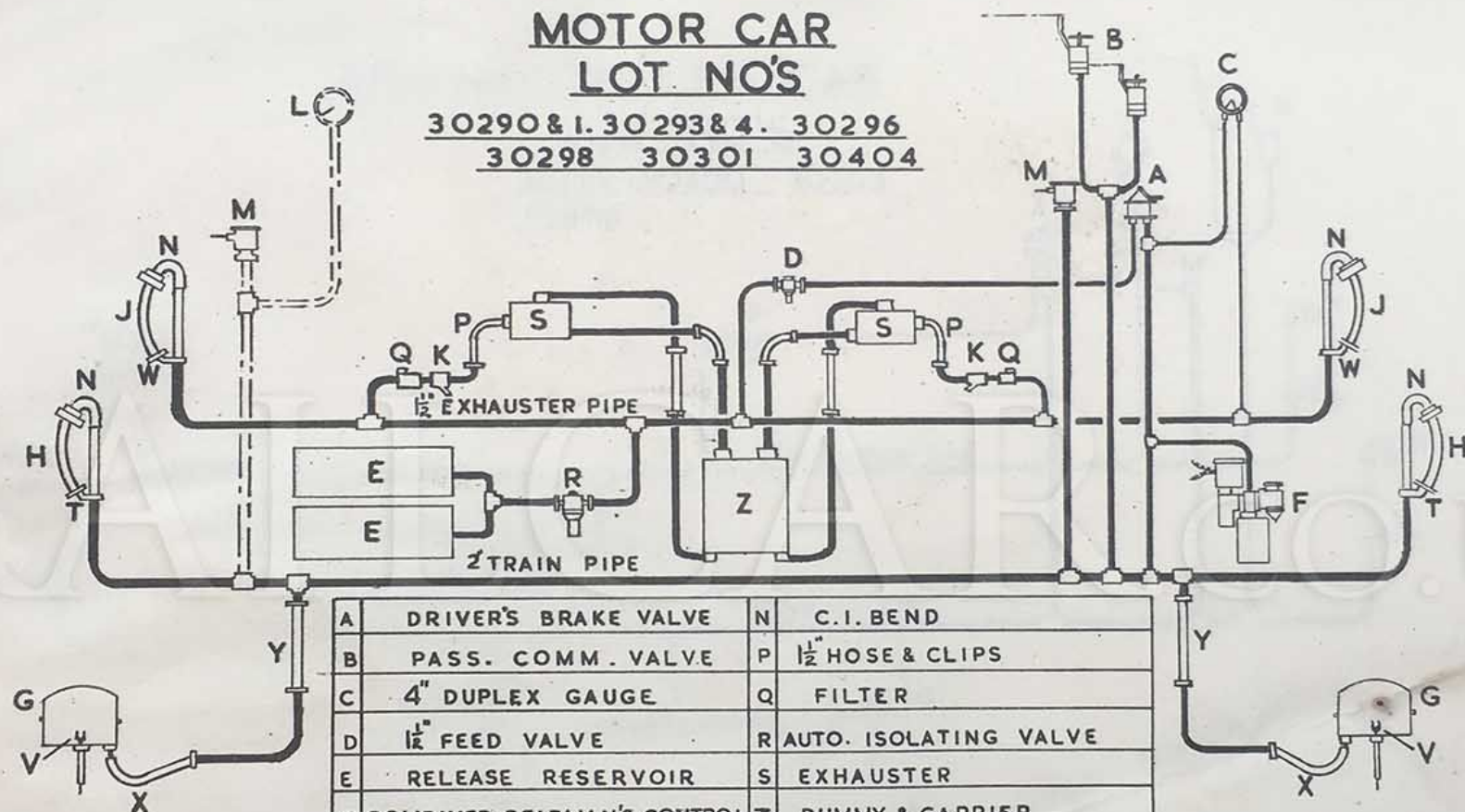


BRAKEWORK
FOR BIRMINGHAM BUILT
DIESEL RAILCARS.



MOTOR CAR LOT NO'S

30290 & 1. 30293 & 4. 30296
30298 30301 30404

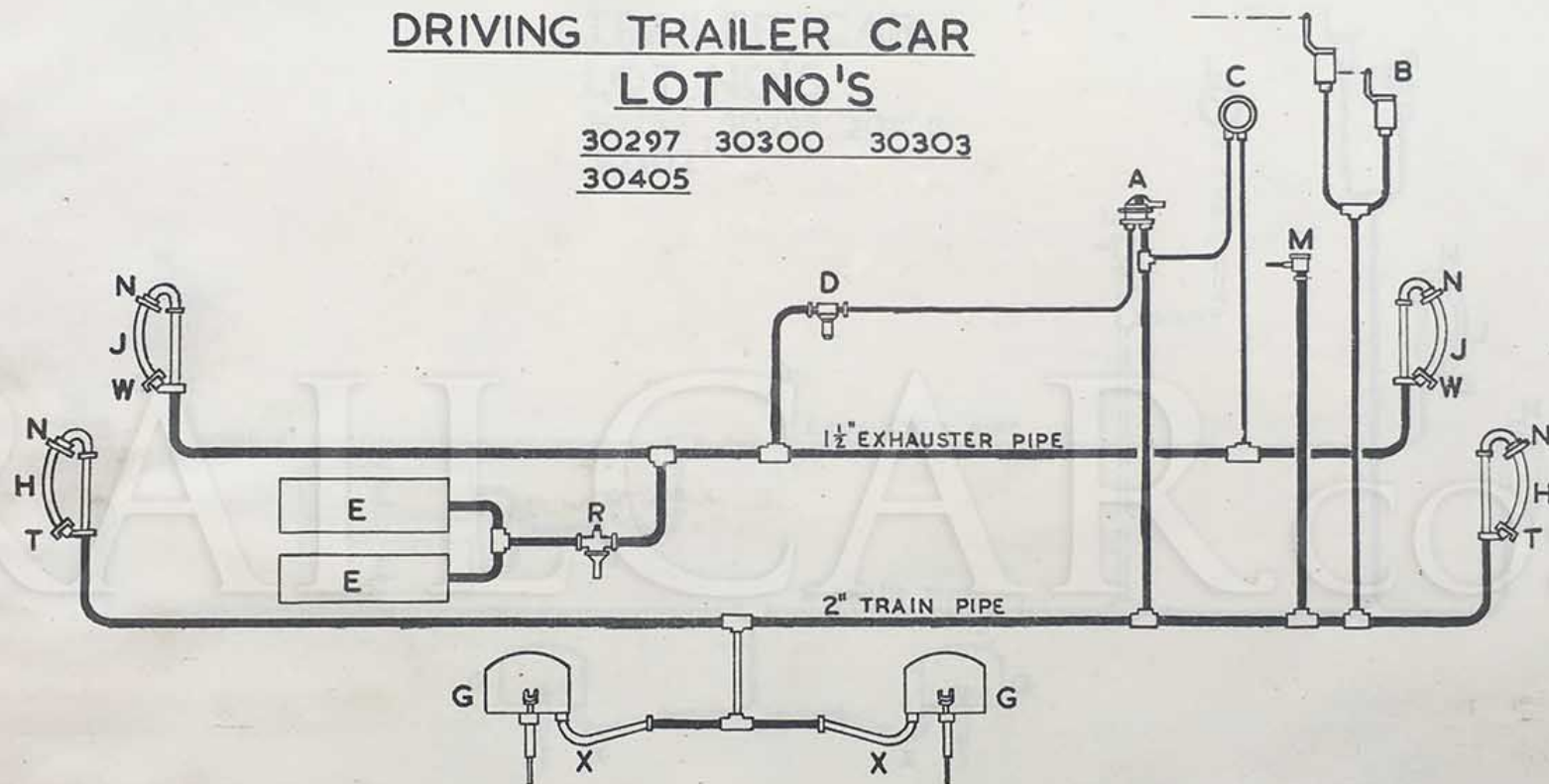


A	DRIVER'S BRAKE VALVE	N	C.I. BEND
B	PASS. COMM. VALVE	P	1 1/2" HOSE & CLIPS
C	4" DUPLEX GAUGE	Q	FILTER
D	1 1/2" FEED VALVE	R	AUTO. ISOLATING VALVE
E	RELEASE RESERVOIR	S	EXHAUSTER
F	COMBINED DEADMAN'S CONTROL	T	DUMMY & CARRIER
G	21" BRAKE CYLINDER	V	RELEASE VALVE
H	2" HOSE & COUPLING	W	DUMMY & CARRIER
J	2" HOSE & COUPLING	X	HOSE & CLIPS
K	1 1/2" NON-RETURN VALVE	Y	3/4" HOSE
L	6" SINGLE GAUGE	Z	OIL SEPARATOR
M	VAN VALVE		

CARRIAGE & WAGON DRAWING
OFFICE
DERBY

DRIVING TRAILER CAR LOT NO'S

30297 30300 30303
30405

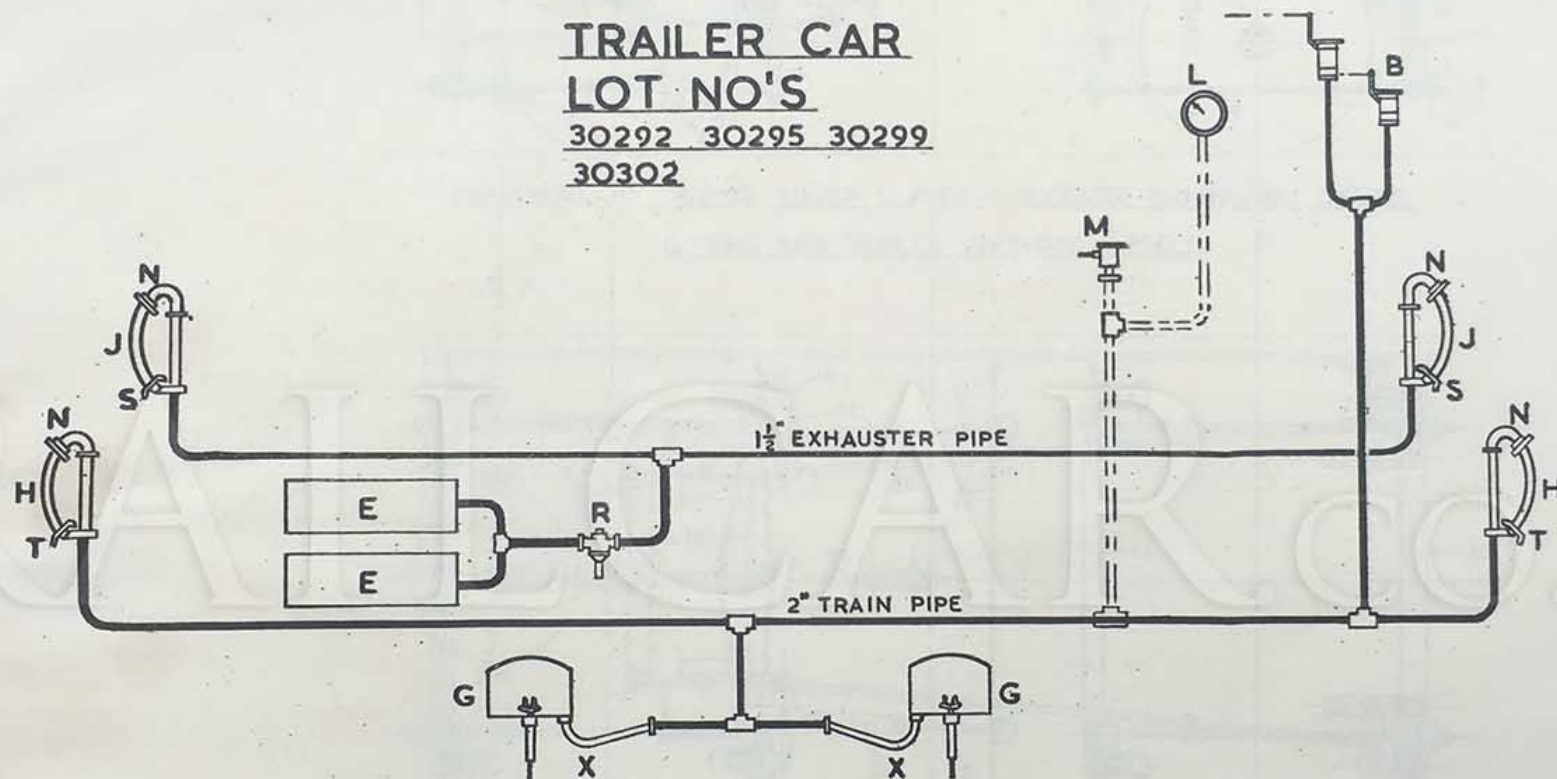


A	DRIVERS BRAKE VALVE	J	2" HOSE & COUPLING
B	PASS. COMM. VALVE	M	VAN VALVE
C	4" DUPLEX GAUGE	N	C. I. BEND
D	FEED VALVE	R	AUTO. ISOLATING VALVE
E	RELEASE RESERVOIR	T	DUMMY & CARRIER
G	18" BRAKE CYLINDER	W	DUMMY & CARRIER
H	2" HOSE & COUPLING	X	3/4" HOSE & CLIPS

CARRIAGE & WAGON DRAWING OF
DERBY.

TRAILER CAR LOT NO'S

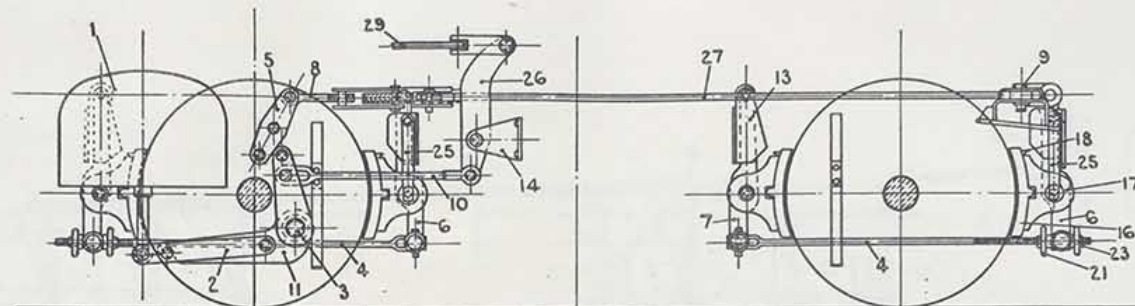
30292 30295 30299
30302



B	PASS. COMM. VALVE	M	VAN VALVE
E	RELEASE RESERVOIR	N	C.I. BEND
G	18" BRAKE CYLINDER	R	AUTO. ISOLATING VALVE
H	2" HOSE & COUPLING	S	DUMMY & CARRIER
J	1 1/2" HOSE & COUPLING	T	DUMMY & CARRIER
L	6" SINGLE GAUGE	X	3/4" HOSE & CLIPS

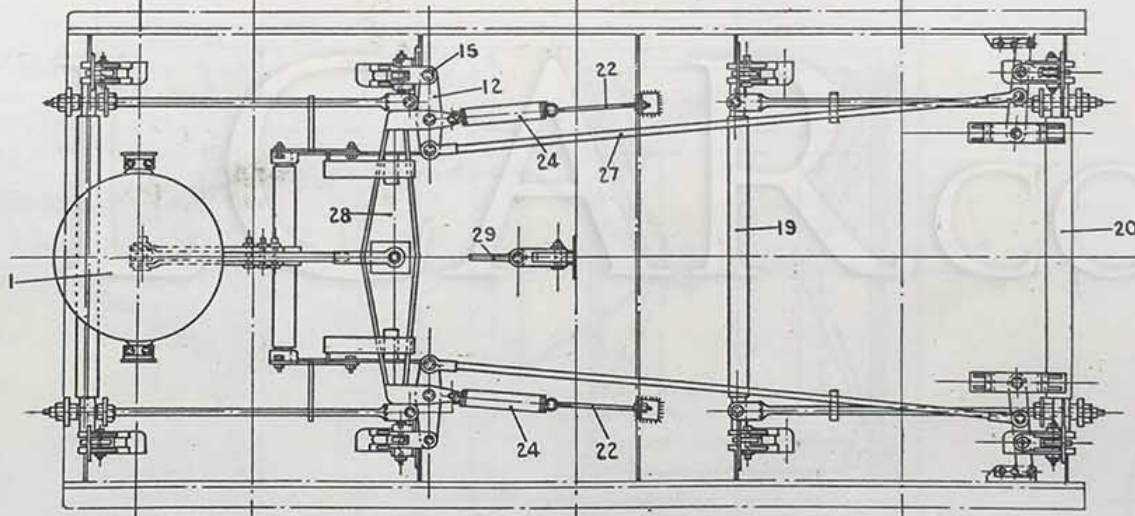
CARRIAGE & WAGON DRAWING OFFICE
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DIAGRAM. I.



BRAKEWORK ON DRIVING BOGIES CRAVEN, GLOUCESTER, BIRMINGHAM DIESELS.

DRIVING AND TRAILER WICKHAM DIESELS.



