



# The British Westinghouse

Electric & Manufacturing Co. Ltd.,

PART CATALOGUE No. 6551A.

May, 1913.

## PARTS

of

# Westinghouse Type T1C Tramway Controllers

Style No. 15948.

The Prices herein supersede previous quotations, and are subject to change without notice.

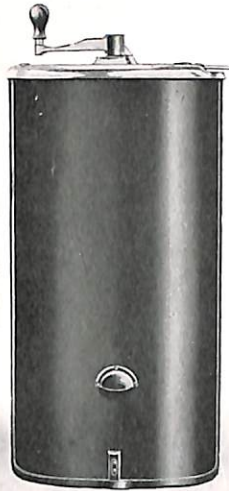
Prices are F.O.R. Manchester.

For Discounts, apply to the nearest Branch Office. (See back page.)

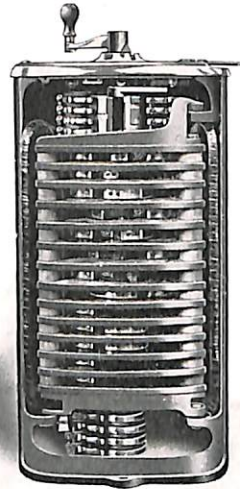
### IMPORTANT.

In giving the Style No. of any part ordered from this Catalogue, always insert the words "Style No."

# TYPE T CONTROLLER



(Photo 5508)  
With Cover on.



(Photo 5509)  
With Cover removed.

## Parts of Type T Controller

### STYLE NUMBER INDEX

Style No.	Illustrated on page	List Price on page	Style No.	Illustrated on page	List Price on page
27	9	10	12742	5	4
31	9	10	12743	5	4
35	7	6	12744	5	4
242	7	8	12745	5	4
2520	5	4	12746	5	4
3074	9	10	12748	5	4
3279	7	8	12750	5	4
8735	5	4	12751	5	4
8739	5	4	12752	5	4
10856	5	4	12764	5	5
11847A	5	4	12768	5	6
12727	5	4	12770	7	6
12728	5	4	12771	7	6
12729	5	4	12772	7	6
12730	5	4	12773	7	6
12731	5	4	12774	7	6
12732	5	4	12775	7	6
12733	5	4	12777	7	6
12735	5	4	12778	7	6
12736	5	4	12779	7	6
12737	5	4	12780	7	6
12738	5	4	12781	7	6
12739	5	4	12782	7	6
12740	5	4	12783	7	6
12741	5	4	12784	7	6

