

Part Catalogue No. 6218

September, 1923

For prices refer to Catalogue 10-A or apply to nearest District Office

PARTS OF
Westinghouse
Types CO-11 and CO-22
Oil Circuit-Breakers

Electrically Operated, Cell Mounting
600-2000 Amperes, 25,000 Volts

When ordering parts, specify the Stock Order Number or Style Number
of the complete breaker as stamped on the nameplate

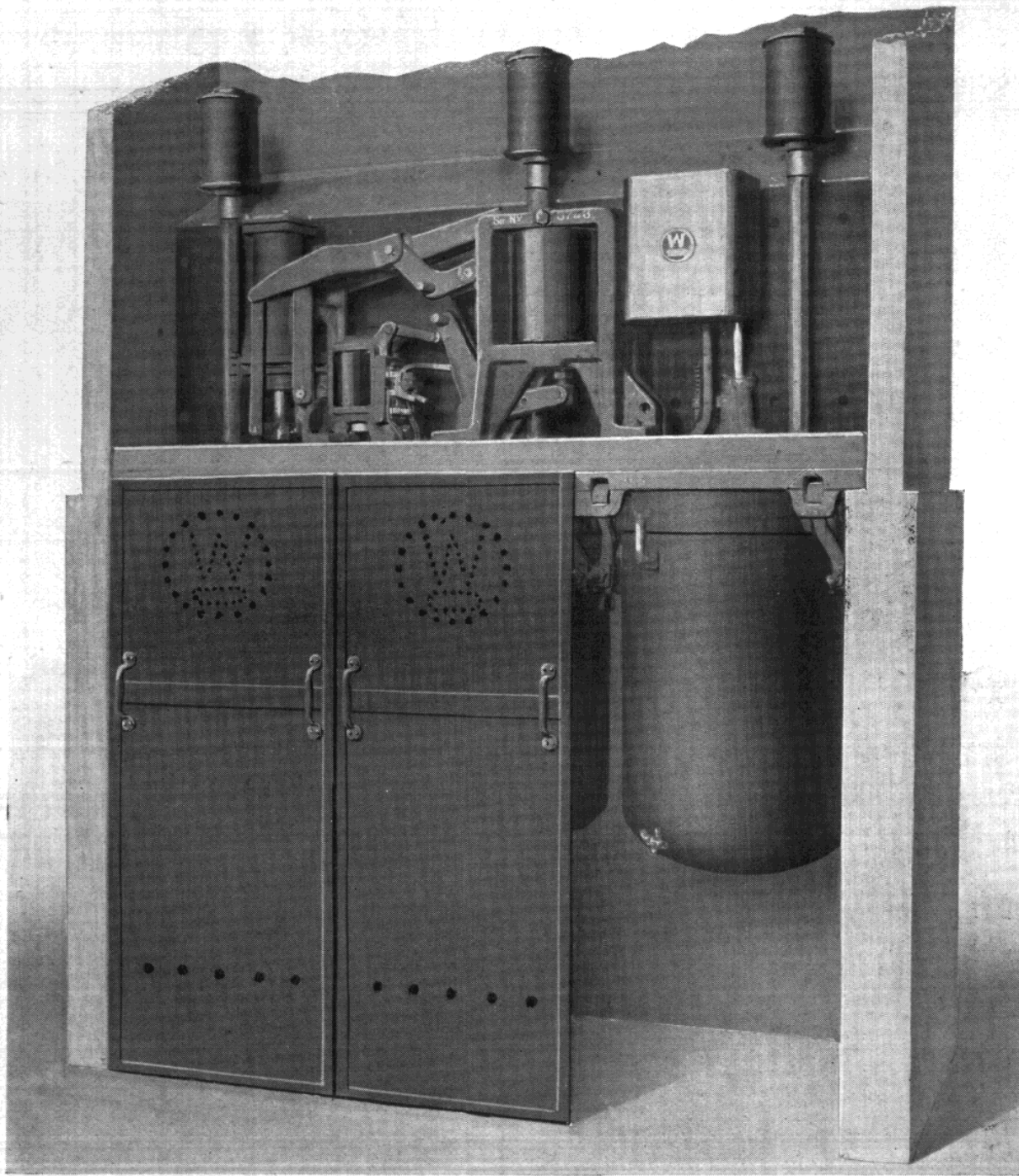
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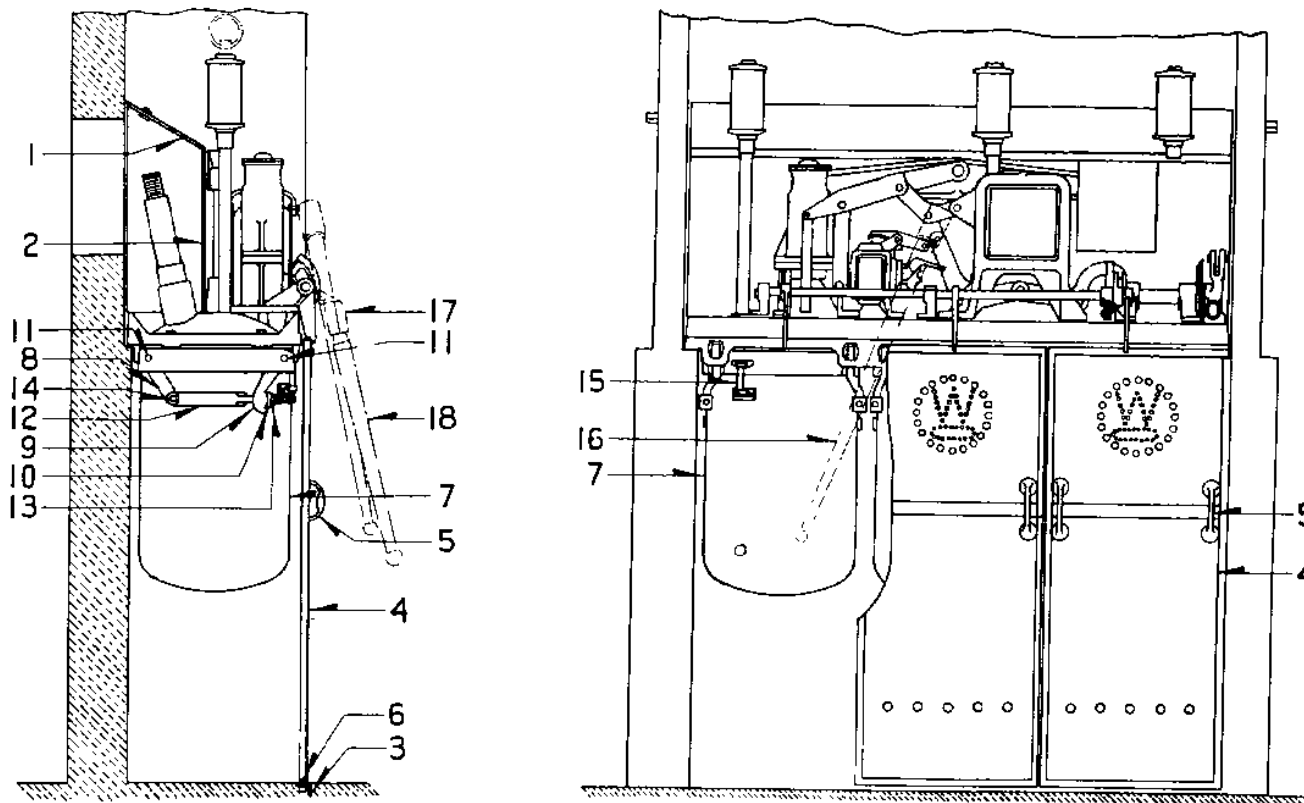


WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY
East Pittsburgh, Pa.
Printed in U.S.A.