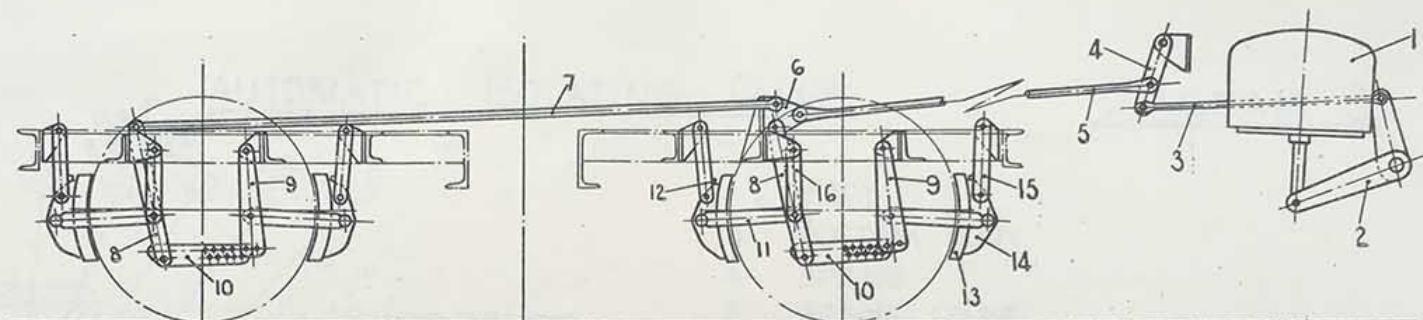
REF. No.	DESCRIPTION.
1.	A.V.B. CYLINDER.
2.	CYLINDER LEVER LINK.
3.	BRAKE SHAFT ASSEMBLY.
4.	BOTTOM PULL ROD.
5.	VERTICAL LEVER.
6.	VERTICAL LEVER, BRAKE BLOCK
7.	VERTICAL LEVER, BRAKE BLOCK
8.	PULL ROD ADJUSTER.
9.	HORIZONTAL BRACKET.
10.	TOP PULL ROD.

REF. No.	DESCRIPTION.
11.	FULCRUM LEVER.
12.	HORIZONTAL LEVER
13.	LEVER GUIDE
14.	VERTICAL LEVER BRACKET
15.	VERTICAL LEVER LINK
16.	BRAKE BLOCK, SHOE.
17.	PERMANENT BRAKE HEAD
18.	BRAKE BLOCK KEY
19.	INNER CROSSBAR
20.	OUTER CROSSBAR

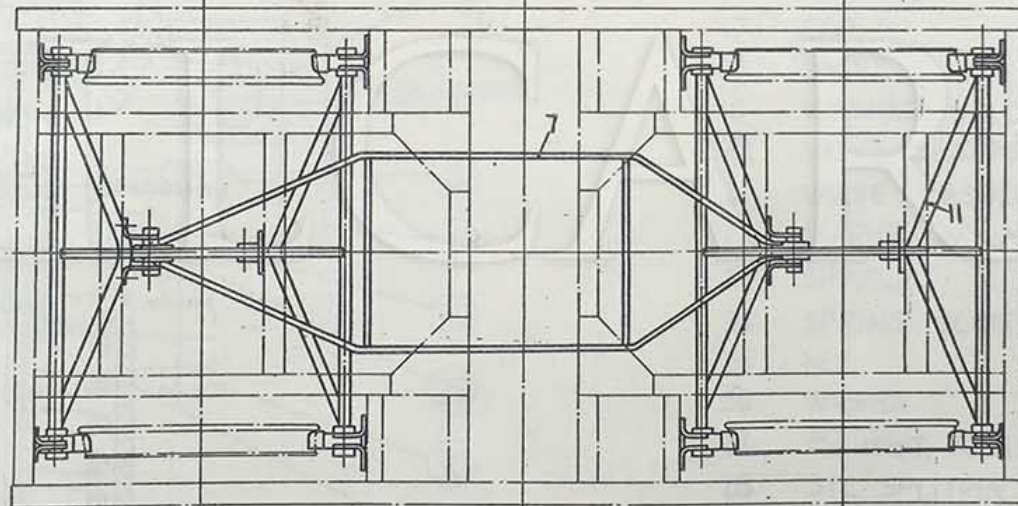
REF. No.	DESCRIPTION.
21.	ADJUSTING NUT
22.	BRAKE RELEASE SPRING LINK, ADJUSTING
23.	ADJUSTING NUT LOCKNUT
24.	BRAKE RELEASE SPRING
25.	BLOCK LINK
26.	HANDBRAKE VERTICAL LEVER
27.	BRAKE CONNECTING PULL ROD
28.	BRAKE CROSSBEAM
29.	HANDBRAKE PULL ROD.

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DIAGRAM.2.



BRAKEWORK ON TRAILER BOGIE. BIRMINGHAM DIESELS

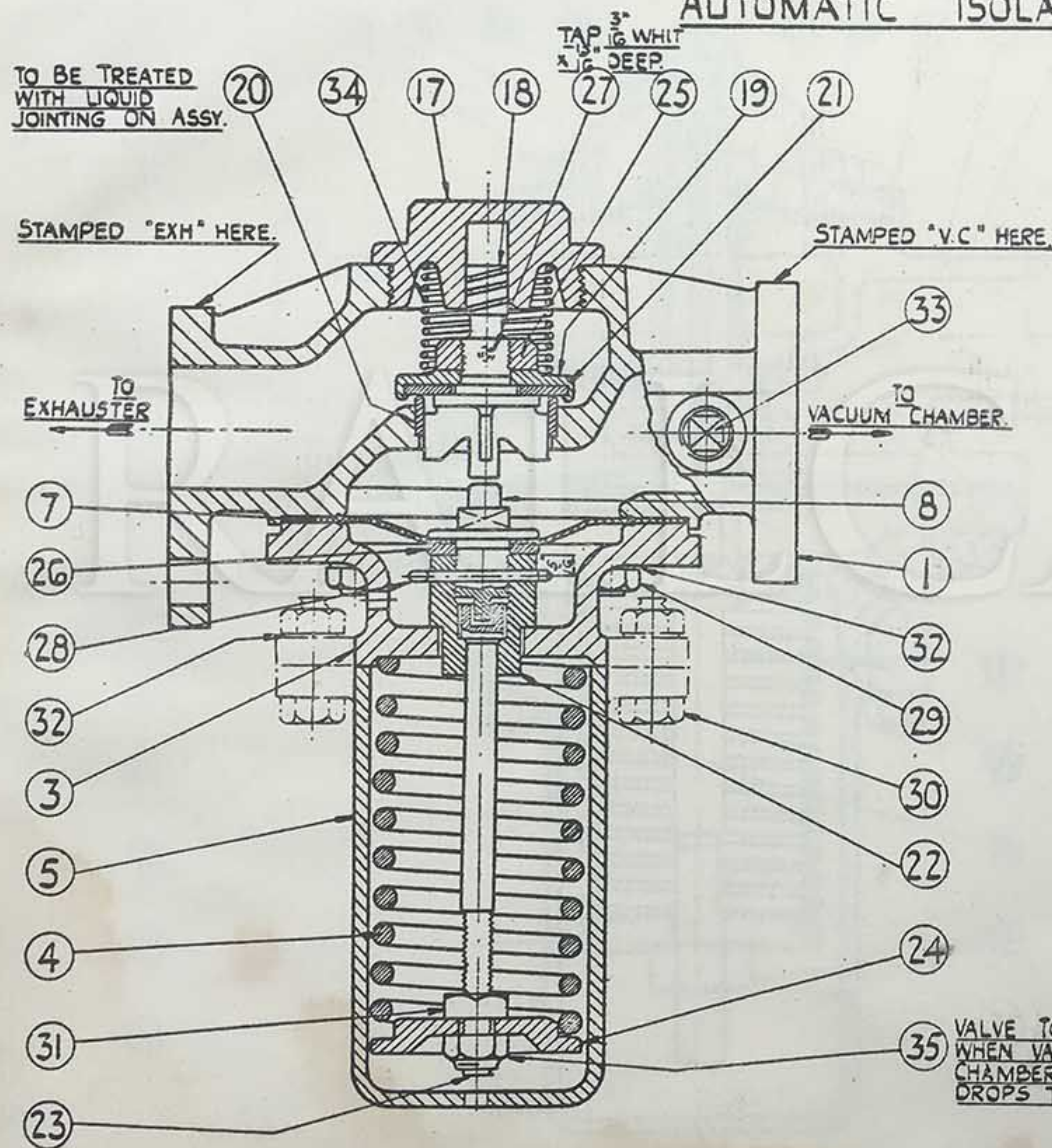


REF No	DESCRIPTION
1	A.V.B. CYLINDER.
2	BRAKE SHAFT ASSEMBLY.
3	PULL ROD TO BOGIE
4	HANDBRAKE LINK
5	PULL ROD TO UNDERFRAME
6	EQUALISER
7	SIDE PULL ROD.
8	VERTICAL LEVER

REF No	DESCRIPTION.
9	FULCRUM LEVER
10	PULL ROD ADJUSTING
11	TRIANGULAR CROSSBAR
12	BRAKE BLOCK KEY
13	BRAKE BLOCK SHOE
14	PERMANENT BRAKE HEAD
15	BRAKE BLOCK HANGER.
16	VERTICAL LEVER HANGER.

AUTOMATIC ISOLATING VALVE.

DIAGRAM 3

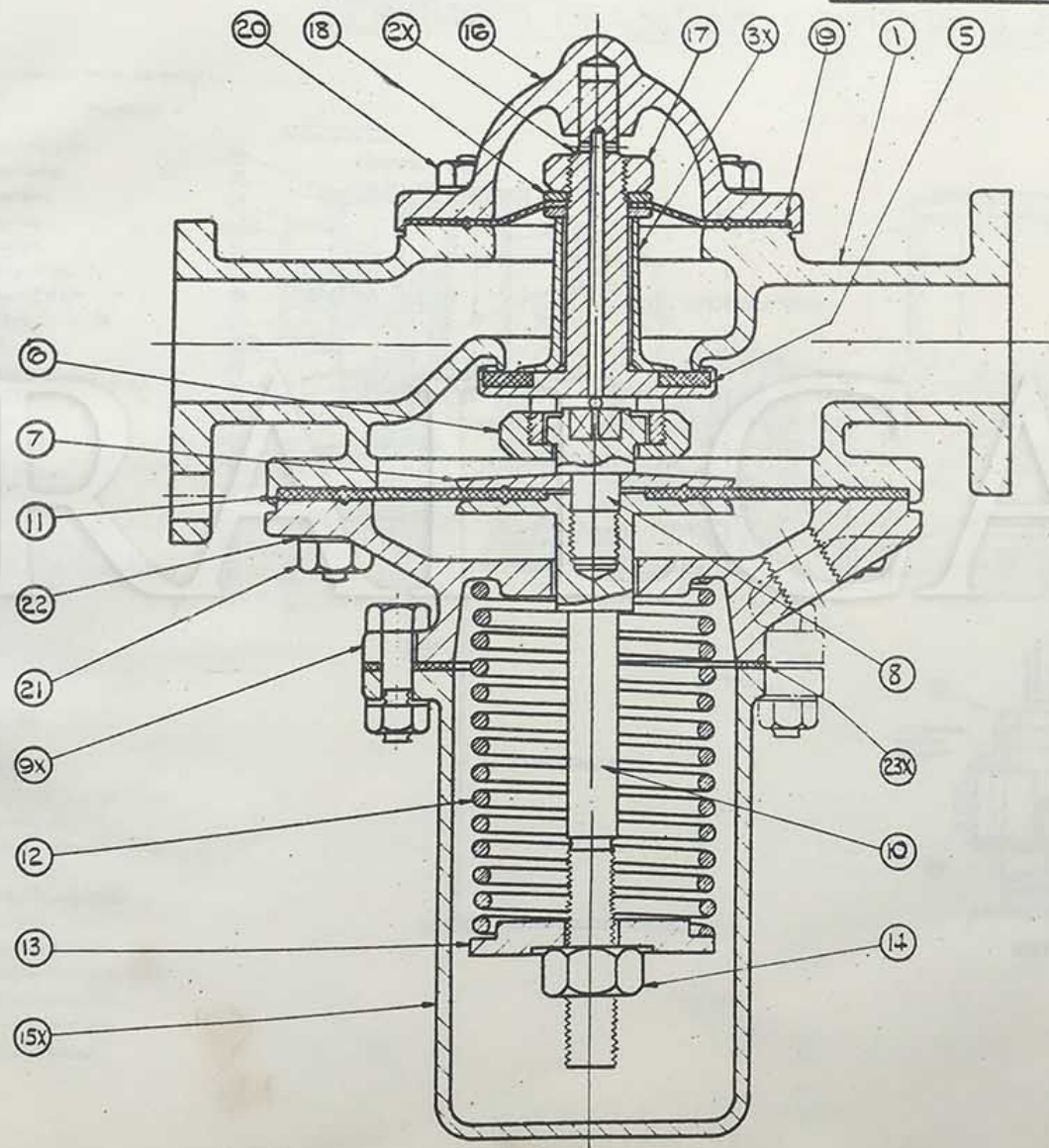


- | | |
|----|--|
| 1 | BODY |
| 3 | BOTTOM BODY |
| 4 | SPRING |
| 5 | SPRING COVER |
| 7 | DIAPHRAGM |
| 8 | DIAPHRAGM PLUNGER |
| 17 | CAP |
| 18 | VALVE |
| 19 | WASHER HOLDER |
| 20 | VALVE SEATING |
| 21 | VALVE WASHER |
| 22 | DIAPHRAGM NUT. |
| 23 | SPINDLE |
| 24 | SPRING GUIDE |
| 25 | NUT |
| 26 | WASHER |
| 27 | $\frac{3}{16}$ " WHIT. SOCKET SET SCREW "UNBRAKO" $\frac{5}{16}$ " LONG. |
| 28 | STL. SPLITPIN $\frac{1}{8}$ " DIA. x $1\frac{3}{4}$ " LONG. |
| 29 | STL. BOLTS & NUTS $\frac{3}{8}$ " WHIT x $3\frac{1}{8}$ " LONG SCD $\frac{3}{4}$ " |
| 30 | STL. BOLTS & NUTS $\frac{3}{8}$ " WHIT x $1\frac{1}{4}$ " LONG SCD $\frac{3}{4}$ " |
| 31 | STL. NUT $\frac{3}{8}$ " WHIT. |
| 32 | TYPE II "SHAKEPROOF" WASHER No 1120 |
| 33 | STD $\frac{3}{8}$ " B.S.P. PLUG. |
| 34 | SPRING. |
| 35 | "G.K.N." AEROTIGHT STD. STIFF $\frac{3}{8}$ " WHIT NUT (JAW |

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DERBY.

AUTOMATIC FEED VALVE

DIAGRAM 4



- 1 TOP BODY.
- 2X VALVE
- 3X SLEEVE FOR VALVE
- 4 WASHER
- 5 VALVE SEATING
- 6 ADAPTOR NUT.
- 7 DIAPHRAGM PLATE
- 8 ADAPTOR
- 9X BOTTOM BODY
- 10 SPINDLE
- 11 DIAPHRAGM.
- 12 SPRING
- 13 ADJUSTING PLATE
- 14 ADJUSTING NUT
- 15X BOTTOM CAP
- 16 COVER
- 17 LOCK NUT
- 18 WASHER
- 19 DIAPHRAGM
- 20 STUDS & NUTS $\frac{3}{8}$ " B.S.W.
- 21 BOLTS & NUTS $\frac{3}{8}$ " B.S.W.
- 22 SHAKEPROOF LOCKING WASHERS $\frac{3}{8}$ " I/D.
- 23X JOINT.

