bolt and Bolts for	2.95
1028-2	fastening StandLadder complete with Top Pieces, Clamps, Stays and Bolts	9.00
1028-2	Ladder complete with 1 op Pieces, Clamps, Stays and Bolts	9.00



# LOW TWO ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL





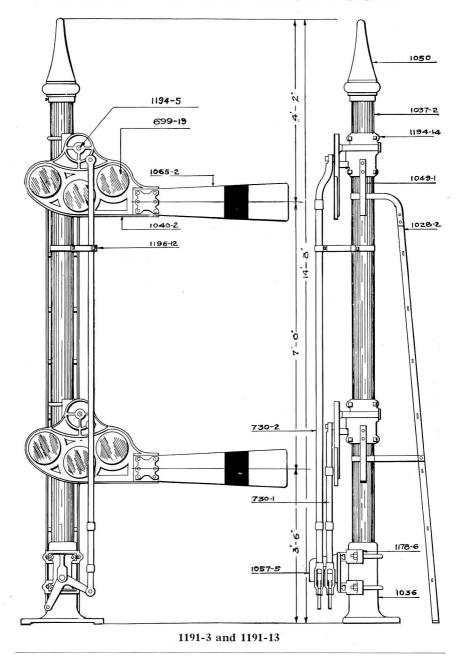
#### LOW TWO ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 45 deg. position. When Signals are ordered with Arms of limited travel, orders should specify whether they are limited from 0 deg. to 45 deg. or from 45 deg. to 90 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at same price. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
2248-1	Low Two Arm 90 deg. Upper Quadrant Wire Operated Bridge	
	or Bracket Signal with Two Arms Operative, as shown	\$134.10
2248 - 2	Same as above with R. S. A. 1041 Design "B" Spectacle	134.10
2248-3	Low Two Arm 90 deg. Upper Quadrant Wire Operated Bridge	
	or Bracket Signal with One Arm Operative and One Arm	
	Fixed complete as shown	127.80
2248-4	Same as above except with R. S. A. 1041 Design "B"	9.7
	Spectacle	127.80
1037 - 2	Mast Only	21.60
1037-22	Mast with Base	43.20
1036	Base	16.20
1050	Pinnacle with Set Screw Semaphore Bearing complete with Spring Stop and U Bolts	2.70
1194-14	Semaphore Bearing complete with Spring Stop and IJ Bolts	
11/1 11	for 1040 Spectacle	9.00
1194-15	for 1040 SpectacleSemaphore Bearing complete with Spring Stop and Clamp and	2.00
11/1 15	U Bolt for 1041 Spectacle	10.00
1194-5	Shaft complete with Washer, Cotter and Pin	2.25
1040-2	Semaphore Spectacle complete with Operating Stud, Roundel	2.20
1010 2	Rings and Rolts Design "A"	17.10
1041 - 2	Rings and Bolts, Design "A"	17.10
1011 2	Rings and Bolts, Design "B"	16.20
699-19	Glass Roundels, 83%" dia. Specify Color	10.20
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049-1	Lamp Bracket and Support complete with Nuts and Bolts for	2.70
1049-1	P C A 1040 Specifical	3.60
1049-2	R. S. A. 1040 Spectacle Lamp Bracket and Support complete with Nuts and Bolts for	3.00
1049-2	P S A 1041 Spectage	4.50
730-25	R. S. A. 1041 Spectacle Operating Rod for Lower Signal complete with Screw Jaw and	4.50
130-23	Eva Pad	3.60
730-27	Eye RodOperating Rod for Upper Signal complete with Screw Jaw and	3.00
130-21	Erro Pod	4.50
1196-12	Eye RodPipe Guide, One Way, complete with Bolts for fastening to	4.50
1190-12	Most	1.49
1057-5	MastTwo Way Crank Stand complete with Pin, Cotter, Separator	1.49
1037-3	and Two 0" r 0" Cranks	5.40
1178-5	and Two 9" x 9" Cranks	3.40
1170-3	for fortain Chan I	2.95
1178-6	for fastening Stand	2.93
1176-0	Clamp for Crank Stand complete with U Bolts and Bolts for	2.95
620-7	fastening Stand	2.93
020-7	Clamp for Crank Stand complete with U Bolt and Bolts for	2.34
800-2	fastening	2.34
000-2	Two Way Signal Wheel complete with Support, Brace and	1 11
1028-2	Bolts	9.00
	Ladder complete with Top Pieces, Clamps, Stays and Bolts	
703-46	Double Shackle complete with Pin and Cotter	. 20
703-1	Wire Eyes	.04
703-11	Split Links, per C	3.60
703–16	1/4" Proof Chain, per ft	.14



