1914

CATALOGUE AND PRICE LIST

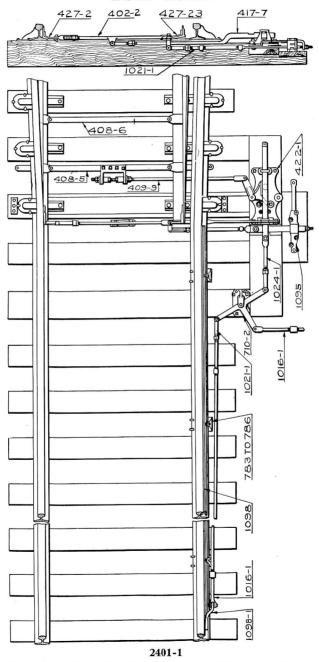
SECTION T

SWITCH OPERATING AND LOCKING DEVICES

Switch Layouts
Rail Clips
Detector Bars
Switch and Lock Movements
Locks—Plunger and Bolt
Front Rods—Plain and Insulated
Lock Rods—Plain and Insulated
Tie Rods—Plain and Insulated
Throw Rods—Plain and Insulated



SWITCH AND LOCK MOVEMENT WITH R. S. A. BOLT LOCK





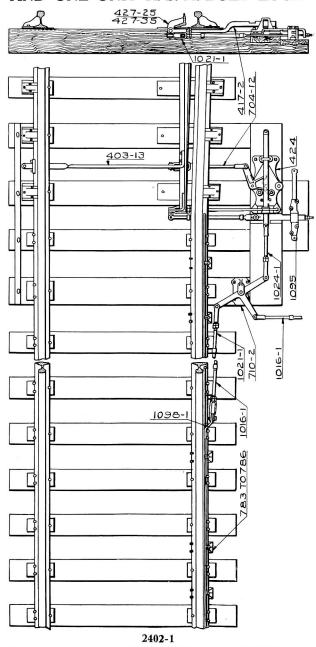
SWITCH AND LOCK MOVEMENT WITH R. S. A. BOLT LOCK

List prices given below do not include Rail Braces, Tie Plates, Bridle Rods, Signal Pipe or Timber. We are prepared to furnish prices on application for any variation of the above Layout. Orders should specify type and size of rail used.

DESCRIPTION	List Price
Switch and Lock Movement complete with 36" x 214" x 53 feet Detector Bar, Driving Lug, Motion Plate Type Rail Clips, Motion Plates, Solid Jaws, Screw Jaw, "T" Crank, Switch and Lock Movement R. S. A. Bolt Lock, Lock Rod, Front Rod, Tie Rod with Switch Adjustment, R. S. A. Strap Pipe	
Clips, Links, Guides and Stops for $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " x 53 feet	
For each additional foot of 3/8" x 21/4" Detector Bar, add to above list prices	
For each additional foot of 1/2" x 2 1/4" Detector Bar, add to	
R. S. A. Detector Bar Motion Plate Detector Bar Rail Clip with Short Motion Plate	
Same as above except with Hook Bolts.	\$2.07 2.12
and Web Bolts	2.18 2.23 1.80
Same as above except with Web Bolts and Forged Bracket Long Radial Type Rail Clips with Link and Web Bolts	3.45 2.65 2.70
Radial Type Detector Bar Guide and Stop with Hook Bolts. Same as above except with Web Bolts.	.90 .50
" " Solid Jaw with Pin and Cotter	1.44 2.21
One Way Three Arm Crank, 1134" x 1134", complete	3.02
Switch and Lock Movement complete	5.78 18.65
Tie Rod with Switch Point Lugs drilled for Switch Adjustment	8.50 8.35
Switch Adjustment with Solid Jaw, End Rod and Jaw Pin.	10.94
Front Rod with Vertical Lug	4.92 5.00
Same as above with Bolts for Reinforced Switch Points	1.43 1.47
Right Hand Switch Point Lug with Lug for Bolt Lock and Bolts Same as above except with Bolts for Reinforced Switch Points	5.12
	Switch and Lock Movement complete with 36" x 2½" x 53 feet Detector Bar, Driving Lug, Motion Plate Type Rail Clips, Motion Plates, Solid Jaws, Screw Jaw, "T" Crank, Switch and Lock Movement R. S. A. Bolt Lock, Lock Rod, Front Rod, Tie Rod with Switch Adjustment, R. S. A. Strap Pipe Carrier and Tie Rod. Same as above except with Radial Type Detector Bar Rail Clips, Links, Guides and Stops for ½" x 2½" x 53 feet Detector Bar. For each additional foot of ¾" x 2½" Detector Bar, add to above list prices. For each additional foot of ½" x 2½" Detector Bar, add to above list prices. R. S. A. Detector Bar Motion Plate Detector Bar Rail Clip with Short Motion Plate and Web Bolts. Same as above except with Hook Bolts. Motion Plate Detector Bar Rail Clip with Long Motion Plate and Web Bolts. Same as above except with Hook Bolts. Short Radial Type Rail Clip with Link and Hook Bolts. Same as above except with Web Bolts and Forged Bracket. Long Radial Type Rail Clips with Link and Web Bolts. Same as above except with Web Bolts. Radial Type Detector Bar Guide and Stop with Hook Bolts. Same as above except with Web Bolts. Radial Type Detector Bar Guide and Stop with Hook Bolts. Same as above except with Web Bolts. R. S. A. Detector Bar Guide and Stop with Hook Bolts. Same as above except with Web Bolts. R. S. A. Detector Bar Guide and Stop with Hook Bolts. Same as above except with Web Bolts. R. S. A. Detector Bar Guide and Stop with Hook Bolts. Same as above except with Web Bolts. R. S. A. Bolt Lock. "" Solid Jaw with Pin and Cotter Switch and Lock Movement complete R. S. A. Bolt Lock. Tie Rod with Switch Point Lugs drilled for Switch Adjustment "" Switch Adjustment with Solid Jaw, End Rod and Jaw Pin. Lock Rod complete with Screw Jaw, Nut and Jaw Pin. Lock Rod complete with Screw Jaw, Nut and Jaw Pin. Front Rod with Vertical Lug Left Hand Switch Point Lug with Bolts Same as above with Bolts for Reinforced Switch Points. Right Hand Switch Point Lug with Lug for Bolt Lock and Bolts.



DERAIL WITH SWITCH AND LOCK MOVEMENT, ONE DETECTOR BAR AHEAD OF POINTS, AND ONE UNIT R. S. A. BOLT LOCK





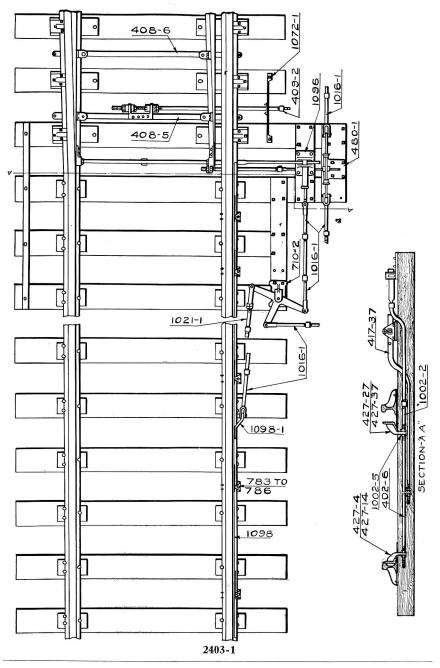
DERAIL WITH SWITCH AND LOCK MOVEMENT, ONE DETECTOR BAR AHEAD OF POINTS, AND ONE UNIT R. S. A. BOLT LOCK

List prices do not include Rail Braces, Tie Plates, Bridle Rods, Timber or Signal Pipe. We are prepared to furnish prices on application for any variation of this Layout. Orders should specify size and type of rail used.

Trade No.	DESCRIPTION	List Price
2402-1	Derail complete with 38" x 21/4" x 53 feet Detector Bar, Driving Lug, Motion Plate Type Detector Bar Rail Clips, Motion Plates, Solid Jaws, Screw Jaws, "T" Crank, Switch and Lock Movement, R. S. A. Bolt Lock, Lock Rod, Tie	
2402-2	Rod and Switch Point Lugs	*****
	For ½" x 2¼" x 53 feet Detector Bar, add to above list price For each additional foot of ¾" x 2¼" Detector Bar, add to	
	above list prices	
1098	R. S. A. Detector Bar	
783	Motion Plate Detector Bar Rail Clip with Short Motion	
	Plate and Web Bolts	\$2.0
784	Same as above except with Hook Bolts	2.1
785	Motion Plate Detector Bar Rail Clip with Long Motion Plate	2.1
786	and Web BoltsSame as above except with Hook Bolts	2.1
779	Short Radial Type Rail Clip with Link and Hook Bolts	1.8
789	Same as above except with Web Bolts and Forged Bracket.	3.4
787	Long Radial Type Rail Clip with Link and Web Bolts	2.6
788	Same as above except with Hook Bolts	2.7
778-1	Radial Type Detector Bar Guide and Stop and Hook Bolt	.9
778–3	Same as above except with Web Bolt	
1098-1	R. S. A. Detector Bar Driving Lug	
1016–1	" " Solid Jaw with Pin and Cotter" " Screw " " " "	1.4
1021-1	" " Screw " Solid Jaw End and Pin and Cotter.	2.3
024-1	Solid Jaw Elid and Fin and Cotter.	3.0
704–12 1020	Offset Solid Jaw with Pin and Cotter	2.5
1020	R. S. A. Screw Jaw	
710-2	1 ¹ / ₄ " Hexagon Nut, ³ / ₄ " thick One Way Three Arm Crank, ¹¹ / ₄ " x ¹¹ / ₄ " x ¹¹ / ₄ " with Stand	
110 2	Pin and Cotter	5.3
424	Switch and Lock Movement complete	19.9
1095	R. S. A. Bolt Lock	
403-13	Derail Rod with Guide	15.3
417-2		4.
427 - 25	Lock Rod completeRight Hand Switch Point Lug with Bolts for Switch Point	5.3
427-35	Same as above except with Bolts for Reinforced Switch Points	5.3



SINGLE SLIP SWITCH WITH ONE FACING POINT LOCK, ONE DETECTOR BAR AND ONE BOLT LOCK





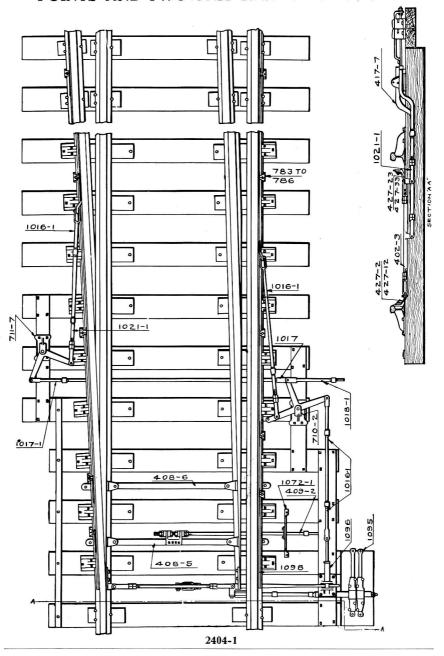
SINGLE SLIP SWITCH WITH ONE FACING POINT LOCK, ONE DETECTOR BAR AND ONE BOLT LOCK

List prices given below do not include Rail Braces, Tie Plates, Bridle Rods, Timber or Signal Pipe. We are prepared to furnish prices on application for any variation of the above Layout. Orders should specify type and size of rail used.

Trade No.	DESCRIPTION	List Price
2403-1	Single Slip Switch complete with 3/8" x 21/4" x 53 feet Detector Bar, Driving Lug, Motion Plate Type Rail Clips, Motion Plates, Solid Jaws, Screw Jaw, "T" Crank, Facing Point Lock, Bolt Lock, Lock Rod, Front Rod, Throw Rod with Switch Adjustment, Transverse Pipe Carrier, Strap Pipe	
2403-2	Carrier and Tie RodsSame as above except with Radial Type Detector Bar, Rail Clips, Links, Guides and Stops	
	For ½" x 2¼" x 53 feet Detector Bar, add to above list prices For each additional foot of ¾" x 2¼" Detector Bar, add to	
	above list prices	
1098 783	R. S. A. Detector Bar	
784	and Web BoltsSame as above except with Hook Bolts	\$2.07 2.12
785 786	Motion Plate Detector Bar Rail Clip with Long Motion Plate and Web Bolts	2.18 2.23
779 789	Short Radial Type Rail Clip with Link and Hook Bolts Same as above except with Web Bolts and Forged Bracket	1.80 3.45
787 788	Long Radial Type Rail Clip with Link and Web Bolts Same as above except with Hook Bolts	2.65 2.70
778–1 778–3 1098–1	Radial Type Detector Bar Guide and Stop with Hook Bolt. Same as above except with Web Bolt. R. S. A. Detector Bar Driving Lug	.90 .50
1016-1 1021-1	" "Solid Jaw with Pin and Cotter " "Screw " " " "Screw " " " " " " " " " " " " " " " " " " "	1.44 2.21
710-2	with Stand, Pin and Cotter	5.78
1096 480–1 402–6	R. S. A. Facing Point Lock	4.05 5.90 6.93
417-37 $409-2$	Lock Rod with Four Hexagon Nuts. Throw Rod with Switch Adjustment Tie Rod drilled for Switch Adjustment with Switch Point Lugs	4.27 8.76
408-5 408-6	" " with Switch Point Lugs	8.50 8.35
$1072-1 \\ 427-27$	R. S. A. Transverse Pipe Carrier R. H. Switch Point Lug with Lug for Bolt Lock and Bolts for Switch Point	1.26 5.50
$\begin{array}{c} 427 - 37 \\ 427 - 4 \end{array}$	Same as above except with Bolts for Reinforced Switch Point L. H. Switch Point Lug with Bolts for Switch Points	5.54 5.06
427-14 1002-2	Same as above except with Bolts for Reinforced Switch Points Threaded Rod Tang End with Nut	5.10 1.26
1002-5	11/4" Hexagon Nut, 3/4" thick	.18



SINGLE SLIP SWITCH WITH ONE FACING POINT LOCK, TWO DETECTOR BARS BEHIND SWITCH POINTS AND TWO UNIT R. S. A. BOLT LOCK





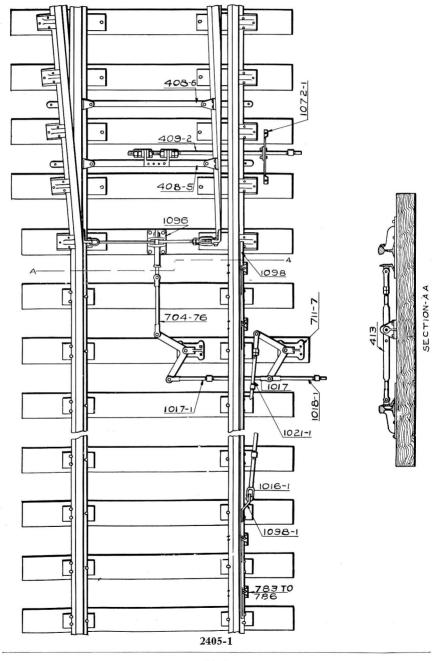
SINGLE SLIP SWITCH WITH ONE FACING POINT LOCK, TWO DETECTOR BARS BEHIND SWITCH POINTS AND TWO UNIT R. S. A. BOLT LOCK

List prices do not include Rail Braces, Tie Plates, Bridle Rods, Timber or Signal Pipe. We are prepared to furnish prices on application for any variation of this Layout. Orders should specify type and size of rail used. For application of the above, see sheet pertaining to **R. S. A.** Unit Bolt Lock.

Trade No.	DESCRIPTION	List Price
2404-1	Single Slip Switch complete with Two 3/8"x21/4"x53 feet Detector Bars, Driving Lugs, Motion Plate Type Rail Clips, Motion Plates, Solid Jaws, Screw Jaws, "T" Crank, 90 deg. Horizontal Crank, Facing Point Lock, Two Unit R. S. A. Bolt Lock, Lock Rod, Front Rod, Throw Rod with Switch Adional Complete States of Tipe Rod.	
2404-2	justment, Transverse Pipe Carrier and Tie Rods	
	Detector Bar	
	above list prices	
4000	above list prices	
1098	R. S. A. Detector Bar Motion Plate Detector Bar Rail Clip with Short Motion Plate	
783	and Web Bolts	\$2.07
784	Same as above except with Hook Bolts	2.12
785	Motion Plate Detector Bar Rail Clip with Long Motion Plate	2.12
700	and Web Bolts	2.18
786	Same as above except with Hook Bolts	2.23
779	Short Radial Type Rail Clip with Link and Hook Bolts	1.80
789	Same as above except with Web Bolts and Forged Bracket	3.45
787	Long Radial Type Rail Clip with Link and Web Bolts	2.65
788	Same as above except with Hook Bolts	2.70
778-1	Radial Type Detector Bar Guide and Stop with Hook Bolt	.90
778-3	Same as above except with Web Bolt	.50
1098-1	R. S. A. Detector Bar Driving Lug	
1016-1	" " Solid Jaw with Pin and Cotter	1.44
1017	" " Offset Solid Jaw	2.14
1017-1	Same as above with Pin and Cotter	2.25
1018 - 1	R. S. A. Solid Wide Jaw with Pin and Cotter	2.16
1021 - 1	" " Screw Jaw with Pin and Cotter	2.21
710-2	" " Screw Jaw with Pin and Cotter One Way Three Arm Crank, 11¾" x 11¾" x 11¾", com-	
	plete with Stand Pin and Cotter	5.78
711 - 7	One Way 90 deg. Horizontal Crank, 113/4" x 113/4", complete	
	with Pin and Cotter	3.87
1096	R. S. A. Facing Point Lock	4.05
1095	" " Bolt Lock	
402 - 3	Front Rod	5.49
417 - 7	Lock "	4.92
409-2	Throw Rod with Switch Adjustment. Tie Rod with Switch Point Lugs drilled for Switch Adjustment.	8.76
408-5	Tie Rod with Switch Point Lugs drilled for Switch Adjustment.	8.50
408-6	" " " " " " " " " " " " " " " " " " "	8.35
1072 - 1	R. S. A. One Way Transverse Pipe Carrier	1.26
427 - 23	Right Hand Switch Point Lug with Lug for Bolt Lock and	F 40
10H 05	Bolts for fastening to Switch Points	5.12
427-33	Same as above except with Bolts for Reinforced Switch Points	5.16
427-2	L. H. Switch Point Lug with Bolts for fastening to Switch	1 12
107 10	Points.	1.43
427 - 12	Same as above except with Bolts for Reinforced Switch Points	1.47



SINGLE SLIP SWITCH WITH INSIDE CONNECTED FACING POINT LOCK AND ONE DETECTOR BAR AHEAD OF SWITCH POINTS





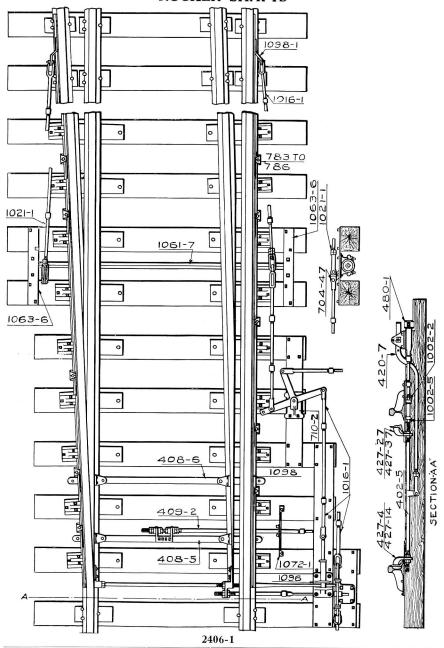
SINGLE SLIP SWITCH WITH INSIDE CONNECTED FACING POINT LOCK AND ONE DETECTOR BAR AHEAD OF SWITCH POINTS

List prices below do not include Rail Braces, Tie Plates, Bridle Rods, Timber or Signal Pipe. We are prepared to furnish prices on application for any variation of the above Layout. Orders should specify type and size of rail.