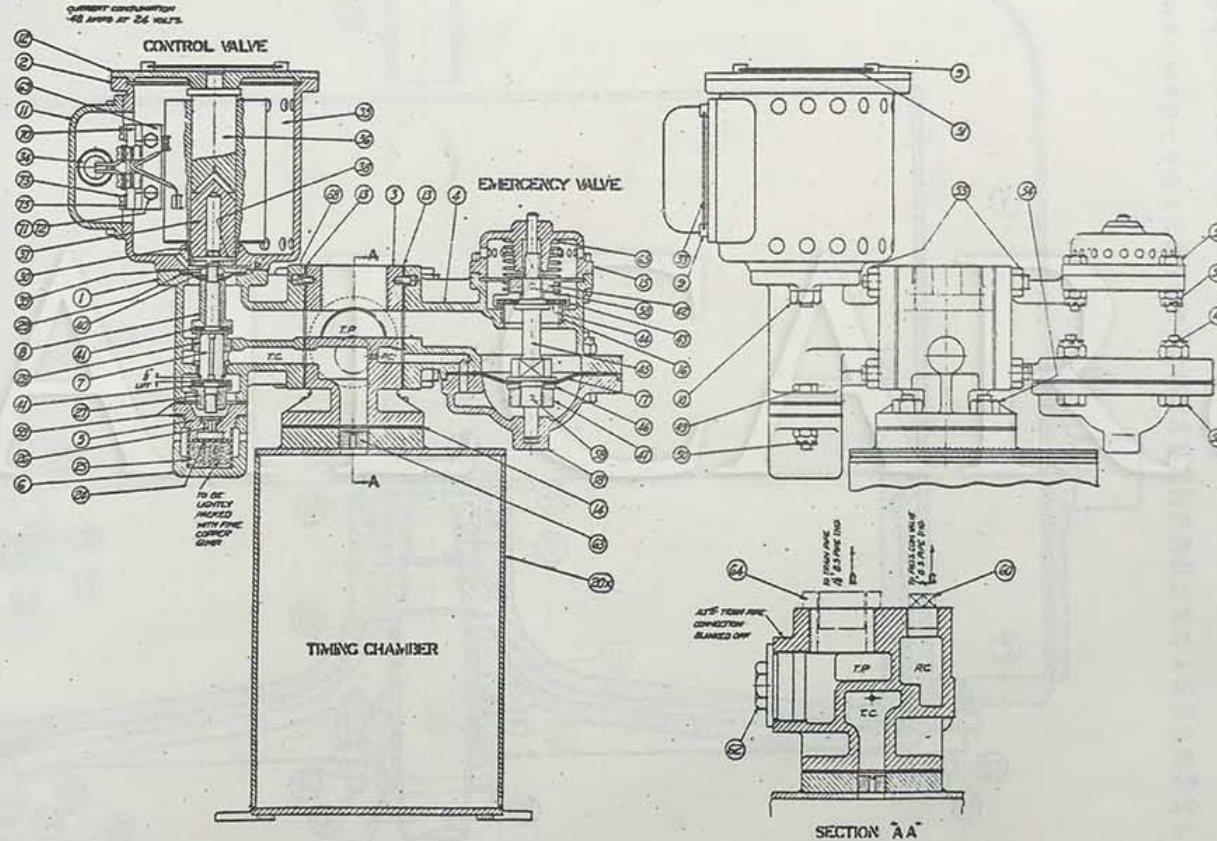
CARRIAGE & WAGON DRAWING OFFICE
DERBY.

COMBINED DEADMAN'S CONTROL & EMERGENCY VALVE

DIAGRAM 5

Control Valve Assembly

Part No.	Description
1	Control Valve Body.
2	Solenoid Casing.
5	Strainer Body.
6	Strainer Cap.
7	Valve Guide.
8	Diaphragm Valve.
9*	Set Screw $\frac{1}{2}$ " B.S.W.
10	Studs & Nuts $\frac{1}{2}$ " B.S.W.
11	Cover.
12	Top Cover.
24	Strainer Plate.
25	Strainer.
26	Orifice Bush.
27	Valve Seating.
28	Seating for Body.
29*	Diaphragm.
30	Bush for Solenoid Casing.
33	Brass Locking Wire for Screws (9).
34*	Insulating Bush.
35*	Solenoid.
36	Contact Pin on Cover.
37	Contact Pin on Valve.
38	Phosphor Bronze Wire $\frac{3}{32}$ " dia.
39	Retaining Nut.
40	Washer.
41*	Valve Seat.
49*	Bolts and Castle Nuts $\frac{5}{16}$ " White.
50	Split Pin $\frac{3}{32}$ " dia.
51	Brass Locking Wire for Screws (9).
59*	Joint.
69	Bracket for Terminal Block.
70	Terminal Block.
71	Bolts and Nuts $\frac{1}{2}$ " B.S.W.
72	Brass Locking Wire for Bolts (71)
73	Brass Fixing Screws 2 B.A.
74*	Spring Washer $\frac{3}{16}$ " dia.
*	Recommended Spares.

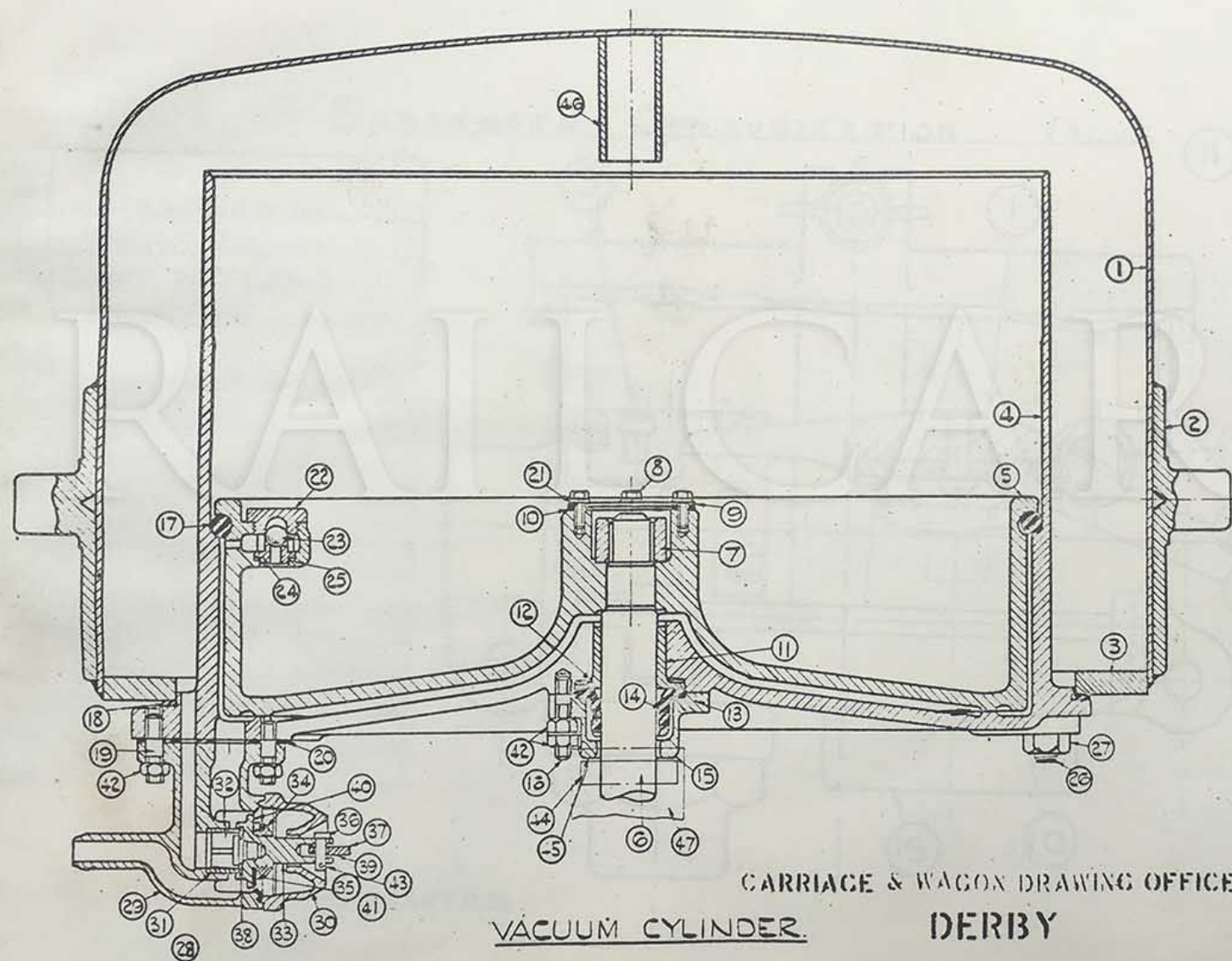


Emergency Valve Assembly

Part No.	Description
4	Emergency Valve Body.
15	Top Cover.
16	Bush.
17*	Diaphragm.
18	Bottom Cover.
42	Nut for Valve.
43	Valve Holder.
44*	Valve Seating.
45	Valve Spindle.
46	Washer.
47	Nut for Diaphragm.
48	Split Pin $\frac{3}{32}$ " dia.
50	Split Pin $\frac{3}{32}$ " dia.
55*	Bolts and Castle Nuts $\frac{5}{16}$ " B.S.W.
56*	Bolts and Castle Nuts $\frac{1}{2}$ " B.S.W.
58*	Brass Grubscrew.
65*	Spring.
Manifold and Timing Chamber Assembly	
Part No.	Description
3	Manifold.
13*	Joint.
14*	Joint.
20x	Timing Chamber Complete.
53	Studs and Nuts $\frac{1}{2}$ " B.S.W.
54	Studs and Nuts $\frac{1}{2}$ " B.S.W.
60	$\frac{1}{2}$ " B.S.P. Plug (only required when P.C. connection is blanked).
62	$1\frac{1}{2}$ " Plug.
63	Bush.
64	Reducer (only required when specified).
68	Dowels $\frac{3}{16}$ " dia.

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DIAGRAM 6



- 1 SHELL OUTER
- 2 TRUNNION
- 3 RING, FOUNDATION
- 4 SHELL INNER
- 5 PISTON
- 6 ROD, PISTON
- 7 NUT, PISTON ROD
- 8 SCREW $\frac{1}{4}$ " DIA. X $\frac{3}{8}$ " LONG
- 9 WASHER, PISTON HEAD
- 10 JOINT, PISTON HEAD WASHER
- 11 BUSH PISTON ROD
- 12 PACKING, PISTON ROD BUSH
- 13 GLAND, PISTON ROD
- 14 INSERT, NYLON
- 15 COVER GLAND
- 16 STUD $\frac{3}{8}$ " DIA GLAND COVER
- 17 RING, ROLLING
- 18 JOINT, FOUNDATION RING & CYLINDER
- 19 STUD, $\frac{3}{8}$ " DIA. RELEASE VALVE
- 20 JOINT, RELEASE VALVE
- 21 WASHER, SPRING FOR $\frac{1}{2}$ " DIA. SET SCREWS
- 22 CAGE, PISTON BALL VALVE
- 23 BALLS $\frac{1}{2}$ " DIA. STAINLESS STEEL
- 24 SEAT, PISTON BALL VALVE
- 25 SEAL "O" $\frac{7}{8}$ " O/D X $\frac{1}{16}$ " I/D X $\frac{3}{32}$ " DIA.
- 26 STUD, COVER $\frac{5}{8}$ " DIA.
- 27 NUT, FOR COVER STUD, $\frac{5}{8}$ " DIA. WHIT.
- 28 VALVE, RELEASE
- 29 BODY, RELEASE VALVE
- 30 COVER
- 31 SEATING, VALVE
- 32 GUIDE, SPINDLE
- 33 SPINDLE
- 34 NUT, DIAPHRAGM
- 35 WASHER DIAPHRAGM
- 36 PIN, RELEASE VALVE LEVER
- 37 LEVER, RELEASE VALVE
- 38 SEATING, RELEASE VALVE
- 39 BUSH, RELEASE VALVE LEVER
- 40 DIAPHRAGM RELEASE VALVE
- 41 BOLT, RELEASE VALVE COVER $\frac{3}{8}$ " DIA. WHITE ELON
- 42 NUT, RELEASE VALVE $\frac{3}{8}$ " DIA. WHIT.
- 43 SPLIT PIN RELEASE VALVE LEVER PIN $\frac{3}{32}$ " DIA. X $\frac{5}{8}$ " LONG
- 44 SCREW, TRANSIT
- 45 JOINT, TRANSIT SCREW
- 46 STOP, PISTON
- 47 SLEEVES PISTON ROD

CARRIAGE & WAGON DRAWING OFFICE

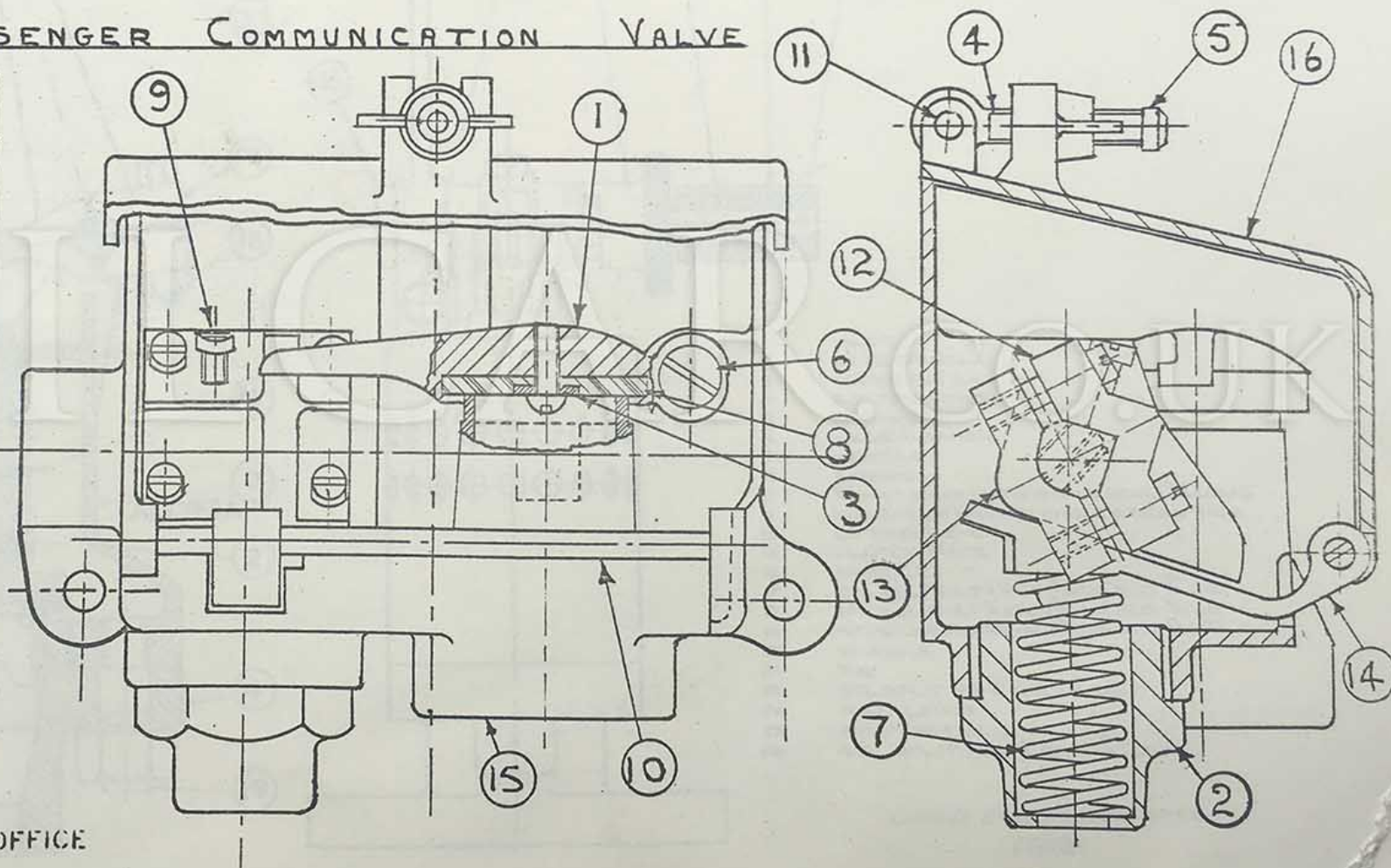
VACUUM CYLINDER.