# R. S. A. TWO ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





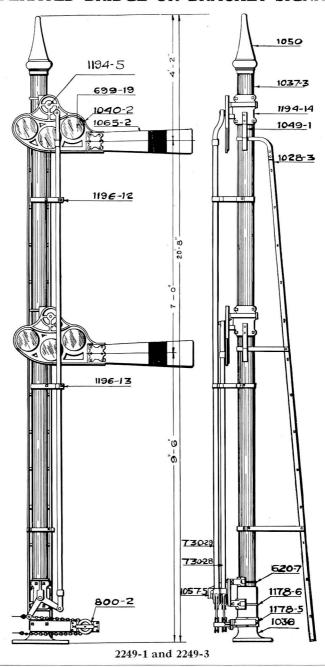
### R. S. A. TWO ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 45 deg. position. When Signals are ordered with Arms of limited travel, orders should specify whether they are limited from 0 deg. to 45 deg. or from 45 deg. to 90 deg. Prices for Limited Travel Arms are same as for Operative Arm. Signals can be furnished with any style Wood Semaphore Blade at same price. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
1191–3	R. S. A. Two Arm 90 deg. Upper Quadrant Pipe Operated Bridge or Bracket Signal with Two Arms Operative, complete	
	Bridge or Bracket Signal with Two Arms Operative, complete	Ø4.26 00
1191-33	as shown Same as above with <b>R. S. A.</b> No. 1041 Design "B" Semaphore	\$126.00
1191–33	Spectacle	126.00
1191-13	R. S. A. Two Arm 90 deg. Upper Quadrant Pipe Operated	120.00
	Bridge or Bracket Signal with One Arm Operative and One	
	Arm Fixed, complete as shown	119.70
1191-23	Same as above except with R. S. A. No. 1041 Design "B"	
1027 2	Semaphore Spectacle	119.70
1037-2	Mast Only	21.60
1037–22 1036	Mast with Base	43.20
1050	Base Pinnacle with Set Screw	16.20 2.70
1194–14	Semaphore Bearing complete with Spring Stop and U Bolt for	2.70
1174 14	No. 1040 Spectacle	9.00
1194-15	Semaphore Bearing complete with Spring Stop, Clamp and	7.00
	U Bolt for No. 1041 Spectacle	10.00
1194-5	Shaft complete with Washer, Cotter and Pin	2.25
1040-2	Semaphore Spectacle with Operating Stud, Roundel Rings	
4044.0	and Bolts, Design "A"	17.10
1041-2	Semaphore Spectacle complete with Operating Stud, Roundel	16 20
699-19	Rings and Bolts, Design "B"	16.20
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049-1	Lamp Bracket and Support complete with Nuts and Bolts for	2.70
1017 1	R. S. A. No. 1040 Spectacle	3.60
1049 - 2	R. S. A. No. 1040 Spectacle Lamp Bracket and Support complete with Nuts and Bolts for	
	R. S. A. No. 1041 Spectacle	4.50
730 - 1	Operating Rod for Lower Blade complete with Screw Jaw and	
720.2	Eye RodOperating Rod for Upper Blade complete with Screw Jaw and	3.60
730-2	Operating Rod for Upper Blade complete with Screw Jaw and	4.50
1196-12	Eye RodPipe Guide, One Way, complete with Bolts for fastening to	4.50
1190-12	Mast	1.49
1057-5	Two Way Crank Stand complete with Pin, Cotter, Separators	1.49
	and Two 9" x 9" Cranks	5.40
1178-6	and Two 9" x 9" Cranks  Clamp for Crank Stand complete, with U Bolts and Bolts for	
	tastening Crank Stand	2.95
1028-2	Ladder complete with Top Pieces, Clamps, Stays and Bolts	9.00