Trade No.	DESCRIPTION	List Price
2405-1	Single Slip Switch complete with 38" x 21/4" x 53 feet Detector Bar, Driving Lug, Motion Plate Type Rail Clips, Motion Plates, Solid Jaws, Screw Jaws, Solid Links, 90 deg. Horizontal Cranks, Facing Point Lock, Lock Rod, Front Rod, Throw Rod with Switch Adjustment, Transverse Pipe	
2405–2	Carrier and Tie Rods. Same as above except with Radial Type Detector Bar Rail Clips, Links, Guides and Stops. For ½" x 2¾" x 53 feet Detector Bar, add to above list prices For each additional foot of ¾" x 2¼" Detector Bar, add to	
	above list prices For each additional foot of ½" x 2½" Detector Bar, add to above list prices.	
1098 783	R. S. A. Detector Bar	\$2.07
784 785	and Web BoltsSame as above except with Hook BoltsMotion Plate Detector Bar Rail Clip with Long Motion Plate	2.12
786 779 789 787 788 778–1 778–3	and Web Bolts Same as above except with Hook Bolts Short Radial Type Rail Clip with Link and Hook Bolts Same as above except with Web Bolts and Forged Bracket Long Radial Type Rail Clip with Link and Web Bolts Same as above except with Hook Bolts Radial Type Detector Bar Guide and Stop with Hook Bolt Same as above except with Web Bolt	2.18 2.23 1.80 3.45 2.65 2.70 .90
1098-1 1016-1 1017 1017-1 1018-1 1021-1 704-76 711-7	R. S. A. Detector Bar Driving Lug. " " " Solid Jaw with Pin and Cotter. " " Offset Solid Jaw. Same as above except with Pin and Cotter. R. S. A. Solid Wide Jaw with Pin and Cotter. " " Screw Jaw with Pin and Cotter. Solid Link with Pins and Cotter. One Way 90 deg. Horizontal Crank, 11¾" x 11¾", complete	1.44 2.14 2.25 2.16 2.21 2.81
1096 413 409-2 408-5 408-6 1072-1	with Stand Pin and Cotter R. S. A. Facing Point Lock Front Rod complete Throw Rod with Switch Adjustment Tie Rod with Switch Point Lugs drilled for Switch Adjustment "" R. S. A. Transverse Pipe Carrier	3.87 4.05 8.25 8.76 8.50 8.35 1.26



SINGLE SLIP SWITCH WITH ONE FACING POINT LOCK, ONE BOLT LOCK AND TWO DETECTOR BARS BEHIND SWITCH POINTS OPERATED BY LOW R. S. A. ROCKER SHAFTS





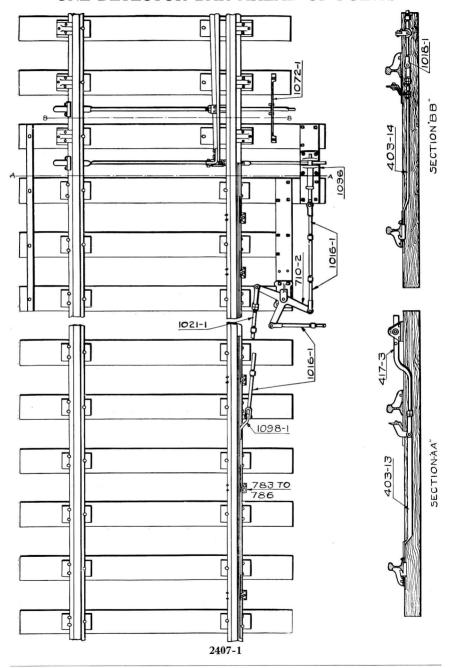
SINGLE SLIP SWITCH WITH ONE FACING POINT LOCK, ONE BOLT LOCK AND TWO DETECTOR BARS BEHIND SWITCH POINTS OPERATED BY LOW R. S. A. ROCKER SHAFTS

List prices given below do not include Rail Braces, Tie Plates, Bridle Rods, Timber or Signal Pipe. We are prepared to furnish prices on application for any variation of this Layout. Orders should specify size and type of rail used.

Trade No.	DESCRIPTION	List Price
2406-1	Single Slip Switch complete with Two 3/8" x 21/4" x 53 feet Detector Bars, Driving Lug, Motion Plate Type Rail Clips, Motion Plate, Solid Jaws, Screw Jaws, Double Lug, "T" Crank, Facing Point Lock, Bolt Lock, Adjustable Lock Rod, Front Rod, Throw Rod with Switch Adjustment, Transverse Pipe Carrier, Rocker Shaft Bearings, Shaft Cranks and Tie Rods	
2406-2	Same as above except with Radial Type Detector Bar Rail Clips, Links, Guides and Stops. For ½" x 2½" x 53 feet Detector Bar, add to above list prices For each additional foot of ¾" x 2½" Detector Bar, add to above list prices. For each additional foot of ½" x 2½" Detector Bar, add to above list prices.	
1098 783	Motion Plate, Detector Bar Rail Clip with short Motion Plate	\$2.07
784 785	and Web Bolts. Same as above except with Hook Bolts. Motion Plate Detector Bar Rail Clip with Long Motion Plate	2.12
786 779 789 787	and Web Bolts. Same as above except with Hook Bolts. Short Radial Type Rail Clip with Link and Hook Bolts. Same as above except with Web Bolts and Forged Bracket. Long Radial Type Detector Bar Rail Clip with Link and Web Bolts.	2.18 2.23 1.80 3.45
788 778-1 778-3 1098-1 1016-1 1021-1 710-2	Same as above except with Hook Bolts. Radial Type Detector Bar Guide and Stop with Hook Bolt. Same as above except with Web Bolt. R. S. A. Detector Bar Driving Lug. """ Solid Jaw with Pin and Cotter. """ Screw""" """ One Way Three Arm Crank, 1134" x 1134" x 1134" complete	2.70 .90 .50 1.44 2.21
704-47 1063-6 1061-7 1060-10 1096 480-1 1002-2	with Stand Pin and Cotter. Double Jaw with Eye and Tang End Pin and Cotter. Low Rocker Shaft Bearing with End Thrust Journal. Square Rocker Shaft, 2" x 2" (Specify length), per ft. Straight Arm for Rocker Shaft, 7½", complete. R. S. A. Facing Point Lock One Way Pipe Operated Bolt Lock complete Threaded Tang End with Nut. 1¼" Hexagon Nut, ¾" thick	5.78 5.40 8.10 1.58 3.24 4.05 5.90 1.26
1002-5 402-5 420-7 409-2 408-5 408-6	Front Rod complete Lock Throw Rod with Switch Adjustment Tie Rod with Switch Point Lugs drilled for Switch Adjustment """"""""""""""""""""""""""""""""""""	18 4.22 4.84 8.76 8.50 8.35
1072-1 427-27 427-37 427-4	R. S. A. Transverse Pipe Carrier R. H. Switch Point Lug with Lug for Bolt Lock and Bolts for fastening to Switch Point Same as above except with Bolts for Reinforced Switch Point L. H. Switch Point Lug with Bolts for fastening to Switch	1.26 5.50 5.54
427-14	Points Same as above except with Bolts for Reinforced Switch Points	5.06 5.10



DERAIL WITH ONE FACING POINT LOCK AND ONE DETECTOR BAR AHEAD OF POINTS





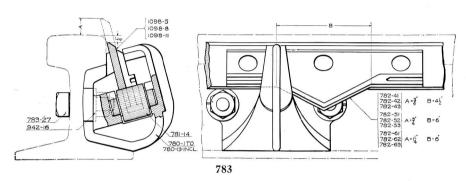
DERAIL WITH ONE FACING POINT LOCK AND ONE DETECTOR BAR AHEAD OF POINTS

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Trade No.	DESCRIPTION	List Price
2407-1	Derail complete with 3/8" x 21/4" x 53 feet Detector Bar, Driving Lug, Motion Plate Type Rail Clips, Motion Plates, Solid Jaws, Screw Jaws, "T" Crank, Facing Point Lock,	
2407-2	Lock Rod, Front Rod, Throw Rod	
	Detector Bar. For each additional foot of 3/8" x 21/4" Detector Bar, add to	
Ø)	above list prices	
783	above list prices	#2.07
784	and Web Bolts	\$2.07 2.12
785	Motion Plate Detector Bar Rail Clip with Long Motion Plate and Web Bolts	2.18
786 779	Same as above except with Hook Bolts Short Radial Type Rail Clip and Link and Hook Bolts	2.23 1.80
789 787	Same as above except with Web Bolts and Forged Bracket. Long Radial Type Detector Bar Rail Clip with Link and Web	3.45
788	BoltsSame as above except with Hook Bolts	2.65 2.70
778-1	Radial Type Detector Bar Guide and Stop with Hook Bolt.	.90
778–3 1098–1	Same as above except with Web Bolt	.50
1016–1 1021–1	" " Solid Jaw with Pin and Cotter	1.44 2.21
1018-1 710-2	Solid Wide Jaw with Pin and Cotter One Way Three Arm Crank, 1134" x 1134" x 1134", com-	2.16
1096	plete with Stand Pin and Cotter	5.78
403-13	R.S. A. Facing Point Lock	4.05 15.34
417-3	Lock Rod complete. Throw Rod complete with Derail Rod Guide.	4.32
403–14 1072–1	Throw Rod complete with Derail Rod Guide	10.60 1.26



SHORT MOTION PLATE DETECTOR BAR RAIL CLIPS WEB BOLT TYPE



Trade No.	DESCRIPTION	List Price
783-1	Rail Clip complete without Motion Plate for 60 lb. A. S. C. E. Rail	\$1.50
783-2	Same as above except with Motion Plate	2.07
783-3	Rail Clip complete without Motion Plate for 65 lb. A. S. C. E.	
	RailSame as above except with Motion Plate	1.50
783 - 4	Same as above except with Motion Plate	2.07
783-5	Rail Clip complete without Motion Plate for 70 lb. A. S. C. E.	1 50
	Rail	1.50
783-6	Same as above except with Motion Plate	2.07
783-7	Rail Cup complete without Motion Flate for 73 ib. A. S. C. E.	1.50
783-8	Rail Same as above except with Motion Plate	2.07
783-9	Rail Clip complete without Motion Plate for 80 lb. A. S. C. E.	2.0.
100)	Rail.	1.50
783-10	Same as above except with Motion Plate	2.07
783-11	Rail Clip complete without Motion Plate for 85 lb. A. S. C. E.	
	Rail	1.50
783-12	Same as above except with Motion Plate	2.07
783–13	Rail Clip complete without Motion Plate for 90 lb. A. S. C. E.	1.50
702 14	RailSame as above except with Motion Plate	2.07
783–14 783–15	Rail Clip complete without Motion Plate for 95 lb. A. S. C. E.	2.07
103-13	Rail	1.50
783-16	Same as above except with Motion Plate	2.07
783-17	Rail Clip complete without Motion Plate for 100 lb. A. S. C. E.	1.50
	Rail	
783-18	Same as above except with Motion Plate	2.07

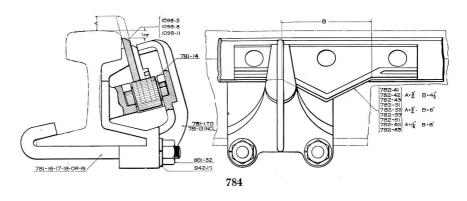


SHORT MOTION PLATE DETECTOR BAR RAIL CLIPS WEB BOLT TYPE

Trade No.	DESCRIPTION	List Price
783–19	Rail Clip complete without Motion Plate for 90 lb. A. R. A. Type "A" Rail Same as above except with Motion Plate	\$1.50
783-20	Same as above except with Motion Plate	2.07
783–21	Kail Clip complete without Motion Plate for 90 lb. A. K. A.	1.50
783-22	Same as above except with Motion Plate	2.07
783–23	Type "B" Rail Same as above except with Motion Plate Rail Clip complete without Motion Plate for 100 lb. A. R. A. Type "A" Rail	1.50
783-24	Same as above except with Motion Plate	2.07
783–25	Same as above except with Motion Plate. Rail Clip complete without Motion Plate for 100 lb. A. R. A. Type "B" Rail.	1.50
783–26	Same as above with Motion Plate	2.07
780-1	Rail Clip Only for 60 lb. A. S. C. E. Rail	.95
780–2	" " " 65 " " " " " "	.95
780–3		.95
780-4		.95
780-5	80	.95
780–6 780–7	" " " 85 " " " " " "	.95
780-7 780-8	" " " " 05 " " " " " " " " " " " " " " "	.95
780–8 780–9	" " " 100 " " " " " "	.95
780–10	" " " " " " " " " " " " " " " " " " "	.95
780-11	" " " " 00 " " " " " " " " " " " " " "	.95
780–12	" " "100 " " " " "A" " " " " " " " " " " " " "	.95
780–13	" " " 100 " " " " " "B" "	.95
781-14	Roller for Motion Plate	.26
783-27	5/8" x 2" Square Head Machine Bolt with Hexagon Nut	.13
942-16	58" x 2" Square Head Machine Bolt with Hexagon Nut 58" Lock Washer	.02
782-41	Short Motion Plate with Rivets for 3/8" Detector Bar	.57
782-42	Same as above except for 7/18" Detector Bar	.57
782-43	" " " " " " " " " " " " " " " " " " "	. 57
782-51	Short Motion Plate with Rivets for 3/8" Detector Bar	.58
782–52 782–53	Same as above except for Tt // Detector Bar	.58
782–61	Short Motion Plate with Rivets for 3/8" Detector Bar	.58
782–62	Same as above except for 7 16 Detector Bars	.58
782-63		.58
1098-5	R. S. A. Detector Bar, $\frac{3}{8}$ x $2\frac{1}{4}$. Specify length	
1098-8	R. S. A. Detector Bar, 38" x 2½". Specify length """ Detector Bar, 76" x 2½". Specify length	
1098–11	Detector Dar, 18 x 21/4. Specify length	



SHORT MOTION PLATE DETECTOR BAR RAIL CLIPS HOOK BOLT TYPE



DESCRIPTION	List Price
Rail Clip complete without Motion Plate for 60 lb. A. S. C. E.	24 77
Rail	\$1.55
Same as above except with Motion Plate	2.12
	1.55
	2.12
Rail Clip complete without Motion Plate for 70 lb. A. S. C. E.	2.12
Rail.	1.55
Same as above except with Motion Plate	2.12
Rail Clip complete without Motion Plate for 75 lb. A. S. C. E.	
Rail.	1.55
Same as above except with Motion Plate	2.12
Rail Clip complete without Motion Plate for 80 lb. A. S. C. E.	1 55
	1.55 2.12
Same as above except with Motion Plate	2.12
Rail Cup complete without Motion 1 late for 83 ib. A. S. C. E.	1.55
Same as above except with Motion Plate	2.12
Rail Clip complete without Motion Plate for 90 lb. A. S. C. E.	
Rail	1.55
Same as above except with Motion Plate	2.12
Rail Clip complete without Motion Plate for 95 lb. A. S. C. E.	
Rail	1.55
Same as above except with Motion Plate	2.12
Rail Clip complete without Motion Plate for 100 lb. A. S. C. E.	1.55
Same as above except with Motion Plate	2.12
	Rail Clip complete without Motion Plate for 60 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 65 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 65 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 70 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 70 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 75 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 80 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 80 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 85 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 85 lb. A. S. C. E. Rail. Same as above except with Motion Plate for 80 lb. A. S. C. E. Rail.

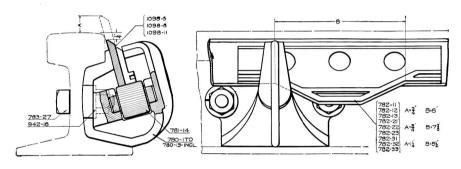


SHORT MOTION PLATE DETECTOR BAR RAIL CLIPS HOOK BOLT TYPE

Trade No.	DESCRIPTION	List Price
784–19	Rail Clip complete without Motion Plate for 90 lb. A. R. A. Type "A" Rail	\$1.55
784–20 784–21	Same as above except with Motion Plate	2.12 1.55
784–22 784–23	Type "B" Rail Same as above except with Motion Plate Rail Clip complete without Motion Plate for 100 lb. A. R. A.	2.12
784–24 784–25	Type "A" Rail Same as above except with Motion Plate Rail Clip complete without Motion Plate for 100 lb. A. R. A.	1.55 2.12
784–26 781–1 781–2	Type "B" Rail Same as above except with Motion Plate Rail Clip Only for 60 lb. A. S. C. E. Rail """65""""	1.55 2.12 .95 .95
781–3 781–4 781–5	" " " 70 " " " " " " "	.95 .95 .95
781–6 781–7 781–8	" " " 85 " " " " " "	.95 .95 .95
781–9 781–10	" " " "100 " " " " " "	.95 .95
781–11 781–12 781–13	" " " 100 " " " " " "A" "	.95 .95 .95
781–14 781–16 781–17	Roller for Motion Plate	.26
781–18 781–19	and 90 lb. A. R. A. Type "A" Rail	.16
942–16 782–41	and "B" Rail	.16 .02 .57
782–42 782–43	Same as above except for $\frac{7}{16}$ Detector Bar	.57 .57
782–51 782–52 782–53	Short Motion Plate with Rivets for 3/8" Detector Bar	.58 .58 .58
782–61 782–62 782–63	Short Motion Plate with Rivets for \(\frac{1}{2} \) Detector Bar Same as above except for \(\frac{7}{6} \) Detector Bar	.58 .58 .58
1098–5 1098–8 1098–11	R. S. A. Detector Bar 3/8" x 21/4". Specify length	



LONG MOTION PLATE DETECTOR BAR RAIL CLIPS WEB BOLT TYPE



Trade No.	DESCRIPTION	List Price
785–1	Rail Clip complete without Motion Plate for 60 lb. A. S. C. E. Rail.	\$1.50
785–2 785–3	Same as above except with Motion Plate	2.18
785-4	RailSame as above except with Motion Plate	1.50 2.18
785–5	Rail Clip complete without Motion Plate for 70 lb. A. S. C. E. Rail.	1.50
785–6 785–7	Same as above except with Motion Plate	2.18
785-8	Rail. Same as above except with Motion Plate.	1.50 2.18
785–8 785–9	Rail Clip complete without Motion Plate for 80 lb. A. S. C. E.	1.50
785-10	Rail Same as above except with Motion Plate	2.18
785–11	Rail Clip complete without Motion Plate for 85 lb. A. S. C. E. Rail	1.50
785–12 785–13	Same as above except with Motion Plate	2.18
785–14	RailSame as above except with Motion Plate	1.50 2.18
785–15	Rail Clip complete without Motion Plate for 95 lb. A. S. C. E. Rail.	1.50
785–16 785–17	Same as above except with Motion Plate	2.18
785–18	Rail Same as above with Motion Plate	1.50 2.18

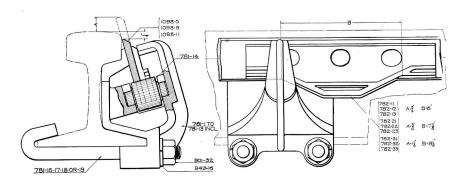


LONG MOTION PLATE DETECTOR BAR RAIL CLIPS WEB BOLT TYPE

Trade No.	DESCRIPTION	List Price
785–19	Rail Clip complete without Motion Plate for 90 lb. A. R. A.	@1 FO
785-20	Rail Type "A" Same as above except with Motion Plate	\$1.50 2.18
785-21	Rail Clip complete without Motion Plate for 90 lb. A. R. A.	2.10
700 21	Rail Type "B"	1.50
785-22	Same as above with Motion Plate	2.18
785-23	Rail Clip complete without Motion Plate for 100 lb. A. R. A.	2.10
0.000	Rail Type "A"	1.50
785-24	Same as above with Motion Plate	2.18
785-25	Rail Clip complete without Motion Plate for 100 lb A R A	
	Rail Type 'B''. Same as above except with Motion Plate.	1.50
785–26	Same as above except with Motion Plate	2.18
780-1	Rail Clip Only for 60 lb. A. S. C. E. Rail	.95
780-2	03	.95
780–3	70	.95
780-4	13	.95
780-5		.95
780–6	83	.95
780-7	90	.95
780-8	95	.95
780-9	100	.95
780–10	90 I vpe A A, R, A, Rail	.95
780-11	" " " " 100 " " "A" " " " " " " " " " " " " " " "	. 95
780–12	" " " 100 " " "A" " " " "	.95
780–13	D II C M : DI	.95
781–14	Roller for Motion Plate. 86" x 2" Square Head Machine Bolt with Hexagon Nut	. 26
783-27	%" x 2" Square Head Machine Bolt with Hexagon Nut	. 13
$942-16 \\ 782-11$	58" Standard Lock Washer Long Motion Plate with Rivets for 38" Detector Bar	. 02
	Long Motion Plate with Rivets for 78" Detector Bar	. 69
782–12 782–13	Same as above except for $\frac{76}{18}$ Detector Bar	. 69
782-13 782-21	Long Motion Plate with Rivets for 3/8" Detector Bar	. 69
782-21 782-22	Come as a base amount for 7 // Detector Bar	. 68
782-22 782-23	Same as above except for $\frac{7}{16}$ Detector Bar	. 68
	/4	. 68
782–31 782–32	Long Motion Plate with Rivets for 3/8" Detector Bar	. 69
782-32 782-33	"" " " " " " " " " " " " " " " " " " "	. 69
1098-5	P S A Detector Box 36" x 21/" Specific love I	. 69
1098-8	Same as above except for $\frac{7}{16}$ " Detector Bar. R. S. A. Detector Bar, $\frac{3}{8}$ " x $\frac{21}{4}$ ". Specify length Detector Bar $\frac{7}{16}$ " x $\frac{21}{4}$ ". Specify length.	
1098-11	Detector Bar 7" x 21/" Specify length	
1070-11	Detector but 16 x 2/4 . Openly length	



