

AUTOMATIC CIRCUIT-BREAKER.

Tramway Type.

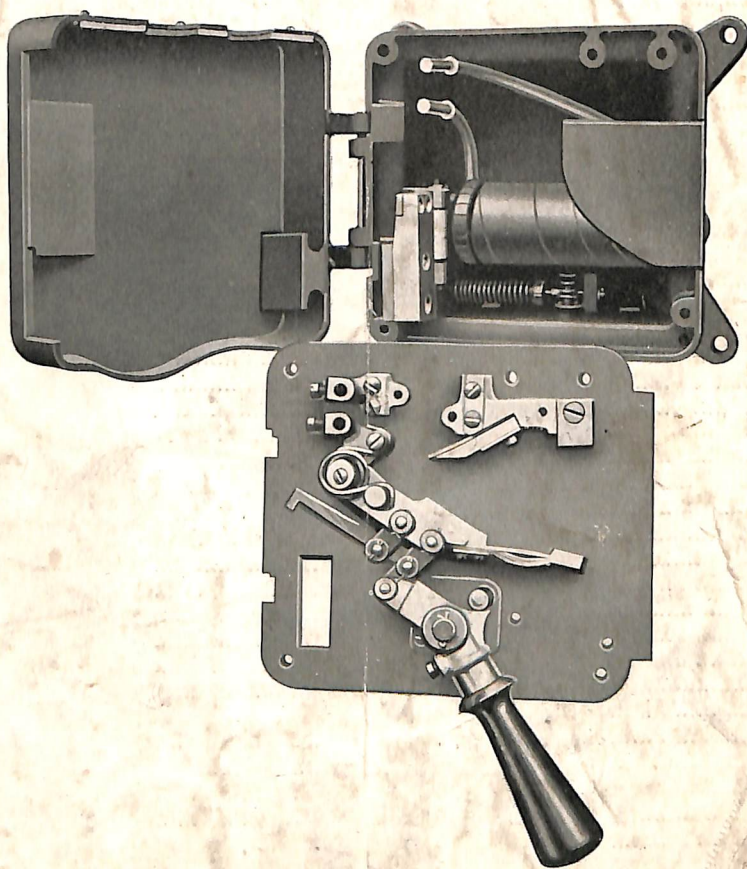


FIG. 2.—CIRCUIT-BREAKER WITH COVER OPEN AND SWITCH-BASE DETACHED.

AUTOMATIC CIRCUIT-BREAKER.

Tramway Type.

Style Nos. 5401, 5402, 5403, and 5404.

STYLE NUMBER INDEX.

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PARTS OF AUTOMATIC CIRCUIT-BREAKER.

Tramway Type.

Style Nos. 5401, 5402, 5403, and 5404.

Style No.	No. per Breaker.	List Price.
		£ s. d.
3536	I. Cover	0 6 9
3551	I. Asbestos lining for cover.....	0 0 6
3552	I. Pressed asbestos side piece for cover.....	0 0 6
3553	I. Small asbestos sheet, 1 $\frac{1}{8}$ " x 2 $\frac{1}{4}$ ".....each	0 0 2
3501	3. Rivets for No. 3552, $\frac{1}{8}$ " x $\frac{3}{8}$ ".....per doz.	0 0 3
3502	I. Hinge pin for cover, $\frac{1}{4}$ " x 4".....	0 0 3
3503	2. Bolts for cover, $\frac{1}{4}$ " x 3" Rd. Hd. Stove...per doz.	0 1 3
3838	2. Nuts ,, ,, , $\frac{1}{4}$ ".....per doz.	0 0 3
289	I. Vulcabeston Base Plate	0 7 10
3301	2. Screws for securing No. 289, No. 14—24 x $\frac{3}{4}$ ".....per doz.	0 0 4
9097	I. Arc Shield complete	0 10 9
290	I. Arc shield cover.....	0 4 1
291	I. Arc shield side piece.....	0 3 0
292	I. Arc shield side piece.....	0 3 3
9098	3. Screws for arc shield, No. 14—24 x 2".....per doz.	0 0 10
9099	I. ,, ,, ,, No. 14—24 x 1 $\frac{3}{4}$ ".....per doz.	0 0 8
280	I. Handle with Ferrule , screwed $\frac{3}{8}$ "—16...	0 2 0
3505	I. Handle Lever with screws.....	0 2 6
3507	I. Handle lever without screws.....	0 2 3
3506	I. Screw for No. 3507, No. 14—24 x $\frac{5}{8}$ "...per doz.	0 0 4
3508	I. Pin for No. 3507, $\frac{1}{4}$ " x 1 $\frac{1}{16}$ ".....per doz.	0 1 4
3497	I. Split pin for Nos. 3507 and 3508, $\frac{1}{16}$ " x $\frac{5}{8}$ ".....per doz.	0 0 3
72	I. Washer for No. 3507.....per doz.	0 0 3
3523	I. Handle Lever Fulcrum Plate complete with pins.....	0 1 0
3522	I. Backing plate for No. 3523.....	0 0 6
3546	3. Screws for Nos. 3522 and 3523, No. 14—24 x $\frac{3}{8}$ " flat head.....per doz.	0 0 4
3524	I. Pin for fulcrum plate, $\frac{1}{2}$ " x 1 $\frac{3}{8}$ ".....per doz.	0 1 3
3525	I. Pin for fulcrum plate, $\frac{1}{2}$ " x 2 $\frac{1}{16}$ ".....per doz.	0 1 6