### HIGH TWO ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL



N-44



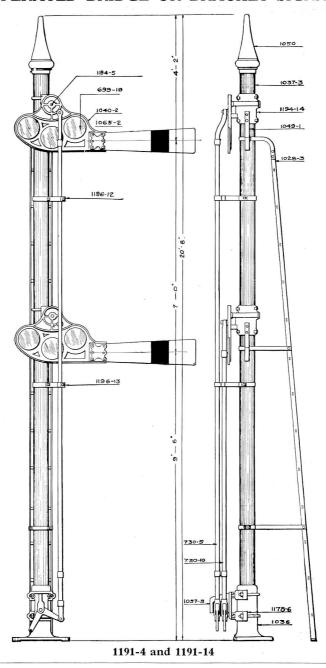
#### HIGH TWO ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 45 deg. position. When Signals are ordered with Arms of limited travel, orders should specify whether they are limited from 0 deg. to 45 deg. or from 45 deg. to 90 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at same price. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
2249-1	High Two Arm 90 deg. Upper Quadrant Wire Operated Bridge	
	and Bracket Signal with Two Arms Operative, complete as	2474 00
2249-2	shown	\$156.00 156.00
2249-2	High Two Arm 90 deg. Upper Quadrant Wire Operated Bridge	130.00
2249-3	or Bracket Signal with One Arm Operative and One Arm	
	fixed, complete as shown	149.70
2249-4	fixed, complete as shown	149.70
1037-3	Mast Only	36.00
1037-33	" with Base	57.60
1036	Base	16.20
1050	Pinnacle with Set Screw. Semaphore Bearing complete with Spring Stop and U Bolts	2.70
1194–14	Semaphore Bearing complete with Spring Stop and U Bolts	0.00
1104 15	for 1040 SpectacleSemaphore Bearing complete with Spring Stop and Clamp and	9.00
1194–15	U Bolt for 1041 Spectacle	10.00
1194-5	Shaft complete with Washer, Cotter and Pin	2.25
1040-2	Semaphore Spectacle complete with Operating Stud. Roundel	2.20
1010 2	Semaphore Spectacle complete with Operating Stud, Roundel Rings and Bolts, Design "A"Semaphore Spectacle, complete with Operating Stud, Roundel	17.10
1041-2	Semaphore Spectacle, complete with Operating Stud, Roundel	
	Rings and Bolts, Design "B"	16.20
699–19	Glass Roundels, 83/8" dia. Specify Color	*******
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049–1	Lamp Bracket and Support complete with Nuts and Bolts for	2 (0
1049-2	R. S. A. 1040 Spectacle.  Lamp Bracket and Support complete with Nuts and Bolts for	3.60
1049-2	P S A 1041 Spectage	4.50
730-28	R. S. A. 1041 Spectacle Operating Rod for Lower Signal complete with Screw Jaw and	4.30
750 20	Eve Rod	4.50
730-29	Eye RodOperating Rod for Upper Signal complete with Screw Jaw and	1.00
	Eve Kod	5.40
<b>1</b> 196 <b>–</b> 12	Pipe Guide, One Way, complete with Bolts for fastening to	
	Mast	1.49
1196-13	Pipe Guide complete, Two Way with Bolts for fastening to Mast	1.76
1057-5	Two Way Crank Stand complete with Pin, Cotter, Separators	5.40
1178–5	and Two 9" x 9" Cranks	3.40
1170-3	fastening Stand	2.95
1178-6	Clamp for Crank Stand complete with U Bolts and Bolts for	2.75
	fastening Stand	2.95
620-7	fastening Stand	
	fastening StandTwo Way Signal Wheel complete with Support, Brace and	2.34
800–2	Two Way Signal Wheel complete with Support, Brace and	
1000 2	Bolts	4.44
1028-3	Ladder complete with Top Pieces, Clamps, Stays and Bolts	12.05
703-46	for fastening	13.95
703-40	Wire Eyes	.20
703-11	Split Links, per C.	3.60
703–16	1/4" Proof Chain, per ft	.14