TYPE CO-22 OIL CIRCUIT-BREAKER

COVERS, DOORS, OIL TANKS AND DETAILS



ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
1	384973	1	Sheet steel top cover
*	384974	1	Sheet steel partition
*	384976	2	Angle iron support, for top cover and partition
*	.....	18	Rivet, $\frac{5}{16}$ " x $\frac{3}{4}$ " (standard hardware), to fasten support to top cover
*	384979	8	Cold rolled steel support for bottom of partition
2	384980	1	Sheet steel front cover, used with interlock
2	384975	1	Sheet steel front cover, used without interlock
*	384981	2	Angle iron support to fasten partition to front cover
*	.....	11	Tap bolt, $\frac{5}{16}$ " x $\frac{1}{2}$ " (standard hardware), to fasten front and top covers to angle iron supports
*	3272	11	Iron washer, for tap bolt
*	384971	1	Angle iron support to fasten top cover to cell
*	384970	1	Angle iron support at base of mechanism
3	384972	1	Angle iron support, for Type CO-11
3	385037	1	Angle iron support, for Type CO-22
4	384982	3	Hanging asbestos door complete, for Type CO-11
4	385038	3	Hanging asbestos door complete, for Type CO-22
*	333389	6	Door hook
*	.....	6	Hexagon iron nut, $\frac{5}{16}$ "-18 (standard hardware), for door hook
*	.....	6	Lock washer, $\frac{5}{16}$ " (standard hardware), for door hook
5	243201	6	Handle, for door
*	.....	24	Counter sunk head copper rivet, $\frac{3}{16}$ " x $\frac{5}{8}$ " (standard hardware), for handle
*	3424	150	Washer, for rivet
6	384983	6	Stud, for bottom of door
*	.....	6	Hexagon iron nut, $\frac{3}{8}$ "-16 (standard hardware), for stud
*	.....	6	Lock washer, $\frac{3}{8}$ " (standard hardware), for stud
7	389312	3	Oil tank complete, for Type CO-11
7	389313	3	Oil tank complete, for Type CO-22
*	.....	3	Anchor flax packing, $\frac{3}{8}$ " square x 52" for top of oil tank, for Type CO-11
*	.....	3	Anchor flax packing, $\frac{3}{8}$ " square x 65", for top of oil tank, for Type CO-22
*	384968	3	Oil tank lining, micarta, for Type CO-11
*	385033	3	Oil tank lining, micarta, for Type CO-22
*	384969	3	Oil tank lining, bakelized asbestos, for Type CO-11
*	385034	3	Oil tank lining, bakelized asbestos, for Type CO-22
8	384963	3	Locking lever for oil tank, left hand front
8	384965	3	Locking lever for oil tank, left hand rear
9	384964	3	Locking lever for oil tank, right hand front
9	384966	3	Locking lever for oil tank, right hand rear

*Not illustrated.

COVERS, DOORS, OIL TANKS AND DETAILS—Continued

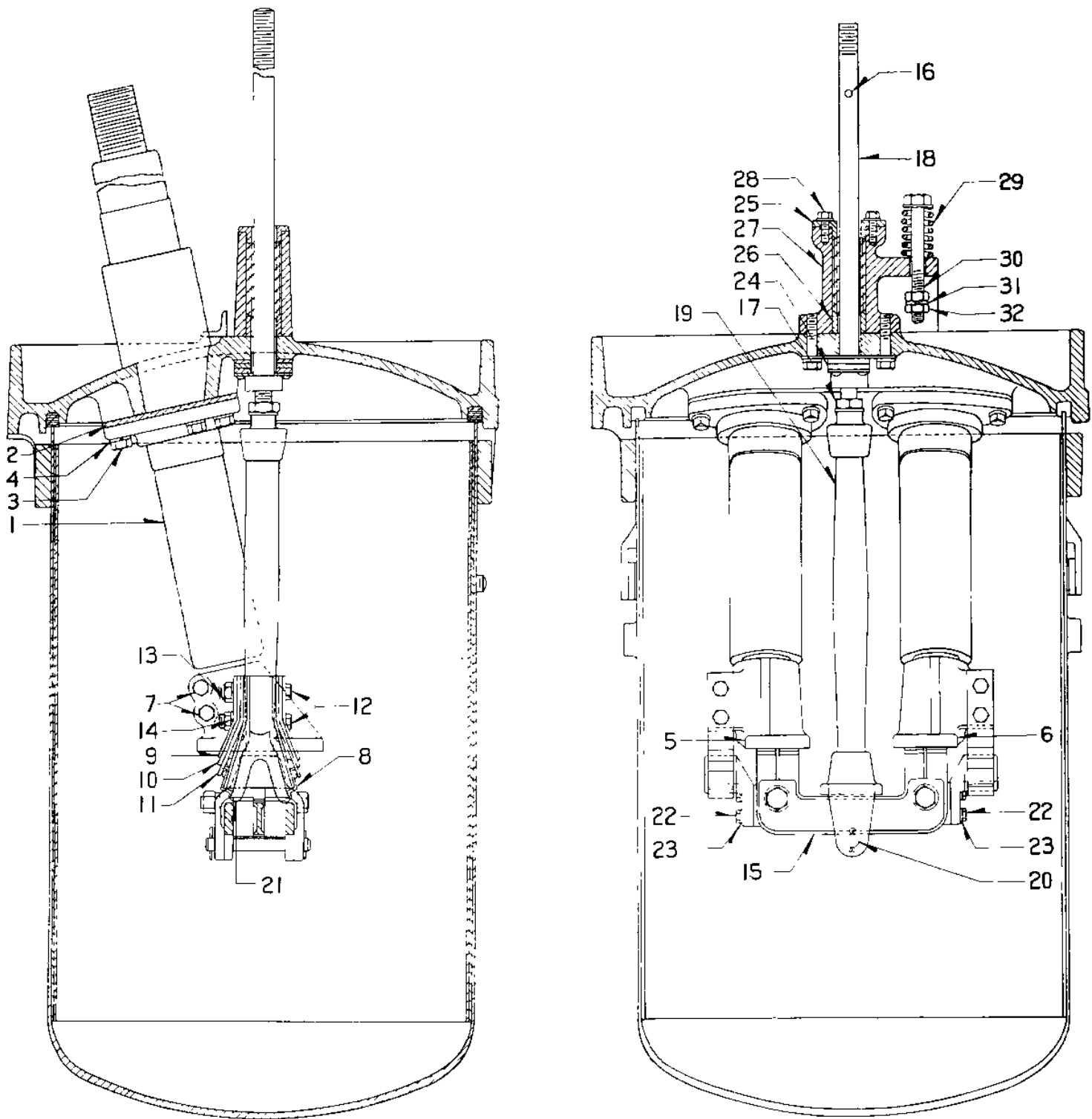
Parts Illustrated on Page 3

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
10	384967	6	Washer, for locking lever
11	389301	12	Pin, for locking lever bearing
12	384962	6	Supporting rod for oil tank, for Type CO-11
12	385032	6	Supporting rod for oil tank, for Type CO-22
13	.....	6	Hexagon iron nut, $\frac{3}{4}$ "-10 (standard hardware), for supporting rod
14	389300	6	Pin, for locking lever and supporting rod
*	375522	3	Oil gauge flange
15	375283	3	Oil gauge
*	375521	6	Elbow for oil gauge
*	111968	3	Indicating tube
*	111973	3	Glass tube
*	111980	6	Washer, for glass tube
*	384961	3	Gate valve
16	276436	1	Breaker hand closing lever complete
17	247186	1	Breaker hand closing lever, end casting
18	199488	1	Breaker hand closing lever, handle

*Not illustrated.