Order by Style Number.

AUTOMATIC CIRCUIT-BREAKER.

Tramway Type.

Style No.	No. per Breaker.	Description	Price.		
			£	s	d.
3530	1.	Long Link between handle and contact levers	0	0	3
3529	1.	Short Link " " " " " "	0	0	3
3526	1.	Trigger complete with pins	0	1	0
3527	1.	Trigger without pins	0	1	0
3528	2.	Pin for trigger and links, $\frac{1}{4}$ " x $\frac{19}{32}$ ".....per doz.	0	0	6
3484	2.	Split pin for No. 3528, $\frac{1}{16}$ "— $\frac{3}{8}$ ".....per doz.	0	0	3
3509	1.	Contact Lever complete with arcing finger and pins.....	0	4	7
3510	1.	Contact lever without arcing finger and pins..	0	3	0
3508	2.	Pin for links, $\frac{1}{4}$ " x $1\frac{1}{16}$ "per doz.	0	1	0
3497	2.	Split pin for No. 3508, $\frac{1}{16}$ " x $\frac{5}{8}$ ".....per doz.	0	0	3
3511	2.	Washer for No. 3509.....per doz.	0	0	6
3512	5.	Rivets for No. 3511, No. 42 x $\frac{3}{8}$per doz.	0	0	3
3513	1.	Arcing tip, $\frac{3}{16}$ " x $\frac{3}{4}$ " x $\frac{9}{16}$ "each	0	0	2
3519	1.	Phosphor bronze spring for No. 3513.....each	0	0	2
9232	1.	Arcing finger complete with tip, springs, and shunt.....	0	1	0
3515	1.	Washer for arcing finger, No. 14, $\frac{7}{8}$ " x $\frac{9}{16}$ ", copperper doz.	0	0	6
3621	2.	Screw for arcing finger, No. 14—24 x $\frac{1}{2}$ ".....per doz.	0	0	4
3520	1.	Spring for No. 3509per doz.	0	0	3
3541	1.	Fulcrum for Contact Lever with screws and pin.....	0	3	0
3537	1.	Fulcrum for contact lever without screws and pin.....	0	2	9
3540	1.	Pin for No. 3541, $\frac{5}{16}$ " x $1\frac{3}{16}$ "per doz.	0	1	0
3301	2.	Screws for No. 3541, No. 14—24 x $\frac{1}{4}$ ".....per doz.	0	0	4
3621	1.	" " No. 3520, No. 14—24 x $\frac{1}{2}$ ".....per doz.	0	0	4
31	2.	Washer for No. 3540per doz.	0	0	3
3621	2.	Binding screws for No. 3540, No. 14—24 x $\frac{1}{2}$ "per doz.	0	0	4

Order by Style Number.