DERBY

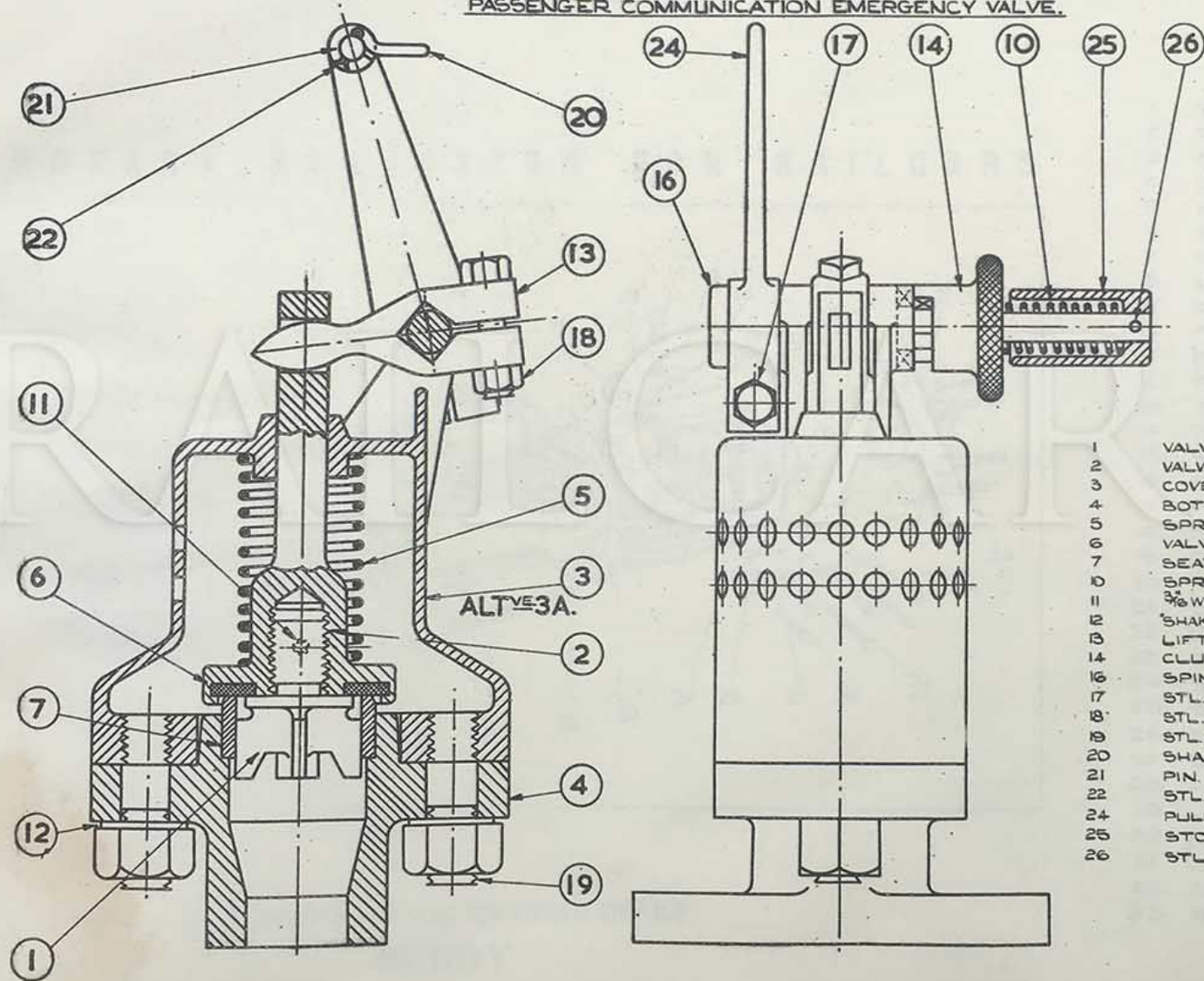
DIAGRAM 7

PASSENGER COMMUNICATION VALVE

REF No	DESCRIPTION
1	VALVE CLAPPET
2	CAP FOR SPRING
3	VALVE SEAT WASHER
4	EYE BOLT
5	EYEBOLT CONTROLLER WASHER
6	FULCRUM PIN
7	SPRING
8	VALVE SEAT
9	SET SCREW
10	HINGE PIN FOR LID
11	THUMB SCREW PIN
12	VALVE CONTROLLER (TOP)
13	" " (BOTTOM)
14	STOP FOR VALVE CONTROLLER
15	BODY
16	LID



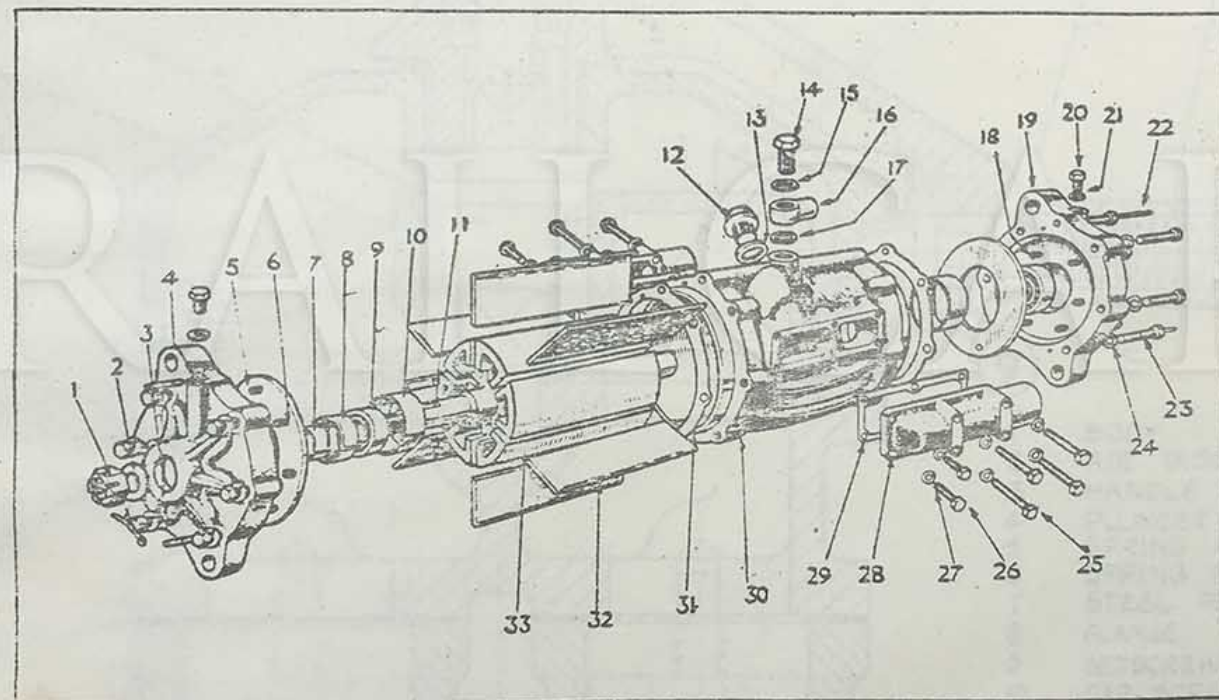
PASSENGER COMMUNICATION EMERGENCY VALVE.



- 1 VALVE.
- 2 VALVE SPINDLE.
- 3 COVER RH. 3 A L. H.
- 4 BOTTOM COVER.
- 5 SPRING.
- 6 VALVE WASHER.
- 7 SEATING.
- 10 SPRING.
- 11 $\frac{3}{8}$ " WHIT. SOCKET SETSCREW LINBRACKO $\frac{3}{16}$ " LONG.
- 12 SHAKEPROOF WASHER TYPE II STOCK NO 1124.
- 13 LIFTING LEVER.
- 14 CLUTCH PIECE.
- 16 SPINDLE.
- 17 STL. BOLT & NUT $\frac{1}{4}$ " WH. X $1\frac{1}{2}$ " LG. SCD. $\frac{7}{16}$ " LG.
- 18 STL. BOLT & NUT $\frac{1}{4}$ " WH. X $1\frac{3}{16}$ " LG. SCD. $\frac{7}{16}$ " LG.
- 19 STL. STUDS & NUTS $\frac{1}{2}$ " WH. X $1\frac{3}{4}$ " LG. SCD. $\frac{1}{2}$ " & $\frac{3}{4}$ ".
- 20 SHACKLE.
- 21 PIN.
- 22 STL. SPLIT PIN $\frac{1}{16}$ " DIA. X $\frac{7}{16}$ " LG.
- 24 PULL LEVER.
- 25 STOP FOR CLUTCH.
- 26 STL. SPLIT PIN $\frac{1}{8}$ " DIA. X $1\frac{15}{16}$ " LONG.

DIAGRAM 9

ROTARY EXHAUSTER FOR RAILCARS

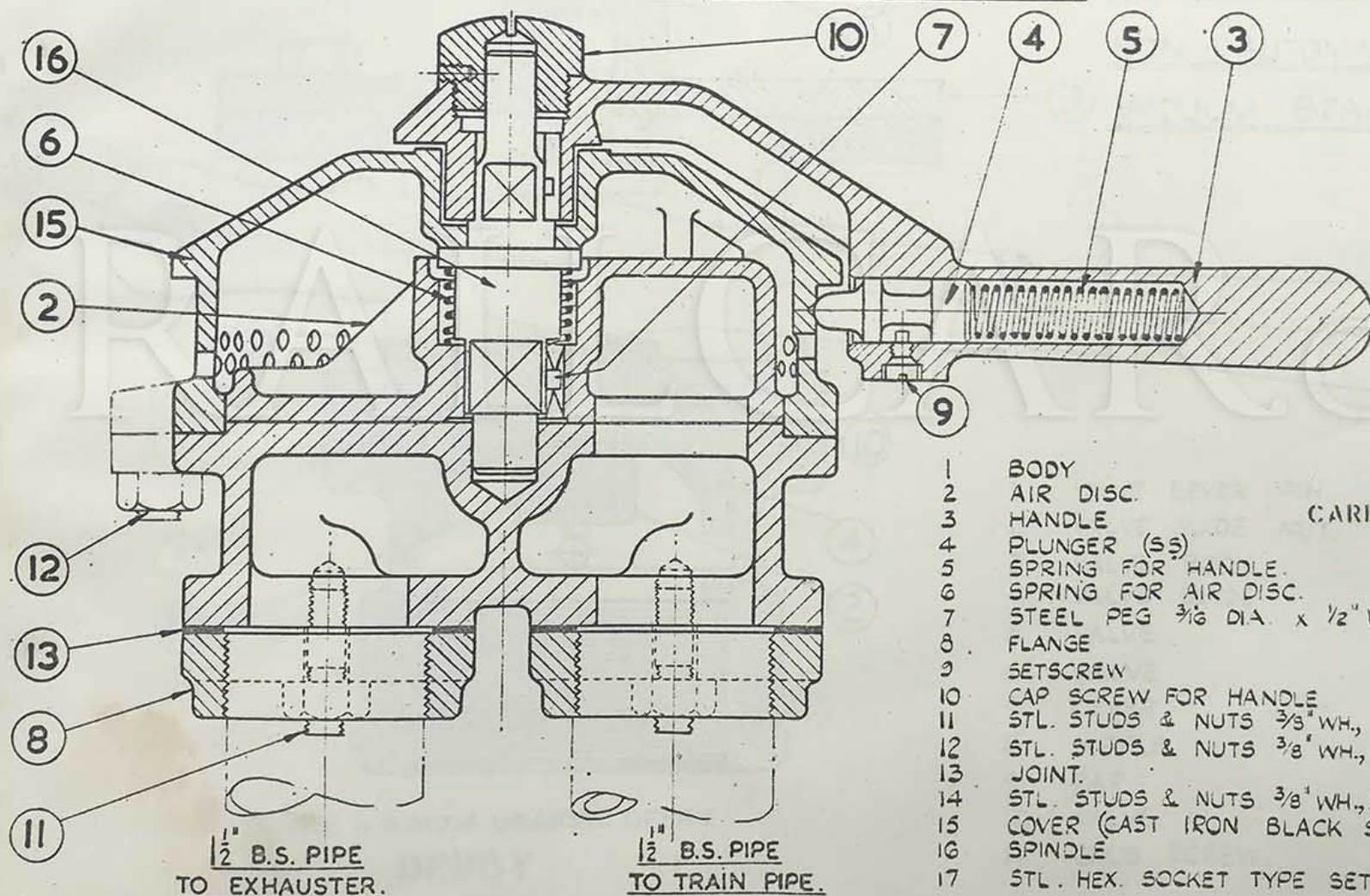


- 1 SHAFT NUT 5/8" BSF.
- 2 WASHER.
- 3 SPLIT PIN.
- 4 DRIVE END COVER.
- 5 SEALING PLATE WITH PEG.
- 6 SEALING PLATE SPRING.
- 7 SHAFT COLLAR.
- 8 METAL INSERT SEAL.
- 9 ROLLER RACE.
- 10 FLOATING RING.
- 11 DRIVE KEY.
- 12 PLUG 1/2" BSF.
- 13 SOFT COPPER WASHER.
- 14 PIPE FASTENER.
- 15 SOFT COPPER WASHER.
- 16 PIPE CONNECTION.
- 17 SOFT COPPER WASHER.
- 18 BALL RACE.
- 19 REAR END COVER.
- 20 PLUG 1/4" BSF.
- 21 SOFT COPPER WASHER.
- 22 END COVER LOCATING PEG.
- 23 SETSCREW 3/8" BSF.
- 24 SHAKEPROOF WASHER.
- 25 SETSCREW 5/16" BSF.
- 26 SETSCREW 5/16" BSF.
- 27 SPRING WASHER.
- 28 MANIFOLD.
- 29 JOINT FOR MANIFOLD.
- 30 EXHAUSTER BODY.
- 31 JOINT FOR END COVER.
- 32 ROTOR BLADE.
- 33 ROTOR AND SHAFT.

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DIAGRAM 10.

DRIVERS BRAKE VALVE.

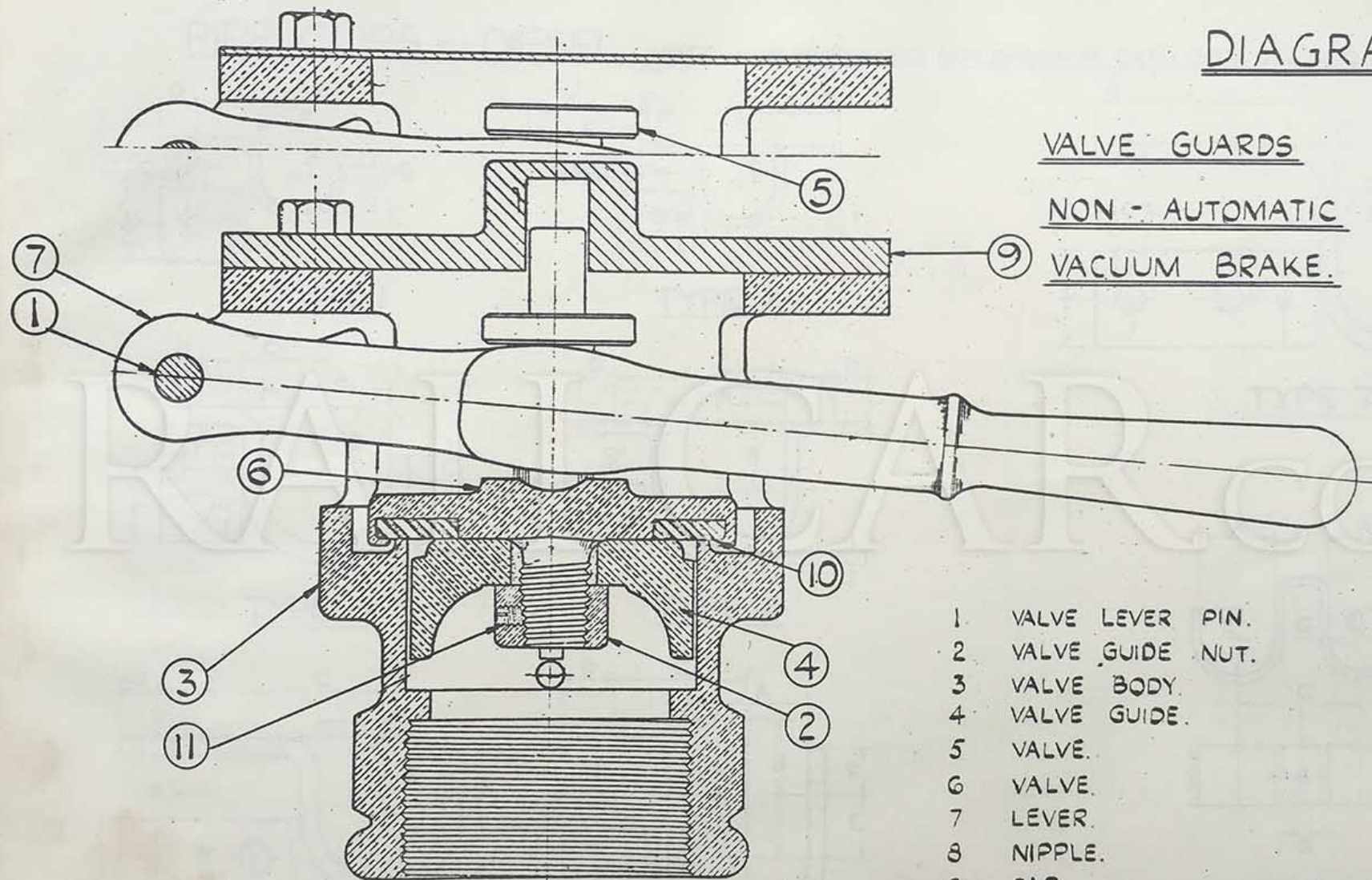


- 1 BODY
- 2 AIR DISC.
- 3 HANDLE
- 4 PLUNGER (SS)
- 5 SPRING FOR HANDLE.
- 6 SPRING FOR AIR DISC.
- 7 STEEL PEG $\frac{3}{16}$ " DIA. x $\frac{1}{2}$ " LONG.
- 8 FLANGE
- 9 SETSCREW
- 10 CAP SCREW FOR HANDLE
- 11 STL. STUDS & NUTS $\frac{3}{8}$ " WH., $1\frac{3}{8}$ " LG., SCD. $\frac{3}{8}$ " & $\frac{5}{8}$ "
- 12 STL. STUDS & NUTS $\frac{3}{8}$ " WH., $1\frac{1}{4}$ " LG., SCD. $\frac{3}{8}$ " & $\frac{5}{8}$ "
- 13 JOINT.
- 14 STL. STUDS & NUTS $\frac{3}{8}$ " WH., x $1\frac{13}{16}$ " LG., SCD. $\frac{3}{8}$ " x $1\frac{1}{8}$ "
- 15 COVER (CAST IRON BLACK STOVE ENAMELLED.)
- 16 SPINDLE
- 17 STL. HEX. SOCKET TYPE SETSCREW $\frac{3}{16}$ " WH. x $\frac{3}{16}$ " LG.