STATIONARY CONTACTS AND DETAILS



ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
1	385025	3	Stationary contact complete, left hand, for 600 and 1200 amperes
1	385024	3	Stationary contact complete, right hand, for 600 and 1200 amperes
1	385021	3	Stationary contact complete, left hand, for 1600 amperes
1	385020	3	Stationary contact complete, right hand, for 1600 amperes
1	385031	3	Stationary contact complete, left hand, for 2000 amperes
1	385028	3	Stationary contact complete, right hand, for 2000 amperes
2	389307	3	Bronze filling piece, used between stationary contact and mechanism base, for Type CO-11
2	389315	3	Bronze filling piece, used between stationary contact and mechanism base, for Type CO-22
3	.....	24	Tap bolt, 1/2"x2" (standard hardware), to fasten terminal clamp ring and bronze filling piece to base

STATIONARY CONTACTS AND DETAILS—Continued

Parts Illustrated on Page 5

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
4	.....	24	Lock washer, 1/2" (standard hardware), for tap bolt
5	385027	3	Copper contact foot, for stationary contact, Style No. 385025
5	385022	3	Copper contact foot, for stationary contact, Style No. 385021
5	385030	3	Copper contact foot, for stationary contact, Style No. 385031
6	385026	3	Copper contact foot, for stationary contact, Style No. 385024
6	385023	3	Copper contact foot, for stationary contact, Style No. 385020
6	385029	3	Copper contact foot, for stationary contact, Style No. 385028
7	.....	12	M.B. Tap bolt, 1/2"-13x2-3/4" (standard hardware), to fasten copper contact foot to stationary contact
*	.....	12	Lock washer, 1/2" (standard hardware), for tap bolt
*	.....	12	Hexagon iron nut, 1/2"-13 (standard hardware), for tap bolt
8	389306	6	Copper contact tip with flat springs, shunt and assembling details
9	333130	12	Flat spring, short
10	333129	12	Flat spring, medium
11	390958	12	Flat spring, long
12	.....	12	Tap bolt, 1/2"-13x2 1/2" (standard hardware), to fasten flat springs and contact tip to contact foot
13	.....	12	Hexagon iron nut, 1/2"-13 (standard hardware), for tap bolt
14	.....	12	Lock washer, 1/2" (standard hardware), for tap bolt

Moving Contacts and Details

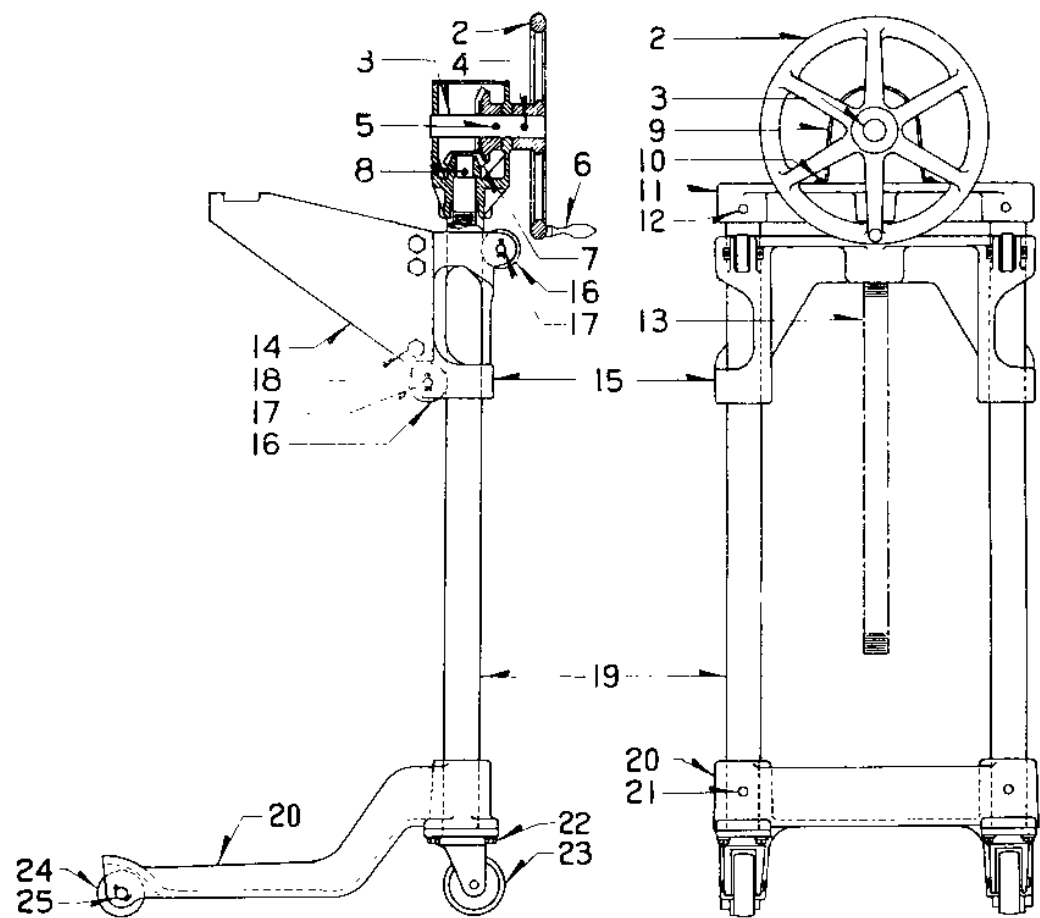
15	375582	3	Moving contact complete for 600 and 1200 amperes, for Type CO-11
15	389434	3	Moving contact complete for 600 and 1200 amperes, for Type CO-22
15	375583	3	Moving contact complete for 1600 amperes, for Type CO-11
15	389435	3	Moving contact complete for 1600 amperes, for Type CO-22
15	375584	3	Moving contact complete for 2000 amperes, for Type CO-11
15	389436	3	Moving contact complete for 2000 amperes, for Type CO-22
16	333202	3	Steel pin, 1/4"x2 1/8", to fasten lifting rod in operating beam
17	.....	3	Iron lock nut, 3/4"-10 (standard hardware), for lifting rod
18	389304	3	Lifting rod
19	389303	3	Wooden strain rod, with rod ends, for Type CO-11
19	389314	3	Wooden strain rod, with rod ends, for Type CO-22
20	333199	3	Bronze pin, 5/8"x5" to fasten wooden strain rod to moving contact
21	389305	6	Moving contact arcing tip
22	.....	12	Tap bolt, 3/8"-16x1 1/8" (standard hardware), to fasten arcing tip to moving contact
23	.....	12	Lock washer, 3/8" (standard hardware), for tap bolt

Moving Contact Bumper and Details

24	389310	3	Bumper complete
25	389308	3	Top packing seat for bumper
26	389309	3	Bottom packing seat for bumper
27	380253	1	Bumper casting, right hand
27	380254	2	Bumper casting, left hand
28	.....	6	Tap bolt, 3/8"-16x1" (standard hardware), to fasten top packing seat to bumper casting
*	.....	6	Lock washer, 3/8" (standard hardware), for tap bolt
*	.....	1 set	Lamp wick packing, for bumper
29	389299	1	Bumper spring
30	.....	2	Tap bolt, 5/8"-11x5 1/2" (standard hardware), to hold bumper spring in position
31	.....	2	Lock washer, 5/8" (standard hardware), for tap bolt
32	.....	4	Hexagon iron nut, 5/8"-11 (standard hardware), for tap bolt

*Not illustrated.