# Parts of Type T Controller

## STYLE NUMBER INDEX—continued.

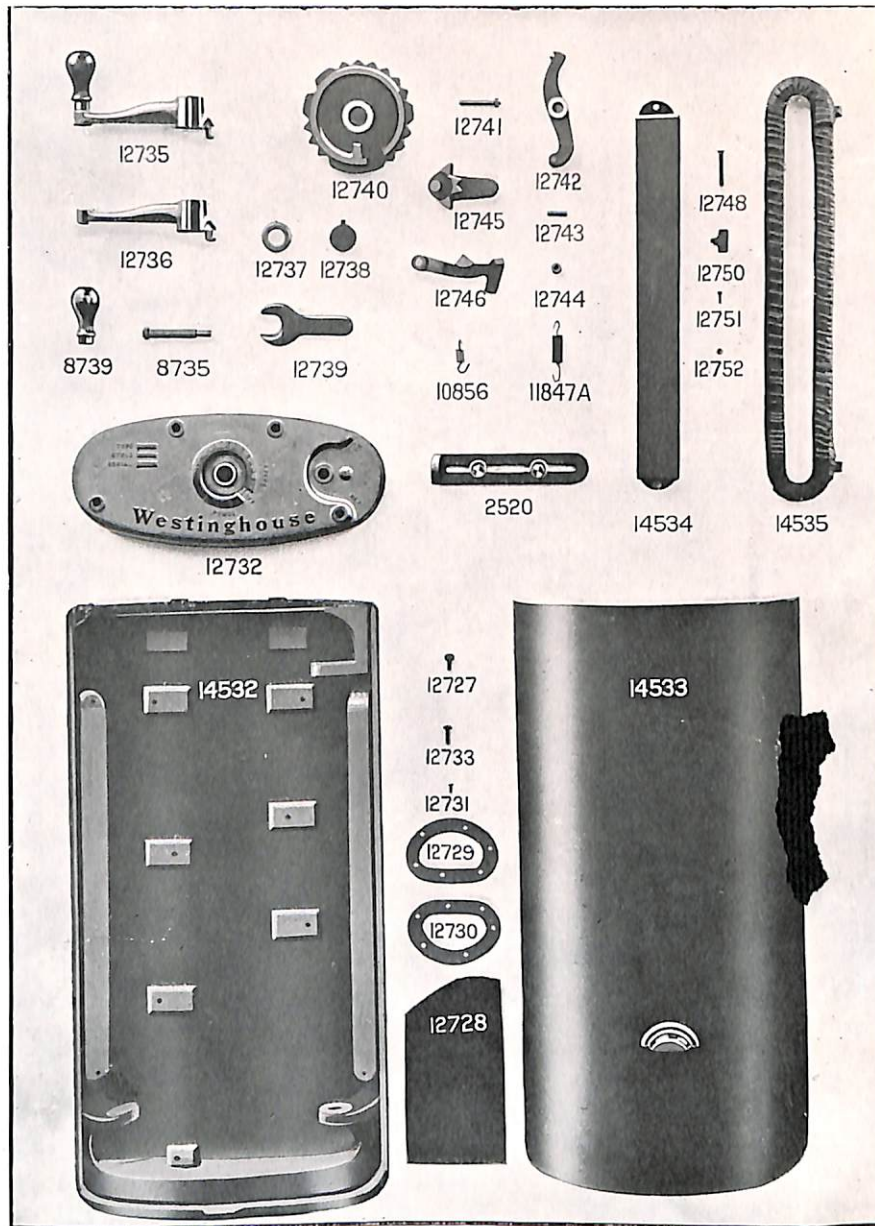
Style No.	Illustrated on page	List Price on page	Style No.	Illustrated on page	List Price on page
12785	7	6	12857	9	9
12786	7	6	12858	9	9
12787	7	6	12859	9	10
12788	7	6	12860	9	10
12789	7	6	12861	9	10
12790	7	6	12862	9	10
12791	7	6	12863	9	10
12792	7	6	12864	9	10
12793	7	6	12865	9	10
12794	7	6	12866	9	10
12795	7	6	12868	9	10
12796	7	6	12869	9	10
12797	7	6	12881	9	10
12798	7	6	12882	9	10
12799	7	6	12883	9	10
12800	7	6	12887	9	10
12801	7	6	12888	9	10
12802	7	6	12890	9	10
12803	7	6	12893	9	10
12804	7	7	12894	9	10
12805	7	7	12896	9	10
12806	7	7	12897	9	10
12807	7	7	12898	9	10
12808	7	7	12899	9	10
12809	7	7	14532	5	4
12810	7	7	14533	5	4
12811	7	7	14534	5	4
12812	7	7	14535	5	4
12813	7	8	14536	7	5
12814	7	8	14537	7	5
12815	7	8	14538	7	5
12816	7	8	14539	7	5
12817	7	8	14540	7	5
12818	7	8	14541	7	5
12819	7	8	14542	7	5
12820	7	8	14543	7	5
12821	7	8	14544	7	5
12822	7	8	14545	7	6
12823	7	8	14546	7	6
12824	7	8	14547	9	6
12825	7	8	14548	9	8
12826	7	8	14549	9	8
12829	9	8	14550	9	8
12832	9	8	14552	9	8
12833	9	8	14553	9	8
12834	9	8	14554	9	8
12836	9	8	14555	9	10
12839	9	8	14556	9	10
12840	9	8	14557	9	10
12841	9	8	14558	9	10
12842	9	8	14559	9	10
12843	9	8	14560	9	10
12844	9	8	14561	9	10
12845	9	8	14562	9	10
12846	9	9	14563	9	10
12847	9	9	14564	9	10
12848	9	9	14565	9	10
12850	9	9	14566	9	10
12851	9	9	14567	9	10
12852	9	9	14569	9	10
12853	9	9	14573	9	8
12854	9	9			
12855	9	9			