LONG MOTION PLATE DETECTOR BAR RAIL CLIPS HOOK BOLT TYPE



Trade No.	DESCRIPTION	List Price
786–1	Rail clip complete without Motion Plate for 60 lb. A. S. C. E. Rail.	\$1.55
786–2 786–3	Same as above except with Motion Plate. Rail Clip complete without Motion Plate for 65 lb. A. S. C. E.	2.23
786–4	Rail.^Same as above except with Motion PlateRail Clip complete without Motion Plate for 70 lb. A. S. C. E.	1.55 2.23
786–5 786–6	RailSame as above except with Motion Plate	1.55 2.23
786-7	Rail Clip complete without Motion Plate for 75 lb. A. S. C. E. Rail.	1.55
786–8 786–9	Same as above except with Motion Plate	2.23 1.55
786–10 786–11	RailSame as above except with Motion PlateRail Clip complete without Motion Plate for 85 lb. A. S. C. E.	2.23
786-12	Rail	1.55 2.23
786–13 786–14	Rail Clip complete without Motion Plate for 90 lb. A. S. C. E. Rail	1.55 2.23
786–15	Rail Clip complete without Motion Plate for 95 lb. A. S. C. E	1.55
786–16 786–17	Same as above except with Motion Plate Rail Clip complete without Motion Plate for 100 lb. A. S. C. E.	2.23
786–18	Rail Same as above except with Motion Plate	1.55

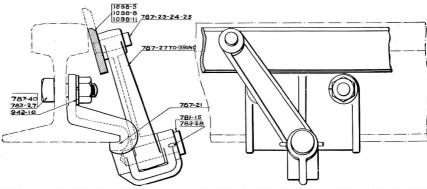


LONG MOTION PLATE DETECTOR BAR RAIL CLIPS HOOK BOLT TYPE

Tra	DESCRIPTION	List Price
786	Rail Clip complete without Motion Plate for 90 lb. A. R. A.	
	Rail Type "A"	\$1.55
786	Same as above except with Motion Plate	2.23
-786	Rail Clip complete without Motion Plate for 90 lb. A. R. A.	
	Type "B" Rail. Same as above except with Motion Plate. Rail Clip complete without Motion Plate for 100 lb. A. R. A.	1.55
786	Same as above except with Motion Plate	2.23
786	Type "A" Rail	1.55
786	Same as above except with Motion Plate.	2.23
786	Rail Clip complete without Motion Plate for 100 lb. A. R. A.	2.20
100	Type "B" Rail	1.55
786	Same as above except with Motion Plate	2.23
781	Rail Clip Only for 60 lb. A. S. C. E. Rail	.95
781	" " " 65 " " " " "	.95
781	" " " 70 " " " " " " " " " " " " " " " "	.95
781	/3	.95
781	80	.95
781	63	.95
781	" " " 95 " " " " " " "	.95
781 781	" " " 100 " " " " " "	.95
781	" " " 90 " A. R. A. Type "A" Rail	.95
781	" " " " 00 " " " " "B" "	.95
781	" " "100 " " " " "A'' "	.95
781		.95
781	Roller for Motion Plate	. 26
781	Hook Bolt with 5/8" Hexagon Nut for 60 lb. and 65 lb. A. S. C.	.16
781	E. Rail. Same as above except for 70 lb., 75 lb. and 80 lb. A. S. C. E.	.10
701	Rail and 90 lb. A. R. A. Type "B" Rail	.16
781	Same as above except for 85 lb. A. S. C. E. Rail	.16
781	" " " 90 lb., 95 lb. and 100 lb. A. S. C. E.	
	and 90 lb. A. R. A. Type "A", 100 lb. A. R. A. Type "A" and	
0 : -	"B" Rail	.16
942	58" Standard Lock Washer Long Motion Plate with Rivets for 38" Detector Bar	.02
782 782	Same as above except for $\frac{7}{18}$ " Detector Bar	. 69 . 69
782 782	" " " " " " " " " " " " " " " " " " "	. 69
782	Long Motion Plate with Rivets for 3/8" Detector Bar	. 68
782	Long Motion Plate with Rivets for 3/8" Detector Bar. Same as above except for 7/8" Detector Bars. """""""""""""""""""""""""""""""""""	.68
782	" " " " " " " " " " " " " " " " " " "	.68
782	Long Motion Plate with Rivets for 3/8" Detector Bars	. 69
782	Same as above except for 1/2" Detector Bars	. 69
1098	R. S. A. Detector Bar, 3/8" x 21/4". Specify length	******
1098	Same as above except for $\frac{1}{2}$ " Detector Bars. R. S. A. Detector Bar, $\frac{3}{8}$ " x 2 $\frac{1}{4}$ ". Specify length. """ $\frac{7}{18}$ " x 2 $\frac{1}{4}$ ". Specify length.	
1098	Detector Bar 18" x 21/4". Specify length	1



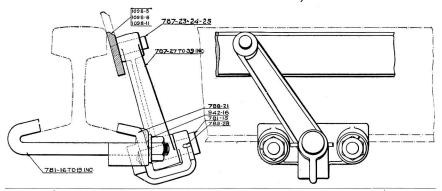
LONG RADIAL TYPE DETECTOR BAR RAIL CLIPS WEB BOLT TYPE



787–1 Rail Clip complete as shown with Link, Link Stud, Bar Stud, Washer, Cotter and Web Bolts for 60 lb. A. S. C. E. Rail.	Price
	\$2.65
787–2 Same as above except for 65 lb. A. S. C. E. Rail	2.65
787–3 " " " " " " " " " " " " " " " " " " "	2.65
787-4 " " " 75 " " " " "	2.65
787-5 " " " " " 80 " " " " "	2.65
787-6 " " " " " 85 " " " " " "	2.65
787-7 " " " " " " " " " " " " " " " " " "	
707 7	2.65
181-8	2.65
10. 2	2.65
787-10 90 Type A A. R. A. Rail	2.65
787-11 90 B	2.65
181-12 100 A	2.65
787-13 B	2.65
787–21 Rail Clip Only. Specify type and size of rail	1.65
787–23 Stud for 3'8" Detector Bar.	.10
$787-24$ " " $\frac{7}{8}$ " "	.10
787–24 " " 7" " "	.10
781–15 Link Stud Only	.16
783–28 3" x 2½" Cotter Pin	.01
783–27 5/8" x 2" Square Head Machine Bolt with Hexagon Nut	. 13
787–40 5%" x 2½"" " " " " " " " " " " " " " " " " "	.13
942–16 5/8" Standard Lock Washer	.02
787–27 Link Only for 60 lb. A. S. C. E. Rail	.50
787–28	.50
787-29 " " 70 " " " " " "	.50
787–30 " " 75 " " " " " "	.50
787-31 " " 80 " " " " "	.50
787–32 " " 85 " " " " "	.50
787-33 " " " 90 " " " " " "	.50
787–34 " " 95 " " " " " "	.50
707 01	
	.50
787-30 90 Type A A. R. A. Rail	. 50
	. 50
101-36 100 A	. 50
	. 50
1098-5 R. S. A. Detector Bar, 38" x 21/4". Specify length	
1098–11 Detector Bar, $\frac{7}{16}$ " x $2\frac{1}{4}$ ". Specify length	



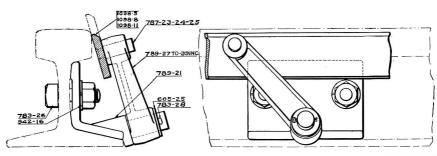
RADIAL TYPE DETECTOR BAR RAIL CLIPS, HOOK BOLT TYPE



Trade No.	DESCRIPTION	List Price
788-1	Rail Clip complete with Link, Link Stud, Bar Stud, Cotter and	
	Hook Bolts for 60 lb. A. S. C. E. Rail	\$2.70
788-2	Same as above except for 65 lb. A. S. C. E. Rail	2.70
788-3	" " " 70 " " " " "	2.70
788-4	15	2.70
788-5	80	2.70
788-6	85	2.70
788-7	" " " " " 90 " " " " " "	2.70
788-8	• • • • • • • • • • • • • • • • • • • •	2.70
788-9	100	2.70
788–10 788–11	" " " " 90 " Type "A" A. R. A. Rail	$\begin{array}{c} 2.70 \\ 2.70 \end{array}$
788-11 788-12	" " " " " " " " " " " " " " " " " " "	2.70
788–13	" " " " " 100 " " "B" " " " " "	2.70
788-21	D. T. Cl. C. I	1.65
787-23	Operating Stud for 3/8" Detector Bars	.10
787-24	" " " " " " " " " " " " "	.10
787-25	" " " " " " " " " " " " " " " " " " "	.10
781–15	Link Stud Only	.16
783-28	$\frac{3}{4}$ " x 2½" Cotter Pin	.01
781–16	³ / ₁₈ " x 2½" Cotter Pin. Hook Bolts for 60 lb. and 65 lb. A. S. C. E. Rail Clip	.16
781-17	" " 70 lb., 75 lb. and 80 lb. A. S. C. E. and 90 lb.	
	Type "B" A. R. A. Rails	.16
781-18	Hook Bolts for 85 lb. A. S. C. E. Rails	.16
781–19	" " 90 lb., 95 lb. and 100 lb. A. S. C. E. and 90 lb.	
	Type "A" and 100 lb. Type "A" and "B" A. R. A. Rails	.16
942-16	58" Standard Lock Washer Link Only for 60 lb. A. S. C. E. Rail	.02
787-27	Link Only for 60 lb. A. S. C. E. Rail	. 50
787-28	05	. 50
787-29		. 50
787-30	15	.50
787–31 787–32	" " 80 " " " " " "	.50 .50
787–32 787–33	" " " 90 " " " " " "	.50
787–33 787–34	" " 95 " " " " " " " " " " " " " " " " "	.50
787–34	" " 100 " " " " " " " " " " " " " " " "	.50
787-36	" " " 90 " Type "A" A. R. A. Rail	.50
787-37	" " 90 " "B" " " "	.50
787–38	" " 100 " " "A" " " " " " " " " " " " " " " "	.50
787-39	" " "100 " " "B" " " " "	.50
1098-5	R. S. A. Detector Bar 3/8" x 21/4". Specify length	
1098-8	72 * 274	
1098-11	Detector Bar $\frac{7}{16}$ " x $2\frac{1}{4}$ ". Specify length	



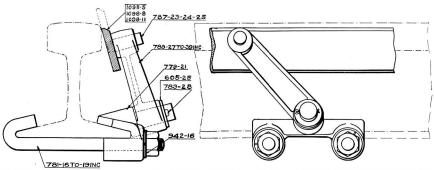
RADIAL TYPE DETECTOR BAR RAIL CLIPS WEB BOLT TYPE



Trade No.	DESCRIPTION	List Price
789-1	Rail Clip complete with Link, Link Stud, Bar Stud, Washer, Cotter and Web Bolts for 60 lb. A. S. C. E. Rail	\$3.45
789-2	Same as above except for 65 " " " " " "	3.45
789–3	" " 70 " " " " " " " " " " " " " " " " "	3.45
789–4		3.45
789-5		3.45
789–6		3.45
789-7		3.45
789-8	" " " " " " " " " " " " " " " " " " "	3.45
789-8	" " " " "100 " " " " " " " " " " " " " "	3.45
789–9	" " " " " " Type "A" A. R. A. Rail	3.45
	" " " " " "B" " " " "	3.45
789-11	" " " "100 " "A" " " " " " " " " " " " " " " " "	3.45
789–12	" " " " " " " " " " " " " " " " " " "	3.45
789–13	100 B	
789-21	Rail Clip Only (Forged)	2.64
787-23	Operating Stud for 3/8" Detector Bar	.10
787-24	" " " 16 " " " " " " " " " " " " " " " "	.10
787-25		.10
783–28	$\frac{3}{16}$ " x $2\frac{1}{2}$ " Cotter Pin	.01
605-25	1" Standard Iron Washer	. 02
783–26	5/8" x 2" Square Head Bolt with Hexagon Nut	.13
942-16	5/8" Standard Lock Washer	. 02
789-27	Link Only for 60 lb. A. S. C. E. Rail	.50
789-28	" " 65 " " " " "	. 50
789-29	" " 70 " " " " "	. 50
789-30	" " 75 " " " " "	. 50
789-31	" " 80 " " " " "	. 50
789-32	" " 85 " " " " " "	. 50
789-33	" " " 90 " " " " "	. 50
789-34	" " 95 " " " " "	.50
789-35	" " "100 " " " " " "	.50
789–36	" " 90 " Type "A" A. R. A. Rail	.50
789–37	" " " 90 " " "B" " " " " " "	.50
789–38	" " "100 " " "A" " " " " "	.50
789-39	" " 100 " " "B" " " " "	.50
1098-5		.50
1098-8	R. S. A. Detector Bar 3%" x 21/4". Specify length	
1098-8	Detector Bar $\frac{7}{16}$ " x $2\frac{1}{4}$ ". Specify length	
1090-11	Detector bar 78 x 2/4 . Openry length	1



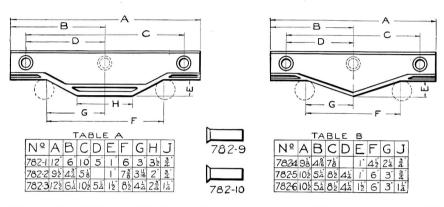
RADIAL TYPE DETECTOR BAR RAIL CLIPS, HOOK BOLT TYPE



Trade No.	DESCRIPTION	List Price
779–1	Rail Clip complete with Link, Link Stud, Bar Stud, Washer, Cotter and Hook Bolts for 60 lb. A. S. C. E. Rail	\$1.80
779-2	Same as above except for 65 lb. A. S. C. E. Rail	1.80
779-3		1.80
779-4	"""""""""""""""""""""""""""""""""""""""	1.80
779-5	"""""""""""""""""""""""""""""""""""""""	1.80
779-6	"""""""""""""""	1.80
779-7	"""""""""""""""""""""""""""""""""""""""	1.80
779-8		1.80
779–9	""""""""""""""""""""""""""""""""""""""	1.80
779-10	" " " " 90 " Type "A" A. R. A. Rail	1.80
779-11	" " " " " "B", " " " " "	1.80
779-12	" " " " 100 " " "A" " " " " "	1.80
779-13	""""""""""""""""""""""""""""""""""""""	1.80
779 - 21	Rail Clip Only	.80
787-23	Operating Stud for 3/8" Detector Bar	. 10
787-24	" " " " " " " " " " " " " " " " " " "	.10
787-25	" " 16/1 " " "	. 10
789-26	Link Stud Only	
783-28	## X 2½" Cotter Pin	. 01
605-25	1" Standard Iron Washer	. 02
781–16	Hook Bolt for 60 lb. and 65 lb. A. S. C. E. Rails	.16
781-17	" " 70 lb., 75 lb. and 80 lb. A. S. C. E. and 90 lb.	
	Type "B" A. R. A. Rails	.16
781–18	Hook Bolt for 85 lb. A. S. C. E. Rail	.16
781–19	" " 90 lb., 95 lb. and 100 lb. A. S. C. E., 90 lb.	
	Type "A" and 100 lb. Type "A" and "B" A. R. A. Rails	.16
942-16	5/8" Standard Lock Washer	.02
789-27	Link Only for 60 lb. A. S. C. E. Rail	. 50
789–28	05	. 50
789-29	70	.50
789-30	/5	. 50
789-31	80	.50
789–32	85 " " " "	.50
789–33		. 50
789-34	95	. 50
789–35	100	.50
779–36	" " 90 " Type "A" A. R. A. Rail	.50
789-37	90 В	.50
789–38	" " 100 " " "A" " " " "	.50
789–39	D C A D-t-t- D- 36/1-21/1/ S-25/- Ist-	.30
1098-5 1098-8	R. S. A. Detector Bar, 38" x 2½". Specify length	
1098-8	Detector Bar, $\frac{7}{16}$ " x 2½". Specify length	
1090-11	Detector bar, 76 x 2/4. Specify length	1



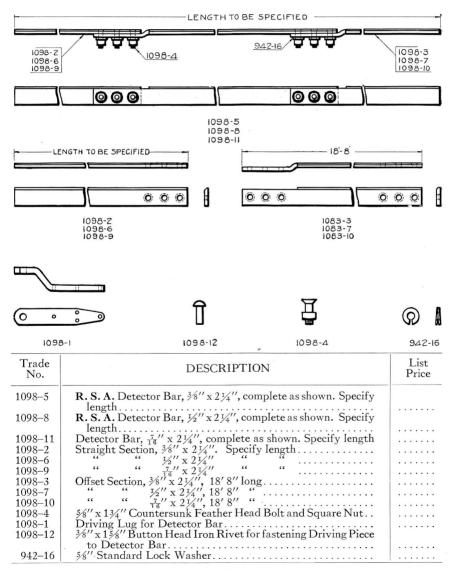
MOTION PLATES FOR DETECTOR BARS



Trade No.	DESCRIPTION	List Price
782-1	Long Motion Plate (See Table "A" for dimensions)	\$0.66
782-11	Same as above with Rivets for 3/8" Detector Bars	. 69
782-12	7//	. 69
782-13	" $"$ $"$ $"$ $"$ $"$ $"$ $"$ $"$ $"$. 69
782-2	Long Motion Plate (See Table "A" for dimensions)	.66
782-21	Same as above with Rivets for 3/8" Detector Bars	. 68
782-22	66 66 66 66 66 777 66 66	. 68
782-23	u u u u u u u u u u	.68
782-3	Long Motion Plate (See Table "A" for dimensions)	.66
782-31	Same as above with Rivets for 3/8" Detector Bars	. 69
782-32	(6 (6 (6 (6 (6 7)) (6 (6	.69
782-33	" " " " " " " " " " " " " " " " " " "	.69
782-4	Short Motion Plate (See Table "B" for dimensions)	. 55
782-41	Same as above with Rivets for 3/8" Detector Bars	.57
782-42	(((((((7))	.57
782-43	" " " " " " 16 " " " " " " " " " " " " " " " " " " "	.57
782-5	Short Motion Plate (See Table "B" for dimensions)	.55
782-51	Same as above with Rivets for 3/8" Detector Bars	.58
782-52		.58
782-53	$\begin{array}{cccccccccccccccccccccccccccccccccccc$.58
782-6	Short Motion Plate (See Table "B" for dimensions)	.55
782-61	Same as above with Rivets for 3/8" Detector Bars	.58
782-62	cc cc cc cc cc cc 7/1 cc cc	.58
782-63	" " " " " " " " " " " " " " " " " " "	.58
782-9	½" x 1" Countersunk Head Iron Rivets for fastening Motion	.50
	Plate to 3/8" or 7 10 Detector Bars	.01
782-10	1/2" x 1 1/8" Countersunk Head Iron Rivets for fastening	
0.00000 55050	Motion Plate to ½" Detector Bars	.01

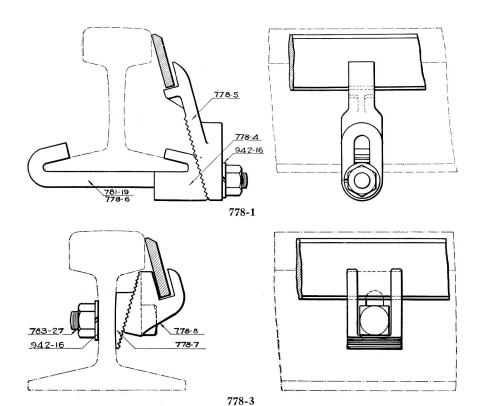


R. S. A. DETECTOR BARS





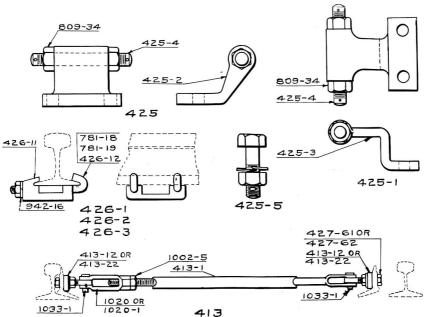
DETECTOR BAR GUIDES AND STOPS



Trade No.	DESCRIPTION	List Price
778–1	Adjustable Detector Bar Guide and Stop complete as shown for 60 lb., 65 lb., 70 lb., 75 lb. and 80 lb. A. S. C. E. 90 lb. Type "A" and "B" and 100 lb. Type "B" A. R. A. Rails.	\$0.90
778-2	Same as above except for 85 lb., 90 lb., 95 lb. and 100 lb. A. S. C. E. and 100 lb. Type "A" A. R. A. Rails	.90
778–3	Adjustable Bar Guide and Stop Web Bolt Type, complete as shown	.50
778 - 4	Rail Clip Only	.32
778 - 5	Guide and Stop Piece Only	.42
781–19	Hook Bolt for 60 lb., 65 lb., 70 lb., 75 lb. and 80 lb. A. S. C. E. 90 lb. Type "A" and "B" and 100 lb. Type "B" A. R. A.	
	Rails	.16
778-6	Hook Bolt for 85 lb., 90 lb., 95 lb. and 100 lb. A. S. C. E. and	
0.10.11	100 lb. Type "A" A. R. A. Rails	.16
942-16	5/8" Lock Washer	.02
778-7	Adjustable Detector Bar Stop, Rail Half	.11
778-8	Bar "	. 22
783 - 27	5%" x 2" Square Head Machine Bolt with Hexagon Nut	.13