TRUCK TYPE TANK LIFTER AND DETAILS



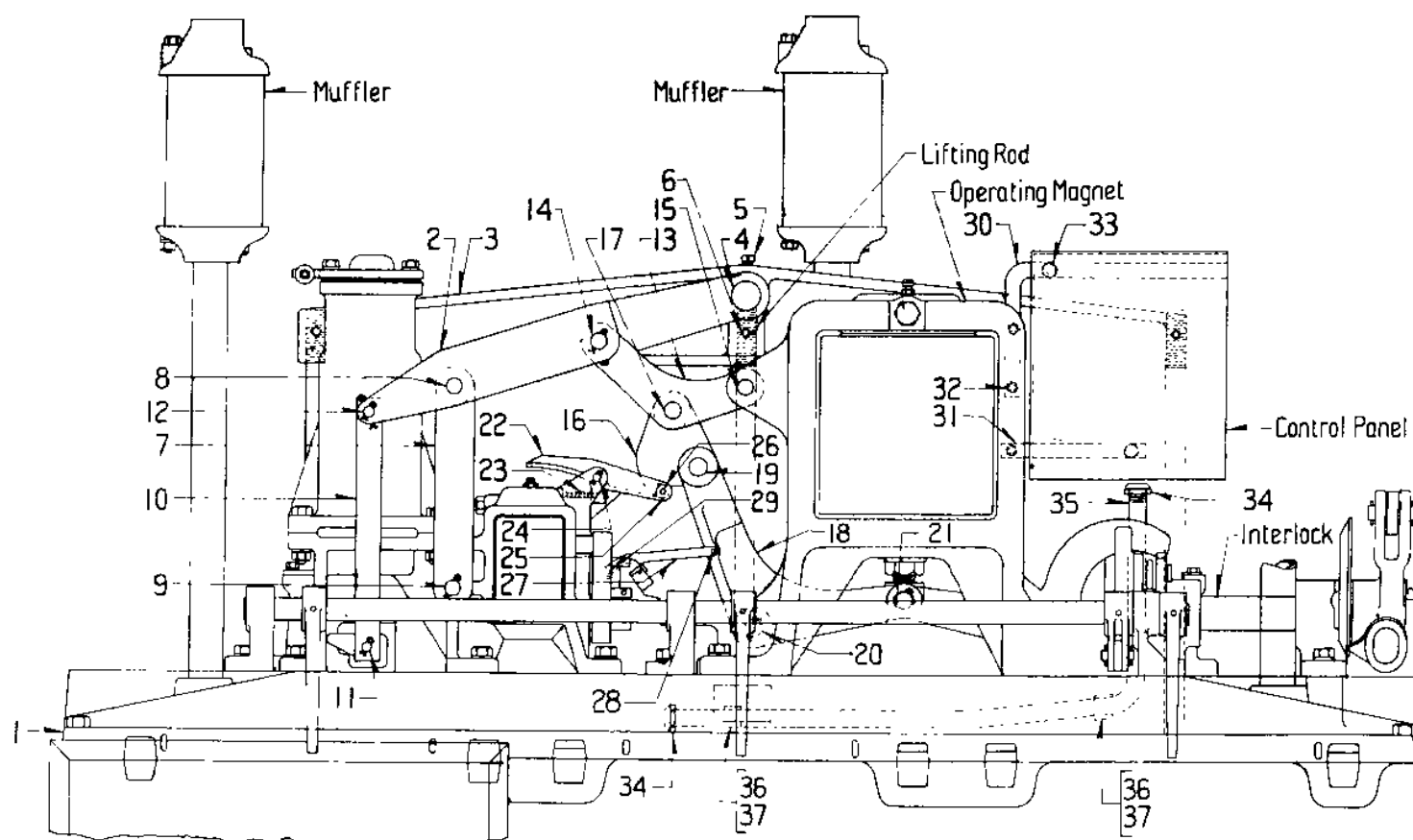
REFERENCE NO. 1

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No per Lifter	Description
1	362938	..	Truck type tank lifter complete, for Type CO-11
1	362939	..	Truck type tank lifter complete, for Type CO-22
2	333156	1	Hand wheel, for Type CO-11
2	385046	1	Hand wheel, for Type CO-22
3	385013	1	Shaft for hand wheel, for Type CO-11
3	385047	1	Shaft for hand wheel, for Type CO-22
4	.....	1	Taper pin, No. 5x2 ¹ / ₂ " (standard hardware), for Type CO-11
5	.....	1	Taper pin, No. 7x3" (standard hardware), to fasten bevel gear to hand wheel shaft
6	333157	1	Handle, for hand wheel
7	385012	1	Bevel gear
8	.....	1	Taper pin, No. 7x2 ¹ / ₄ " (standard hardware), to fasten bevel gear to screw shaft
9	385009	1	Gear cover
10	.....	4	Fillister head iron machine screw, No. 14-24x ⁵ / ₈ " (standard hardware), to fasten gear cover on gear bracket
11	385002	1	Gear bracket, for Type CO-11
11	385044	1	Gear bracket, for Type CO-22
12	385003	2	Rivet
*	385005	1	Bushing, at top of screw shaft
13	385007	1	Screw shaft
14	385006	2	Lifting arm
15	385004	1	Supporting bracket for tank lifter, for Type CO-11
15	385045	1	Supporting bracket for tank lifter, for Type CO-22
16	385011	4	Roller, for lifting bracket
17	87676	4	Shaft, for lifting bracket roller
18	.....	6	Tap bolt, ⁵ / ₈ "-11x2" (standard hardware), for Type CO-11
*	.....	6	Lock washer, ⁵ / ₈ " (standard hardware), for tap bolt
18	.....	6	Tap bolt, ⁵ / ₈ "-11x2 ¹ / ₈ " (standard hardware), for Type CO-22
*	.....	6	Hexagon iron nut, ⁵ / ₈ "-11 (standard hardware), for tap bolt
19	385008	2	Wrought iron pipe support
20	385041	1	Bracket for tank lifter, for Type CO-11
20	385043	1	Bracket for tank lifter, for Type CO-22
21	385042	2	Rivet
22	.....	8	M.B. tap bolt, ³ / ₈ "-16x1" (standard hardware), for Ref. No. 23
*	3428	8	Washer, for tap bolt
*	107314	8	Lock washer, for tap bolt
23	385001	4	Truck castor, for front of tank lifter
24	385010	2	Truck roller, for rear of tank lifter
25	63634	2	Shaft, for truck roller

*Not illustrated.

OPERATING MECHANISM DETAILS



ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
1	385265	1	Mechanism base casting, for Type CO-11
1	385035	1	Mechanism base casting, for Type CO-22
2	333110	1	Main operating lever
3	380428	1	Operating beam, for Type CO-11
3	385036	1	Operating beam, for Type CO-22
4	333111	1	Shoulder pin, to connect main operating lever to operating beam
5	333240	1	Square head set screw, $\frac{5}{16}$ "x1 $\frac{1}{2}$ ", to fasten shoulder pin in operating beam
6	...	3	Set screw, No. 14-24x $\frac{3}{4}$ " (standard hardware), to fasten lifting rods in operating beam, for Type CO-11
7	333113	1	Motion link casting
8	333114	1	Steel hinge pin, $\frac{7}{8}$ "x9 $\frac{1}{4}$ ", to connect motion link to main operating lever
9	333115	1	Steel hinge pin, $\frac{7}{8}$ "x8 $\frac{1}{8}$ ", to fasten motion link to dash pot cylinder base
10	333095	2	Dash pot operating link
11	333096	2	Steel hinge pin, $\frac{1}{2}$ "x1 $\frac{3}{8}$ " to connect dash pot operating link to piston rod cross head
12	116390	2	Steel hinge pin, $\frac{1}{2}$ "x2", to connect dash pot operating link to main operating lever
13	333097	1	Toggle lever casting
14	333100	1	Steel hinge pin, $\frac{7}{8}$ "x3 $\frac{3}{4}$ ", to connect toggle lever to main operating lever
15	333104	1	Steel hinge pin, $\frac{7}{8}$ "x3 $\frac{1}{8}$ ", to connect toggle lever to magnet frame
16	333098	1	Locking link
17	333101	1	Steel hinge pin, $\frac{1}{2}$ "x5 $\frac{1}{4}$ ", to connect locking link to toggle lever casting
18	333099	1	Bell crank
19	333102	1	Steel hinge pin, $\frac{1}{2}$ "x5 $\frac{1}{8}$ ", to connect bell crank to locking link
20	333103	1	Steel hinge pin, $\frac{7}{8}$ "x6 $\frac{1}{8}$ ", to connect bell crank to magnet frame
21	125685	1	Steel hinge pin, $\frac{3}{4}$ "x3 $\frac{3}{8}$ ", to connect bell crank to magnet plunger bolt
22	333105	1	Tripping magnet latch lever
23	389311	1	Compression spring for latch lever
24	48761	1	Steel hinge pin, $\frac{3}{8}$ "x3", to fasten latch lever to tripping magnet
25	271427	1	Steel roller, $\frac{3}{4}$ " diameter, to engage with locking link
26	88899	1	Steel roller pin, $\frac{5}{16}$ "x1 $\frac{1}{16}$ "
27	333074	1	Operating link to connect signal switch to bell crank
28	123492	1	Pin to fasten operating link to bell crank
29	256358	1	Steel hinge pin, $\frac{1}{4}$ "x1", to fasten operating link to signal switch