### HIGH TWO ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





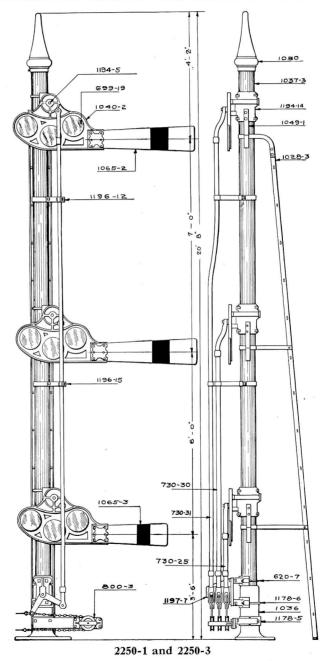
# HIGH TWO ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 45 deg. position. When Signals are ordered with Arms of limited travel, orders should specify whether they are limited from 0 deg. to 45 deg. or from 45 deg. to 90 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at same price. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
1191-4	High Two Arm 90 deg. Upper Quadrant Pipe Operated Bridge	
	or Bracket Signal with Two Arms Operative, complete as	
1191–44	shown	\$144.00
	Spectacle	144.00
1191–14	High Two Arm 90 deg. Upper Quadrant Pipe Operated Bridge or Bracket Signal with One Arm Operative and One Arm	
	Fixed, complete as shown	137.70
1191–24	Fixed, complete as shown	
1027 2	Spectacle	137.70
1037–3 1037–33	Mast Only Mast with Base	36.00
1037-33	Base	57.60
1050	Pinnacle with Set Screw	16.20 2.70
1194–14	Pinnacle with Set Screw. Semaphore Bearing complete with Spring Stop and U Bolts	2.70
11/1 11	for No. 1040 Spectacle	9.00
1194-15	for No. 1040 Spectacle	7.00
	U Bolt for No. 1041 Spectacle	10.00
1194-5	Shatt complete with Washer Cotter and Pin	2.25
1040-2	Semaphore Spectacle complete with Operating Stud, Roundel Rings and Bolts, Design "A".	
	Rings and Bolts, Design "A"	17.10
1041-2	Semaphore Spectacle complete with Operating Stud, Roundel Rings and Bolts, Design "B".	
699–19	Glass Roundels, 838" dia. Specify Color	16.20
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049-1	Lamp Bracket and Support complete with Nuts and Bolts for	2.70
1049-1	R. S. A. No. 1040 Spectacle	3.60
1049-2	R. S. A. No. 1040 Spectacle.  Lamp Bracket and Support complete with Nuts and Bolts for	3.00
	R. S. A. No. 1041 Spectacle	4.50
730-10	R. S. A. No. 1041 Spectacle.  Operating Rod for Lower Signal complete with Screw Jaw and	1.00
	Eye Rod	4.50
730-5	Eye RodOperating Rod for Upper Signal complete with Screw Jaw and	
	Eye Rod	5.40
1196–12	Pipe Guide, One Way, complete with Bolts for fastening to	).
1196–13	Mast	1.49
1190-13	Pipe Guide, Two Way, complete with Bolts for fastening to	1.76
1057-5	Mast Two Way Crank Stand complete with Pin, Cotter, Separators	1.76
1001-0	and Two 9" x 9" Cranks	5.40
1178-6	Clamp for Crank Stand, complete with U Bolt and Bolts for	3.40
	tastening Stand	2.95
1028-3	Ladder complete with Top Pieces, Clamps, Stavs and Bolts	2.75
	for fastening	13.95