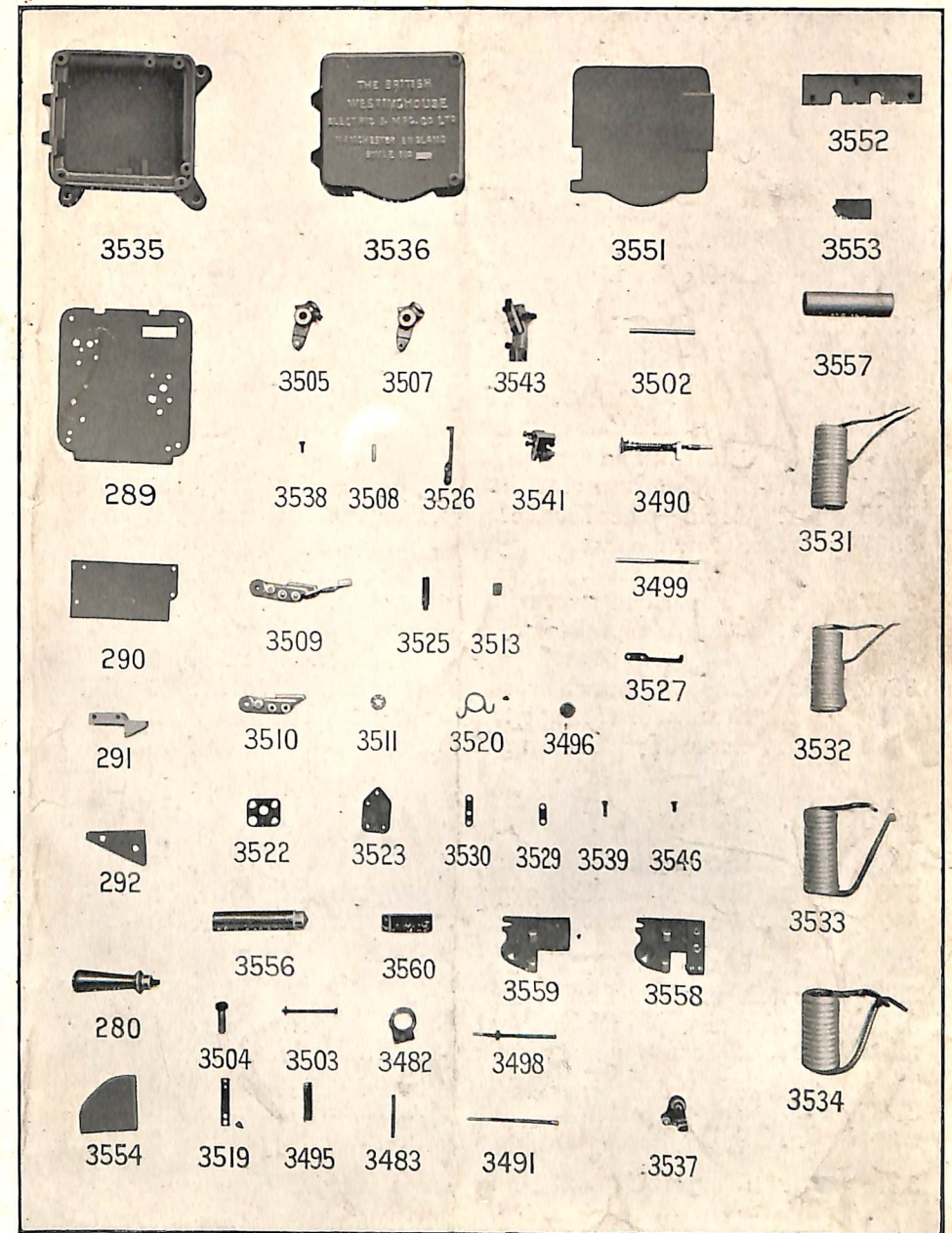


FIG. 3.

AUTOMATIC CIRCUIT-BREAKER.

Tramway Type.