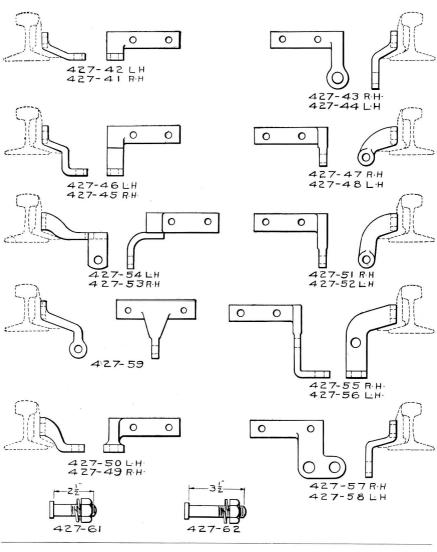
POINT SEPARATOR, DERAIL GUIDES AND COMBINATION LOCK AND FRONT ROD



Trade No.	DESCRIPTION	List Price
425	Point Separator complete as shown with Adjusting Studs, Hexagon Nuts	
	and Bolts for fastening, Malleable Bracket	\$2.75
425-1	Same as above except with Forged Bracket	3.50
425-2	Malleable Bracket for Point Separator	1.93
425 - 3	Forged	2.75
425-4	Adjusting Stud " "	.32
809-34	1" Standard Hexagon Nut	.10
425-5	34" x 234" Square Head Machine Bolt with Nut, Lock Washer and Cotter	.16
426 - 1	Derail Rod Guide with Hook Bolts for 60 lb., 65 lb., 70 lb. A. S. C. E. and	
	90 lb. Type "B" A. R. A. Rail	. 83
426-2	Same as above except for 75 lb., 80 lb. and 85 lb. A. S. C. E. 90 lb. Type "A"	
	and 100 lb. Type "B" A. R. A. Rails	. 8.
426 - 3	and 100 lb. Type "B" A. R. Á. Rails. Same as above except for 90 lb., 95 lb. and 100 lb. A. S. C. E. and 100 lb.	_
	Type "A" A. R. A. Rail	.8.
426-11	Derail Rod Guide Only.	. 5.
781 - 18	Hook Bolt for 426–1 Derail Rod Guide	. 10
781-19		. 10
426-12	" " 426-3 " "	. 1
942 - 16	5%" Lock Washer	.0
413	Combined Front and Lock Rod complete as shown with Forged Screw Jaw,	
	Jaw Pin, Nut and Switch Point Lugs	8.2
413-11	Same as above except with Malleable Screw Jaw	7.9
413-1	Solid Jaw End Only	5.2
1020	R. S. A. Forged Screw Jaw.	.8
1020-1	Screw Jaw, Malleable Iron	. 5
1002-5	1½" Hexagon Nut, ¾" thick	. 1
1033-1	R. S. A. Jaw Pin. 78" x 2½" with Cotter	. 1
704-14	1½" Hexagon Nut, ¾" thick. R. S. A. Jaw Pin, ¾" x 2½" with Cotter. ¾" x 1½" Cotter Pin for above, per C.	.9
413-2	Switch Point Lug Only	1.3
413-12	Switch Point Lug Only	1.6
413-22	" " " Reinforced Switch Points	1.6
427-61	3/" x 2 1/" Flat Head Bolts with Hexagon Nut and Lock Washer for fasten-	
	ing Switch Point Lugs to Switch Points	. 1
427-62	3/4" x 3 1/2" Flat Head Bolts with Hexagon Nut and Lock Washer for fasten-	
02	ing Switch Point Lugs to Reinforced Switch Points	. 1



SWITCH POINT LUGS



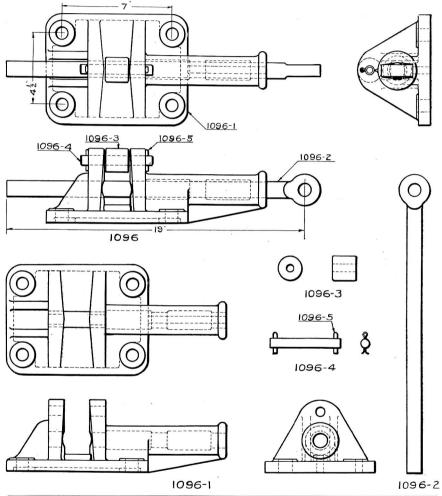


SWITCH POINT LUGS

Trade No.	DESCRIPTION	List Price
427-41	Right Hand Switch Point Lug for Single Slip Switch or Derail	\$1.15
427-1	Right Hand Switch Point Lug for Single Slip Switch or Derail	1.43
427-11	" " 427-62 Bolts for Reinforced Switch Points	1.47
427-42	427-62 Bolts for Reinforced Switch Points. Left Hand Switch Point Lug for Single Slip Switch or Derail. Same as above with Two 427-61 Bolts for Switch Points. 427-62 W W W W W W W W W W W W W W W W W W W	1.15
427-2	Same as above with Two 427-61 Bolts for Switch Points	1.43
427-12	427-62 " " " " " " " " " " " " " " " " " " "	1.47
427-43	Right Hand Switch Point Lugs for Slip Switches or M. P. F. Same as above with Two 427-61 Bolts for Switch Points. " 427-62 Bolts for Reinforced Switch Point Left Hand Switch Point Lug for Slip Switches or M. P. F. Same as above with Two 427-61 Bolts for Switch Points. " 427-62 Bolts for Reinforced Switch Point Bight Hand Switch Point Lug for Double Slip Switch Point. Right Hand Switch Point Lug for Double Slip Switch Or M. P. F.	4.78
427-3	Same as above with Two 427–61 Bolts for Switch Points	5.06
427-13	" " " 427-62 Bolts for Reinforced Switch Point	5.10
427-44	Left Hand Switch Point Lug for Slip Switches or M. P. F.	4.78
427-4	Same as above with Two 427–61 Bolts for Switch Points	5.06
427-14	" " " 427-62 Bolts for Reinforced Switch Point	5.10
427-45	Right Hand Switch Point Lug for Double Slip Switch or M. P. F. Same as above with Two 427–61 Bolts for Switch Points	2.42
427-5	Same as above with Two 427–61 Bolts for Switch Points	2.70
427-15	" " " " " 427–62 Bolts for Reinforced Switch Point	2.74
427-46		2.42
427-6	Same as above with Two 427–61 Bollts for Switch Points	2.70
427-16	" " " " " 427–62 Bolts for Reinforced Switch Point	2.74
427-47	Right Hand Switch Point Lug for Vertical Tie Rods	2.91
427-7	Same as above with Tone 427–61 Rolts for Switch Point	3.19
427-17	" " " " " 427–62 Rolts for Reinforced Switch Point	3.23
427-48	Same as above with Two 427-61 Bolts for Switch Points. """ 427-62 Bolts for Switch Points. """ 427-62 Bolts for Reinforced Switch Point. Right Hand Switch Point Lug for Vertical Tie Rods. Same as above with Two 427-61 Bolts for Switch Point. """ 427-62 Bolts for Reinforced Switch Point. Left Hand Switch Point Lug for Vertical Tie Rods. Same as above with Two 427-61 Bolts for Switch Points. """ 427-62 Bolts for Reinforced Switch Point. """ 127-62 Bolts for Reinforced Switch Point. """ 127-62 Bolts for Reinforced Switch Point.	2.91
427-48	Same as above with Two 427-61 Rolle for Switch Points	3.19
427-18	" " " " " " 427–01 Bolts for Reinforged Switch Point	3.23
427-16	Dight Hand Switch Daint Lug for Harizantal Tio Pode	2.47
	Right Hand Switch Point Lug for Horizontal Tie Rods. Same as above with Two 427–61 Bolts for Switch Point	2.75
427-9	" " " " " A 27-01 Botts for Painformed Switch Point	2.79
427-19	Left Hand Switch Point Lug for Horizontal Tie Rods	2.47
427-50	Left Hand Switch Foint Lug for Hollzontai He Rous.	2.75
427-10	Same as above with Two 427–61 Bolts for Switch Points	2.79
427-20	Right Hand Switch Point Lugs for Vertical Tie Rods. Same as above with Two 427-61 Bolts for Switch Points. " " " " 427-62 Bolts for Reinforced Switch Point. Left Hand Switch Point Lug for Vertical Switch Points. Same as above with Two 427-61 Bolts for Switch Points. " " " 427-62 Bolts for Switch Points. Right Hand Switch Point Lug with Independent Lug for Bolt Lock.	2.79
427-51	Right Hand Switch Point Lugs for Vertical He Rods.	3.19
427-21	Same as above with 1 wo 427-01 Boits for Switch Points.	3.19
427-31	427-02 Botts for Reinforced Switch Fount	2.91
427-52	Left Hand Switch Point Lug for Vertical Switch Points.	3.19
427-22	Same as above with 1 wo 427-01 Boits for Switch Points.	3.19
427-32	Piet Hard Crite Drive I agree I be Reinforced Switch Folia	4.84
427-53 427-23	Right Hand Switch Foint Lite with Independent Lie for Boit Lock	5.12
427-23	Same as above with Two 427–61 Bolts for Switch Points	5.16
427-33 427-54	I of Hand Switch Doint Lucy with Independent Lucy for Rolt Locks	4.84
	Left Hand Switch Point Lug with Independent Lug for Bolt Locks. Same as above with Two 427-61 Bolts for Switch Points. """""""""""""""""""""""""""""""""""	5.12
427-24 427-34	Same as above with 1 wo 427-01 Boils for Poinferend Switch Point	5.16
427-55	Pight Hand Switch Point Lug with Independent Lug for Bolt Lock	4.95
427-35	Right Hand Switch Point Lug with Independent Lug for Bolt Lock Same as above with Two 427-61 Bolts for Switch Points. """""""""""""""""""""""""""""""""""	5.23
	" " " " " 427–61 Bolts for Reinforced Switch Point	5.27
427-35	I oft Hand Switch Doint I we with Independent I we for Belt I ock	4.95
427-56	Left Hand Switch Point Lug with Independent Lug for Bolt Lock	5.23
427-26	Same as above with 1 wo 427-01 Boits for Dainferred Switch Point	5.27
427-36 427-59	Switch Daint Lug for David Lab Pod	2.36
427-39	Switch Point Lug for Derail Lock Rod Same as above with Two 427-61 Bolts for Switch Points """"""""""""""""""""""""""""""""""	2.64
427-29	Same as above with 1 wo 427–01 Boils for Pointered Switch Point	2.68
	3/11 - 21/11 Flat Hand Bulter with Hayerran Nut and Lock Worker for factor	2.00
427 - 61	74 x 2/2 Fig. Fred Dolts With Flexagon I Nut and Lock Washer for fasten-	.14
427-62	3/" x 2½" Flat Head Bolts with Hexagon Nut and Lock Washer for fastening Switch Point Lug to Switch Point 3/" x 3½" Flat Head Bolt with Hexagon Nut and Lock Washer for fastening Switch Point Lug to Reinforced Switch Point. Right Hand Switch Point Lug with Hole for Bolt Lock Rod. Same as above with Two 427–61 Bolts for Switch Point. """427–62 Bolts for Reinforced Switch Point. Left Hand Switch Point Lug with Hole for Bolt Lock Rod. Same as above with Two 427–61 Bolts for Switch Points. """427–62 Bolts for Reinforced Switch Point.	
107 57	ing Switch Point Lug to Keinlorced Switch Point.	.16 5.22
427-57	Right fland Switch Point Lug with flole for Boilt Lock Rod	5.50
427-27	Same as above with 1 wo 42/-01 Bolts for Switch Point.	
427-37	1 of the J Crist Point I would for Religioned Switch Point	5.54
427-58	Left Hand Switch Point Lug with Hole for Bolt Lock Rod	5.22
427-28	Same as above with 1 wo 42/-01 Bolts for Switch Points	5.50 5.54
427 - 38	427-02 Doits for Keinforced Switch Point	0.54



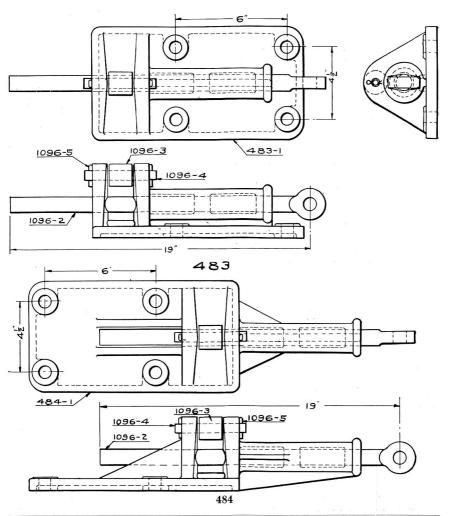
R. S. A. PLUNGER LOCK



Trade No.	DESCRIPTION	List Price
1096 1096–1 1096–2 1096–3 1096–4 1096–5	R. S. A. Plunger Lock, complete as shown Plunger Lock Stand Roller Pin with Two $\frac{3}{16}$ " x 1" Cotter $\frac{3}{16}$ " x 1" Cotter Pins, per C	\$4.05 3.02 .90 .23 .09



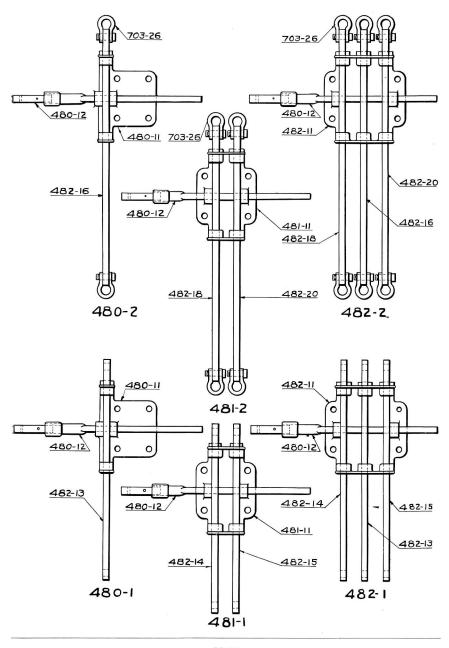
PLUNGER LOCKS



Trade No.	DESCRIPTION	List Price
483 484	Single Plunger Lock, complete as shown	\$4.05 4.05
483–1 484–1	Plunger Lock Stand	3.68
1096-2 1096-3	Roller	1.10
1096-4 1096-5	Pin for Roller with Cotter Pins Cotter Pins, per C	.11



BOLT LOCKS FOR PIPE AND WIRE CONNECTIONS



T-36

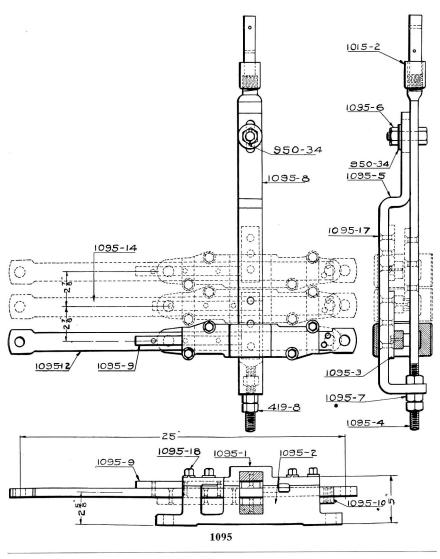


BOLT LOCKS FOR PIPE OR WIRE CONNECTIONS

Trade No.	DESCRIPTION	List Price
480-1	One Way Bolt Lock Pipe Operated, complete as shown	\$5.90
480-2	Same as above except Wire Operated	6.45
481-1	Two Way Bolt Lock Pipe Operated, complete as shown	9.50
481-2	Same as above except Wire Operated	10.60
482-1	Three Way Bolt Lock Pipe Operated, complete as shown	12.75
482-2	Same as above except Wire Operated	14.40
480-11	Base for One Way Bolt Lock. " "Two " " " "Three " "	2.75
481–11	" "Two " "	4.30
482-11	" "Three " "	5.50
480-12	Switch Bar with Coupling.	1.60
1015-2	1" x 2½" Coupling, Black.	.27
482–13	Signal Bar with Stop Pin for Pipe Operated Signal	1.54
482-14	Same as above except Left Hand Beveled	1.98
482-15	" " " Right "	1.98
482–16	Same as above except Left Hand Beveled	1.70
102 10	Wire Operated Signal	2.14
482-17	Same as above without Shackles, Jaw Pins and Cotters	1.76
482-18	Signal Bar with Stop Pin, Shackles, Jaw Pins and Cotters for	1.70
101 10	Wire Operated Signal, Left Hand Bevel	2.58
482-19	Same as above without Shackles, Jaw Pins or Cotter	2.20
482-20	Signal Bar with Stop Pin, Shackles, Jaw Pins and Cotters for	2.20
	Wire Operated Signals, Right Hand Bevel	2.58
482-21	Same as above except without Shackles, Jaw Pins and Cotters	2.20
703-26	Standard 7/8" Shackle with Pin and Cotter	.22
703-27	Shackle Only	.11
703-28	7/8" x 21/4" Square Head Jaw Pin with Cotter for Shackle	.11
950-32	34" x 4" Lag Screws, per C.	8.40
950-33	Cast Washer, 3/4", per C	9.50
950-34	Wrought Iron Washer 3/" each	.02
950-35	3/4" x 6" Square Head Machine Bolt and Nut, per C	15.40
950-36	34" x 6" Square Head Machine Bolt and Nut, per C 34" x 7" " " " " " " " " " " " " " " " " "	15.40
950-37	3/" x 7" " " " " " " " " " " " " " " " " "	17.60



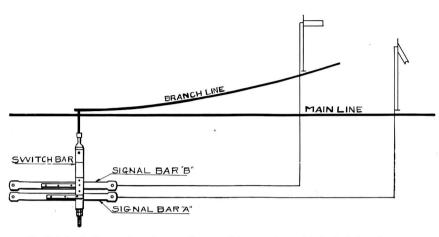
R. S. A. MULTIPLE UNIT BOLT LOCKS



T-38



R. S. A. MULTIPLE UNIT BOLT LOCKS

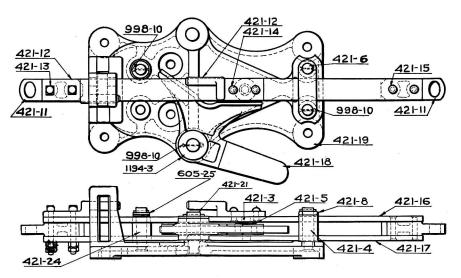


The Bolt Lock illustrated on the preceding page is in accordance with **R. S. A.** Drawing No. 1095, and is so arranged that any number of units may be mounted alongside of each other and spaced on 25% Centers. The Units can be so arranged that any number of Signal Bars are locked, until switch points are moved, or switch points cannot be moved until any number of Signal Bars have been operated or any combination of the two conditions is possible. Orders for Multiple Units should be accompanied with necessary information as to what each Unit is to accomplish.

Application above shows one of the most common conditions met with in practice; a Two Unit Multiple Bolt Lock is used, it will be seen that switch cannot be thrown until after the operation of Signal Bar "A" which operation puts the Distant Signal on main line in the Stop Position, the operation of switch locks it in that position until switch is again set for main line traffic. Signal Bar "B" operates signal on branch track, and can only be operated after switch is set for branch line traffic. Switch is then locked in that position until signal on branch line is returned to stop position.