# Parts of Type T Controller.

Style No.	Parts per Controller.	Description.	Price.		
			£	s.	d.
<b>Frame and Covers.</b>					
14532	1.	C.I. frame with asbestos lining ... .. each	4	7	6
12727	1.	Ground terminal bolt, $\frac{5}{16}$ " x $\frac{3}{4}$ " Whit. Std. tap bolt ... .. gross	0	12	9
12728	2.	Flexible rubber-lined canvas hose ... .. each	0	2	3
12729	1.	Fibre clamping piece for cable hose, left hand ... .. "	0	1	5
12730	1.	" " " " right hand ... .. "	0	1	5
12731	10.	No. 2 B.A. x $\frac{5}{8}$ " Flat Head I.M.Sc. for bushes ... ..per 100	0	5	3
12732	1.	C.B. Top Plate complete, with mechanism-pivots, washers and cotter pins ... .. each	3	4	6
12733	4.	Top cover fixing screws $\frac{5}{16}$ " Whit. French Head brass screws ..	0	0	6
14533	1.	Front cover sheet iron, complete ... .. "	1	7	0
2520	1.	Bracing angle with two bolts and washers ... .. "	0	2	3
<b>Handles and Watercaps.</b>					
12735	1.	Main drum handle complete ... .. each	1	1	9
12736	1.	" " lever C.B. ... .. "	1	0	0
8739	1.	" " wood handle with ferrules ... .. "	0	1	3
8735	1.	" " steel pin with washer ... .. "	0	0	9
12737	1.	" " watercap, including No. 2 B.A. screw ... .. "	0	4	0
12738	1.	C.B. reverse drum handle socket and screw pin ... .. "	0	6	9
12739	1.	M.P. reverse drum handle ... .. "	0	3	3
<b>Operating Mechanism.</b>					
12740	1.	C.I. ratchet wheel ... .. each	0	6	3
12741	1.	Taper Pin and $\frac{1}{4}$ " Whit. Hex. I. for ratchet wheel ... .. "	0	0	6
12742	1.	Main drum pawl lever, complete with roller and pin ... .. "	0	3	0
12743	1.	Pin for main drum pawl ... .. doz.	0	2	3
12744	1.	Roller " " ... .. each	0	0	7
11847A	1.	Spring " " ... .. doz.	0	6	0
12745	1.	Reverse drum ratchet, complete with pins ... .. each	0	4	9
12746	1.	Reverse drum pawl ... .. "	0	1	8
10856	1.	Spring for reverse drum pawl ... .. doz.	0	4	6
<b>Blow-Out Coil.</b>					
14534	2.	Insulated C.I. core ... .. each	0	15	0
12748	4.	Fixing screws for core $\frac{5}{16}$ " x $2\frac{1}{4}$ " Whit. Flat Head I.M.Sc. ... .. doz.	0	1	8
14535	2.	Blow-out coil with terminals, Elec. Spec. No. 3244 ... .. each	2	2	0
12750	4.	C.I. terminals for blow-out coil, complete with screws and lock nuts ... .. doz.	0	8	3
12751	4.	Screw for blow-out coil terminal, No. 2 B.A. x $\frac{1}{2}$ " Cheese Head I.M.Sc. ... ..per 100	0	4	9
12752	4.	Lock nut for terminal screw No. 2 B.A. I.M.Sc. ... .. "	0	3	3

Order by Style Number.

PARTS OF TYPE T CONTROLLER—continued.