### THREE ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL





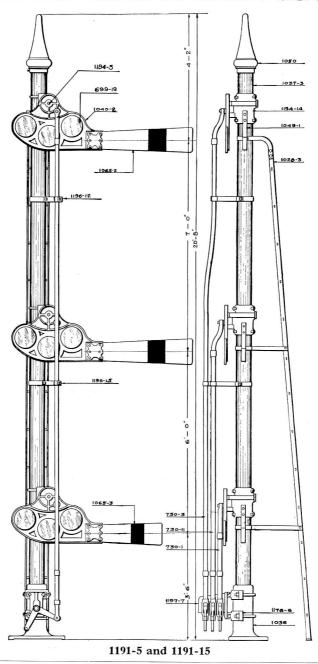
#### THREE ARM 90 DEG. UPPER QUADRANT WIRE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps, Chain, Wire, Wire Eyes, Shackles and Split Links are not included in list prices, but Signals are furnished complete with Roundels and Fittings as shown. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 45 deg. position. When Signals are ordered with Arms of limited travel, orders should specify whether they are limited from 0 deg. to 45 deg. or from 45 deg. to 90 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any style Wood Semaphore Blade at same price. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
2250-1	Three Arm 90 deg. Upper Quadrant Wire Operated Bridge and	
2200 2	Bracket Signal, Three Arms Operative, complete as shown.	\$187.25
2250-2	Same as above except with R.S.A. 1041 Design "B" Spectacle	187.25
2250-3	Three Arm 90 deg. Upper Quadrant Wire Operated Bridge or	
2200 0	Bracket Signal, Two Arms Operative and One Arm Fixed,	
	complete as shown	180.95
2250-4	Same as above except with R.S.A. 1040 Design "B" Spectacle	180.95
1037-3	Mast Only	36.00
1037–33	Mast with Base	57.60
1037-33	Base	16.20
	Diagraph Cot Covery	2.70
1050	Pinnacle with Set ScrewSemaphore Bearing complete with Spring Stop and U Bolts	2.70
1194–14	Semaphore Bearing complete with Spring Stop and O Boits	9.00
4404 45	for 1040 SpectacleSemaphore Bearing complete with Spring Stop, Clamp and	9.00
1194–15	Semaphore Bearing complete with Spring Stop, Clamp and	10.00
	U Bolt for 1041 SpectacleShaft complete with Washer, Cotter and Pin	2.25
1194-5	Shaft complete with Washer, Cotter and Pin	2.23
1040-2	Semaphore Spectacle complete with Operating Stud, Rounder	17 10
	Semaphore Spectacle complete with Operating Stud, Roundel Rings and Bolts, Design "A"  Semaphore Spectacle, complete with Operating Stud, Roundel	17.10
1041-2	Semaphore Spectacle, complete with Operating Stud, Roundel	46.00
W 1000	Rings and Bolts, Design "B"	16.20
699–19	Glass Roundels, 83/8" dia. Specify Color	
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049-1	Lamp Bracket and Support complete with Nuts and Bolts	
	for R. S. A. 1040 Spectacle Lamp Bracket and Support complete with Nuts and Bolts for	3.60
1049 - 2	Lamp Bracket and Support complete with Nuts and Bolts for	
	R. S. A. 1041 Spectacle	4.50
730-25	R. S. A. 1041 Spectacle Operating Rod for Lower Signal complete with Screw Jaw and	
	Eve Rod	3.60
730-30	Eye RodOperating Rod for Middle Signal complete with Screw Jaw and	
,00 00	Eve Rod	4.50
730-31	Eye RodOperating Rod for Upper Signal complete with Screw Jaw and	
,00 01	Eve Rod	5.40
1196-12	Eye RodPipe Guide,One Way,complete with Bolts for fastening to Mast	1.49
1196–15	Pipe Guide complete, Two Way with Bolts for fastening to Mast	1.76
1197-7	Three Way Crank Stand complete with Pin, Cotter, Separa-	
	tor and Three 9" x 9" Cranks	7.20
1178-5	Clamp for Signal Wheel complete with Back Half and Bolts	1000000
1170 0	for fastening Stand	2.95
1178-6	for fastening Stand	
1170 0	foctoring Stand	2.95
620-7	fastening Stand	1 2.70
020-1	factoring Stand	2.34
800-3	fastening Stand	
300 3	Bolts	4.88
1028-3	Ladder complete with Top Pieces, Clamps, Stays and Bolts	13.95
703-40	Double Shackle complete with Pin and Cotter	.20
703-40 703-1	Wire Eyes	.04
703-1 703-11	Split Links, per C.	3.60
	I// Proof Chair parft	.14
703–16	1/4" Proof Chain, per ft	.14