Trade No.	DESCRIPTION	List Price
1095	R. S. A. One Way Multiple Unit Bolt Lock	
1095 - 16	Same as above except Two Way	
1095 - 15	" " " Three "	
1095 - 1	Lover for Bolt Lock Stand	
1095 - 2	Base " " "	
1095 - 3	Lock Rod Locking Dog	
1095 - 4	Tang End Bar for Lock Rod. Slotted " " " " Bolt complete with Washer, Cotter and Nut	
1095 - 5	Slotted " " " "	
1095-6	Bolt complete with Washer, Cotter and Nut	
1095 - 7	Sleeve for Lock Rod	
1095 - 8	Adjustable Lock Rod complete	
1095 - 9	Lock Dog for Signal Bars Stop Plate " " "	
1095 - 10	Stop Plate " "	
1095 - 11	End Signal Bar Only	
1095 - 12	" " complete with Lock Dog and Stop	
1095 - 13	Center Signal Bar Only	
1095 - 14	" complete with Lock Dog and Stop	
1095 - 17	1/4" x 11/2" Countersunk Head Iron Rivets	
1095 - 18	1/2" x 13/4" Hexagon Head Cap Screws	
419 - 8	34" Iron Hexagon Nut	
950 - 34	34" Standard Iron Washer	
1095 - 19	$\frac{3}{16}$ " x 1½" Cotter Pin	

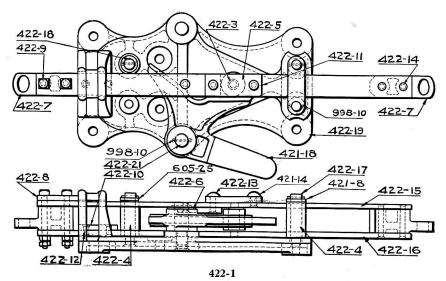




The Switch and Lock Movement illustrated above is substantially constructed, the Escapement Crank is undrilled, as the drilling depends on the stroke of the switch; this movement is used with a Drilled Lock Rod.

Trade No.	DESCRIPTION	List Price
421-1	Switch and Lock Movement complete as shown for 8½" Stroke	\$17.05
421-2	Same as above except for 12" Stroke	17.15
421-19	Base Only	6.10
421-6	Bearing Stud for Guide Roller	.26
421-4	Guide Roller	.30
421-8	Cap for Guide Rollers.	.13
998-10	1/4" x 2" Cotter Pin for Roller Studs, per C	.88
421-24	Stud for Side Thrust Guide Roller	.23
605-25	1" Standard Iron Washer	.02
421–16	Upper Slide Bar for 421–1 Movement	.89
421-19	Same as above except for 421–2 Movement	.96
421-17	Lower Slide Bar for 421-1 Movement	.89
421-20	Same as above except for 421–2 Movement	.96
421-11	Lug for Slide Bar	.36
421-12	Locking Plunger	.30
421–18	Escapement Crank	1.32
421-21	Pin for Escapement Crank	.30
1194-3	11/4" Standard Iron Washer for Escapement Crank Pin	.02
421-3	Operating Roller Pin	.18
421-5	" "	.40
421-15	1/2" x 2 1/4" C. S. Head Rivets for Lug to Sliding Bar	.02
421-14	½" x 1½" R. H. I. Rivets for Locking Plunger to Bar	.02
421–13	1/2" x 31/2" Square Head Machine Bolts with Two Hexagon	
121 10	Nuts for Locking Plunger and Lug to Sliding Bar	.08

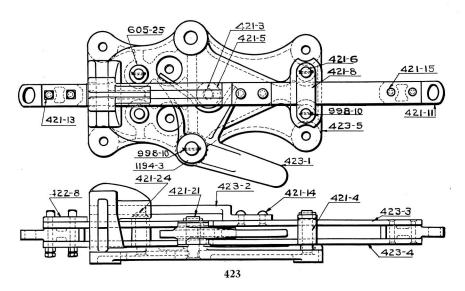




This style Switch and Lock Movement is identical with our No. 421 style, except that Notched Lock Rod is used in place of Slotted Rod.

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Trade No.	DESCRIPTION	List Price
422-1	Switch and Lock Movement complete as shown for 81/2" Stroke	\$18.65
422-2	Same as above except for 12" Stroke	18.80
422 - 19	Base Only	6.65
422-17	Stud for Guide Roller	.26
422-4	Guide Roller	.30
421-8	Cap for Guide Roller	.13
998–10	4" x 2" Cotter Pin for Guide Rollers, per C	.88
422-18	Stud for Side Thrust Guide Roller	. 23
605 - 25	1" Standard Iron Washer	.02
422-15	Upper Slide Bar for No. 422–1 Movement	. 79
422-19	Same as above except for No. 422–2 Movement	. 89
422–16	Lower Slide Bar for No. 422–1 Movement	. 79
422-20	Same as above except for No. 422–2 Movement	. 89
422-7	Lug for Slide Bar	. 36
422-6	Upper Locking Dog. Lower " "	. 33
422-10	Lower " "	. 26
422-11	Stop for Slide Bar. End Stop for Slide Bar.	.17
422-8	End Stop for Slide Bar	. 17
421–18	Escapement Crank	1.32
422-21	Pin for Escapement Crank	.30
422-3	Operating Roller Pin.	. 18
422-5	***************************************	.40
422–9	1/2" x 41/2" Square Head Machine Bolt with Two Hexagon	
100 10	Nuts for fastening Stop and Lug to Slide Bars	. 08
422–12	½" x 1½" C. S. H. Rivets for fastening Locking Dog to	
400 12	Slide Bar	.02
422–13	2 X 198 K. H. I. Rivet for fastening Upper Lock Dog and	0.5
421-14	Stop to Slide Bar.	.02
421-14	½" x 1½" R. H. I. Rivet for fastening Stop to Slide Bar ½" x 3½" C. S. H. " " Lug " " "	.02
422-14	½" x 3½" C. S. H. " " Lug " " "	. 02

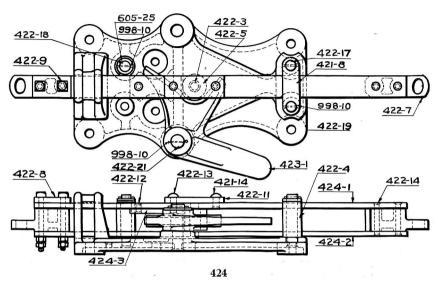




This design is practically the same as our No. 421 Type except that it is designed to be used to operate a derail and lock it in the closed position only, it is of the plunger type locking arranged for Drilled Lock Rod.

Trade No.	DESCRIPTION	List Price
423	Switch and Lock Movement complete as shown for 81/2"Stroke	\$20.30
423-5	Base Only	7.97
421-6	Base OnlyBearing Stud for Guide Roller	. 26
421-4	Guide Roller	.30
421-8	Cap for Guide Rollers	.13
998-10	1/4" x 2" Cotter Pins for Roller Studs, per C	. 88
421-24	Stud for Side Thrust Roller	. 23
605-25	1" Standard Iron Washer	.02
423-3	Upper Slide Bar	.96
423-4	Lower " "	.96
421-11	Lug for Slide Bars	.36
423-2	Locking Plunger	. 79
422-8	End Stop for Slide Bars	. 17
423-1	Escapement Crank	1.32
421-21	Pin for Escapement Crank	.30
1194-3	11/4" Standard Iron Washer	.02
421-3	Operating Roller-Pin	.18
421-5	- 46	. 40
421-15	1/2" x 2 1/4" C. S. H. Rivets for fastening Lug to Slide Bar	.02
421-14	1/2" x 1 1/8" R. H. I. Rivet for fastening Locking Plunger to	
121 11	Slide Bar	.02
421-13	1/2" x 31/2" Square Head Machine Bolts with Two Hexagon	
121 10	Nuts for fastening Lug and Stop to Slide Bar	. 08

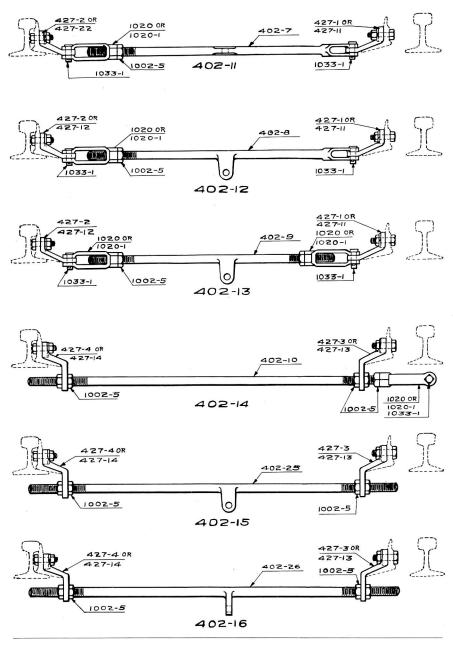




This is a duplicate of our No. 423 Type Movement, except that this Movement is arranged to be used with a Notched Lock Rod.

Trade No.	DESCRIPTION	List Price
424	Switch and Lock Movement complete as shown, 8½" Stroke	\$19.95
422 - 19	Base Only	6.65
422 - 17	Stud for Guide Roller	. 26
422 - 4	Guide Roller	.30
421 - 8	Cap for Guide Roller	.13
998-10	1/4" x 2" Cotter Pins for Roller Studs, per C	.88
422 - 18	Stud for Side Thrust Roller	. 23
605 - 25	1" Standard Iron Washer	.02
424 - 1	Upper Slide Bar Lower " "	.96
424 - 2	Lower " "	.96
422 - 7	Lug for Slide Bars	.36
424 - 3	Lock Dog	.33
422 - 11	Stop for Slide Bar	.17
422 - 8	End Stop for Slide Bar	.17
423 - 1	Escapement Crank	1.32
422 - 21	Pin for Escapement Crank	.30
422 - 3	Operating Roller Pin	.18
422-5		.40
422 - 9	½" x 4½" Square Head Machine Bolts with Two Hexagon	
	Nuts for fastening Lug and Stop to Slide Bars	. 08
422 - 12	½" x 1½" C. S. H. Iron Rivets for fastening Lock Dog to	
	Slide Bar	.02
422 - 13	1/2" x 15/8" R. H. I. Rivets for fastening Lock Dog to Slide Bar	.02
421 - 14	½" x 1½" R. H. I. Rivet for fastening Stop to Slide Bar	.02
422 - 14	1/2" x 3 1/8" C. S. H. Iron Rivets for fastening Lug to Slide	
	Bar	.02





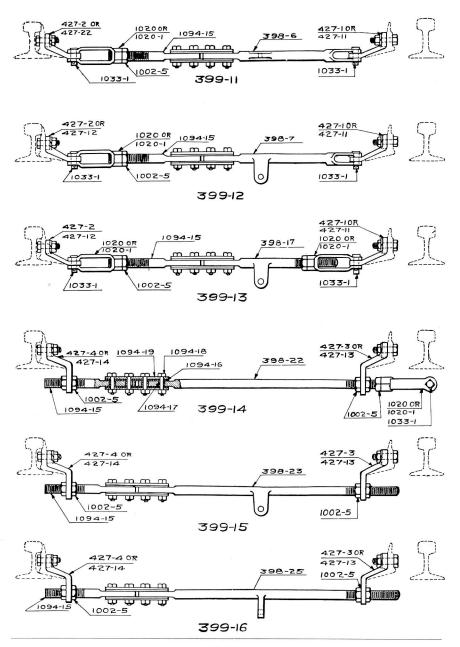
T-44



Trade No.	DESCRIPTION	List Price
402-11	Front Rod with Lateral Lug complete as shown with Forged Screw Jaw and Switch Point Lugs	\$7.90
402–31	Same as above except with Malleable Screw Jaw and Switch Point Lugs.	7.58
402-1	Point Lugs	5.00
402-21	Point Lugs. Same as above with Malleable Screw Jaw but without Switch	4.68
402-12	Point Lugs Front Rod with Vertical Lug complete as shown with Forged Screw Jaw and Switch Point Lugs	7.90
402-32	Screw Jaw and Switch Point LugsSame as above except with Malleable Screw Jaw and Switch	7.58
402-2	Point Lugs Same as above with Forged Screw Jaw but without Switch	5.00
402-22	Point Lugs	4.68
402-13	Point Lugs Front Rod with Lug complete as shown with forged Screw Law and Switch Point Lugs	8.39
402-33	Jaw and Switch Point LugsSame as above except with Malleable Screw Jaw and Switch	7.75
402-3	Point Lugs	5.49
402-23	Point Lugs	4.85
402-14	Point Lugs Front Rod complete as shown with Forged Screw Jaw and Switch Point Lugs	14.34
402-34	Switch Point Lugs	14.02
402 - 4	Point LugsSame as above with Forged Screw Jaw but without Switch	4.18
402 - 24	Point Lugs. Same as above except with Malleable Screw Jaw but without	3.86
402-15	Switch Point Lugs	14.38
402-5 $402-16$	Point LugsSame as above except without Switch Point LugsFront Rod with Vertical Lug complete as shown with Switch	4.22
402-6 402-7 402-8	Point Lugs. Same as above except without Switch Point Lugs. Front Rod with Lateral Lug and Solid Jaw. "" Vertical """ Threaded Rod with Lug.	17.09 6.93 3.74 3.74
402-9 402-10	Threaded Rod with Lug. "Only	3.19
402-25 402-26	" " with Lug for Jaw	3.50 6.21
1033-1 704-14	R. S. A. Jaw Pin 1/8" x 2 1/4" with Cotter	.11
1020	R. S. A. Screw Jaw Forging	.86
1020–1 1002–5	Screw Jaw, Malleable Iron 1¼" Hexagon Nut, 34" thick	.18
427-1 $427-2$ $427-11$	Right Hand Switch Point Lug with Bolts	1.43 1.43
427-3	Switch Points Right Hand Switch Point Lug with Bolts	1.47 5.06
427-4 427-13	Same as above except Left Hand	5.06
427-14	Switch Points	5.10 5.10
427–12	Left Hand Switch Point Lug with Bolts for Reinforced Switch Points.	1.47



(Insulated)



T-46

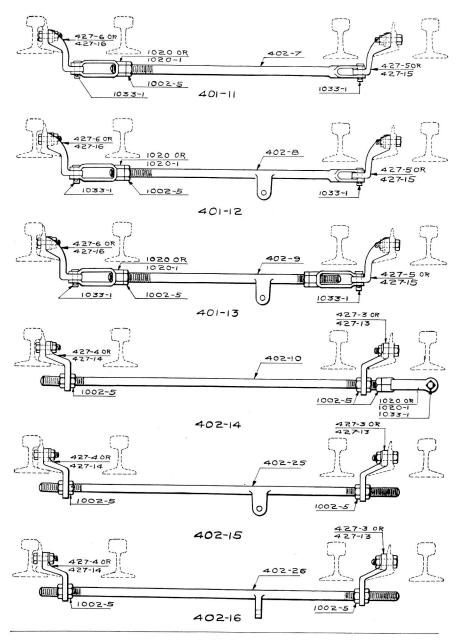


(Insulated)

Trade No.	DESCRIPTION	List Price
399–11	Insulated Front Rod with Lateral Lug complete as shown with Forged Screw Jaw and Switch Point Lugs	\$10.64
399–31 399–1	Same as above except with Malleable Screw Jaw	10.32
399-21	Point Lugs Same as above with Malleable Screw Jaw but without Switch	7.74
399-12	Point Lugs Insulated Front Rod with Vertical Lug complete as shown with Forged Screw Jaw and Switch Point Lugs	7.42 10.64
399–32 399–2	Same as above except with Malleable Screw Jaw " " with Forged Screw Jaw but without Switch	10.32
399-22	Point Lugs. Same as above with Malleable Screw Jaw but without Switch	7.74
399-13	Point Lugs	10.10
399–33 399–3	Same as above except with Malleable Screw Jaws	9.46
399-23	Point Lugs. Same as above except with Malleable Screw Jaws but without	7.20 6.56
399-14	Switch Point Lugs	16.21
399–34 399 –4	Same as above except with Malleable Screw Jaw " " with Forged Screw Jaw but without Switch	15.89
399-24	Point Lugs Same as above except with Malleable Screw Jaw but without	6.05 5.73
399–15	Switch Point Lugs	15.51
399–5 399–16	Insulated Front Rod with Vertical Lug complete as shown	5.35
399-6 398-6	with Switch Point Lugs	8.06 3.60
398–7 398–17	Half Rod with Lateral Lug and Solid Jaw	3.60 2.02
398-22 398-23	" " with Vertical Lug for Jaw	1.30 1.75 4.46
398–25 1094–15 1094–19	" Rod	1.12
1094–16 1094–17	Fibre "Fibre Bushing, per C. 56" x 2½" Square Head Machine Bolt and Nut.	. 18 5 . 40
1094–18 1033–1 704–14	R. S. A. Jaw Pin, 78" x 2½" with Cotter 36" x 1½" Cotter Pins, per C.	.11 .11 .90
1020 1020–1	R. S. A. Screw Jaw Forging	.86 .54
1002-5 $427-1$	11/4" Hexagon Nut, 3/4" thick	1.43 1.43
427-2 $427-11$ $427-12$	Same as above except Left Hand. R.H. Switch Point Lug with Bolts for Reinforced Switch Point Same as above except Left Hand. Right Hand Switch Point Lug with Bolts.	1.43 1.47 1.47
427 - 3 $427 - 4$	Same as above except Left Hand	5.06 5.06
427-13 $427-14$	R.H. Switch Point Lug with Bolts for Reinforced Switch Point Same as above except Left Hand	5.10 5.10



FRONT RODS FOR MOVABLE POINT FROGS



T-48



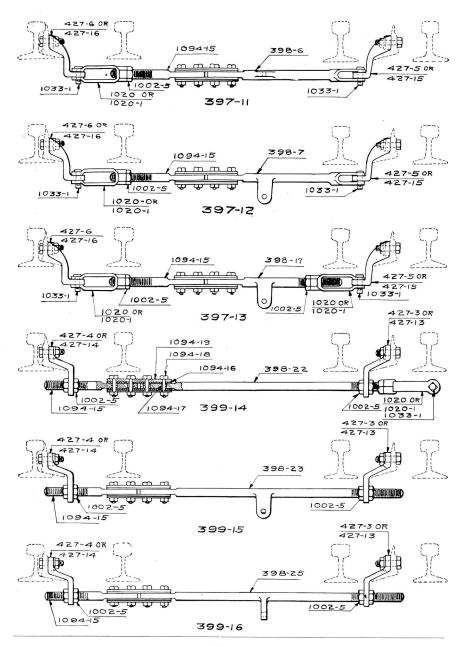
FRONT RODS FOR MOVABLE POINT FROGS

Trade No.	DESCRIPTION	List Price
401-11	Front Rod with Lateral Lug complete as shown with Forged	
401–31	Screw Jaw and Switch Point LugsSame as above except with Malleable Screw Jaw and Switch	\$10.40
402-1	Point LugsSame as above with Forged Screw Jaw but without Switch	10.08
402-21	Point LugsSame as above with Malleable Screw Jaw but without Switch	5.00
401-12	Point LugsFront Rod with Vertical Lug complete as shown with Forged	4.68
401-32	Screw Jaw and Switch Point Lugs	10.40
402-2	Point Lugs Same as above with Forged Screw Jaw but without Switch	10.08
402-22	Point Lugs Same as above with Malleable Screw Jaw but without Switch	5.00
401–13	Point Lugs Front Rod with Lug complete as shown with Forged Screw	4.68
401–33	Jaws and Switch Point LugsSame as above except with Malleable Screw Jaws and Switch	10.89
402-3	Point Lugs	10.25
402-23	Point Lugs	5.49
402-14	Point Lugs	5.17
402-34	Switch Point Lugs	14.34
402-4	Point Lugs	14.02
402-24	Point Lugs	4.18
402-24	Point Lugs	3.86
402-13	Point Lugs. Same as above except without Switch Point Lugs.	14.38 4.22
402-3	Front Rod with Vertical Lugs complete as shown with Switch	17.09
402-6	Point LugsSame as above except without Switch Point Lugs	6.93 3.74
402-7 402-8	Front Rod with Lateral Lug and Solid Jaws	3.74
402–9 402–10	Threaded Rod with Lug	2.31
402-25 $402-26$	" " " Rod	3.50 6.21
$1033-1 \\ 704-14$	R. S. A. Jaw Pin, 7/8" x 21/4" with Cotter Pin	.11
1020 1020–1	R. S. A. Screw Jaw Forged	.86
$1002-5 \\ 427-5$	Screw Jaw, Malleable Iron 1¼" Hexagon Nuts, ¾" thick Right Hand Switch Point Lug with Bolts	.18 2.70
427-6 $427-15$	Same as above except Left Hand	2.70
427–16	Same as above except Left Hand	2.74 2.74
$\begin{array}{c} 427 - 3 \\ 427 - 4 \end{array}$	Right Hand Switch Point Lug with Bolts	5.06 5.06
427-13	Right Hand Switch Point Lug with Bolts for Reinforced	5.10
427-14	Same as above except Left Hand	5.10