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DIAGRAM II.



VALVE GUARDS

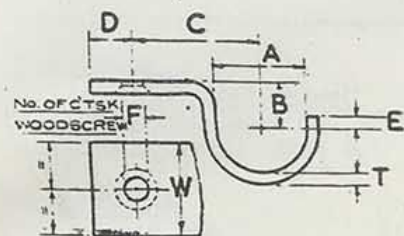
NON - AUTOMATIC

VACUUM BRAKE.

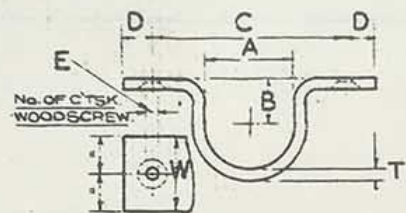
- 1 VALVE LEVER PIN.
- 2 VALVE GUIDE NUT.
- 3 VALVE BODY.
- 4 VALVE GUIDE.
- 5 VALVE.
- 6 VALVE LEVER PIN.
- 7 LEVER.
- 8 NIPPLE.
- 9 CAP.
- 10 VALVE.
- 11 GRUB SCREW.

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PIPE CLIPS — DIESEL. NOTE: —FOR DIMENSIONS NOT SHOWN IN CATALOGUE SEE DRG. No. DE/45529



TYPE 1



TYPE 2

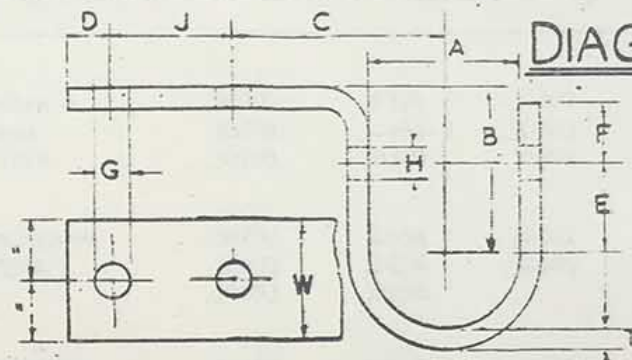
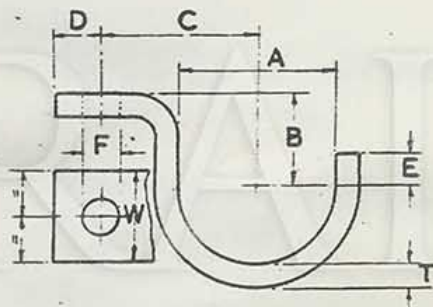
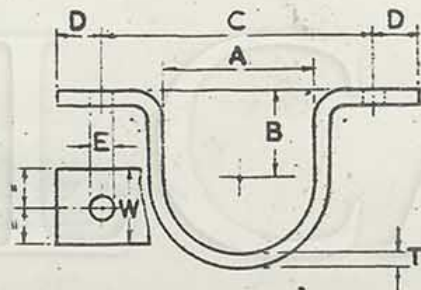


DIAGRAM 12

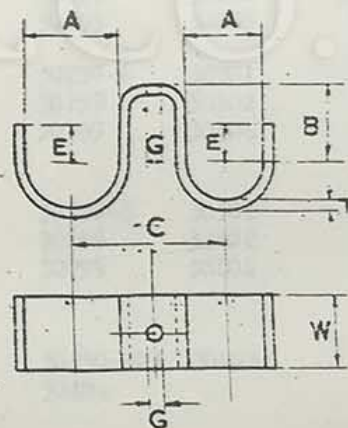
TYPE 7



TYPE 3



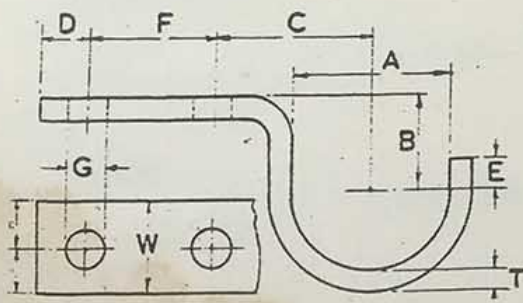
TYPE 4



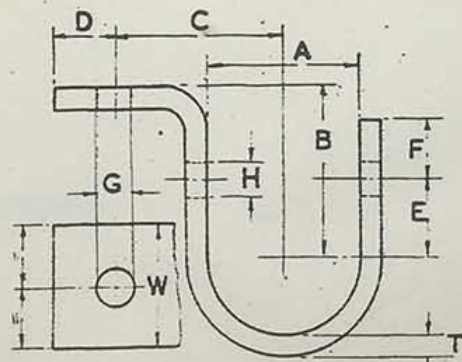
TYPE 8

CARRIAGE & WAGON DRAWING OFFICE

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TYPE 5



TYPE 6

BRAKEWORK FOR BIRMINGHAM BUILT DIESEL RAILCARS.

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>ADAPTORS.</u>					
<u>1 1/2" Feed Valve.</u>	Gresham &	30290	30294	30301	30405
See Catalogue No. 9/14/40141.	Craven	30291	30296-8	30303	
DIAGRAM 4. ITEM 8.	8/14196	30293	30300	30404	
<u>ADJUSTERS.</u>					
<u>Pull Rod.</u>	Birmingham.	30290	30294	30301	
9. 1/2" Centre of Hole To End. Jaw 2" x 1/2".	A11558K	30291	30296	30404	
complete with 1" dia whit. nut. STEEL.		30293	30298		
<u>BACKS.</u>					
<u>Brakeblock.</u>	Birmingham	30292	30299	30303	
See Catalogue No. 9/18/40521.	A.11585/H	30295	30300	30405	
Diagram 2, Item 14.		30297	30302		
<u>BACKS.</u>					
<u>Brakeblock.</u>	Birmingham	30290	30294	30301	
10. 11/16" x 6. 1/4" x 2. 7/8". 1' 11. 5/8" Radius.	A.11585/A	30291	30296	30404	
DIAGRAM 1. ITEM 17. IRON CASTING.		30293	30298		
<u>BEARINGS.</u>					
<u>Bell.</u>	Clayton	30290-6	30301		
DIAGRAM 9. ITEM 18.	Dewandre.	30298	30302		
	157/513.	30299	30404		
<u>BEARINGS.</u>					
<u>Roller.</u>	Clayton	30290-6	30301		
See Catalogue No. 9/43/31252.	Dewandre.	30298	30302		
DIAGRAM 9. ITEM 9.	157/508	30299	30404		
<u>BENDS.</u>					
<u>Vacuum Pipe.</u>	Gresham &	30290-303	30405		
5. 3/8" tapped 2" Gas Pipe. IRON CASTING.	Craven	30404			
	14259				

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>BLADES.</u>					
Rotor, Exhauster. See Catalogue No. 9/14/40976. DIAGRAM 9. ITEM 32.	Clayton Dewandre. R.E. 513-2	30290-6 30298 30299	30301 30302 30404		
<u>BLOCKS.</u>					
Terminal, Combined Deadmans Control Emergency Valve. DIAGRAM 5. ITEM 70.	Gresham & Craven 70/13924.	30290 30291 30293	30294 30296 30298	30301 30404	
<u>BODIES.</u>					
1.1/2" Automatic Isolating Valve. 7.1/2" over flanges. ALUMINIUM. DIAGRAM 3. ITEM 1.	Gresham & Craven 1/14255M	30292 30295 30297	30299 30300 30302	30303 30405	
<u>BODIES.</u>					
Bottom 1" & 1.1/2" Automatic Isolating Valve. DIAGRAM 3. ITEM 3. ALUMINIUM.	Gresham & Craven 3/14139L.	30290-303 30404	30405		
<u>BODIES.</u>					
Bottom 1.1/2" Feed Valve. See Catalogue No. 9/14/41476. DIAGRAM 4. ITEM 9.	Gresham & Craven 9A/11800	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>BODIES.</u>					
Control Valve. Combined Deadmans Control & Emergency Valve. DIAGRAM 5. ITEM 1.	Gresham & Craven 1/13924.	30290 30291 30293	30294 30296 30298	30301 30404	

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>BODIES.</u>					
<u>Drivers Brake Valve.</u>	Gresham &	30290	30294	30301	30405
DIAGRAM 10. ITEM 1.	Craven	30291	30296-8	30303	
	1/13552	30293	30300	30404	
<u>BODIES.</u>					
<u>Emergency Valve. Combined Deadmans Control.</u>	Gresham &	30290	30294	30301	
DIAGRAM 5. ITEM 4.	Craven	30291	30296	30404	
	4/13924.	30293	30298		
<u>BODIES.</u>					
<u>Exhauster.</u>	Clayton	30290-6	30301		
See Catalogue No. 9/14/41376	Dewandre.	30298	30302		
DIAGRAM 9. ITEM 30.	R.E. 23-1	30299	30404		
<u>BODIES.</u>					
<u>Release Valve. Vacuum Brake Cylinder 18" & 21".</u>	SW/DE/64468.	30290-303			
See Catalogue No. 9/19/4852.		30404			
DIAGRAM 6. ITEM 29.		30405			
<u>BODIES.</u>					
<u>Strainer. Combined Deadmans Control & Emergency Valve.</u>	Gresham &	30290	30294	30301	
DIAGRAM 5. ITEM 5.	Craven	30291	30296	30404	
	3/13924	30293	30298		
<u>BODIES.</u>					
<u>Top. 1.1/2" Feed Valve.</u>	Gresham &	30290	30294	30301	30405
See Catalogue No. 9/14/41486.	Craven	30291	30296-8	30303	
DIAGRAM 4. ITEM 1.	14/11800	30293	30300	30404	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>BOLTS.</u>				
<u>Block Hanger.</u>	Birmingham	30292	30299	30303
See Catalogue No. 9/14/41666.	A. 11585/K	30295	30300	30405
		30297	30302	
<u>BOLTS.</u>				
<u>Brakeblock Suspension.</u>	Birmingham	30290	30294	30301
See Catalogue No. 9/14/41674.	A. 11585/G	30291	30296	30404
		30293	30298	
<u>BOLTS.</u>				
<u>Brakeblock Suspension.</u>	Birmingham	30290	30294	30301
See Catalogue No. 9/14/41681.	A. 11585/D	30291	30296	30404
		30293	30298	
<u>BOXES.</u>				
<u>Handbrake Column.</u>	Birmingham	30300		
8.7/16" x 7.11/16" x 6.3/4". Complete with Bosses, Side Plates and Cover. STEEL.	A. 11536/A	30303		
<u>BRACKETS.</u>				
<u>Anchor (Passenger Communication Chain)</u>	Birmingham	30290-303		
2.7/16" x 1.1/4" x 1/8". 11/16" hole centres. STEEL.	A. 11442/S	30404		
		30405		
<u>BRACKETS.</u>				
<u>Bevel Gear Suspension (Handbrake)</u>	Birmingham	30290	30294	30301
10.3/4" x 10.1/4" x 8.3/4" x 1/2". (Complete). STEEL.	A. 11516/K	30291	30296-8	30303
		30293	30300	30404
				30405

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>BRACKETS.</u>				
<u>Cylinder Hanger.</u>	Birmingham	30292	30299	30303
10.1/2" Effective depth x 7" x 1/2". STEEL.	A.11606/S	30295	30300	30405
		30297	30302	
<u>BRACKETS.</u>				
<u>Eye Bolt, Release Spring Link.</u>	Birmingham	30290	30294	30301
3.1/2" x 3" x 3" x 1/2" thick. STEEL.	A.11558/T	30291	30296	30404
		30293	30298	
<u>BRACKETS.</u>				
<u>Floating Lever.</u>	Birmingham	30290	30294	30301
6.3/4" x 5.13/16" x 5". STEEL.	A.11560/N	30291	30296	30404
		30293	30298	
<u>BRACKETS.</u>				
<u>Vertical Lever (Handbrake)</u>	Birmingham	30290	30294	30301
8.5/8" x 7" x 6.1/2" x 1/2" thick complete. STEEL.	A.11516/Z	30291	30296	30404
DIAGRAM 1. ITEM 14.		30293	30298	
<u>BRACKETS.</u>				
<u>Fulcrum. Horizontal Lever.</u>	Birmingham	30297	30303	
8" x 4" x 4" x 1/2" thick. 6" Hole Centres. STEEL.	A.11606/C	30300	30405	
<u>BRACKETS.</u>				
<u>Fulcrum Lever. .</u>	Birmingham	30290	30294	30301
9.1/4" x 6.3/4" x 5.1/4". R.H. STEEL.	A.11560/P.	30291	30296	30404
		30293	30298	
<u>BRACKETS.</u>				
<u>Fulcrum Lever.</u>	Birmingham	30290	30294	30301
9.1/4" x 6.3/4" x 5.1/4". STEEL. L.H.	A.11560/L	30291	30296	30404
		30293	30298	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>BRACKETS</u>				
<u>Fulcrum Lever.</u> 6.3/4". x 5.13/16" x 5.1/4". STEEL.	Birmingham A.11560/G	30290 30291 30293	30294 30296 30298	30301 30404
<u>BRACKETS.</u>				
<u>Horizontal Lever.</u> 1'2" x 3" complete. STEEL. DIAGRAM 1. ITEM 9.	Birmingham A.11559/G & DE. 34787/2	30290 30291 30293	30294 30296 30298	30301 30404
<u>BRACKETS.</u>				
<u>Shaft Distance (Handbrake)</u> 4.7/8" x 4" x 3". Complete with 3/4" whit stud. STEEL.	Birmingham A.11516/W	30290 30291 30293	30294 30296 30298	30301 30404
<u>BRACKETS.</u>				
<u>Suspension (Handbrake)</u> 9.3/16" x 7.1/2" x 7.1/4". (Complete). STEEL.	Birmingham A.11516/T	30290 30291 30293	30294 30296 30298	30301 30404
<u>BRACKETS.</u>				
<u>Suspension (Handbrake)</u> 9.3/16" x 7.1/4" x 6.3/4". STEEL.	Birmingham A.11606/V	30297 30300	30303 30405	
<u>BRACKETS.</u>				
<u>Terminal Block. Combined Deadmans Control & Emergency Valve.</u> DIAGRAM 5. ITEM 69.	Gresham & Craven 69/13924.	30290 30291 30293	30294 30296 30298	30301 30404
<u>BRACKETS.</u>				
<u>Thrust (Handbrake)</u> 7.3/16" x 2.3/8" x 2.1/8". 2.7/8" x 2.1/8" Hole Centres. STEEL.	Birmingham A.11516/R.	30290 30291 30293	30294 30296-8 30300	30301 30303 30404 30405

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>BRACKETS.</u>					
<u>Tie. (Handbrake)</u>	Birmingham	30290	30294	30301	30405
10. $3/4$ " x 4. $11/16$ " x 2" x $1/2$ ". STEEL.	A. 11516/Q	30291	30296-8	30303	
		30293	30300	30404	
<u>BRACKETS.</u>					
<u>Trunnion.</u>	Birmingham	30290	30294	30301	
5. $3/4$ " x 4. $1/2$ " x 2. $3/4$ " x $5/8$ ". thick. L.H. STEEL.	A. 11559/C	30291	30296	30404	
		30293	30298		
<u>BRACKETS.</u>					
<u>Trunnion.</u>	Birmingham	30290	30294	30301	
5. $3/4$ " x 4. $1/2$ " x 2. $3/4$ " x $5/8$ ". R.H. STEEL.	A. 11559/D	30291	30296	30404	
		30293	30298		
<u>BRACKETS.</u>					
<u>Vertical Lever Hanger.</u>	Birmingham	30292	30299	30303	
5. $5/8$ " x 4. $1/2$ " x 3". L.H. STEEL.	A. 11582/B	30295	30300	30405	
		30297	30302		
<u>BRACKETS.</u>					
<u>Vertical Lever Hanger.</u>	Birmingham	30292	30299	30303	
5. $5/8$ " x 4. $1/2$ " x 3". R.H. STEEL.	A. 11582/A	30295	30300	30405	
		30297	30302		
<u>BRACKETS.</u>					
<u>Vertical Lever.</u>	Birmingham	30290	30294	30301	
Base. 5. $3/4$ " x 4" x $5/8$ ". Arm 5. $29/32$ " x 3. $3/4$ " x 1". STEEL.	A. 11559/F	30291	30296	30404	
		30293	30298		
<u>BRACKETS.</u>					
<u>Vertical Lever Hanger.</u>	Birmingham	30292	30299	30303	
6. $3/8$ " x 5. $7/8$ " x 4. $5/16$ " STEEL.	A. 11582/E.	30295	30300	30405	
		30297	30302		