Style No.	No. per Breaker.		Price
			£ s. d.
3542	1.	Terminal Block with screws	0 2 3
9101	1.	Terminal block without screws	0 2 2
3301	2.	Screw for fastening No. 3542, No. 14—24 x $\frac{3}{4}$ "per doz.	0 0 4
3621	2.	Binding screw for inside terminal, No. 14—24 x $\frac{1}{2}$ "per doz.	0 0 4
3301	2.	Binding screw for outside terminal, No. 14—24 x $\frac{3}{4}$ "per doz.	0 0 4
31	2.	Washer for No. 3301, $\frac{3}{16}$ "	0 0 3
3543	1.	Brush Terminal complete with plate, brush, and screws.....	0 3 10
3544	1.	Brush terminal without arcing plate, &c.....	0 2 9
3545	1.	Arcing plate for No. 3544	0 0 3
3506	1.	Screw for fastening No. 3545, No. 14—24 x $\frac{5}{8}$ "per doz.	0 0 4
3547	1.	Copper contact brush with spring.....	0 1 0
3548	1.	Clamp plate for contact brush, No. 14— $\frac{9}{16}$ " x $1\frac{1}{16}$ "per doz.	0 0 6
3549	1.	Copper contact brush without spring	0 0 10
3550	1.	Spring for No. 3547, $\frac{9}{16}$ " x $2\frac{1}{4}$ " phosphor bronze	0 0 3
3301	3.	Screw for fastening brush and terminal, No. 14—24 x $\frac{3}{4}$ "per doz.	0 0 4
3535	1.	Box	1 5 0
3554	1.	Magnet Pole-piece	0 1 0
3504	1.	Tap bolt for No. 3554, $\frac{1}{2}$ " x $1\frac{1}{2}$ ".....per doz.	0 1 3
72	1.	Washer for No. 3504, $\frac{1}{2}$ ".....per doz.	0 0 3
3556	1.	Magnet Core	0 2 6
3557	1.	Fullerboard and mica sleeve	0 1 0
3555	1.	Dowel pin for No. 3556, No. 12 x $\frac{1}{16}$ ".....per doz.	0 0 4
3482	1.	Bracket for magnet armature.....	0 1 6
3301	1.	Screw for No. 3482, No. 14—24 x $\frac{3}{4}$ ".....per doz.	0 0 4
3483	1.	Pin for No. 3482, $\frac{1}{4}$ " x $2\frac{5}{8}$ ".....per doz.	0 0 3
3484	2.	Split pin for No. 3483, $\frac{1}{16}$ " x $\frac{3}{8}$ ".....per doz.	0 0 3
3534	1.	Magnet Coil , 200 amps. for automatic circuit-breaker, No. 5404.....	0 9 0
3533	1.	Magnet coil, 150 amps. for automatic circuit- breaker, No. 5403	0 8 0