FRONT RODS FOR MOVABLE POINT FROGS

(Insulated)



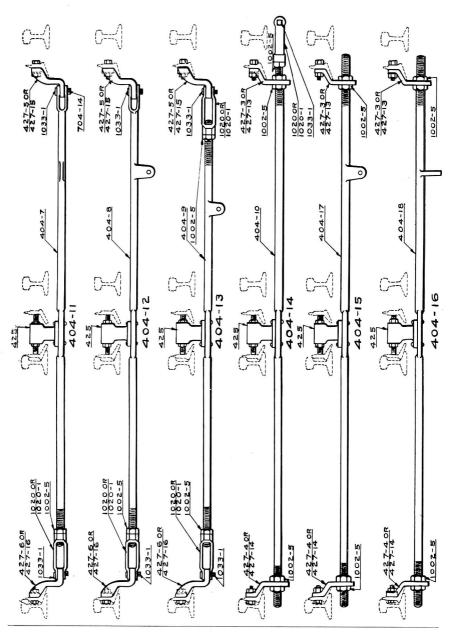


$FRONT\ RODS\ FOR\ MOVABLE\ POINT\ FROGS\ (Insulated)$

Trade No.	DESCRIPTION	List Price
397–11 397–31	Insulated Front Rod with Lateral Lug complete as shown with Forged Screw Jaw and Switch Point Lugs	\$13.14 12.82
399–1	" " with Forged Screw Jaw but without Switch	7.74
399–21	Point LugsSame as above with Malleable Screw Jaw without Switch Point Lugs	7.42
397–12	Insulated Front Rod with Vertical Lug complete as shown with Forged Screw Jaw and Switch Point Lugs	13.14
397–32 399–2	Same as above except with Malleable Screw Jaw Same as above with Forged Screw Jaw but without Switch	12.82 7.74
399–22	Point Lugs	7.42
397–13	Insulated Front Rod with Lug complete as shown with Forged Screw Jaw and Switch Point Lugs	12.60
397–33 399–3	Same as above except with Malleable Screw Jaw	11.96 7.20
399–23	Point Lugs. Same as above with Malleable Screw Jaw but without Switch	6.56
399-14	Point Lugs. Insulated Front Rod complete as shown with Forged Screw Jaw and Switch Point Lugs.	16.21
399–34 399–4	Same as above except with Malleable Screw Jaw	15.89
399-24	Switch Point Lugs	5.73
399-15	Point Lugs	15.51
399–5 399–16	Same as above except without Switch Point Lugs Insulated Switch Rod with Vertical Lug complete as shown with Switch Point Lugs	5.35 18.22
399–6 398–6	Same as above without Switch Point Lugs. Half Rod with Lateral Lug and Solid Jaw	8.06 3.60 3.60
398–7 398–17 398–22	Threaded Half Rod with Lug	2.02 1.30
398-23 398-25	" " with Vertical Lug for Jaw	1.75 4.46
1094–15 1094–19 1094–16	" Rod	1.12 .36 .18
1094–10 1094–17 1094–18	Fibre "Bushing, per C. 58" x 2½" Square Head Machine Bolts and Nuts.	5.40
$1033-1 \\ 704-14$	R. S. A. Jaw Pin, 78" x 21/4" with Cotter	.11
1020 1020–1	R. S. A. Screw Jaw Forging	. 86 . 54 . 18
1002-5 $427-5$ $427-6$	1¼" Hexagon Nut, ¾" thick	2.70 2.70
427–15	Right Hand Switch Point Lug with Bolts for Reinforced Switch Points. Same as above except Left Hand	2.74
427-16 $427-3$	Right Hand Switch Point Lug with Bolts	2.74 5.06 5.06
427-4 $427-13$	Same as above except Left Hand	5.10
427-14	Same as above except Left Hand	5.10



FRONT RODS FOR DOUBLE SLIP SWITCHES FOR ONE LOCK ROD





FRONT RODS FOR DOUBLE SLIP SWITCHES FOR ONE LOCK ROD

Trade No.	DESCRIPTION	List Price
404-11	Front Rod with Lateral Lug complete as shown with Forged	
101 11	Screw Jaw. Switch Point Lugs and Point Separator	\$16.84
404-31	Same as above except with Malleable Screw Jaw	16.52
404-1	" " with Forged Screw Jaw but without Switch	0.60
	Point Lugs or Point SeparatorSame as above with Malleable Screw Jaw but without Switch	8.69
404-21	Same as above with Malleable Screw Jaw but without Switch	8.37
404-12	Point Lugs or Point SeparatorFront Rod with Vertical Lug complete as shown with Forged	0.57
404-12	Screw Jaw, Switch Point Lugs and Point Separator	16.84
404-32	Same as above except with Malleable Screw Jaw	16.52
404-2	" " with Forged Screw Jaw but without Switch	
	Point Lugs or Point Separator	8.69
404-22	Same as above with Malleable Screw Jaw but without Switch	0.25
	Point Lugs or Point Separator.	8.37
404 - 13	Front Rod with Vertical Lug complete as shown with Forged	16,30
404-33	Screw Jaws, Switch Point Lugs and Point Separator Same as above except with Malleable Screw Jaws	15.66
404-33	" " with Forged Screw Jaws but without Switch	13.00
404-3	Point Lugs or Point Separator	8.15
404-23	Point Lugs or Point SeparatorSame as above with Malleable Screw Jaws but without Switch	
	Point Lugs or Point SeparatorFront Rod complete as shown with Forged Screw Jaw, Switch	7.51
404-14	Front Rod complete as shown with Forged Screw Jaw, Switch	
	Point Lugs and Point Separator	20.47
404-34	Same as above except with Malleable Screw Jaw	20.15
404-4	with Forged Screw Jaw but without Switch	7.56
404-24	Point Lugs or Point SeparatorSame as above with Malleable Screw Jaw but without Switch	7.30
404-24	Point Lugs or Point Separator	7.24
404-15	Point Lugs or Point SeparatorFront Rod with Vertical Lug complete as shown with Switch	
	Point Lugs and Point Separator	19.77
404-5	Same as above except without Switch Point Lugs and Point	
	_ Separator	6.86
404-16	Front Rod with Vertical Lug complete as shown with Switch	22.48
101 6	Point Lugs and Point SeparatorSame as above except without Switch Point Lugs or Point	22.40
404 - 6	Separator	9.57
404-7	Separator Rod with Lateral Lug and Solid Jaw " " Vertical " " " " " " " " " " " " " " " " " " "	7.43
404-8	" Vertical " " "	7.43
404-9	I breaded Rod with Vertical Lug 10f Jaw	5.85
404 - 10	" "Only" " with Vertical Lug for Jaw" " " " " Rod	5.69
404-17	" with Vertical Lug for Jaw	6.14
404-18	D C A I am Dim 7/11 or 21/11 with Cotton	8.85
1033–1 704–14	R. S. A. Jaw Pin, 78" x 2½" with Cotter	.90
1020	R. S. A. Screw Jaw Forging	.86
1020-1	Screw Jaw, Malleable Iron	.54
1002-5	Screw Jaw, Malleable Iron 11/4" Hexagon Nut, 3/4" thick.	.18
427 - 5	Right Hand Switch Point Lug with Bolts	2.70
427-6	Same as above except Left Hand	2.70
427 - 15	Right Hand Switch Point Lug with Boits for Reinforced	2.74
427-16	Switch Points. Same as above except Left Hand. Right Hand Switch Point Lug with Bolts.	2.74
427-10	Right Hand Switch Point Lug with Bolts.	5.06
427-4	Same as above except Left Hand	5.06
427-13	R. H. Switch Point Lug with Bolts for Reinforced Switch Point	5.10
427 - 14	Sama as above except Left Hand	5.10
425	Point Separator complete with Bolts for fastening Malleable	2 75
105 1	Bracket	2.75
425-1	Same as above except Forged Dracket	3.30



FRONT RODS FOR DOUBLE SLIP SWITCHES FOR ONE LOCK ROD

(Insulated) 427-50R 427-50R 427-15 1033-1 427-30R 427-30R 427-50 25 10200R 00 002-8 ľλ 002-5 1020-1 1020-1 1033-1 427-5 033-1 98-002 0 0 398-23 398-22 398-7 AAAA 398-17 405-17 338-6 405-17 405-17 គាគាគាគា **⊕** 405-15 425 405-14 425 425 405-16 425 405-12 05-13 405-4 094-17 10200R 1020-1 1002-5 1094-15 405-17 1020 OR 1020-1 405-17 1094-19 405-17 **₽ ₽ ₽** 094-15 094-18 ልሐሐ 094-16 # # # # 8 8 8 427-40R 427-14 1002-5 447-60R 427-60R 427-60R 427-40R 427-40R 405-18 405-18 094-15 405-18 D 002-5 002-5 -886 033-1 033-1



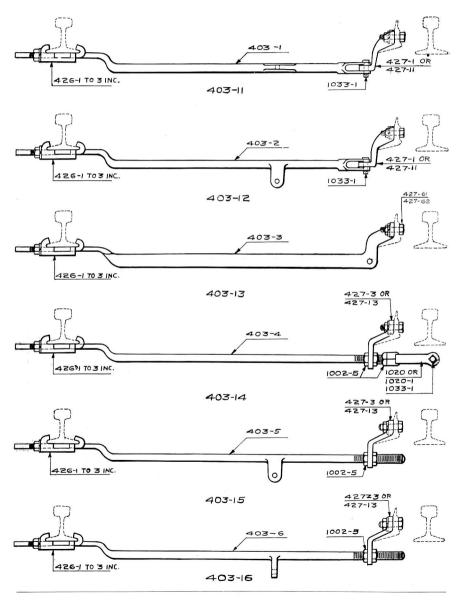
FRONT RODS FOR DOUBLE SLIP SWITCHES FOR ONE LOCK ROD

(Insulated)

Trade No.	DESCRIPTION	List Price
405-11	Front Rod with Lateral Lug complete as shown with Forged Screw Jaw, Switch Point Lugs and Point Separator	\$19.65
405-31 $405-1$	Switch Point Lugs and Point Separator Same as above except with Malleable Screw Jaw " " with Forged Screw Jaw but without Switch Point Lugs or	19.33 11.50
405-21	Point Separator. Same as above with Malleable Screw Jaw but without Switch Point Lugs or Point Separator. Front Rod with Vertical Lug complete as shown with Forged Screw Jaw,	11.18
405-12	Front Rod with Vertical Lug complete as shown with Forged Screw Jaw, Switch Point Lugs and Point Separators	19.65 19.33
405-32 $405-2$	Switch Point Lugs and Point Separators. Same as above except with Malleable Screw Jaw. "" with Forged Screw Jaw but without Switch Point Lugs or Point Separator.	11.50
402-22	Point Separator. Same as above with Malleable Screw Jaw but without Switch Point Lugs or Point Separator.	11.18
405-13 405-33	Front Rod with Vertical Lug complete as shown with Forged Screw Jaws, Switch Point Lugs and Point Separator Same as above except with Malleable Screw Jaws "" with Forged Screw Jaws but without Switch Point Lugs or	19.11 18.47
405-3	" "with Forged Screw Jaws but without Switch Point Lugs or Point Separator . Same as above with Malleable Screw Jaws but without Switch Point Lugs or Point Separator	10.96
405-23 405-14	Same as above with Malleable Screw Jaws but without Switch Point Lugs or Point Separator. Front Red complete as shown with Forged Screw Jaws Switch Point Lugs	10.32
405-34	Point Separator. Front Rod complete as shown with Forged Screw Jaws, Switch Point Lugs and Point Separator. Same as above with Malleable Screw Jaw. "" with Forged Screw Jaw. "" but Forged Screw Jaw. "" but Forged Screw Jaw.	22.85 22.53
405-4 405-24	" " with Forged Screw Jaw but without Switch Point Lugs or Point Separator	9.94
405-15	Point Separator	9.62
405-5 405-16	Point Separator. Same as above except without Switch Point Lugs or Point Separator Front Rod with Vertical Lug complete as shown with Switch Point Lugs	22.15 9.24
405-6 398-6	and Point Separator.	24.86 11.95 3.60
398-7 398-17	Half Rod with Lateral Lug and Solid Jaw. "Vertical" Threaded Half Rod with Lug.	3.60 2.02
398-22 398-23 398-25	Threaded Half Rod with Lug for Jaw. Rod Rod	1.30 1.75 4.46
405-18 1094-15		1.25
405-17 1094-19	Center Rod. Splice Plate	2.00 .36 .18
1094–16 1094–17 1094–18	Splice Plate. Fibre "Bushing, per C. %" x 2½" Square Head Machine Bolt and Nut. R. S. A. Jaw Pin, ½" x 2½" with Cotter ¾" x 1½" Cotter Pin for above, per C. R. S. A. Screw Jaw Forging.	5.40 .11
1033-1 704-14	R. S. A. Jaw Pin, 1/8" x 21/4" with Cotter 38" x 11/2" Cotter Pin for above, per C.	.11 .90 .86
1020 1020-1 1002-5		.54
427-5 427-6	Screw Jaw, Malicanic Holi. 14" Hexagon Nut, 3" thick Right Hand Switch Point Lug with Bolts Same as above except Left Hand R. H. Switch Point Lug with Bolts for Reinforced Switch Point.	2.70 2.70
427-15 427-16 427-3	Same as above except Left Hand.	2.74 2.74 5.06
427-4 $427-13$	Right Haid Switch Folk Log with Botts Same as above except Left Hand Right Hand Switch Point Lug with Bolts for Reinforced Switch Points. Same as above except Left Hand. Point Separator complete with Bolts for fastening, Malleable Bracket	5.06 5.10
427-14 425 425-1	Same as above except Lett Hand. Point Separator complete with Bolts for fastening, Malleable Bracket Same as above except with Forged Bracket	5.10 2.75 3.50



FRONT RODS FOR DERAIL



T-56



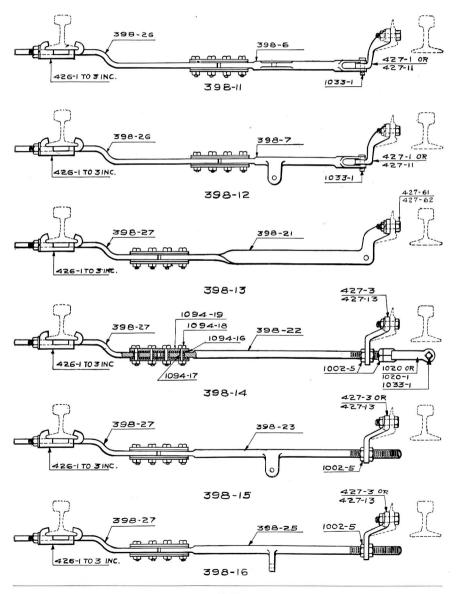
FRONT RODS FOR DERAIL

Trade No.	DESCRIPTION	List Price
403-11	Front Rod for Derail with Lateral Lug complete with Switch	
	Point Lug and GuideSame as above except without Switch Point Lug and Guide	\$6.66
403-1 403-12	Same as above except without Switch Point Lug and Guide.	4.36
403-12	Front Rod for Derail with Vertical Lug complete with	6.66
403-2	Switch Point Lug and GuideSame as above except without Switch Point Lug and Guide	4.36
403-13	Front Rod for Derail complete as shown with Guide	15.34
403-3	Same as above without Guide or Bolts	14.19
403-14	Adjustable Front Rod for Derail complete as shown with	10.60
102 21	Forged Screw Jaw, Switch Point Lug and Guide	10.60 10.28
403-24 403-4	Same as above except with Malleable Screw Jaw	10.20
403-4	Lug or Guide	3.34
403-15	Adjustable Front Rod for Derail with Vertical Lug complete	
	as shown with Switch Point Lug and Guide	9.28
403-5	Same as above except without Nuts, Switch Point Lug or Guide	2.99
403-16	Adjustable Front Rod for Derail with Vertical Lug complete	11 00
1033-1	as shown with Switch Point Lug and Guide	11.99
704–14	$\frac{3}{12}$ " x $1\frac{1}{2}$ " Cotter Pins, per C	.90
1020	R. S. A. Screw Jaw Forging	.86
1020-1	Screw Jaw, Malleable Iron	. 54
1002-5	11/4" Hexagon Nut, 3/4" thick	.18
427-1	Right Hand Switch Point Lug with Bolts	1.43
427-2 $427-11$	Same as above except Left HandRight Hand Switch Point Lug with Bolts for Reinforced	1.43
427-11	Switch Point	1.47
427 - 12	Same as above except Left Hand	1.47
427 - 3	Right Hand Switch Point Lug with Bolts	5.06
427-4	Same as above except Left Hand	5.06
427 - 13	Right Hand Switch Point Lug with Bolts for Reinforced Switch Points	5.10
427-14	Same as above except Left Hand	5.10
426-1	Guide for Derail Rod with Hook Bolts for 60 lb., 65 lb. and	5.10
	70 lb. A. S. C. E. and 90 lb. Type "B" A. R. A. Rail	.85
426-2	Same as above except with Hook Bolts for 75 lb., 80 lb. and	
	85 lb. A. S. C. E. 90 lb. Type "A" and 100 lb. Type "B"	0.5
426-3	A. R. A. Rail	.85
420-3	100 lb. A. S. C. E. and 100 lb. Type "A" A. R. A. Rail	. 85
427-61	3/4" x 2½" Square Head Machine Bolt and Nut with Cotter	
	and Lock Washer	.14
427 - 62	3/4" x 3 1/2" Square Head Machine Bolt and Nut with Cotter	
102 6	and Lock Washer.	.16
403-6	Adjustable Front Rod for Derail with Vertical Lug complete as shown without Switch Point Lug or Guide	5.70
	as shown without switch I out Lug of Guide	3.70



FRONT RODS FOR DERAILS

(Insulated)



T-58



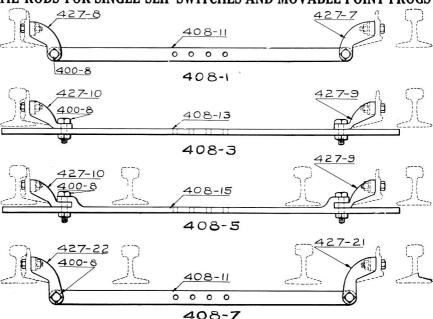
FRONT RODS FOR DERAIL

(Insulated)

Trade No.	DESCRIPTION	List Price
398-11	Insulated Front Rod for Derail with Lateral Lug complete as	
	shown with Switch Point Lug and Guide	\$8.87
398-1	Same as above except without Switch Point Lug or Guide	6.57
398-12	Insulated Front Rod for Derail with Vertical Lug complete as	
	shown with Switch Point Lug and Guide	8.87
398-2	Same as above except without Switch Point Lug or Guide	6.57
398-13	Insulated Front Rod for Derail complete as shown without	0.07
	Guide	17.81
398-3	Same as above except without Guide or Bolts	16.66
398-14	Adjustable Insulated Front Rod for Derail complete as shown	
	with Forged Screw Jaw, Switch Point Lug and Guide	11.40
398-24	Same as above except with Malleable Screw Jaw	11.08
398 - 4	" " without Screw Jaw, Nuts, Switch Point	
	Lug or Guide	3.96
398-15	Adjustable Insulated Front Rod for Derail with Vertical Lug	
5000 000 000 000	complete as shown with Switch Point Lug and Guide	10.70
398-5	Same as above except without Nuts, Switch Point Lug or Guide	4.41
398-16	Adjustable Insulated Front Rod for Derail with Vertical Lug	
	complete as shown with Switch Point Lug and Guide	13.41
398-10	Same as above except without Nuts Switch Point Lug or Guide	7.12
398-6	Half Rod with Lateral Lug	3.60
398-7	" " Vertical "	3.60
398-21	Half Rod with Lateral Lug. " " Vertical " Combination Half Rod and Switch Point.	14.00
398-22	I breaded Half Kod	1.30
398-23	" " with Vertical Lug for Jaw	1.75
398-25	" " Rod	4.46
398-26	Half Rod Flat Stub End.	1.10
398-27	" " " " "	.90
1094-19	Splice Plate	.36
1094-16	Fibre "	.18
1094-17	"Bushing, per C	5.40
1094-18	5%" x 2½" Square Head Machine Bolts and Nuts	.11
1033-1	R. S. A. Jaw Pin, 7/8" x 2 1/4" with Cotter	.11
704-14	"Bushing, per C. 58" x 2½" Square Head Machine Bolts and Nuts. R. S. A. Jaw Pin, 78" x 2½" with Cotter. 35" x 1½" Cotter Pins, per C.	.90
1020	R. S. A. Screw Jaw Forging	.86
1020-1	Screw Jaw, Malleable Iron	.54
1002-5	1¼" Hexagon Nut, ¾" thick Right Hand Switch Point Lug with Bolts	.18
427-1	Right Hand Switch Point Lug with Bolts	1.43
427-2	Same as above except Left Hand. Right Hand Switch Point Lug with Bolts for Reinforced Points	1.43
427-11	Right Hand Switch Point Lug with Bolts for Reinforced Points	1.47
427-12 $427-3$	Same as above except Left HandRight Hand Switch Point Lug with Bolts	1.47
427-3	Right Hand Switch Point Lug with Boits	5.06
427-13	Same as above except Left HandRight Hand Switch Point Lug with Bolts for Reinforced	5.06
427-13	Switch Doints	F 10
427-14	Switch Points	5.10
427-14	Same as above except Left HandGuide for Derail Rod for 60 lb., 65 lb. and 70 lb. A. S. C. E.	5.10
140-1	Rail and 90 lb. Type "A" A. R. A. Rail	.85
426-2	Same as above except for 75 lb 80 lb 85 lb 4 S C E and	.03
120 2	90 lb. Type "A" and 100 lb. Type "B" A. R. A. Rail	.85
426-3	Same as above except for 75 lb., 80 lb., 85 lb. A. S. C. E. and 90 lb. Type "A" and 100 lb. Type "B" A. R. A. Rail	.03
1200	and 100 lb. Type "A" A. R. A. Rails.	.85