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>BRACKETS.</u>				
<u>Vertical Lever Hanger.</u> 7.1/4" x 5" x 4.15/16" L.H. STEEL.	Birmingham A. 11582/F	30292 30295 30297	30299 30300 30302	30303 30405
<u>BRACKETS.</u>				
<u>Vertical Lever Hanger.</u> 7.1/4" x 5" x 4.5/16" R.H. STEEL.	Birmingham A. 11582/D	30292 30295 30297	30299 30300 30302	30303 30405
<u>BRACKETS.</u>				
<u>Vertical Lever.</u> 7.1/2" x 5" x 3.5/8". STEEL.	Birmingham A. 11582/C	30292 30295 30297	30299 30300 30302	30303 30405
<u>BUSHES.</u>				
<u>Vertical Lever.</u> See Catalogue No. 9/14/43857. STEEL.	Birmingham A. 11568/A	30290 30291 30293	30294 30296 30298	30301 30404
<u>BUSHES.</u>				
<u>Fulcrum Bracket Link.</u> 57/64" i/dia x 1.1/4" o/dia x 3/8" long. STEEL.	Birmingham A. 11568/J ^A	30297 30300 30303	30405	
<u>BUSHES.</u>				
<u>Brake Crossbeam Etc.,</u> See Catalogue No. 9/14/43797. STEEL.	Birmingham A. 11568/E	30290-303 30404	30405	
<u>BUSHES.</u>				
<u>Lever Link.</u> 57/64" i/dia x 1.1/4" o/dia x 9/16" long. STEEL.	Birmingham A. 11568/J	30290 30291 30293	30294 30296 30298	30301 30404

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>BUSHES.</u>				
<u>Lever Link.</u>	Birmingham	30290	30294	30301
57/64" i/dia x 1.1/4" o/dia x 19/32" long. STEEL.	A.11568/H	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Block Lever Bracket.</u>	Birmingham	30290	30294	30301
See Catalogue No. 9/14/43807. STEEL.	A.11568/B	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Horizontal Lever Etc.,</u>	Birmingham	30290	30294	30301
See Catalogue No. 9/14/43817. STEEL.	A.11568/D	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Handbrake Link Etc.,</u>	Birmingham	30290-303	30405	
See Catalogue No. 9/14/43827. STEEL.	A.11568/C	30404		
<u>BUSHES.</u>				
<u>Brake Hanger Link.</u>	Birmingham	30290	30294	30301
57/64" i/dia x 1.1/4" o/dia x 7/8" long. SINTERED IRON.	A.11568/A ^C	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Pull Rod.</u>	Birmingham	30290-303	30405	
See Catalogue No. 9/14/43837 STEEL.	A.11568/G	30404		
<u>BUSHES.</u>				
<u>Lever Guide.</u>	Birmingham	30290	30294	30301
See Catalogue No. 9/14/43847. STEEL.	A.11568/F	30291	30296	30404
		30293	30298	

DESCRIPTION.	BRG. NO.	LOT NOS.		
<u>BUSHES.</u>				
<u>Handbrake Shaft.</u>	Birmingham	30290	30294	30301
57/64" i/dia x 1.1/4" o/dia x 2" long. STEEL	A.11568/K	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Brake Hanger Bracket.</u>	Birmingham	30292	30299	30303
57/64" i/dia x 1.1/4" o/dia x 3" long. STEEL	A.11568/Q	30295	30300	30405
		30297	30302	
<u>BUSHES.</u>				
<u>Handbrake Link, Equaliser.</u>	Birmingham	30292	30299	30303
29/32" i/dia x 1.1/4" o/dia x 1" long. STEEL	A.11568/K ^A	30295	30300	30405
		30297	30302	
<u>BUSHES.</u>				
<u>Spring Connecting Arm.</u>	Birmingham	30290-303	30405	
1" i/dia x 1.1/4" o/dia x 3/4" long. STEEL	A.11568/R.	30404		
<u>BUSHES.</u>				
<u>Vertical Lever, Cylinder Lever, Lever Link, Fulcrum Bracket.</u>				
<u>Floating Lever, Fulcrum Lever.</u>	Birmingham	30290-303	30405	
1.1/64" i/dia x 1.3/8" o/dia x 1/2" long. STEEL	A.11568/M	30404		
<u>BUSHES.</u>				
<u>Pull Rod Lever.</u>	Birmingham	30290-303	30405	
See Catalogue No. 9/14/43967. STEEL	A.11568/N	30404		
<u>BUSHES.</u>				
<u>Brakeshaft Bracket Etc.,</u>	Birmingham	30290-303	30405	
See Catalogue No. 9/14/43977. STEEL	A.11568/P	30404		

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>BUSHES.</u>				
<u>Brakeshaft Lever, Power Lever.</u>	Birmingham	30290	30294	30301
1.1/64" i/dia x 1.3/8" o/dia x 1.1/2" long. STEEL.	A.11568/L	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Brakeshaft & Brake Lever.</u>	Birmingham	30290-303	30405	
See Catalogue No. 9/14/44107. STEEL.	A.11568/S	30404		
<u>BUSHES.</u>				
<u>Cylinder Lever.</u>	Birmingham	30290	30294	30301
1.9/64" i/dia x 1.1/2" o/dia. x 3/4" long. STEEL.	A.11568/T	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Vertical Lever, Brake Crossbar Shackle.</u>	Birmingham	30290	30294	30301
1.17/64" i/dia x 1.5/8" o/dia x 1/2" long. STEEL.	A.11568/W	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Brakeshaft & Brake Lever.</u>	Birmingham	30290	30294	30301
See Catalogue No. 9/14/44207. STEEL.	A.11568/Y	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Brake Shackle Pull Rod.</u>	Birmingham	30290	30294	30301
1.17/64" i/dia x 1.5/8" o/dia x 1" long. STEEL.	A.11568/X	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Brake Crossbar.</u>	Birmingham	30290	30294	30301
1.17/64" i/dia x 1.5/8" o/dia x 1.9/32" long. STEEL.	A.11568/V	30291	30296	30404
		30293	30298	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>BUSHES.</u>				
<u>Vertical Lever Bracket.</u>	Birmingham	30290	30294	30301
1. 25/64" i/dia x 1. 3/4" o/dia x 1/2" long. STEEL.	A. 11568/C ^A	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Brake Crank Lever.</u>	Birmingham	30290	30294	30301
See Catalogue No. 9/14/44317. STEEL.	A. 11568/B ^A	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Vertical Lever Link.</u>	Birmingham	30290	30294	30301
See Catalogue No. 9/14/44427. STEEL.	A. 11568/F ^A	30291	30296	30404
		30293	30298	
<u>BUSHES.</u>				
<u>Swing Beam Suspension Bolt.</u>	Birmingham	30290-303	30405	
1. 33/64" i/dia x 1. 7/8" o/dia x 7/8" long. SINTERED IRON.	A. 11568/E ^G	30404		
<u>BUSHES.</u>				
<u>Handbrake Box.</u>	Birmingham	30300		
1. 5/8" o/dia x 1. 17/64" i/dia x 2" o/all. With collar 2. 1/8" x 1/4" thick. GUN METAL YM3. ALLOY.	A. 11536/D	30303		
<u>BUSHES.</u>				
<u>Handbrake Box.</u>	Birmingham	30300		
1. 3/4" o/dia x 1. 25/64" i/dia x 2. 1/2" o/all. With collar 2. 1/4" dia x 1/4" thick. GUN METAL YM3. ALLOY.	A. 11536/E	30303		
<u>BUSHES.</u>				
<u>Safety Hanger. Shaft Distance Bracket.</u>	Birmingham	30290-303	30405	
1. 49/64" i/dia x 2. 1/4" o/dia x 2. 1/4" long. SINTERED IRON.	A. 11568/G ^C	30404		

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>BUSHES.</u>					
<u>Safety Hanger.</u>	Birmingham	30290	30294	30301	
2.1/64"i/dia x 2.1/2"o/dia x 2.1/4"long. SINTERED IRON.	A.11568/J ^C	30291	30296	30404.	
		30293	30298		
<u>BUSHES.</u>					
<u>Brake Screw Spindle. (Handbrake)</u>	Birmingham	30290	30294	30301	30405
See Catalogue No. 9/18/41836.	A.11516/M	30291	30296-8	30303	
		30293	30300	30404	
<u>BUSHES.</u>					
<u>Combined Deadmans Control & Emergency Valve</u>	Gresham &	30290	30294	30301	
See Catalogue No. 9/14/44727.	Craven	30291	30296	30404	
DIAGRAM 5. ITEM 63.	24/13544	30293	30298		
<u>BUSHES.</u>					
<u>Combined Deadmans Control Emergency Valve.</u>	Gresham &	30290	30294	30301	
See Catalogue No. 9/14/44747.	Craven	30291	30296	30404	
DIAGRAM 5. ITEM 16.	16/13924	30293	30298		
<u>BUSHES.</u>					
<u>Handbrake Spindle.</u>	Birmingham	30290	30294	30301	30405
See Catalogue No. 9/18/41911.	A.11516/L	30291	30296-8	30303	
		30293	30300	30404	
<u>BUSHES.</u>					
<u>Insulating. Combined Deadmans Control Emergency Valve.</u>	Gresham &	30290	30294	30301	
See Catalogue No. 9/14/44927.	Craven	30291	30296	30404	
DIAGRAM 5. ITEM 34.	14/9493.	30293	30298		
<u>BUSHES.</u>					
<u>Orifice, Combined Deadmans Control Emergency Valve.</u>	Gresham &	30290	30294	30301	
3/8" long, screwed 3/8" dia whit for 1/4" head 1/2" dia x 1/8".	Craven	30291	30296	30404	
DIAGRAM 5. ITEM 26.	26/9493	30293	30298		

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>BUSHES.</u>					
<u>Piston Rod. Vacuum Brake Cylinder 18" & 21" Type.</u>	SW/DE/77055	30290-303	30405		
See Catalogue No. 9/19/10941.		30404			
DIAGRAM 6. ITEM 11.					
<u>BUSHES.</u>					
<u>Release Valve Lever 18" & 21" Vacuum Brake Cylinder</u>	SW/DE/64470/2	30290-303	30405		
See Catalogue No. 9/19/11001.		30404			
DIAGRAM 6. ITEM 39.					
<u>BUSHES.</u>					
<u>Solenoid Casing. Combined Deadmans Control & Emergency Valve.</u>	Gresham &	30290	30294	30301	
DIAGRAM 5. ITEM 30.	Craven	30291	30296	30404	
	30/13924	30293	30298		
<u>BUSHES.</u>					
<u>Thrust Bracket. (Handbrake)</u>	Birmingham	30290	30294	30301	30405
See Catalogue No. 9/18/41821.	A.11516/C ^A	30291	30296-8	30303	
		30293	30300	30404	
<u>CAGES.</u>					
<u>Piston Ball Valve. 18" & 21" Vacuum Brake Cylinder.</u>	SW/DE/77061	30290-303	30405		
See Catalogue No. 9/19/11451.		30404			
DIAGRAM 6. ITEM 22.					
<u>CAPS.</u>					
<u>1" & 1 1/2" Automatic Isolating Valve.</u>	Gresham &	30290-303	30405		
1 5/16" o/d all x 1 43/64" s/flats.	Craven	30404			
DIAGRAM 3. ITEM 17.	17A/14091S.				
<u>CAPS.</u>					
<u>Bottom. 1 1/2" Feed Valve.</u>	Gresham &	30290	30294	30301	30405
See Catalogue No. 9/14/45127.	Craven	30291	30296-8	30303	
DIAGRAM 4. ITEM 15.	15A/11800	30293	30300	30404	

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>CAPS.</u>					
<u>Filler. Oil Separator.</u>	Clayton	30290	30294	30301	
<u>See Catalogue No. 9/14/45177.</u>	Dewandre.	30291	30296	30404	
	G. L. 2525/1	30293	30298		
<u>CAPS.</u>					
<u>Guards, Non-Auto.</u>	SC/DE/75044/1	30290-303	30405		
<u>See Catalogue No. 9/18/42271.</u>		30404			
<u>DIAGRAM 11. ITEM 9.</u>					
<u>CAPS.</u>					
<u>Screw, Handle, Drivers Brake Valve.</u>	Gresham &	30290	30294	30301	30405
<u>See Catalogue No. 9/14/45327.</u>	Craven	30291	30296-8	30303	
<u>DIAGRAM 10. ITEM 10.</u>	12/13552	30293	30300	30404	
<u>CAPS.</u>					
<u>Spring. (Passenger Communication Valve)</u>	SC/DE/77547.	30292	30299		
<u>See Catalogue No. 9/18/42381.</u>		30295	30302		
<u>DIAGRAM 7. ITEM 2.</u>					
<u>CAPS.</u>					
<u>Strainer. Combined Deadmans Control & Emergency Valve.</u>	Gresham &	30290	30294	30301	
<u>DIAGRAM 5. ITEM 6.</u>	Craven	30291	30296	30404	
	4/13924	30293	30298		
<u>CAPS.</u>					
<u>Trunnion</u>	Birmingham	30290	30294	30301	
<u>See Catalogue No. 9/14/45427. STEEL.</u>	A.11559/E	30291	30296	30404	
		30293	30298		
<u>CARRIERS.</u>					
<u>Brake Crossbar.</u>	Birmingham	30290	30294	30301	
<u>1' 1 3/4" x 8" x 4". STEEL.</u>	A.11559/H	30291	30296	30404	
		30293	30298		

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>CARRIERS.</u>					
<u>Pawl.</u>					
2.1/2" dia x 2.7/8" deep. Complete with 2 spigots.	CAST IRON.	Birmingham	30300		
One spigot tapped 5/8" whit x 1.3/8" deep.		A.11536/C.	30303		
<u>CASINGS.</u>					
<u>Solenoid, Combined Deadmans Control & Emergency Valve.</u>	Gresham &	30290	30294	30301	
DIAGRAM 5. ITEM 2.	Craven	30291	30296	30404	
	2/13924.	30293	30298		
<u>CHAMBERS.</u>					
<u>Timing, Complete, Combined Deadmans Control & Emergency Valve.</u>	Gresham &	30290	30294	30301	
DIAGRAM 5. ITEM 20.	Craven	30291	30296	30404.	
	20X/13924.	30293	30298		
<u>CLIPS.</u>					
<u>Exhauster Pipe.</u>	Birmingham	30290	30294	30301	
2" x 1.3/8" inside x 1/4" dia. 'U' shaped. Screwed one end 1/4" dia.	A.11535/S	30291	30296	30404	
whit x 9/16". STEEL.		30293	30298		
<u>CLIPS.</u>					
<u>Hosepipe. (Cylinder, Underframe, Bogie)</u>	Gresham &	30290-303	30405		
1.5/8" i/dia x 1.7/8" o/dia x 7/8". STEEL.	Craven	30404			
	14207.				
<u>CLIPS.</u>					
<u>Type 4. 1.1/4" x 3/16". Vacuum Brake Pipe.</u>	Birmingham	30290-303			
A. B. C. D. E.	A.11535/A	30404			
2.3/8" 1.3/16". 4.1/4". 5/8". 25/64"		30405			
STEEL.					
<u>COLLARS.</u>					
<u>Brake Screw Spindle. (Handbrake)</u>	Birmingham	30290	30294	30301	30405
See Catalogue No. 9/18/42701.	A.11516/E ^A	30291	30296-8	30303	
STEEL.		30293	30300	30404	

DESCRIPTION.	DRG. NO.	LOT NOS.
<u>COLLARS.</u>		
Shaft Exhauster.	Clayton	30290-6 30301
See Catalogue No. 9/14/47897.	Dewandre.	30298 30302
DIAGRAM 9. ITEM 7.	R.E. 658	30299 30404
<u>COLLARS.</u>		
Thrust, Handbrake, Screw Spindle.	Birmingham	30290 30294 30301 30405
See Catalogue No. 9/14/47947. STEEL.	A. 11516/V	30291 30296-8 30303
		30293 30300 30404
<u>COLUMNS.</u>		
Handbrake.	Birmingham	30290 30294 30404
Complete with Handwheel, Top, Pawl, Rack, Stud and Spindle.	A. 11516/A, B, C, D,	30291 30296-8 30405
2' 2.5/8", 9" dia base with four 13/16" dia holes.	E, F, G.	30293 30301
<u>COLUMNS.</u>		
Handbrake.	Birmingham	30290 30294 30404
2' 2.5/8" x 9" dia base, with four 13/16" dia holes. CAST IRON.	A. 11516/A	30291 30296-8 30405
		30293 30301
<u>CONNECTIONS.</u>		
Pipe, Exhauster.	Clayton	30290-6 30301
See Catalogue No. 9/14/48127.	Dewandre.	30298 30302
DIAGRAM 9. ITEM 16.	S. 1951/1	30299 30404
<u>CONTROLLERS.</u>		
Valve Bottom, Passenger Communication Valve.	SC/DE/77549.	30292 30299
Catalogue No. applied for in 9/18		30295 30302
DIAGRAM 7. ITEM 13.		
<u>CONTROLLERS.</u>		
Valve, Top, Passenger Communication Valve.	SC/DE/77548	30292 30299
Catalogue No. applied for in 9/18. LIGHT ALLOY.		30295 30302
Diagram 7. Item 12.		