OPERATING MECHANISM DETAILS—Continued

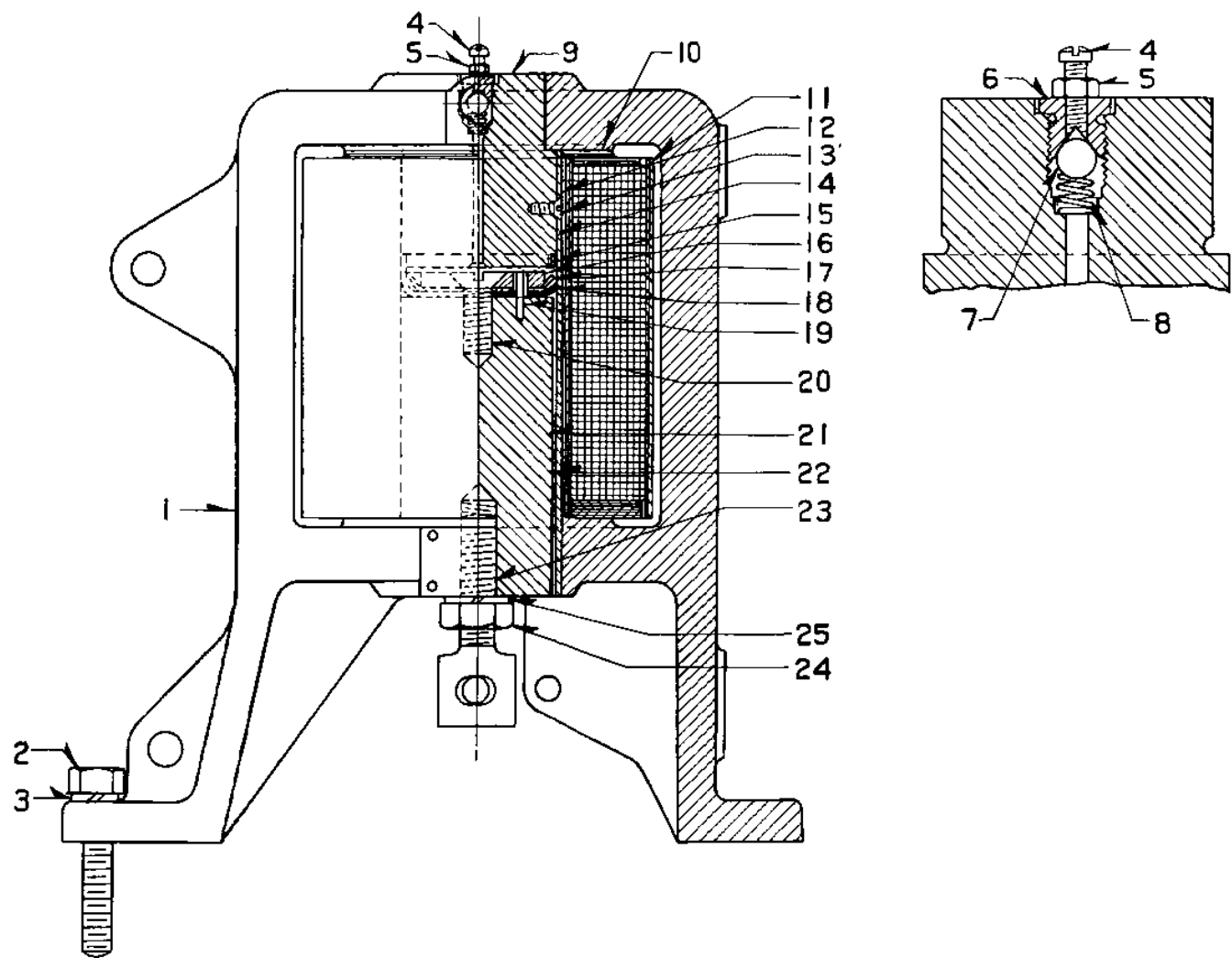
Parts Illustrated on Page 8

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No per. Breaker	Description
30	380429	1	Long support for control panel
31	384960	1	Short support for control panel
*	.....	3	Spacer, made from $\frac{3}{8}$ "x1 $\frac{3}{8}$ " long W.I. pipe
32	.....	3	Flat head iron machine screw, $\frac{5}{16}$ "-18. (standard hardware), to fasten control panel supports to magnet frame
*	.....	3	Lock washer, $\frac{5}{16}$ " (standard hardware), for machine screw
33	.....	3	Flat head iron machine screw, $\frac{3}{8}$ "-16 (standard hardware), to fasten control panel to supports
*	.....	3	Lock washer, $\frac{3}{8}$ " (standard hardware), for machine screw
*	.....	3	Washer, $\frac{3}{8}$ " (standard hardware), for machine screw
34	.....	2	Conduit bushing, $\frac{3}{4}$ " (standard hardware)
35	.....	1	Conduit, $\frac{3}{4}$ "x40" long, (standard hardware)
*	.....	1	Cable of .0808 wire No. 2263 for conduit
36	146516	2	Conduit cleat
37	.....	2	Fillister head iron machine screw, No. 14-24x $\frac{3}{16}$ " (standard hardware), for conduit cleat

*Not illustrated.