Style No.	Parts per Controller.	Description.	Price.		
			£	s.	d.
14536	1.	Arc shield complete	7	15	0
14537	1.	Top bracket complete with pivot pin	0	19	6
14538	1.	Bottom " " " "	1	5	6
14539	2.	Insulated tie rods complete with nuts and washers	0	2	6
14540	16.	1" thick spacing block treated wood	0	0	6
14541	10.	1 1/4" " " " "	0	0	7
12764	14.	Asbestos deflector plates with iron core	0	6	6
14542	1.	Foot catch complete	0	2	3
14543	2.	Fixing scrs. for above 1/2" x 1" Special Hex. Head iron tap bolt	0	13	6

Order by Style Number.

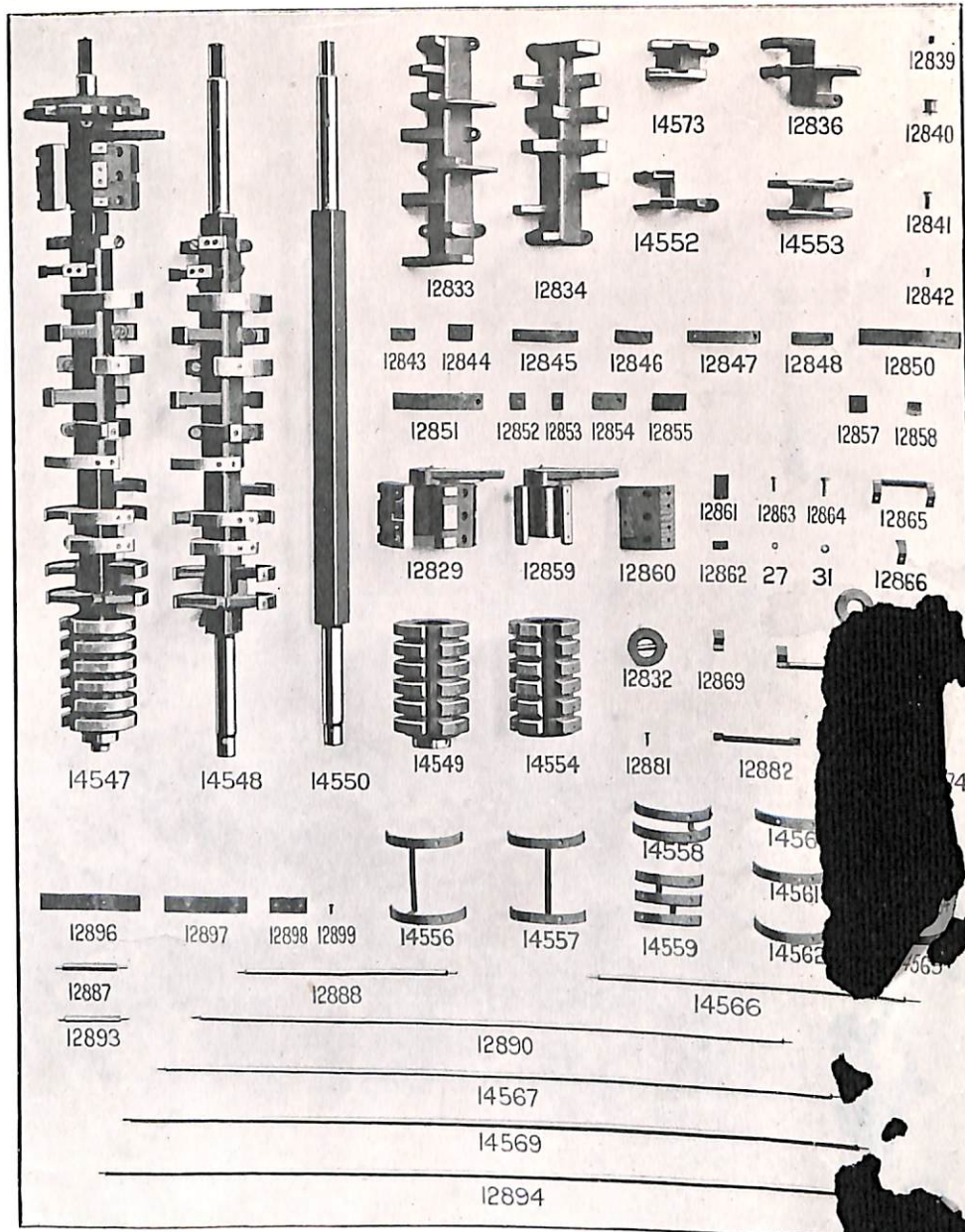








PARTS OF TYPE T CONTROLLER—continued.



5668  
MAIN DRUM PARTS—continued.

Style No.	Parts per Controller	Description.	Price.
			£ s. d.
12846	2.	$\frac{3}{16}$ " X $\frac{3}{4}$ " X $2\frac{19}{64}$ " copper segments used on rings No. 9, 10	0 6 0