DESCRIPTION.		DRG. NO.	LOT NOS.		
<u>CORDS.</u>					
Vacuum Release Valve.		Birmingham	30292	30299	30303
See Catalogue No. 9/19/14753.	. HEMP TARRED CORD.	A.11543/E	30295	30300	30405
			30297	30302	
<u>CORDS.</u>					
Vacuum Release Valve.		Birmingham	30290	30294	30301
See Catalogue No. 9/19/14766.	HEMP TARRED CORD.	A.11543/D	30291	30296	30404
			30293	30298	
<u>CORDS.</u>					
Vacuum Release Valve.		Birmingham	30292	30299	30303
See Catalogue No. 9/19/14769.	HEMP TARRED CORD.	A.11543/m	30295	30300	30405
			30297	30302	
<u>CORDS.</u>					
Vacuum Release Valve.		Birmingham	30290	30294	30301
See Catalogue No. 9/19/14772.	HEMP TARRED CORD.	A.11543/N	30291	30296	30404
			30293	30298	
<u>CORDS.</u>					
Vacuum Release Valve.		Birmingham	30292	30299	30303
See Catalogue No. 9/19/14823.	HEMP TARRED CORD.	A.11543/F	30295	30300	30405
			30297	30302	
<u>COUPLINGS.</u>					
Dummy (Exhauster Pipe)		Gresham &	30290	30294	30301
See Catalogue No. 9/14/48457.		Craven	30291	30296-8	30303
		14264.	30293	30300	30404
					30405

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>COUPLINGS.</u>				
<u>Dummy Train Pipe.</u> See Catalogue No. 9/18/42881.	Gresham & Craven 14265.	30290-303 30404	30405	
<u>COUPLINGS.</u>				
<u>Hose (Exhauster Pipe)</u> See Catalogue No. 9/14/48583.	Gresham & Craven 14266	30290-303 30404 30405		
<u>COUPLINGS.</u>				
<u>Hose (Train Pipe)</u> See Catalogue No. 9/18/42886.	Gresham & Craven 14267	30290-303 30404 30405		
<u>COVERS.</u>				
<u>Bottom, Emergency Valve Combined Deadmans Control.</u> DIAGRAM 5. ITEM 18	Gresham & Craven 18/13924.	30290 30291 30293	30294 30296 30298	30301 30404
<u>COVERS.</u>				
<u>Bottom 1" Passenger Communication Emergency Valve.</u> 2.5/16" x 2" dia. 3" Hole Centres. CAST IRON. DIAGRAM 8. ITEM 4.	Gresham & Craven 4/14092 S Assy 4/14092.	30290-303 30404 30405		
<u>COVERS.</u>				
<u>Combined Deadmans Control & Emergency Valve.</u> DIAGRAM 5. ITEM 11.	Gresham & Craven 11/13924	30290 30291 30293	30294 30296 30298	30301 30404
<u>COVERS.</u>				
<u>Drive End. Exhauster.</u> See Catalogue No. 9/14/48659. DIAGRAM 9. ITEM 4.	Clayton Dewandre 274/3	30290-6 30298 30299	30301 30302 30404	

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>COVERS.</u>					
Drivers Brake Valve. DIAGRAM 10. ITEM 15.	Gresham & Craven 17/13552.	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>COVERS.</u>					
Gland. Vacuum Brake Cylinder 18" & 21" Type. See Catalogue No. 9/19/15336. DIAGRAM 6. ITEM 15.	SW/DE/77057	30290-303 30404	30405		
<u>COVERS.</u>					
1.1/2" Feed Valve. See Catalogue No. 9/14/48709. DIAGRAM 4. ITEM 16.	Gresham & Craven 3A/11795.	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>COVERS.</u>					
1" Passenger Communication Emergency Valve. 4.1/8" x 3.1/2" x 2.1/2" L.H. BRASS. DIAGRAM 8. ITEM 3.	Gresham & Craven 3A/14092.	30290-303 30404 30405			
<u>COVERS.</u>					
1" Passenger Communication Emergency Valve. 4.1/8" x 3.1/2" x 2.1/2". BRASS R.H. DIAGRAM 8. ITEM 3.	Gresham & Craven 3/14092L Assy 3/14092.	30290-303 30404 30405			
<u>COVERS.</u>					
Rear End, Exhauster. See Catalogue No. 9/14/48679. DIAGRAM 9. ITEM 19.	Clayton Dewendre. 273/3	30290-6 30298 30299	30301 30302 30404		
<u>COVERS.</u>					
Release Valve Vacuum Brake Cylinder 18" & 21" See Catalogue No. 9/19/15351. DIAGRAM 6. ITEM 30.	SW/DE/77063.	30290-303 30404 30405			

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>COVERS.</u>				
<u>Spring 1" & 1.1/2" Automatic Isolating Valve.</u>	Gresham &	30290-303		
3" dia with oval flange. ALUMINIUM ALLOY.	Craven	30404		
DIAGRAM 3. ITEM 5.	5/14139 S	30405		
<u>COVERS.</u>				
<u>Top. Combined Deadmans Control & Emergency Valve.</u>	Gresham &	30290	30294	30301
DIAGRAM 5. ITEM 12.	Craven	30291	30296	30404
	12/13924.	30293	30298	
<u>COVERS.</u>				
<u>Top. Emergency Valve. Combined Deadmans Control.</u>	Gresham &	30290	30294	30301
DIAGRAM 5. ITEM 15.	Craven	30291	30296	30404
	15/13924	30293	30298	
<u>CROSSBARS.</u>				
<u>Brake.</u>	Birmingham	30290	30294	30301
3'8.9/16" x 8" x 1.13/16". 3'5.9/16" hole centres. STEEL.	A.11558/J	30291	30296	30404
DIAGRAM 1. ITEM 28.		30293	30298	
<u>CROSSBARS.</u>				
<u>Brake.</u>	Birmingham	30290	30294	30301
5'2.7/8" x 5" dia. Ends 1.1/4" dia. Complete with Washers & Nuts.	A.11558/P	30291	30296	30404
DIAGRAM 1. ITEM 19.		30293	30298	
<u>CROSSBARS.</u>				
<u>Brake.</u>	Birmingham	30290	30294	30301
5'2.7/8" x 3" dia. Ends 2.1/2" square.	A.11558/Q	30291	30296	30404
Complete with Nuts and Washers.		30293	30298	
DIAGRAM 1. ITEM 20. STEEL.				

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>CROSSBARS.</u>				
Triangular.	Birmingham	30292	30299	30303
5'6. 7/8" long o/all. 1'3. 11/16" hole centres. STEEL.	A. 11583/G	30295	30300	30405
Diagram 2. Item 11.		30297	30302	
<u>CYLINDERS.</u>				
Vacuum 18".	SW/DE/45967	30292	30299	30303
See Catalogue No. 9/19/16484.		30295	30300	30405
DIAGRAM 2. ITEM 1.		30297	30302	
<u>CYLINDERS.</u>				
Vacuum 21".	SW/DE/45968.	30290	30294	30301
See Catalogue No. 9/19/16489.		30291	30296	30404
DIAGRAM 1. ITEM 1. DIAGRAM 6.		30293	30298	
<u>DIAPHRAGMS.</u>				
1" & 1 1/2". Automatic Isolating Valve.	Gresham &	30290-303		
See Catalogue No. 9/14/49789.	Craven	30404		
DIAGRAM 3. ITEM 7.	7/14139 M	30405		
<u>DIAPHRAGMS.</u>				
Combined Deadmans Control Emergency Valve.	Gresham &	30290	30294	30301
See Catalogue No. 9/14/49809.	Craven	30291	30296	30404
DIAGRAM 5. ITEM 29.	5/9493	30293	30298	
<u>DIAPHRAGMS.</u>				
Combined Deadmans Emergency Valve.	Gresham &	30290	30294	30301
See Catalogue No. 9/14/49859.	Craven	30291	30296	30404
DIAGRAM 5. ITEM 17.	17/13924.	30293	30298	
<u>DIAPHRAGMS.</u>				
1 1/2" Feed Valve.	Gresham &	30290	30294	30301
See Catalogue No. 9/14/49759.	Craven	30291	30296-8	30303
DIAGRAM 4. ITEM 11.	11A/13292	30293	30300	30404
				30405

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>DIAPHRAGMS.</u>					
1. 1/2" Feed Valve. See Catalogue No. 9/14/49784. DIAGRAM 4. ITEM 19.	Gresham & Craven 7B/11795.	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>DIAPHRAGMS.</u>					
Release Valve. 18" & 21" Vacuum Brake Cylinder. See Catalogue No. 9/19/17000. DIAGRAM 6. ITEM 40.	SW/DE/77070.	30290-303 30404 30405			
<u>DISCS.</u>					
Air, Driver Brake Valve. See Catalogue No. 9/14/50084. DIAGRAM 10. ITEM 2.	Gresham & Craven 3/11823.	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>EQUALISERS.</u>					
6. 3/4" x 6" x 1". STEEL. DIAGRAM 2. ITEM 6.	Birmingham A. 11583/E	30292 30295 30297	30299 30300 30302	30303 30405	
<u>EXHAUSTERS.</u>					
See Catalogue No. 9/14/50924 DIAGRAM 9.	Clayton Dewandre. C. 725	30290-6 30298 30299	30301 30302 30404		
<u>EYEBOLTS.</u>					
(Passenger Communication Valve) 1.468" centre of eye to end, screwed 1/4" dia whit for 1.1/16" complete with washer. STEEL. DIAGRAM 7. ITEM 4.	SC/DE/77552.	30292 30295 30299	30302		
<u>EYEBOLTS.</u>					
Release Spring Link. 5.13/16" centre of eye to end. Screwed 5/8" dia whit x 4.3/16". STEEL.	Birmingham A. 11558/S	30290 30291 30293	30294 30296 30298	30301 30404	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>FERRULES.</u>				
<u>Brakeblock Suspension Bracket.</u> 1.1/64" i/dia x 1.1/2" o/dia x 2". STEEL.	Birmingham A.11585/E	30290 30291 30293	30294 30296 30298	30301 30404
<u>FERRULES.</u>				
<u>Brakeblock Suspension Bracket.</u> See Catalogue No. 9/14/51224.	Birmingham A.11585/F	30290 30291 30293	30294 30296 30298	30301 30404
<u>FERRULES.</u>				
<u>Brakeblock Suspension Bracket.</u> 1.23/64" i/dia x 2" o/dia x 3.9/16".	Birmingham A.11585/L	30292 30295 30297	30299 30300 30302	30303 30405
<u>FERRULES.</u>				
<u>Shield (Passenger Communication)</u> 1.1/8" long o/all x 3/8" i/dia. 1" dia x 1/8" flange one end, screwed 5/8" B.S.P. 14 T.P.I. x 1/4". ALLOY.	Birmingham A.11442/A	30290-303 30404	30405	
<u>FLANGES.</u>				
<u>Drivers Brake Valve.</u> See Catalogue No. 9/14/51434. DIAGRAM 10. ITEM 8.	Gresham & Craven. 12/11823.	30290 30291 30293	30294 30296-8 30300	30301 30303 30404
<u>FLANGES.</u>				
<u>Isolating Valve.</u> Triangular shaped with three holes 9/16" dia on 3.3/4" F.C.D. x 3/8"	Birmingham A.11543/K	30290-303 30404 30405		30405

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>FLANGES.</u>					
For Isolating Valve. STEEL. 3.15/16" x 3.15/16" x 3/8". Four holes 9/16" dia on 3.3/4" P.C.D.	Birmingham A.11543/L	30290-303 30404	30405		
<u>GLANDS.</u>					
Piston Rod. Vacuum Brake Cylinder 18" & 21" Type. See Catalogue No. 9/19/26500. DIAGRAM 6. ITEM 13.	SW/DE/64465/1	30290-303 30404 30405			
<u>GAUGES.</u>					
Vacuum, Duplex, Brake Compartment. See Catalogue No. 9/14/41809.	Westinghouse 227.A.81673	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>GAUGES.</u>					
Vacuum, Single. See Catalogue No. 9/18/43761.	SL/SW/195.	30290-6 30298 30299	30301 30302 30404		
<u>GUIDES.</u>					
Floating Lever 9.1/4" x 6.3/4" x 5" o/sll. L.H. STEEL. DIAGRAM 1. ITEM 13.	Birmingham A.11560/H	30290 30291 30293	30294 30296 30298	30301 30404	
<u>GUIDES.</u>					
Floating Lever. 9.1/4" x 6.3/4" x 5" o/sll. R.H. STEEL. DIAGRAM 1. ITEM 13.	Birmingham A.11560/M	30290 30291 30293	30294 30296 30298	30301 30404	
<u>GUIDES.</u>					
Spindle. Release Valve. Vacuum Brake Cylinder 18" & 21" See Catalogue No. 9/19/28106. DIAGRAM 6. ITEM 32.	SW/DE/77065	30290-303 30404 30405			

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>GUIDES.</u>					
Spring, 1" & 1.1/2" Automatic Isolating Valve. 2.1/2" o/dia x 3/8" i/dia. BRASS. DIAGRAM 3. ITEM 24	Gresham & Craven 24/14139 M	30290-303 30404 30405			
<u>GUIDES.</u>					
Valve. Combined Deadmans Control Emergency Valve. See Catalogue No. 9/14/52104. DIAGRAM 5. ITEM 7.	Gresham & Craven 7/13924	30290 30291 30293	30294 30296 30298	30301 30404	
<u>GUIDES.</u>					
Valve. Guards Non-Auto. See Catalogue No. 9/18/43841. DIAGRAM 11. ITEM 4.	SC/DE/75039.	30290-303 30404 30405			
<u>HANDLES.</u>					
Drivers Brake Valve. See Catalogue No. 9/14/52204. DIAGRAM 10. ITEM 3.	Gresham & Craven 4C/13552	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>HANDLES.</u>					
Handbrake Wheel. See Catalogue No. 9/18/44061.	Birmingham A.11516/H	30300 30303			
<u>HANGERS.</u>					
Brakeblock. 1'1.1/8" x 2.1/4" x 7/8". 10.7/8" hole centres. STEEL. DIAGRAM 2. ITEM 16.	Birmingham A.11583.F	30292 30295 30297	30299 30300 30302	30303 30405	
<u>HANGERS.</u>					
Brakeshaft or Vee.					
A.	B.	C.	D.		
Depth to centre of shaft hole.	Centre of Holes (Horizontal)	Centre of Holes (Vertical)	Straight or Cranked.		

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>HANGERS.</u>				
Brakeshaft or Vee. L.H.	Birmingham	30290	30294	30301
A. 1'7.1/2" B. 11.1/2" C. 2.13/16" D. Straight. STEEL.	A.11559/A	30291	30296	30404
		30293	30298	
<u>HANGERS.</u>				
Brakeshaft or Vee R.H.	Birmingham	30290	30294	30301
A. 1'7.1/2" B. 11.1/2" C. 2.13/16" D. Straight. STEEL.	A.11599/B	30291	30296	30404
		30293	30298	
<u>HANGERS.</u>				
Brakeshaft or Vee. L.H.	Birmingham	30292	30299	30303
A. 1'10.1/2" B. 1'2.1/2" C. 4.1/2" D. Straight. STEEL.	A.11606/T	30295	30300	30405
		30297	30302	
<u>HANGERS.</u>				
Brakeshaft or Vee. R.H.	Birmingham	30292	30299	30303
A. 1'10.1/2" B. 1'2.1/2" C. 4.1/2" D. Straight. STEEL.	A.11606/U	30295	30300	30405
		30297	30302	
<u>HANGERS.</u>				
Safety, Adjustable Pull Rod.	Birmingham	30292	30299	30303
1'5.3/16" long o/ell x 1.1/2" x 1/2". 4.3/8" between legs.	A.11583/N	30295	30300	30405
6.1/4" hole centres. STEEL.		30297	30302	
<u>HANGERS.</u>				
Safety Triangular Crossbar.	Birmingham	30292	30299	30303
1'3.1/4" long o/ell x 1.1/2" x 1/2". 1'0.9/16" between legs.	A.11583/J	30295	30300	30405
Short leg bent outwards. STEEL.		30297	30302	
<u>HANGERS.</u>				
Safety Triangular Crossbar.	Birmingham	30292	30299	30303
1'3.1/4" long o/ell x 1.1/2" x 1/2". 1'0.9/16" between legs.	A.11583/K	30295	30300	30405
Short leg bent inwards. STEEL.		30297	30302	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>HANGERS.</u>				
<u>Safety Triangular Crossbar.</u>	Birmingham	30292	30299	30303
1'4. 5/8" long o/all x 1.1/2" x 1/2". 1'5.1/8" between legs.	A.11583/L	30295	30300	30405
Short leg bent inwards. Long leg bent outwards. STEEL.		30297	30302	
<u>HANGERS.</u>				
<u>Safety. Triangular Crossbar.</u>	Birmingham	30292	30299	30303
1'4. 5/8" long o/all x 1.1/2" x 1/2". 1'5.1/8" between legs.	A.11583/M	30295	30300	30405
Both legs bent inwards. STEEL.		30297	30302	
<u>HANGERS.</u>				
<u>Safety, Vacuum Cylinder.</u>	Birmingham	30290	30294	30301
1'11.1/2" x 11.9/16" x 2.1/2" o/all STEEL.	A.11560/Q	30291	30296	30404
		30293	30298	
<u>HANGERS.</u>				
<u>Vertical Lever.</u>	Birmingham	30292	30299	30303
1'1" x 2.1/4" x 7/8". offset 1.19/32". 10.1/2" hole centres. STEEL.	A.11583/C	30295	30300	30405
DIAGRAM 2. ITEM 16.		30297	30302	
<u>HOLDERS</u>				
<u>Valve. Combined Deadmans Control & Emergency Valve.</u>	Gresham &	30290	30294	30301
2.7/8" dia x 3/8" with flange 1.3/4" dia x 1/32".	Craven	30291	30296	30404
DIAGRAM 5. ITEM 43	7/9251	30293	30298	
<u>HOLDERS.</u>				
<u>Washer. 1.1/2" Automatic Isolating Valve.</u>	Gresham &	30292	30299	30303
2.1/8" dia. BRASS.	Craven	30295	30300	30405
DIAGRAM 3. ITEM 19.	6/12711 S	30297	30302	
<u>HOOKS 'S'.</u>				
<u>Connection to Lever (Passenger Communication)</u>	Birmingham	30290-303		
1.1/8" long o/all x 3/8" i/dia x 13 S.W.G. STEEL.	A.11442/B	30404		
		30405		