OPERATING MAGNET AND DETAILS

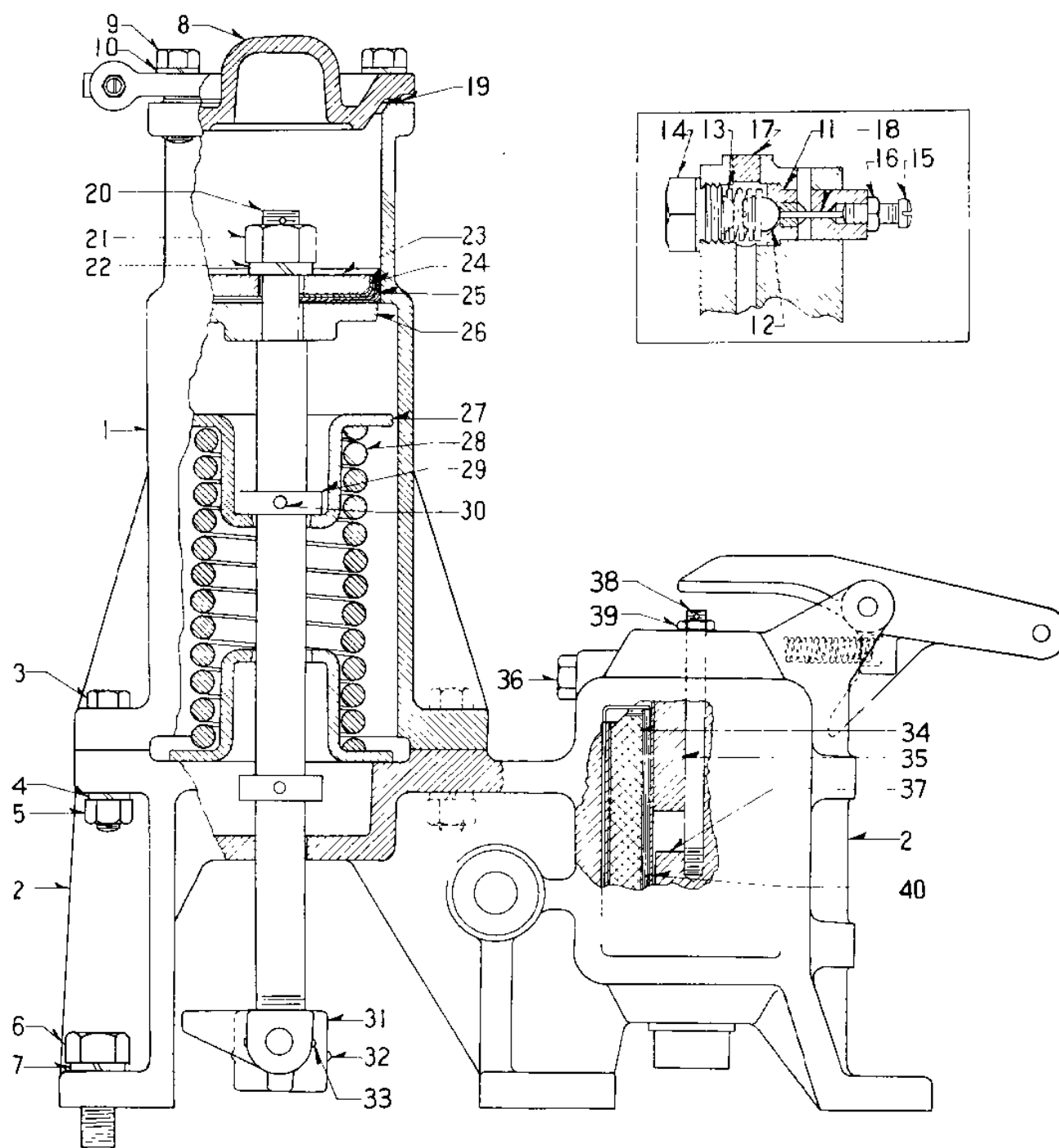


ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
1	380394	1	Magnet frame casting
2	.....	4	Tap bolt, 5/8"-11x2" (standard hardware), to fasten magnet frame casting to mechanism base
3	.....	4	Lock washer, 5/8" (standard hardware), for tap bolt
4	277826	1	Brass adjusting screw for air valve
5	.....	1	Machine screw nut, No. 20-18 (standard hardware), for adjusting screw
6	185454	1	Brass air valve plug
7	184519	1	Brass ball for air valve
8	198929	1	Compression spring for air valve
9	264230	1	Magnet core
*	.....	2	Tap bolt, 3/4"-10x3" (standard hardware), to fasten stationary contact to magnet frame
*	.....	2	Lock washer, 3/4" (standard hardware), for tap bolt
10	333086	..	Fuller board washer
11	.....	1	Operating coil. Give stock order number of breaker when ordering coil
12	333083	1	Brass sleeve for magnet core
13	.....	1	Flat head iron machine screw, No. 14-24x1 1/2", (standard hardware), to fasten brass sleeve to magnet core
14	273334	1	Stationary core and brass sleeve complete
15	.....	1	Flax packing, 3/8" square x 13" long, (standard hardware)
16	271438	1	Piston follower
17	189929	1	Piston leather expander
18	333085	1	Piston leather
19	151006	1	Steel pin, 3/16"x1 1/4" to prevent piston leather, expander and follower from turning
20	117211	1	Special flat head screw, to fasten piston leather, expander and follower to magnet plunger
21	225439	1	Magnet plunger
22	333084	1	Moving core complete
23	272930	1	Operating bolt, for magnet plunger
24	255993	1	Hexagon iron nut, for operating bolt
25	85635	1	Lock washer, for operating bolt

*Not illustrated.

DASH POT CYLINDER AND TRIPPING MAGNET DETAILS



ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
1	333117	1	Dash pot cylinder casting
2	333116	1	Dash pot cylinder base and tripping magnet frame
3	.....	4	M.B. Tap bolt, $\frac{1}{2}$ "-13x2 $\frac{1}{2}$ " (standard hardware), to fasten dash pot cylinder to cylinder base
4	.....	4	Lock washer, $\frac{1}{2}$ " (standard hardware), for tap bolt
5	.....	4	Hexagon iron nut, $\frac{1}{2}$ "-13 (standard hardware), for tap bolt
6	.....	12	Tap bolt, $\frac{5}{8}$ "x1 $\frac{3}{4}$ " (standard hardware), to fasten cylinder base and tripping magnet frame to mechanism base
7	.....	12	Lock washer, $\frac{5}{8}$ " (standard hardware), for tap bolt
8	230342	1	Dash pot cylinder head casting
9	.....	4	Tap bolt, $\frac{1}{2}$ "x1 $\frac{1}{2}$ " (standard hardware), to fasten cylinder head to dash pot cylinder
10	.....	4	Lock washer, $\frac{1}{2}$ " (standard hardware), for tap bolt
11	214139	1	Brass valve bushing
12	185236	1	Valve
13	198929	1	Valve spring
14	68776	1	Valve cap nut
15	.....	1	Fillister head iron machine screw, No. 10-32x1 $\frac{1}{2}$ " (standard hardware), for adjusting the valve stem
16	40662	1	Brass machine screw nut, for machine screw
17	275056	1	Brass plug, ".204x $\frac{3}{8}$ "
18	187761	1	Valve stem

DASH POT CYLINDER AND TRIPPING MAGNET DETAILS—Continued

Parts Illustrated on Page 11

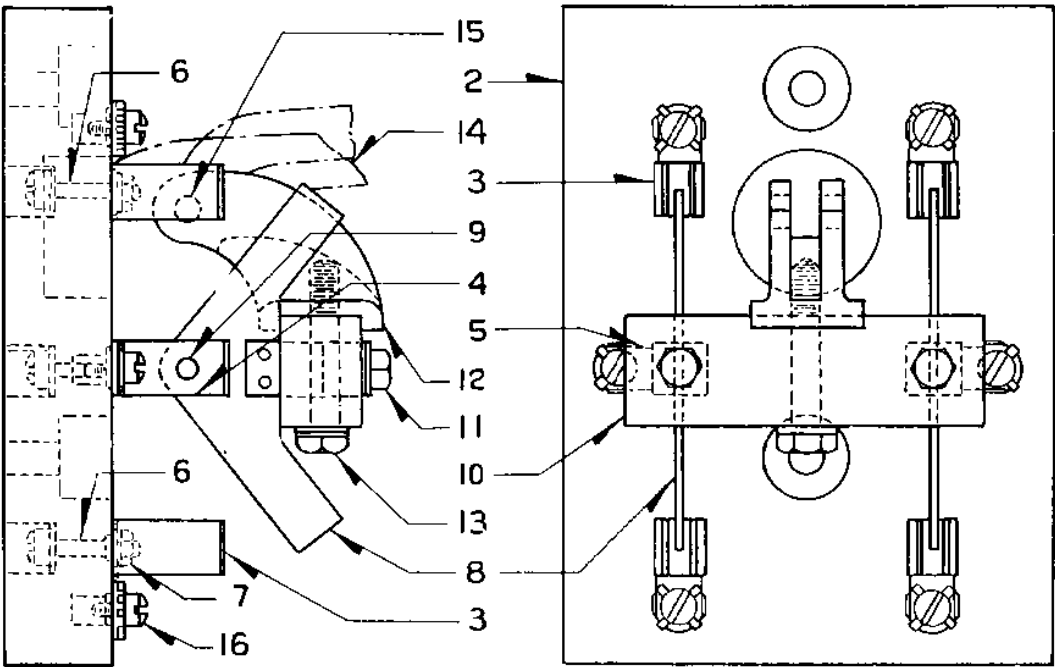
ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
19	122532	2	Paper gasket, used between cylinder head and dash pot cylinder
20	333118	1	Piston rod
21	.....	1	Hexagon iron nut, 3/4"-10 (standard hardware), for piston rod
22	.....	1	Lock washer, 3/4" (standard hardware), for piston rod
23	277547	1	Piston follower washer
24	187120	1	Piston leather expander
25	112506	1	Piston leather
26	272649	1	Piston leather seating washer
27	277556	2	Piston spring holder
28	185330	1	Piston spring
29	277550	2	Steel collar, for piston rod
30	333119	2	Steel pin, 1/4"x1 13/16" long, to fasten collar to piston rod
31	333120	1	Cross head, for piston rod
32	333121	1	Steel pin, 1/8"x2 1/4", to fasten cross head to piston rod
33	333122	2	Rivets, to fasten pins in cross head

Tripping Magnet Details

34	.....	1	Tripping coil. Give stock order number of breaker when ordering coil.
35	333124	1	Stationary magnet core
36	.....	1	M.B. tap bolt, 1/2"-13x2" (standard hardware), to fasten stationary core in magnet frame
37	333125	1	Moving magnet core
38	193688	1	Tripping stud, 5 5/8" long, for moving core
39	46870	1	Brass machine screw nut, for tripping stud
*	141901	1	Steel pin, 1/8"x1 3/4", to fasten tripping stud in moving core
*	40646	1	Brass washer for tripping stud
40	333123	1	Brass sleeve, 6 3/8" long
*	.....	2	Flat head iron machine screw, No. 10-32x3/8", (standard hardware), to hold brass sleeve in position

SIGNAL SWITCH AND DETAILS



REFERENCE NO. 1

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
1	332751	1	Single switch, 2 pole, double throw, 25 amperes, 250 volts
2	333070	1	Slate base, 5 7/8"x4 3/8"x1"
3	236032	4	Break jaw
4	263124	2	Hinge jaw
5	263125	2	Copper cross connector
6	.....	6	Fillister head iron machine screw, No. 10-32x1 7/8" (standard hardware), to fasten break jaw, hinge jaw and cross connector to slate base
7	.....	6	Hexagon iron nut, (standard hardware), for No. 10-32 machine screw
*	3410	6	Iron washer, for machine screw

*Not illustrated.