# R. S. A. THREE ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL





# R. S. A. THREE ARM 90 DEG. UPPER QUADRANT PIPE OPERATED BRIDGE OR BRACKET SIGNAL

Lamps are not included in list prices, but Signals are furnished complete with Roundels and Fittings. When Signals are ordered with a Fixed Arm, orders should specify whether Arm is to be fixed in the 0 deg. or in the 45 deg. position. When Signals are ordered with Arms of limited travel, orders should specify whether they are limited from 0 deg. to 45 deg. or from 45 deg. to 90 deg. Prices for Limited Travel Arms are same as for Operative Arms. Signals can be furnished with any Style Wood Semaphore Blade at same price. Orders should specify Blade required, also color and number of Roundels.

Trade No.	DESCRIPTION	List Price
1191–5	R. S. A. Three Arm 90 deg. Upper Quadrant Pipe Operated Bridge or Bracket Signals with Three Arms Operative, com-	#400 00
1191–55	plete as shown	\$180.00
1191–15	R. S. A. Three Arm 90 deg. Upper Quadrant Pipe Operated	180.00
	Bridge and Bracket Signal with Two Arms Operative and One Arm Fixed, complete as shown	173.70
1191–25	Same as above except with <b>R. S. A.</b> 1041 Design "B" Sema- phore Spectacle	173.70
1037-3	Mast Only	36.00
1037–33	Mast with Base	57.60
1036	Base	16.20
1050	Pinnacle with Set ScrewSemaphore Bearing complete with Spring Stop and U Bolts	2.70
1194–14	Semaphore Bearing complete with Spring Stop and U Bolts	9.00
1194–15	for No. 1040 Spectacle	9.00
1194-13	U Bolt for No. 1041 Spectacle	10.00
1194–5	Shaft complete with Washer, Cotter and Pin	2.25
1040-2	Semaphore Spectacle complete with Operating Stud, Roundel	100000000000000000000000000000000000000
200.00	Rings and Bolts, Design "A"	17.10
1041-2	Semaphore Spectacle, complete with Operating Stud, Roundel Rings and Bolts, Design "B"	16.20
699–19	Glass Roundels, 83/8" dia. Specify Color	2.70
1065-2	Semaphore Blade complete with Blade Plate and Bolts	2.70
1049–1	Lamp Bracket and Support complete with Nuts and Bolts for R. S. A. No. 1040 Spectacle	3.60
1049-2	R. S. A. No. 1041 Spectacle	4.50
730–1	Operating Rod for Lower Signal complete with Screw Jaw and	3.60
730–11	Eye RodOperating Rod for Middle Signal complete with Screw Jaw and Eye Rod	4.50
730–3	Operating Rod for Upper Signal complete with Screw Jaw and	5.40
1196–12	Eye Rod Pipe Guide, One Way, complete with Bolts for fastening to Mast.	1.49
1196–15	Pipe Guide complete, Two Way with Bolts for fastening to	1.76
1197–7	Mast Three Way Crank Stand complete with Pin, Cotter, Separators	7.20
1178-6	and Three 9" x 9" Cranks	1.20
1110-0	fastening Stand	2.95
1028-3	fastening StandLadder complete with Top Pieces, Clamps, Stays and Bolts	
	for fastening	13.95