Order by Style Number

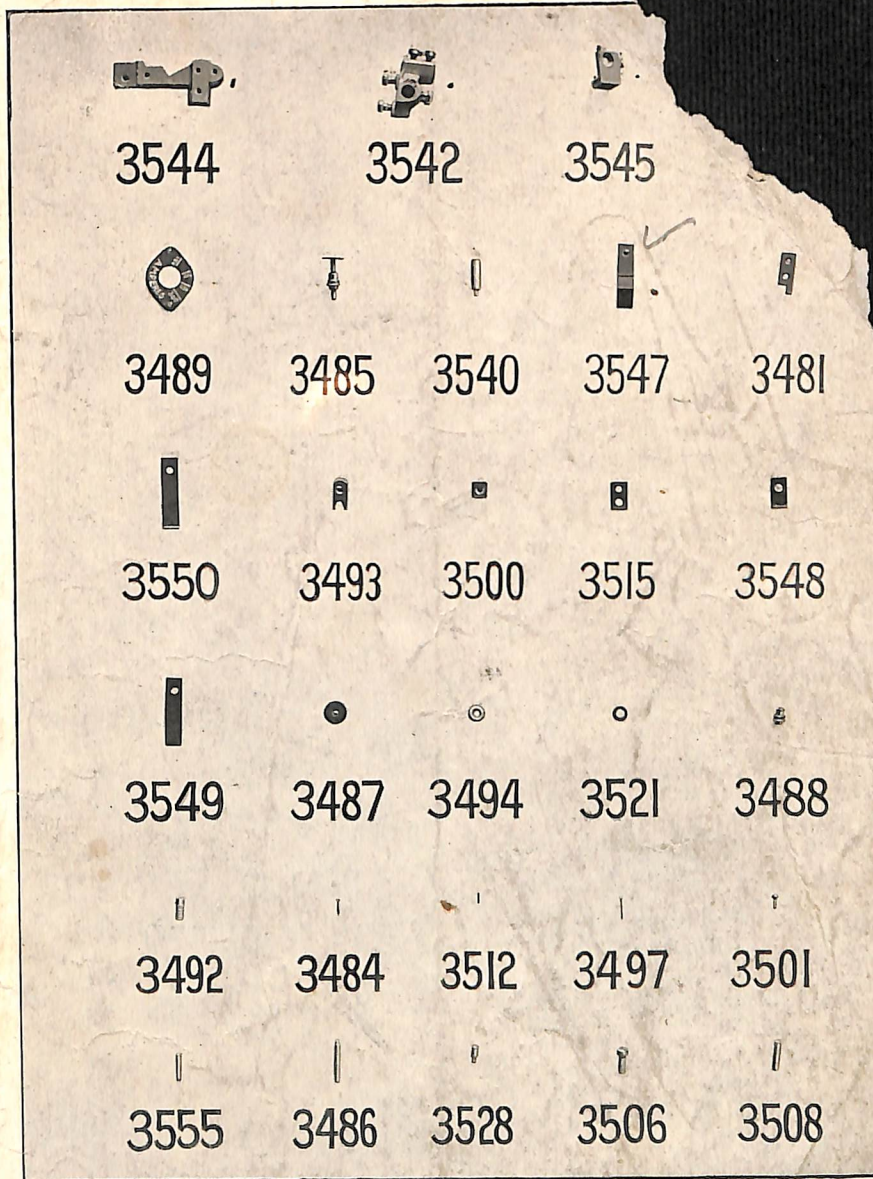


FIG. 4.

AUTOMATIC CIRCUIT-BREAKER.

Tramway Type.

Style No.	No. per Breaker.		Price.		
			£	s.	d.
3542	1.	T agnet coil, 80 amps for automatic circuit-			
9101	1.	breaker, No. 5402	0	8	0
3301	2.	Magnet coil, 50 amps for automatic circuit-			
		breaker, No. 5401	0	7	0
3621					
8	1.	Magnet Armature complete with fibre tip	0	3	0
33 J	1.	Magnet armature.....	0	1	9
9	1.	Fibre tip for armature, complete with trigger			
		catch	0	1	0
3550	1.	Fibre tip without catch	0	0	9
3481	1.	Catch for armature tip	0	0	3
3621	2.	Screw for fastening catch, No. 14—24 x $\frac{1}{2}$ "			
	per doz.	0	0	4
3301	2.	Screw for fastening tip, No. 14—24 x $\frac{3}{4}$ "			
	per doz.	0	0	4
3498	1.	Locking Shaft with washer, nut, and			
		split pin.....	0	0	9
3499	1.	Locking shaft without washer, nut, and split pin	0	0	6
27	1.	Washer for No. 3498, $\frac{1}{8}$ "	0	0	3
3484	1.	Split pin for No. 3498, $\frac{1}{16}$ x $\frac{3}{8}$ "	0	0	3
3500	1.	Square nut for No. 3498.....	0	0	8
3490	1.	Worm Shaft complete with washer, spring			
		nut and worm	0	2	6
3491	1.	Worm shaft without washer and pin, No.			
		14 x $5\frac{9}{16}$ "	0	0	9
27	1.	Washer for No. 3490	0	0	3
3484	1.	Split pin for No. 3490, $\frac{1}{16}$ x $\frac{3}{8}$ "	0	0	3
3496	1.	Knurled handle	0	0	6
3497	1.	Split pin for No. 3496, $\frac{1}{16}$ x $\frac{5}{8}$ "	0	0	3
3493	1.	Special nut for No. 3490.....	0	0	6
3494	2.	Special brass washer for No. 3490	0	0	6
3495	1.	Spring for No. 3490	0	0	6
3492	1.	Worm for No. 3490	0	0	6
3489	1.	Indicator Plate	0	0	9
3485	1.	Indicator pin and worm wheel complete	0	0	9
3486	1.	Pin for indicator plate	0	1	6
3487	1.	Indicator and pin.....	0	0	3
3488	1.	Worm wheel	0	0	6
3484	1.	Split pin for No. 3488, $\frac{1}{16}$ x $\frac{3}{8}$ "	0	0	3

Order by Style Number.