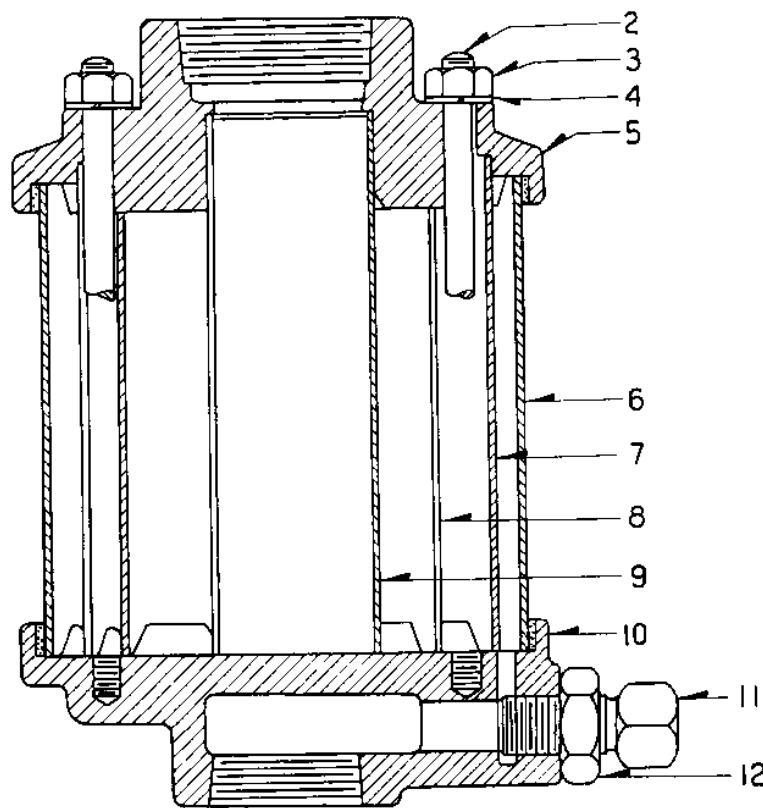
SIGNAL SWITCH AND DETAILS—Continued

Parts Illustrated on Page 12

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Breaker	Description
8	333071	2	Copper switch blade with copper block
9	.....	2	Round head copper rivet, $\frac{1}{8}'' \times \frac{5}{16}''$ (standard hardware), used as a hinge pin for switch blade
10	333072	1	Fibre cross bar
11	.....	2	M.B. tap bolt, $\frac{1}{4}'' \times \frac{7}{8}''$ (standard hardware), to fasten cross bar to switch blade
*	.....	3	Iron washer, $\frac{1}{4}''$ (standard hardware), for tap bolt
*	4000	3	Lock washer, for tap bolt
12	333073	1	Cast iron clevis
13	.....	1	Tap bolt, $\frac{1}{4}'' \times 1\frac{1}{2}''$ (standard hardware), to fasten cast iron clevis to cross bar
*	.....	3	Iron washer, $\frac{1}{4}''$ (standard hardware), for tap bolt
*	4000	3	Lock washer for tap bolt
14	333074	1	Steel link, for operating signal switch
15	256358	1	Steel hinge pin, $\frac{1}{4}'' \times 1''$, for steel link
16	.....	6	Fillister head brass machine screw, No. 10-32x $\frac{1}{2}''$ (standard hardware), used as a terminal post
*	148425	6	Crimped washer, for machine screw
*	.....	2	Fillister head iron machine screw, No. 20-18x $1\frac{1}{8}''$ (standard hardware), to fasten signal switch to tripping coil frame
*	3413	2	Iron washer, for No. 20-18 machine screw

MUFFLER AND DETAILS



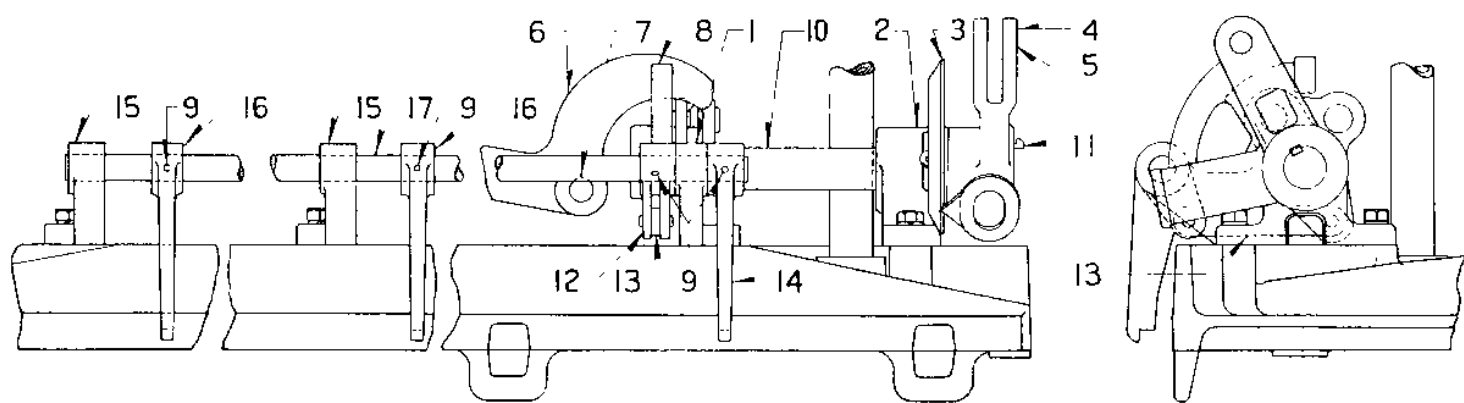
REFERENCE NO. 1

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Muffer	Description
1	398309	..	Muffer complete
*	.....	2	Wrought iron elbow, 2'' (standard hardware), to fit on top of muffer
*	.....	2	Close wrought iron nipple, 2'' (standard hardware), for elbow
*	.....	1	Wrought iron nipple threaded on one end, 2'' x 3'' (standard hardware), for elbow
2	398306	2	Stud bolt, to clamp muffer together
3	.....	2	Hexagon iron nut, $\frac{3}{8}''$ -16 (standard hardware), for stud bolt
4	.....	2	Lock washer, $\frac{3}{8}''$ (standard hardware), for stud bolt
5	398307	1	Cover for muffer
6	398305	1	Outside ring
7	398304	1	Short intermediate ring
8	398303	1	Long intermediate ring
9	398302	1	Inside ring
10	398308	1	Base, for muffer
11	.....	1	Set screw, $\frac{3}{4}''$ -10 x $1\frac{1}{2}''$ (standard hardware), to fit in base
12	.....	1	Lock nut, $\frac{3}{4}''$ -10 (standard hardware), for set screw

*Not illustrated.