12847	4.	$\frac{3}{16}$ " X $\frac{3}{4}$ " X $4\frac{13}{16}$ " " " " 8, 10, 11	0 9 0
12848	2.	$\frac{3}{16}$ " X $\frac{3}{4}$ " X $2\frac{1}{2}$ " " " " 10, 11	0 6 0
12850	1.	$\frac{3}{16}$ " X 1" X $8\frac{17}{64}$ " " " " 3	0 18 0
12851	1.	$\frac{3}{16}$ " X 1" X $6\frac{19}{32}$ " " " " 5	0 15 0
12852	1.	$\frac{3}{16}$ " X 1" X $1\frac{5}{16}$ " " " " 6	0 5 0
12853	1.	$\frac{3}{16}$ " X 1" X $\frac{3}{8}$ " " " " 7	0 5 3
12854	1.	$\frac{3}{16}$ " X 1" X $2\frac{3}{32}$ " " " " 7	0 6 9
12855	1.	$\frac{3}{16}$ " X 1" X $2\frac{3}{32}$ " " " " 4	0 6 9
12857	2.	$\frac{3}{16}$ " X 1" X $1\frac{3}{4}$ " " " " 3, 5	0 4 6
12858	12.	$\frac{3}{16}$ " X $\frac{3}{4}$ " X $5\frac{3}{64}$ " " " " 8, 9, 10, 11, 12, 13	0 3 9

Order by Style Number.

PARTS OF TYPE T CONTROLLER—continued.