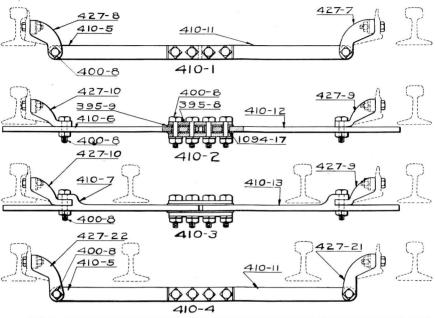
TIE RODS FOR SINGLE SLIP SWITCHES AND MOVABLE POINT FROGS



408-7		
Trade No.	DESCRIPTION	List Price
408-1	Tie Rod for Single Slip Switches complete as shown with Switch Point Lugs drilled for Switch Throw Rod Adjustment	\$8.50
408 - 2	Same as above except not drilled for Switch Throw Adjustment	8.35
408 - 11	Tie Rod Only drilled for Switch Adjustment	1.75
408 - 12	Same as above but not drilled for Adjustment.	1.60
408 - 3	Tie Rod for Slip Switch or Movable Point Frogs drilled for	
100 1	Switch Throw Rod Adjustment	7.60
408-4	Same as above except not drilled for Adjustment.	7.45
408-13	Tie Rod Only drilled for Switch Adjustment.	1.75
408-14 $408-5$	" " not drilled for Switch Adjustment " for Slip Switches or Movable Point Frogs complete	1.60
400-3	as shown with Switch Point Lugs drilled for Switch Throw	
	Rod Adjustment	8.50
408 - 6	Same as above except not drilled for Adjustment	8.35
408-15	Tie Rod Only drilled for Adjustment.	2.65
408-16	not diffied for Adjustifient	2.50
408 - 7	" " for Movable Point Frogs complete as shown with	
	Switch Point Lugs drilled for Switch Throw Rod Adjust-	
	ment	8.50
408-8	Same as above except not drilled for Adjustment	8.35
427 - 7	Right Hand Switch Point Lug with Bolts for fastening to	2 10
107 0	Switch Point and Bolt for Tie Rod	3.19
427 - 8 $427 - 9$	Same as above except Left Hand	3.19
427-9	Switch Points and Bolt for Tie Rod	2.75
427-10	Same as above except Left Hand	2.75
427-21	Right Hand Switch Point Lug with Bolts for fastening to	2.13
12. 21	Switch Point and Bolt for Tie Rod	3.19
427 - 22	Same as above except Left Hand	3.19
400-8	5/8" x 2½" Square Head Machine Bolt and Nut with Cotter	
	Pin and Lock Washer	.18



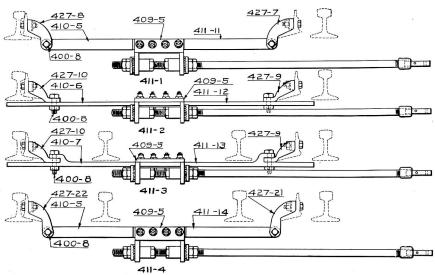
INSULATED TIE RODS FOR SINGLE SLIP AND MOVABLE POINT FROGS



	,,,,	
Trade No.	DESCRIPTION	List Price
410-1	Insulated Tie Rod for Single Slip Switches complete as shown	
	with Switch Point LugsSame as above except without Switch Point Lugs	\$10.70
410 - 11	Same as above except without Switch Point Lugs	4.32
410-2	Insulated Tie Rod for Slip Switches or Movable Point Frogs	
	complete as shown with Switch Point Lugs	9.82
410 - 12	Same as above except without Switch Point Lugs	4.32
410-3	R. S. A. Insulated Tie Rod for Slip Switches or Movable Point	
	Frogs complete as shown with Switch Point Lugs Same as above except without """	10.72
410 - 13	Same as above except without "_ " "	5.22
410-4	Insulated Tie Rod for Movable Point Frogs complete as shown	
	with Switch Point Lugs	10.70
410-5	Half Rod for 410–11	.90
410-6	" " 410–12	.90
410-7	" " 410–13	1.35
395-8	Splice Plate	.40
395-9	Fibre _ "	.20
1094–17	"Bushing, per C	5.40
400 - 8	5/8" x 31/2" Square Head Machine Bolt and Nut with Cotter	10
10	Pin and Lock Nut	.18
427 - 7	Right Hand Switch Point Lug with Bolts for fastening to	2 10
107 0	Switch Point and Bolt for Tie Rod	3.19
427-8	Same as above except Left Hand	3.19
427 - 9	Right Hand Switch Point Lug with Bolts for fastening to	2.75
107 10	Switch Point and Bolt for Tie Rod	
427-10	Same as above except Left Hand	2.75
427 - 21	Right Hand Switch Point Lug with Bolts for fastening to Switch Point and Bolt for Tie Rod	3.19
427-22		3.19
421-22	Same as above except Left Hand	3.19



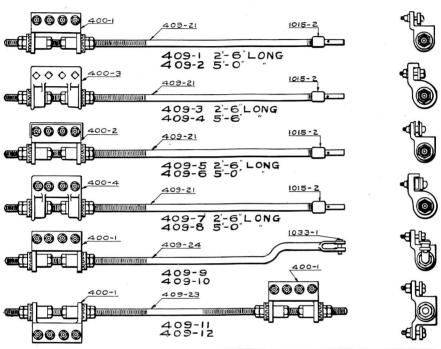
INSULATED TIE RODS WITH SWITCH THROW RODS



Trade No.	DESCRIPTION	List Price
411-1	Insulated Tie Rod complete as shown with Switch Point Lugs,	
	Forged Switch Adjustment and 5' Throw Rod	\$17.64
411-11	Same as above without Switch Point Lugs	11.26
411-2	Insulated Tie Rod complete as shown with Switch Point Lugs,	
	Forged Switch Adjustment and 5' Throw Rod	16.76
411-12	Same as above except without Switch Point Lugs	11.26
411-3	Insulated Tie Rod complete as shown with Switch Point Lugs,	
2	Forged Switch Adjustment and 5' Throw Rod	17.66
411-13	Same as above without Switch Point Lugs	12.16
411-4	Insulated Tie Rod complete as shown with Switch Point Lugs,	
	Forged Switch Adjustment and 5' Throw Rod	17.64
411-14	Same as above without Switch Point Lugs	11.26
5000000 50000	When Cast Switch Adjustments are wanted, deduct from above	
	prices	1.75
	When 2' 6" Throw Rod is required, deduct from above prices	.40
410-5	Half Rod for 411–1, 411–4, 411–11 and 411–14	.90
410-6	" " 411-2 and 411-12	.90
410-7	" " 411–3 " 411–13	1.35
409-5	Throw Rod, 2'6" long with Insulation and Forged Adjustment	9.10
409-6	Same as above except 5' longThrow Rod 2' 6" long with Insulation and Cast Adjustment	9.40
409-7	Throw Rod 2' 6" long with Insulation and Cast Adjustment	6.98
409-8	Same as above except 5' Throw Rod	7.39
427-7	Right Hand Switch Point Lug with Bolts for fastening to	
	Switch Point and Bolt for Tie Rod	3.19
427-8	Same as above except Left Hand	3.19
427-9	Right Hand Switch Point Lug with Bolts for fastening to	
	Switch Point and Bolt for Tie Rod	2.75
427 - 10	Same as above except Left Hand	2.75
427 - 21	Right Hand Switch Point Lug with Bolts for fastening to	
	Switch Point and Bolt for Tie Rod	3.19
427 - 22	Same as above except Left Hand	3.19
400 - 8	58" x 3½" Square Head Machine Bolt and Nut with Cotter	
	Pin and Lock Washer	. 18



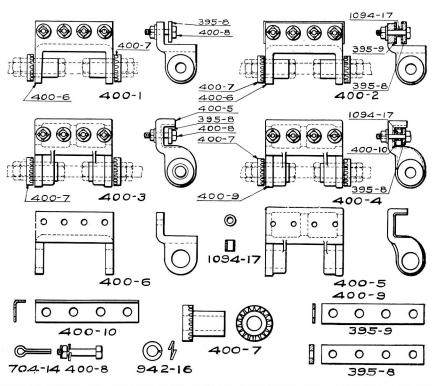
THROW RODS FOR SWITCHES



Trade No.	DESCRIPTION	List Price
409-1	Throw Rod 2' 6" long complete as shown with Forged Switch Adjustment	\$8.46
409-2	Same as above except Throw Rod 5' long.	8.76
409-3	Same as above except Throw Rod 5' long Throw Rod 2' 6" long complete as shown with Cast Switch Adjustment	6.54
409-4	Same as above except Throw Rod 5' long	6.84
409-5	Same as above except Throw Rod 5' long	
, .	Adjustment	9.10
409-6	Same as above except Throw Rod 5' long	9.40
409-7	Insulated Throw Rod 2' 6" long complete as shown with Cast Switch Adjust-	
	ment	6.98
409-8	Same as above except Throw Rod 5' long	7.39
409-9	Same as above except Throw Rod 5' long Solid Jaw End Switch Adjustment complete as shown with Forged Adjust-	
	ment	10.94
409-10	Same as above except with Cast Adjustment	9.02
409-11	Double Switch Adjustment complete as shown with Forged Adjustment	16.47
409 - 12	Same as above except with Cast Adjustment	12.63
409 - 21	Throw Rod 2' 6" long with Coupling	1.70
409 - 22	" 5' long with Coupling	2.00
409 - 23	1½" Threaded Rod for Double Switch Adjustment	2.95
409 - 24	11/4" " with Solid Jaw End and Jaw Pin for Double Switch	
	Adjustment	4.18
1002 - 5	Adjustment	. 18
1015-2	1" x 2½" Coupling	.27
1033 - 1	R. S. A. Jaw Pin, 1/8" x 2 1/4" with Cotter	.11
704 - 14	$\frac{1}{16}$ " x $1\frac{1}{2}$ " Cotter Pin for above, per C	.90
400-1	35" x 1½" Cotter Pin for above, per C. Forged Switch Adjustment, not Insulated.	5.68
400-2	Same as above except Insulated	6.32
400-3	Cast Switch Adjustment, not Insulated	3.76
400-4	Same as above except Insulated	4.50



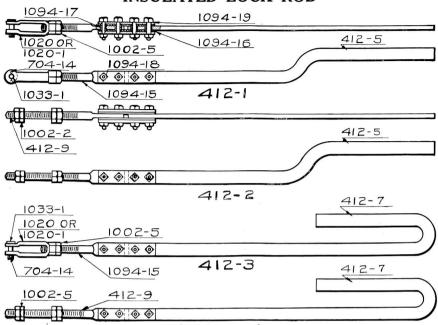
SWITCH AND DERAIL ADJUSTMENTS



Trade No.	DESCRIPTION	List Price
400-1	Switch and Derail Adjustment complete as shown (Forged	
	Bracket) no Nuts or Rod	\$5.68
400-2	Same as above except Insulated	6.32
400-3	Switch and Derail Adjustment complete as shown (Cast	
	Bracket) no Nuts or Rod	3.76
400-4	Same as above except Insulated	4.50
400-6	Forged Bracket Only	3.68
400-5	Cast Bracket for Non-Insulated Adjustment	1.76
400-9	" " Insulated Adjustment	1.76
400-7	Bushing for Bracket	.44
400-8	58" x 3½" Square Head Machine Bolt and Nut with Lock	
505400A 2001 9761	Washer and Cotter	.18
942-16	5/8" Lock Washer	.02
704-14	$\frac{3}{16}$ " x $1\frac{1}{2}$ " Cotter Pin, per C.	.90
395-8	Splice Plate for Insulated Adjustment	.40
395-9	Fibre " "Forged Bracket	.20
400-10	Fibre " " Forged Bracket	. 25
1094-17	" Bushing, per C	5.40
10,11,	Duoming, per O	3.40



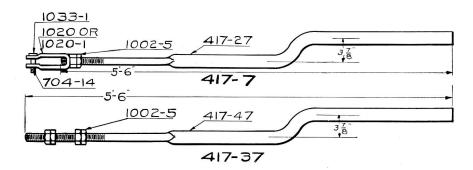
INSULATED LOCK ROD



412-4

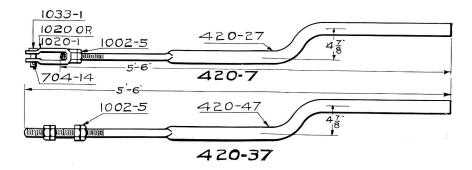
Trade No.	DESCRIPTION	List Price
412-1	Insulated Lock Rod complete as shown, 478" Offset with	
	Forged Screw JawSame as above except with Malleable Screw Jaw	\$5.38
412 - 11	Same as above except with Malleable Screw Jaw	5.06
412 - 21	" " with Forged Screw Jaw and 37/8" Offset	5.38
412 - 31	Maneable Screw Jaw and 3 /8 Onset	5.06
412-2	Insulated Lock Rod complete as shown, 47/8" Offset	5.08
412 - 22	Same as above except 3½" Offset	5.08
412 - 3	Insulated Lock Rod complete as shown, 47/8" Offset with	
	Forged Screw Jaw	6.35
412 - 13	Same as above except with Malleable Screw Jaw	6.03
412 - 23	" " with Forged Screw Jaw and 37/8" Offset	6.35
412 - 33	" " " Malleable Screw Jaw and 37/8" Offset	6.03
412 - 4	Insulated Lock Rod complete as shown, 478" Offset	6.05
412 - 14	Same as above except 37/8" Offset	6.05
412 - 5	Offset Rod 5' 6" long, 4'%" " " " 5' 6" 378" " Bent " 5' 6" " 478" " " " 5' 6" " 378" "	1.35
412 - 6	" 5' 6'' " 37/8'' "	1.35
412 - 7	Bent " 5' 6" " 47/8" "	2.32
412 - 8	" 5' 6'' " 37/8'' "	2.32
1094 - 15	Threaded Rod	1.12
412-9		1.25
1020	R. S. A. Screw Jaw Forging	.86
1020-1	Screw Jaw Malleable, Iron	. 54
1002-5	1 ¹ / ₄ " Hexagon Nut, ³ / ₄ " thick	.18
1033-1	R. S. A. Jaw Pin, 7/8" x 2 1/4" with Cotter	.11
704-14	$\frac{3}{16}$ " x $1\frac{1}{2}$ " Cotter Pin, per C	.90
1094-19	Splice Plate	.36
1094-16	Fibre "	.18
1094-17	Bushing, per C	5.40
1094-18	%" x 2½" Square Head Machine Bolt and Nut	.11