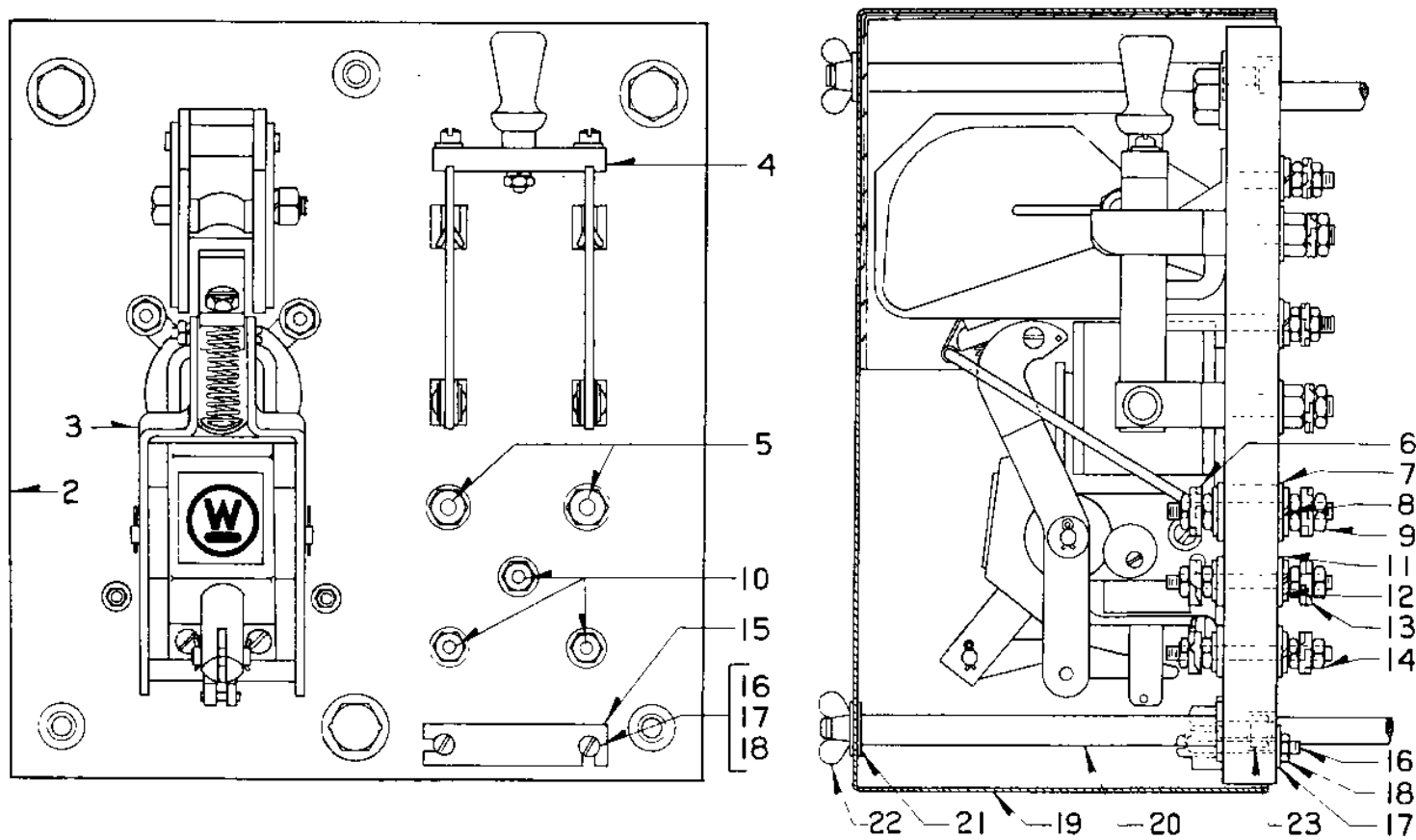
INTERLOCK DETAILS



ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Interlock	Description
1	385039	1	Main bearing
2	384986	1	Main bearing
3	384988	1	Indicator stop
4	384993	1	Interlock operating lever
5	63633	1	Pin, for interlock operating lever
6	384994	1	Main locking lever
*	92736	1	Pin, for main locking lever
7	385000	1	Shaft, for bearing of main locking lever
8	384987	1	Locking cam
9	.....	4	Taper pin, No. 4x2¼" (standard hardware), to fasten door locking lever and toggle lever to shaft
*	.....	1	Taper pin, No 2x1¾" (standard hardware), to fasten collar on shaft
10	384995	1	Shaft, for Type CO-11
10	385040	1	Shaft, for Type CO-22
11	384997	1	Key for shaft, large
*	384996	1	Key for shaft, small
12	384991	1	Toggle lever, for operating auxiliary shaft
13	384999	1	Link, connecting locking cam and toggle levers
14	384989	1	Door locking lever
15	384990	2	Auxiliary bearings
16	384992	2	Door locking lever
17	384998	1	Shaft, for door locking lever

CONTROL PANEL AND DETAILS



REFERENCE NO. 1

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Panel	Description
1	375085	..	Control panel complete, with 125 volt coils
1	375086	..	Control panel complete, with 250 volt coils
1	376371	..	Control panel complete, without coils

*Not illustrated.

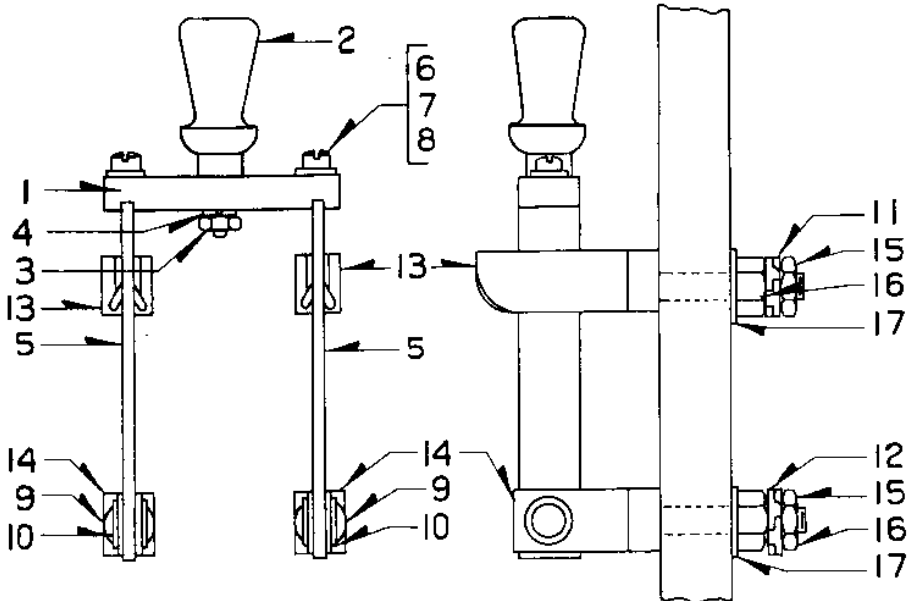
CONTROL PANEL AND DETAILS—Continued

Parts Illustrated on Page 14

ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Panel	Description
*	384953	1	Operating coil, 125 volts
*	384954	1	Operating coil, 250 volts
*	375628	1	Releasing coil, 125 volts
*	375629	1	Releasing coil, 250 volts
2	385048	1	Slate panel
3	398300	1	Type S-1 Control Relay. For details see Part Catalogue No. 6221
4	398301	1	Type A knife switch. 2-pole, single-throw. 100 amperes, 250 volts, direct current
5	361711	2	Copper terminal stud, large
6	163424	8	Iron washer, for terminal stud
7	7458	4	Iron washer, for terminal stud
8	.....	10	Lock washer, 1/4" (standard hardware), for terminal stud
9	46868	8	Hexagon brass nut, for terminal stud
10	361706	3	Copper terminal stud, small
11	3421	6	Washer, for terminal stud
12	4000	6	Lock washer for terminal stud
13	148425	12	Crimped brass washer, for terminal stud
14	40662	12	Hexagon brass nut, for terminal stud
15	199656	1	Fibre wire cleat
16	.....	2	Fillister head iron machine screw, No. 10-32x1 1/2" (standard hardware), to fasten wire cleat to slate panel
17	3410	2	Washer, for machine screw
18	.....	2	Hexagon iron nut, No. 10-32 (standard hardware), for machine screw
19	385051	1	Cover complete
20	385049	3	Stud, for cover
21	7444	12	Washer, for stud
22	197938	3	Wing nut, for stud
23	.....	3	Hexagon iron nut, 1/4" (standard hardware), for stud

Type A Knife Switch, Style No. 398301 and Details



ORDER PARTS BY STYLE NUMBER AND DESCRIPTION

Ref. No.	Style No.	No. per Switch	Description
..	398301	..	Type A knife switch, 2-pole, single-throw, 100 amperes, 250 volts, direct current
1	385050	1	Cross bar
2	293081	1	Handle complete
3	40662	1	Hexagon iron nut, to fasten handle to cross bar
4	4000	1	Lock washer, used under hexagon iron nut
5	189777	2	Switch blade
6	.....	2	Fillister head iron machine screw, No. 10-32x3/4" (standard hardware), to fasten switch blade to cross bar
7	40662	2	Hexagon iron nut, for machine screw
8	3410	2	Washer, to fit between hexagon iron nut and cross bar
9	.....	2	Copper rivet, 1/8"x1/2" (standard hardware), used as a hinge pin for switch blade
10	230883	4	Washer, for rivet
11	23216	4	Terminal clip, for break jaw
12	194512	8	Terminal clip, for hinge jaw
13	189769	2	Break jaw complete
14	189768	2	Hinge jaw complete
15	369094	4	Contact nut, for hinge and break jaws
16	15309	4	Hexagon brass nut, to fasten hinge and break jaws to base
17	3272	4	Iron washer, used under hexagon brass nut

*Not illustrated.

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