Style No.	Parts per Control	Description.	Price.		
			£	s.	d.
<b>Reverse Drum Parts.</b>					
12859	1.	Cast-iron drum ... .. each	0	8	6
12860	2.	Treated ash segment bases ... .. „	0	0	9
12861	6.	$\frac{3}{16}$ " x $\frac{7}{8}$ " x $1\frac{1}{2}$ " copper segment ... .. doz.	0	5	3
12862	4.	$\frac{3}{16}$ " x $\frac{1}{2}$ " x $\frac{7}{8}$ " „ ... .. „	0	3	9
12863A	16.	Fixing Screws for segments No. 2 B.A. x $\frac{3}{8}$ " Cheese Head brass mach. screws... .. gross	0	8	6
27	16.	Washers for fixing screws ... ..per 100	0	0	4
12864	6.	Fixing screws for bases No. O.B.A. x $\frac{7}{8}$ " Cheese Head I.M.Sc. gross	0	7	0
12865	2.	No. 6 B. & S. (1620) R. C. cable with sleeve terminals ... each	0	1	0
31	6.	Washer for No. O.B.A. fixing screws ... ..per 100	0	0	9
12866	4.	Sleeve terminal ... .. doz.	0	4	6
<b>Brake Drum Parts.</b>					
14554	1.	Treated ash cylinder, complete with clamping rings... .. each	0	15	0
12868	1.	Steel collar, complete with pins ... .. „	0	3	3
12869	1.	Sleeve terminal ... .. doz.	0	4	6
14555	1.	Sleeve terminal with 6" connecting cable ... .. each	0	1	3
14556	1.	Rings 1 and 5 power side, complete with connecting strip ... „	0	2	3
14557	1.	1 cre. 2 and 6 „ „ „ „ „ „	0	2	3
14558	8.	1/2 3 and 4 „ „ „ „ „ „	0	2	0
14559	2.	1, 2, 3, or 4, 5, 6 brake side „ „ „ „ „ „	0	2	3
14560	2.	Act. 1 and 5 power side $\frac{1}{8}$ " x $\frac{5}{8}$ " x $7\frac{3}{4}$ " ... .. „	0	0	11
14561	2.	C. 2 and 6 „ $\frac{1}{8}$ " x $\frac{5}{8}$ " x $7\frac{3}{4}$ " ... .. „	0	0	11
14562	2.	D. 3 and 4 „ $\frac{1}{8}$ " x $\frac{5}{8}$ " x $7\frac{3}{4}$ " ... .. „	0	0	11
14563	2.	Dr. 1 and 4 brake side $\frac{1}{8}$ " x $\frac{5}{8}$ " x $4\frac{3}{4}$ " ... .. „	0	0	7
14564	2.	Ma. 2 and 5 „ $\frac{1}{8}$ " x $\frac{5}{8}$ " x $4\frac{3}{4}$ " ... .. „	0	0	7
14565	2.	S. 3 and 6 „ $\frac{1}{8}$ " x $\frac{5}{8}$ " x $4\frac{3}{4}$ " ... .. „	0	0	7
12881	30.	$\frac{3}{8}$ " screws for segments, No. 10 Flat Head brass wood screw			
	1.	1" long ... .. doz.	0	0	3
12882	2.	Brake connecting piece, $\frac{1}{8}$ " x $\frac{3}{8}$ " x $6\frac{3}{8}$ " developed length ... each	0	0	6
12883	5	„ „ „ $\frac{1}{8}$ " x $\frac{3}{8}$ " x $2\frac{1}{4}$ " „ „ „ „	0	0	4
3074	14.	Cover rivets, round head, $\frac{3}{16}$ " x $\frac{3}{8}$ " ... ..per 100	0	1	2
<b>Wiring.</b>					
12887	1.	1. B. & S. (2043) R.C. cable, 4" long, No. 3 main drum to No. 3 main drum ... .. each	0	0	4
12893	1.	2. B. & S. (162) R.C. cable 4" long, F 1—main drum to main drum ... .. each	0	0	2
12888	1.	3. B. & S. (162) R.C. cable, 1' 1" long, No. 3 main drum to No. 3 blow-out coil ... .. each	0	0	5
14566	1.	4. B. & S. (162) R.C. cable, 1' 6" long, No. 3 main drum to No. 3 brake drum ... .. each	0	0	7
12890	1.	5. B. & S. (162) R.C. cable 3' 3" long, + 2 main drum to No. 2 reverse drum ... .. each	0	1	3
14567	1.	6. B. & S. (162) R.C. cable, 3' 4" long, + 1 reverse drum to No. 1 brake drum ... .. each	0	2	3
14568	1.	7. B. & S. (162) R.C. cable, 3' 4", coil connecting wire... .. „	0	2	3
14569	1.	8. B. & S. (162) R.C. cable, 3' 9",—1 reverse drum to—1 brake drum ... .. each	0	1	3
12894	1.	9. B. & S. (162) R.C. cable, 4' 1"—2 reverse drum to—2 brake drum ... .. each	0	1	6
12896	1.	10. Board cleat for 3 wires ... .. „	0	0	2
12897	1.	„ „ „ 2 „ „ „ „ „ „ „ „	0	0	2
12898	1.	„ „ „ 1 wire ... .. „	0	0	2
12899	5.	Fixing screws for cleat, No. 2 B.A. x $\frac{3}{8}$ " round head, I.M.Sc. gross	0	4	0

Order by Style Number.