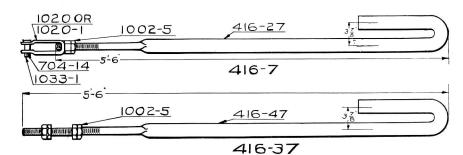
Lock Rod complete, 2' 6" long with Forged Screw Jaw, Nut and Jaw Pin. \$4,02	Trade No.	DESCRIPTION	List Price
17-11 Same as above except with Malleable Screw Jaw, Nut and Jaw Pin 2.87	417-1	Lock Rod complete, 2' 6" long with Forged Screw Jaw, Nut and Jaw Pin	\$4.02
417-21		Same as above except with Malleable Screw Jaw	
17-2		" " without Screw Jaw, Jaw Pins or Hexagon Nut	
Same as above except with Malleable Screw Jaw, Nut and Jaw Pin.		Lock Rod complete, 3' long with Forged Screw Jaw, Nut and Jaw Pin	
17-22		Same as above except with Malleable Screw Jaw	
417-3		" " without Screw Jaw, Jaw Pin or Hexagon Nut	
417-13 Same as above except with Malleable Screw Jaw, Nut and Jaw Pin. 1.5		Lock Rod complete, 3' 6" long with Forged Screw Jaw. Nut and Jaw Pin	
417-23		Same as above except with Malleable Screw Jaw	
Lock Rod complete, 4' long with Forged Screw Jaw, Nut and Jaw Pin. 4.47	417-23	" " without Screw Jaw, Jaw Pin or Hexagon Nut	
417-14 Same as above except with Malleable Screw Jaw, Jaw Pin or Hexagon Nut. 3.32 417-5 417-15 Lock Rod complete, 4' 6" long with Forged Screw Jaw, Nut and Jaw Pin. 4.62 417-25 Without Screw Jaw, Jaw Pin or Hexagon Nut. 3.47 417-6 Lock Rod complete, 5' long with Forged Screw Jaw, Nut and Jaw Pin. 4.77 417-16 Same as above except with Malleable Screw Jaw, Nut and Jaw Pin. 4.77 417-26 Same as above except with Malleable Screw Jaw, Nut and Jaw Pin. 4.77 417-27 Without Screw Jaw, Jaw Pin or Hexagon Nut. 3.62 417-27 Without Screw Jaw, Jaw Pin or Hexagon Nut. 4.92 417-27 Without Screw Jaw, Jaw Pin or Hexagon Nut. 3.77 417-27 Without Screw Jaw, Jaw Pin or Hexagon Nut. 3.77 417-31 Lock Rod Threaded with Four Hexagon Nuts complete, 2' 6" long. 3.37 417-41 Same as above without Hexagon Nuts. 2.65 417-32 Lock Rod Threaded complete with Four Hexagon Nuts, 3' long. 3.52 417-43 Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long. 3.67 417-34 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.82 417-35 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.82 417-36 Same as above without Hexagon Nuts. 2.95 417-37 Same as above without Hexagon Nuts. 3.10 417-38 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.82 417-36 Same as above without Hexagon Nuts. 3.97 5ame as above without Hexagon Nuts. 3.90 5ame as above without Hexagon Nuts. 3.97 5ame as abov		Lock Rod complete, 4' long with Forged Screw Jaw, Nut and Jaw Pin	
Lock Rod complete, 4' 6'' long with Forged Screw Jaw, Nut and Jaw Fin. 4.62	417-14	Same as above except with Malleable Screw Jaw	
Lock Rod complete, 4' 6'' long with Forged Screw Jaw, Nut and Jaw Fin. 4.62	417-24	" " without Screw Jaw, Jaw Pin or Hexagon Nut	
417-15	417-5	Lock Rod complete, 4' 6" long with Forged Screw Jaw, Nut and Jaw Pin.	
17-25	417-15	Same as above except with Malleable Screw Jaw.	
417-6	417-25	" " without Screw Jaw, Jaw Pin or Hexagon Nut	3.47
417-16	417-6	Lock Rod complete, 5' long with Forged Screw Jaw, Nut and Jaw Pin.	
417-26 " "without Screw Jaw, Jaw Pin or Hexagon Nut. 3.62 417-7 Lock Rod complete as shown 5' 6"long with Forged Screw Jaw, Nut and Jaw Pin. 4.92 417-17 Same as above except with Malleable Screw Jaw. 4.60 417-27 " "without Screw Jaw, Jaw Pin or Hexagon Nut. 3.77 417-31 Lock Rod Threaded with Four Hexagon Nuts complete, 2' 6" long. 3.37 417-41 Same as above without Hexagon Nuts complete, 2' 6" long. 3.52 417-32 Lock Rod Threaded complete with Four Hexagon Nuts, 3' long. 3.52 417-43 Same as above without Hexagon Nuts. 2.80 417-33 Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long. 3.67 417-43 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.82 417-34 Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long. 3.97 417-35 Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long. 3.97 417-36 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-37 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-48 Same as above without Hexagon Nuts. <t< td=""><td>417-16</td><td>Same as above except with Malleable Screw Jaw</td><td></td></t<>	417-16	Same as above except with Malleable Screw Jaw	
17-71	417 - 26	" " without Screw Jaw, Jaw Pin or Hexagon Nut	3.62
Jaw Pin 4.92	417-7	Lock Rod complete as shown 5' 6" long with Forged Screw Jaw, Nut and	
417-27		Jaw Pin	4.92
417-31		Same as above except with Malleable Screw Jaw	
417-41 Same as above without Hexagon Nuts. 2.65 417-32 Lock Rod Threaded complete with Four Hexagon Nuts, 3' long. 3.52 417-32 Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long. 3.67 417-33 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.82 417-34 Same as above without Hexagon Nuts. 3.10 417-35 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.97 417-45 Same as above without Hexagon Nuts. 3.07 417-36 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-46 Same as above except without Hexagon Nuts. 3.40 417-47 Lock Rod complete as shown 5' 6" long. 4.27 417-47 Same as above without Hexagon Nuts. 3.55 1020-1 Screw Jaw, Malleable Iron. 5.6 1020-1 Screw Jaw, Malleable Iron. 5.4 1002-5 11/4" Hexagon Nut, 3" thick. 18 1033-1 R. S. A. Jaw Pin, 3" x 2½" with Cotter. 11		" " without Screw Jaw, Jaw Pin or Hexagon Nut	
Same as above without Hexagon Nuts. 2.80		Lock Rod Threaded with Four Hexagon Nuts complete, 2' 6" long	
417-42 Same as above without Hexagon Nuts. 2.80 417-43 Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long. 3.67 417-34 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.82 417-34 Same as above without Hexagon Nuts. 3.10 417-35 Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long. 3.97 417-35 Same as above without Hexagon Nuts. 3.25 417-36 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-37 Lock Rod complete as shown 5' 6" long. 4.27 417-47 Same as above without Hexagon Nuts. 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron. 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x2½" with Cotter. 11		Same as above without Hexagon Nuts	
417-42 Same as above without Hexagon Nuts. 2.80 417-43 Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long. 3.67 417-34 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.82 417-34 Same as above without Hexagon Nuts. 3.10 417-35 Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long. 3.97 417-35 Same as above without Hexagon Nuts. 3.25 417-36 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-37 Lock Rod complete as shown 5' 6" long. 4.27 417-47 Same as above without Hexagon Nuts. 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron. 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x2½" with Cotter. 11		Lock Rod Threaded complete with Four Hexagon Nuts, 3' long	
417-43 Same as above without Hexagon Nuts. 2.95 417-43 Lock Rod Threaded complete with Four Hexagon Nuts, 4' long. 3.82 417-44 Same as above without Hexagon Nuts. 3.07 417-45 Same as above without Hexagon Nuts. 3.25 417-36 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-37 Same as above except without Hexagon Nuts. 3.40 417-47 Same as above without Hexagon Nuts. 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x 2½" with Cotter. 11		Same as above without Hexagon Nuts	
417-44 Same as above without Hexagon Nuts. 3.10 417-45 Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long. 3.97 417-45 Same as above without Hexagon Nuts. 3.25 417-46 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-37 Lock Rod complete as shown 5' 6" long. 4.27 417-47 Same as above without Hexagon Nuts. 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron. 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x 2½" with Cotter. 11		Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long	3.67
417-44 Same as above without Hexagon Nuts. 3.10 417-45 Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long. 3.97 417-45 Same as above without Hexagon Nuts. 3.25 417-46 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-37 Lock Rod complete as shown 5' 6" long. 4.27 417-47 Same as above without Hexagon Nuts. 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron. 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x 2½" with Cotter. 11		Same as above without Hexagon Nuts	
417-35 Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6'' long. 3.97 417-45 Same as above without Hexagon Nuts. 3.25 417-36 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long. 4.12 417-47 Same as above except without Hexagon Nuts. 3.40 417-47 Same as above without Hexagon Nuts. 4.27 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron. 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x ½½" with Cotter. 11		Lock Rod Threaded complete with Four Hexagon Nuts, 4' long	
417-45 Same as above without Hexagon Nuts 3.25 417-36 Lock Rod Threaded complete with Four Hexagon Nuts, 5' long 4.12 417-46 Same as above except without Hexagon Nuts 3.40 417-47 Lock Rod complete as shown 5' 6" long 4.27 417-47 Same as above without Hexagon Nuts 3.55 1020 R. S. A. Serew Jaw, Forging 86 1020-1 Screw Jaw, Malleable Iron 54 1002-5 1½" Hexagon Nut, ¾" thick 18 1033-1 R. S. A. Jaw Pin, ¾" x 2½" with Cotter 11		Same as above without Hexagon Nuts	
417-46 Same as above except without Hexagon Nuts 3.40 417-37 Lock Rod complete as shown 5' 6" long. 4.27 417-47 Same as above without Hexagon Nuts 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x 2½" with Cotter 11		Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long	
417-46 Same as above except without Hexagon Nuts 3.40 417-37 Lock Rod complete as shown 5' 6" long. 4.27 417-47 Same as above without Hexagon Nuts 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x 2½" with Cotter 11		Same as above without Hexagon Nuts.	
417-37 Lock Rod complete as shown 5' 6" long. 4.27 417-47 Same as above without Hexagon Nuts. 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron. 54 1002-5 1½" Hexagon Nut, 3½" thick. 18 1033-1 R. S. A. Jaw Pin, ½" x 2½" with Cotter. 11		Lock Rod I hreaded complete with Four Hexagon Nuts, 5 long	
417-47 Same as above without Hexagon Nuts. 3.55 1020 R. S. A. Screw Jaw, Forging. 86 1020-1 Screw Jaw, Malleable Iron. 54 1002-5 1½" Hexagon Nut, ¾" thick. 18 1033-1 R. S. A. Jaw Pin, ¾" x 2½" with Cotter. 11		Same as above except without Hexagon Nuts.	
1020 R. S. A. Screw Jaw, Forging 86 1020-1 Screw Jaw, Malleable Iron 54 1002-5 1¼" Hexagon Nut, ¾" thick 18 1033-1 R. S. A. Jaw Pin, ¾" x 2¼" with Cotter 11		Lock Nou complete as snown 5 0 long.	
1020-1 Screw Jaw, Malleable Iron 54 1002-5 1½" Hexagon Nut, 3½" thick 18 1033-1 R. S. A. Jaw Pin, ½" x 2½" with Cotter 11		D C A Corony Low Foreing	
1002-5 1½" Hexagon Nut, ¾" thick		Soray Law Mallachla Iron	
1033–1 R. S. A. Jaw Pin, ½" x 2½" with Cotter		11/ Hayan Nut 3// thick	
1035-1 R. S. M. Jaw 1 III, 78 X 2/4 WICH COLLET		P S A Low Din 74" with Cotton	
704-14 3" v 114" Cotter Pine for above per C	704-14	$\frac{3}{16}$ " x $1\frac{1}{2}$ " Cotter Pins for above, per C.	. 11





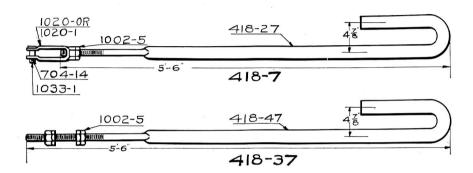
Trade No.	DESCRIPTION	List Price
420-1	Lock Rod complete, 2' 6" long with Forged Screw Jaw, Nut and Jaw Pin.	\$3.94
420-11	Same as above except Malleable Iron Screw Jaw	3.62
420-21	" " without Screw Jaw, Jaw Pin or Hexagon Nut	2.79
420-2	Lock Rod complete, 3' long with Forged Screw Jaw, Nut and Jaw Pin	4.09
420-12	Same as above with Malleable Screw Jaw " " without Screw Jaw, Jaw Pin or Hexagon Nut	3.77
420-22	" " without Screw Jaw, Jaw Pin or Hexagon Nut.	2.94
420-3	Lock Rod complete, 3' 6" long with Forged Screw Jaw, Nut and Jaw Pin	4.24
420-13	Same as above except with Malleable Screw Jaw	3.92
420-23	" " without Screw Jaw, Jaw Pin or Hexagon Nut	3.09
420-4	Lock Rod complete, 4' long with Forged Screw Jaw, Nut and Jaw Pin	4.39
420-14	Same as above except with Malleable Screw Jaw without Screw Jaw, Jaw Pin or Hexagon Nut	4.07
420-24	" " without Screw Jaw, Jaw Pin or Hexagon Nut.	3.24
420-5	Lock Rod complete, 4' 6" long, with Forged Screw Jaw, Nut and Jaw Pin	4.54
420-15	Same as above with Malleable Screw Jaw	4.22
420 - 25	" " without Screw Jaw, Jaw Pin or Hexagon Nut	3.39
420-6	Lock Rod complete, 5' long, with Forged Screw Jaw, Nut and Jaw Pin	4.69
420 - 16	Same as above except with Malleable Screw Jaw	4.37
420 - 26	" " without Screw Jaw, Jaw Pin or Hexagon Nut	3.54
420 - 7	Lock Rod complete, as shown, 5' 6" long, with Forged Screw Jaw, Nut and	
200 2 200	Jaw Pin	4.84
420 - 17	Same as above except with Malleable Screw Jaw	4.52
420 - 27	" " without Screw Jaw, Jaw Pin or Hexagon Nut	3.69
420-31	Lock Rod Threaded complete with Four Hexagon Nuts 2' 6" long	3.51
420-41	Same as above without Hexagon Nuts. Lock Rod Threaded complete with Four Hexagon Nuts, 3' long	2.79
420-32	Lock Rod Threaded complete with Four Hexagon Nuts, 3' long	3.66
420-42	Same as above without Hexagon Nuts	2.94
420-33	Lock Rod I hreaded complete with Four Hexagon Nuts, 3' long. Same as above without Hexagon Nuts. Lock Rod Threaded with Four Hexagon Nuts, 3' 6" long. Same as above without Hexagon Nuts. Lock Rod Threaded complete with Four Hexagon Nuts, 4' long.	3.81
420-43	Same as above without Hexagon Nuts	3.09
420-34	Lock Rod I breaded complete with Four Hexagon Nuts, 4' long	3.96
420-44 420-35		3.24
420-35	Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long	4.11
420-45	Same as above except without Hexagon Nuts	3.39
420-36	Lock Rod Threaded complete with Four Hexagon Nuts, 5' long	4.26
420-46	Same as above except without Hexagon Nuts Lock Rod complete as shown, 5' 6" long	3.54
420-37	Same as above except without Hexagon Nuts	4.41
1020	R. S. A. Screw Jaw Forging.	3.69
1020-1	Screw Jaw, Malleable Iron.	.86
1002-5	14" Hexagon Nurs, 34" thick.	.54
1033-1	R. S. A. Jaw Pin, 7/8" x 21/4"	.18
704-14	$\frac{3}{16}$ " x $1\frac{1}{2}$ " Cotter Pin for above, per C.	.11





Trade No.	DESCRIPTION	List Price
416-1	Lock Rod complete, 2' 6" long with Forged Screw Jaw, Nut and Jaw Pin .	\$5.19
416-11	Same as above except with Malleable Screw Jaw	4.87
416-21	" " without Screw Jaw Pin or Hexagon Nut	4.04
416-2	Lock Rod complete, 3' long with Forged Screw Jaw, Nut and Jaw Pin	5.34
416-12	Same as above except with Malleable Screw Jaw	5.02
416-22	" " without Screw Jaw or Hexagon Nut	4.19
416-3	Lock Rod complete, 3' 6" long with Forged Screw Jaw, Nut and Jaw Pin	5.49
416-13	Same as above except with Malleable Screw Jaw	5.17
416-23	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.34
416-4	Lock Rod complete, 4' long with Forged Screw Jaw, Nut and Jaw Pin	5.64
416-14	Same as above except with Malleable Screw Jaw	5.32
416 - 24	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.49
416-5	Lock Rod complete, 4' 6" long with Forged Screw Jaw	5.79
416-15	Same as above except with Malleable Screw Jaw	5.47
416-25	" " without Screw Jaw or Hexagon Nut	4.64
416-6	Lock Rod complete, 5' long with Forged Screw Jaw, Nut and Jaw Pin	5.84
416 - 16	Same as above except with Malleable Screw Jaw	5.62
416-26	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.79
416-7	Lock Rod complete as shown, 5' 6" long with Forged Screw Jaw, Nut and	
	Jaw Pin	5.99
416 - 17	Same as above except with Malleable Screw Jaw	5.77
416 - 27	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.94
416-31	Lock Rod Threaded complete with Four Hexagon Nuts, 2' 6" long	4.50
416 - 41	Same as above except without Hexagon Nuts	3.78
416-32	Lock Rod Threaded complete with Four Hexagon Nuts, 3' long	4.65
416 - 42	Same as above except without Hexagon Nuts	3.93
416-33	Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long	4.80
416-43	Same as above except without Hexagon Nuts. Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long. Same as above except without Hexagon Nuts. Lock Rod Threaded complete with Four Hexagon Nuts, 4' long.	4.08 4.95
416-34	Same as above except without Hexagon Nuts	4.93
416-44 416-35	Same as above except without nexagon Nuts.	5.10
	Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long	4.38
416-45	Same as above without Hexagon Nuts Lock Rod Threaded complete with Four Hexagon Nuts, 5' long	5.25
416-36 416-46	Same as above without Hexagon Nuts	4.53
416-46	Lock Rod complete as shown, 5' 6" long	5.40
416-47	Same as above without Hexagon Nuts	4.68
1020	R. S. A. Screw Jaw, Forging.	.86
1020-1	Screw Iaw Malleable Iron	.54
1002-5	11/" Heyagan Nut. 3/" thick	,18
1033-1	1¼" Hexagon Nut, ¾" thick R. S. A. Jaw Pin, ¾" x 2¼" with Cotter	.11
704-14	3" x 1½" Cotter Pins for above, per C.	.90

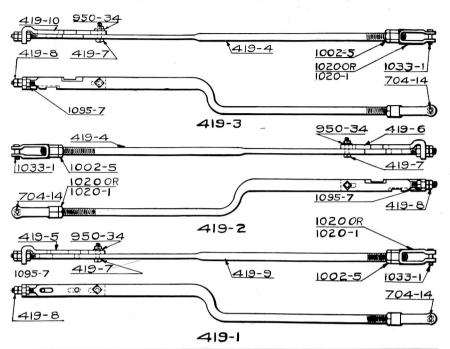




Trade No.	DESCRIPTION	List Price
418-1	Lock Rod complete, 2' 6" long with Forged Screw Jaw, Nut and Jaw Pin	\$5.47
418-11	Same as above except with Malleable Screw Jaw	5.15
418-21	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.32
418-2	Lock Rod complete, 3' long with Forged Screw Jaw, Nut and Jaw Pin	5.53
418-12	Same as above except with Malleable Screw Jaw	5.21
418-22	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.38
418 - 3	Lock Rod complete, 3' 6" long with Forged Screw Jaw, Nut and Jaw Pin	5.59
418-13	Same as above except with Malleable Screw Jaw	5.27
418 - 23	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.44
418 - 4	Lock Rod complete, 4' long with Forged Screw Jaw, Nut and Jaw Pin	5.65
418 - 14	Same as above except with Malleable Screw Jaw	5.33
418 - 24	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.50
418-5	Lock Rod complete, 4' 6" long with Forged Screw Jaw, Nut and Jaw Pin	5.71
418 - 15	Same as above except with Malleable Screw Jaw	5.39
418 - 25	Without Sciew Jaw, Jaw 1111 of Hexagon Nut	4.56
418-6	Lock Rod complete, 5' long with Forged Screw Jaw, Nut and Jaw Pin	5.77
418-16	Same as above except with Malleable Screw Jaw	5.45
418-26 418-7	Lock Rod complete as shown, 5' 6" long, with Forged Screw Jaw, Nut and	4.62
418-7		5.83
418-17	Jaw PinSame as above except with Malleable Screw Jaw	5.51
418-27	" " without Screw Jaw, Jaw Pin or Hexagon Nut	4.68
418-31	Lock Rod Threaded complete with Four Hexagon Nuts, 2' 6" long	5.04
418-41	Same as above without Hexagon Nuts	4.32
418-32	Lock Rod Threaded complete with Four Hexagon Nuts, 3' long	5.10
418-42	Same as above without Hexagon Nuts	4.38
418-33	Same as above without Hexagon Nuts Lock Rod Threaded complete with Four Hexagon Nuts, 3' 6" long	5.16
418-43	Same as above without Hexagon Nuts	4.44
418-34	Same as above without Hexagon NutsLock Rod Threaded complete with Four Hexagon Nuts, 4' long	5.22
418-44	Same as above without Heyagon Nuts	4.50
418 - 35	Lock Rod Threaded complete with Four Hexagon Nuts, 4' 6" long Same as above without Hexagon Nuts	5.28
418 - 45	Same as above without Hexagon Nuts	4.56
418-36	Lock Rod Threaded complete with Four Hexagon Nuts, 5' long	5.34
418-46	Same as above without Hexagon Nuts	4.62
418-37	Lock Rod complete as shown, 5' 6" long	5.40
418-47	Same as above without Hexagon Nuts	4.68
1020	R. S. A. Screw Jaw, Forging	.86
1020-1	Screw Jaw, Malleable Iron	.54
1002-5	1½" Hexagon Nut, ¾" thick	.18
1033-1	R. S. A. Jaw Pin, 78" x 214", with Cotter	.11
704-14	3" x 1½" Cotter Pin for above, per C	.90



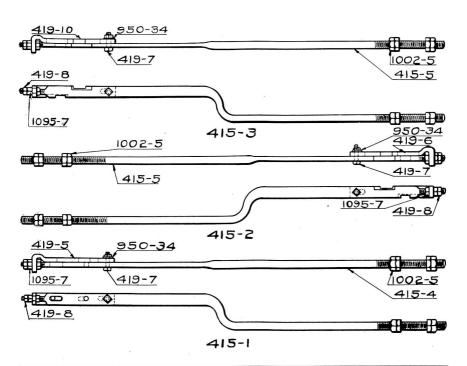
ADJUSTABLE LOCK RODS



Trade No.	DESCRIPTION	List Price
419-1	Adjustable Lock Rod for Facing Point Lock or Switch and	\$13.35
419-11	Lock Movement, complete as shown	13.02
419-2	Right Hand Adjustable Lock Rod for Switch and Lock Move-	10.02
	ment, complete as shown	13.35
419 - 12	ment, complete as shown	13.02
419 - 3	Left Hand Adjustable Lock Rod for Switch and Lock Move-	
	ment, complete as shown	13.35
419–13	Same as above except with Malleable Screw Jaw	13.02
419-9	Lock Rod Drilled and Threaded for 419–1 and 419–11 " " " 419–2, 419–12, 419–3	5.87
419-4	and 419–13	5.87
419-5	Adjustable Lock Plate Drilled and Slotted for 419-1 and	4.35
419-6	419–11	4.33
419-0	419–12	4.35
419-10	Adjustable Lock Plate Drilled and Notched for 419-3 and	1.00
	410–13	4.35
419-7	3/4" x 23/4" Square Head Machine Bolt and Nut	. 13
950 - 34	3/4" Standard Iron Washer	.02
419 - 8	3/4" " Hexagon Nut	. 08
1020	R. S. A. Screw Jaw Forged	. 86
1020-1	Same as above except Malleable Iron.	.54
1002-5	1½" Hexagon Nut, ¾" thick	.18
1033–1 704–14	R. S. A. Jaw Pin, 1/4" with Cotter	.90
1095-7	36" x 1½" Cotter Pin for above, per C	1.65
1093-7	Adjusting Mut	1.00



ADJUSTABLE LOCK RODS



Trade No.	DESCRIPTION	List Price
415–1	Adjustable Lock Rod for Facing Point Lock or Switch and Lock Movement, complete as shown	\$12.92
415-2	Right Hand Adjustable Lock Rod for Switch and Lock Move- ment, complete as shown	12.92
415-3	Same as above except Left Hand	12.92
415-4	Lock Rod Drilled and Threaded for 415-1	5.87
415-5	" " " " 415–2 and 415–3	5.87
419-5	Adjustable Lock Plate Drilled and Slotted for 415–1	4.35
419-6	" " " Notched for 415–2	4.35
419-10	" " " " 415–3	4.35
419-7	3/4" x 23/4" Square Head Machine Bolt and Nut	. 13
950-34	3/4" Standard Iron Washer	.02
419-8	3/4" " Hexagon Nut	.08
1002-5	11/4" Hexagon Nut, 3/4" thick	.18
1095-7	Adjusting Sleeve and Nut	1.65