DESCRIPTION.	DRG. NO.	LOT NOS.
<u>HOSEPIPES.</u>		
(Brake Cylinder)	Gresham &	30290-303 30405
See Catalogue No. 3/18/44321.	Craven	30404
	1/14207	
<u>HOSEPIPES.</u>		
(Vacuum Brake)	Gresham &	30290-303
See Catalogue No. 9/18/44352	Craven	30404
	14267	30405
<u>HOSEPIPES</u>		
(Exhauster Pipe)	Gresham &	30290-303
See Catalogue No. 9/14/53074	Craven	30404
	14266	30405
<u>INSERTS.</u>		
Nylon. Vacuum Brake Cylinder 18" & 21".	SW/DE/64465/2	30290-303
See Catalogue No. 9/19/34361.		30404
DIAGRAM 6. ITEM 14.		30405
<u>JOINTS.</u>		
Combined Deadmans Control Emergency Valve.	Gresham &	30290 30294 30301
See Catalogue No. 9/14/53434.	Craven	30291 30296 30404
DIAGRAM 5. ITEM 14.	14/13924.	30293 30298
<u>JOINTS.</u>		
Combined Deadmans Control Emergency Valve.	Gresham &	30290 30294 30301
2 7/8" hole centres x 2" o/dia x 1 1/2" i/dia.	Craven	30291 30296 30404
DIAGRAM 5. ITEM 59.	59/13924	30293 30298

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>JOINTS.</u>					
Drivers Brake Valve. See Catalogue No. 9/14/53469. DIAGRAM 10. ITEM 13.	Gresham & Craven 15/13552	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>JOINTS.</u>					
End Cover. Exhauster. See Catalogue No. 9/14/53489. DIAGRAM 9. ITEM 31.	Clayton Dewandre. R.E. 961	30290-6 30298 30299	30301 30302 30404		
<u>JOINTS.</u>					
1 1/2" Feed Valve. See Catalogue No. 9/14/53399. DIAGRAM 4. ITEM 23.	Gresham & Craven 23/14196	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>JOINTS.</u>					
(Foundation Ring & Cylinder) 18" Vacuum Brake Cylinder. See Catalogue No. 9/19/34640. DIAGRAM 6. ITEM 18	SW/DE/77059/2	30292 30295 30297	30299 30300 30302	30303 30405	
<u>JOINTS.</u>					
(Foundation Ring & Cylinder) 21" Vacuum Brake Cylinder. Catalogue No. applied for. DIAGRAM 6. ITEM 18	SW/DE/77059.	30290 30291 30293	30294 30296 30298	30301 30404	
<u>JOINTS.</u>					
Manifold, Exhauster. See Catalogue No. 9/14/53499. DIAGRAM 9. ITEM 29.	Clayton Dewandre R.E. 952	30290-6 30298 30299	30301 30302 30404		
<u>JOINTS.</u>					
Oil Separator Flange. See Catalogue No. 9/14/53519.	Clayton Dewandre S.O. 1786	30290 30291 30293	30294 30296 30298	30301 30404	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>JOINTS.</u>				
Piston Head Washer. 18" & 21" Vacuum Brake Cylinder. See Catalogue No. 9/19/34840. DIAGRAM 6. ITEM 10.	SW/DE/77054.	30290-303 30404 30405		
<u>JOINTS.</u>				
Release Valve. 18" & 21" Vacuum Brake Cylinder. See Catalogue No. 9/19/34800. DIAGRAM 6. ITEM 20.	SW/DE/77060	30290-303 30404 30405		
<u>JOINTS.</u>				
Transit Screw. 18" & 21" Vacuum Brake Cylinder. See Catalogue No. 9/19/34940. DIAGRAM 6. ITEM 45.	SW/DE/77090/2	30290-303 30404 30405		
<u>KEYS.</u>				
Brakeblock. See Catalogue No. 9/18/44961. DIAGRAM 1. ITEM 18. DIAGRAM 2. ITEM 12.	Birmingham A.11585/C	30290-303 30404 30405		
<u>KEYS.</u>				
Drive, Exhauster. See Catalogue No. 9/14/53674. DIAGRAM 9. ITEM 11.	Clayton Dewandre 117/11	30290-6 30298 30299	30301 30302 30404	
<u>LEVERS.</u>				
<u>VERTICAL.</u> 1'11.1/4" x 3.3/4" x 1/2". 1'2" x 7" hole centres. STEEL. DIAGRAM 2. ITEM 8.	Birmingham A.11583/A	30292 30295 30297	30299 30300 30302	30303 30405
<u>LEVERS.</u>				
<u>Fulcrum.</u> 2'2.1/2" x 4.3/8" x 7/8". 1'4.1/4" x 7.7/16" hole centres, STEEL. DIAGRAM 1. ITEM 7.	Birmingham A.11558/A	30290 30291 30293	30294 30296 30298	30301 30404

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>LEVERS.</u>				
<u>Floating.</u> 2'2.1/2" x 4.3/8" x 7/8". 1'4.1/2" x 7.7/16" hole centres. STEEL. DIAGRAM 1. ITEM 6.	Birmingham A.11558/B	30290 30291 30293	30294 30296 30298	30301 30404
<u>LEVERS.</u>				
<u>Fulcrum.</u> 1'6" x 3.13/16" tapered to 2.1/4" x 1/2". 10.1/2" x 5.1/4" x 1.9/16" hole centres. STEEL. DIAGRAM 2. ITEM 9.	Birmingham A.11583/B	30292 30295 30297	30299 30300 30302	30303 30405
<u>LEVERS.</u>				
<u>Vertical (Handbrake)</u> 1'11.1/2" x 4.1/4" x 1". 1'3.5/8" x 5.3/8" hole centres. STEEL. DIAGRAM 1. ITEM 26	Birmingham A.11516/A ^A	30290 30291 30293	30294 30296 30298	30301 30404
<u>LEVERS.</u>				
<u>Guards, Non-Auto Valve.</u> See Catalogue No. 9/18/45351. DIAGRAM 11. ITEM 7	SC/DE/75042	30290-303 30404 30405		
<u>LEVERS.</u>				
<u>Horizontal.</u> 1'2.1/2" x 4" x 1/2". 9" x 3" hole centres. STEEL. DIAGRAM 1. ITEM 12.	Birmingham A.11558/D	30290 30291 30293	30294 30296 30298	30301 30404
<u>LEVERS.</u>				
<u>Horizontal.</u> 1'3.1/2" x 3" x 1/2". 6" x 3" hole centres. STEEL.	Birmingham A.11558/E	30290 30291 30293	30296 30298 30301	30294 30404

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>LEVERS.</u>				
<u>Horizontal.</u>				
3'6.5/8" o/ell x 3.3/4" x 3.3/4". Cranked.	Birmingham	30297	30405	
1'10" x 1'6.3/8" hole centres. STEEL.	A.11606/H	30300		
		30303		
<u>LEVERS.</u>				
<u>Lifting 1" Passenger Communication Emergency Valve.</u>	Gresham &	30290-303		
2.3/4" x 1" with 7/16" square. CAST IRON.	Craven	30404		
DIAGRAM 8. ITEM 11.	13/14092 S	30405		
	Assy 13/14092			
<u>LEVERS.</u>				
<u>Pull. 1" Passenger Communication Emergency Valve.</u>	Gresham &	30290-303		
4.7/32" o/ell. 3" hole centres with 9/16" square hole one	Craven	30404		
end. BRASS.	24/14092 S	30405		
DIAGRAM 8. ITEM 20	Assy 24/14092			
<u>LEVERS.</u>				
<u>Release Valve. 18" & 21" Vacuum Brake Cylinder.</u>	SW/DE/64470/1	30290-303		
See Catalogue No. 9/19/43841.		30404		
DIAGRAM 6. ITEM 37		30405		
<u>LEVERS.</u>				
<u>Vertical.</u>	Birmingham	30290	30294	30301
1'1.1/2" x 4" x 1/2". 6.3/8" x 4.1/8" hole centres. STEEL.	A.11558/C	30291	30296	30404
DIAGRAM 1. ITEM 5.		30293	30298	
<u>LIDS.</u>				
<u>Valve. (Passenger Communication Valve)</u>	SC/DE/64637	30292	30302	
See Catalogue No. 9/18/45391.		30295		
DIAGRAM 7. ITEM 16.		30299		
<u>LINERS.</u>				
<u>Lever Guide. L.H.</u>	Birmingham	30290	30294	30301
6.5/8" x 4.3/8" x 5/16". MINTEX.	A.11560/A	30291	30296	30404
		30293	30298	

DESCRIPTION	DRG. NO.	LOT NOS.		
<u>LINERS.</u>				
Lever Guide. R.H. 6. 5/8" x 4. 3/8" x 5/16". MINTEX.	Birmingham A. 1156Q/B	30290 30291 30293	30294 30296 30298	30301 30404
<u>LINERS.</u>				
Lever Guide. 6. 3/4" x 4. 1/8" x 5/16" L.H. MINTEX.	Birmingham A. 1156Q/C	30290 30291 30293	30294 30296 30298	30301 30404
<u>LINERS.</u>				
Lever Guide. 6. 3/4" x 4. 1/8" x 5/16" R.H. MINTEX.	Birmingham A. 1156Q/D	30290 30291 30293	30294 30296 30298	30301 30404
<u>LINERS.</u>				
Brake Crossbeam. 4. 1/2" x 2. 1/2" x 5/16". 2. 1/2" hole centres. MINTEX.	Birmingham A. 1156Q/E	30290 30291 30293	30294 30296 30298	30301 30404
<u>LINERS.</u>				
Horizontal Lever Support. 7. 1/2" x 1. 1/2" x 5/16". 2. 3/4" x 2. 3/4" hole centres. MINTEX.	Birmingham A. 1156Q/K.	30290 30291 30293	30294 30296 30298	30301 30404
<u>LINKS.</u>				
Handbrake. 1'-5. 1/4" x 2. 1/4" x 1/2". Offset 7/8". 1'-0" x 3" Hole Centres. STEEL.	Birmingham A. 11606/A	30297 30300 30303	30405	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>LINKS.</u>				
<u>Handbrake.</u>	Birmingham	30290	30294	30301
1'2.1/4" x 2.1/4" x 1/2". 1'0" Hole Centres complete. STEEL.	A.11516/P	30291	30296	30404
		30293	30298	
<u>LINKS.</u>				
<u>Handbrake.</u>	Birmingham	30292	30299	30303
1'1.3/8" x 2.1/4" x 1". 8" x 3.1/8" hole centres. STEEL.	A.11606/N	30295	30300	30405
DIAGRAM 2. ITEM 4.		30297	30302	
<u>LINKS.</u>				
<u>Hanger (Brake Block)</u>	Birmingham	30290	30294	30301
1'3.3/8" x 1.3/4" x 7/8". 1'1" hole centres. STEEL.	A.11558/F	30291	30296	30404
DIAGRAM 1. ITEM 25.		30293	30298	
<u>LINKS.</u>				
<u>Horizontal Lever.</u>	Birmingham	30290	30294	30301
7" x 2.9/16" x 2.7/16" one end forked, eye at other. STEEL.	A.11558/L	30291	30296	30404
DIAGRAM 1. ITEM 15.		30293	30298	
<u>LINKS.</u>				
<u>Fulcrum Bracket.</u>	Birmingham	30297	30303	
8.3/8" x 2.7/8" x 2.1/4". 6.1/8" hole centres. STEEL.	A.11606/B	30300	30405	
<u>LINKS.</u>				
<u>Lever. Cylinder.</u>	Birmingham	30290	30294	30301
1'9.3/4" x 3" x 1/2". Offset 1/8". 1'1.3/4" x 5" hole centres.	A.11559/K	30291	30296	30404
DIAGRAM 1. ITEM 2. STEEL.		30293	30298	
<u>LINKS.</u>				
<u>Lever. Brake Cylinder.</u>	Birmingham	30297	30405	
1'3" o/eil x 3" x 1/2". Offset 3/8". 8.1/4" x 3.3/4" hole centres.	A.11606/Q	30300		
STEEL.		30303		

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>LINKS.</u>				
<u>Lever & Pull Rod (Handbrake)</u>	Birmingham	30290	30294	30301
7. 3/4" x 2 1/4" x 2 1/4".	A. 11516/X	30291	30296	30404
Fork Ends Bushed. STEEL.		30293	30298	
<u>LINKS.</u>				
<u>Release Spring.</u>	Birmingham	30290	30294	30301
9. 1/4" o/all x 5/8" dia. 7" Hole Centres. Eyed both ends.	A. 11558/R	30291	30296	30404
DIAGRAM 1. ITEM 22. STEEL.		30293	30298	
<u>LINKS.</u>				
<u>Vertical Lever to Brakeshaft Lever.</u>	Birmingham	30290	30294	30301
6. 1/4" x 2 3/4" x 15/16". 3. 1/2" Hole Centres. STEEL.	A. 11558/U	30291	30296	30404
		30293	30298	
<u>MANIFOLDS.</u>				
<u>Inlet & Exhaust Chambers, Exhauster.</u>	Clayton	30290-6	30301	
See Catalogue No. 9/14/55459.	Dewandre	30298	30302	
DIAGRAM 9. ITEM 28.	R.E. 1002	30299	30404	
<u>MANIFOLDS.</u>				
<u>Isolating. Deadmans Control.</u>	Gresham &	30290	30294	30301
See Catalogue No. 9/14/55479.	Craven	30291	30296	30404
DIAGRAM 5. ITEM 3.	14257	30293	30298	
<u>NIPPLES.</u>				
<u>Guards Non-Auto.</u>	SC/DE/77643.	30290-303		
1. 3/8" long. Screwed 3/8" B.S.F. for 3/4" one end and 1/4" B.S.F.		30404		
for 3/8" other.		30405		
DIAGRAM 11. ITEM 8.				
<u>NUTS.</u>				
<u>Adaptor. 1 1/2" Feed Valve.</u>	Gresham &	30290	30294	30301 30405
Tapped 1 3/4" dia. 16 T.P.I. x 9/16" thick. STEEL.	Craven	30291	30296-8	30303
DIAGRAM 4. ITEM 6.	6/14.196	30293	30300	30404

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>NUTS.</u>				
<u>Adjusting.</u>				
See Catalogue No. 9/14/55895. STEEL.	Birmingham	30290	30294	30301
DIAGRAM 1. ITEM 21.	A.11558/M	30291	30296	30404
		30293	30298	
<u>NUTS.</u>				
<u>1.1/2" Automatic Isolating Valve.</u>	Gresham &	30292	30299	30303
5/8" dia. whit x 3/8" thick. BRASS.	Craven	30295	30300	30405
DIAGRAM 3. ITEM 25	16/11409	30297	30302	
<u>NUTS.</u>				
<u>Diaphragm 1" & 1.1/2" Automatic Isolating Valve.</u>	Gresham &	30290-303		
59/64" square. BRASS.	Craven	30404		
DIAGRAM 3. ITEM 22.	22/14139 S	30405		
<u>NUTS.</u>				
<u>Diaphragm, Emergency Valve Combined Deadmans Control.</u>	Gresham &	30290	30294	30301
DIAGRAM 5. ITEM 47.	Craven	30291	30296	30404
	47/13924	30293	30298	
<u>NUTS.</u>				
<u>Diaphragm. Release Valve. Vacuum Brake Cylinder 18" & 21".</u>				
See Catalogue No. 9/19/48301.	SW/DE/77066	30290-303	30405	
DIAGRAM 6. ITEM 34.		30404		
<u>NUTS.</u>				
<u>Piston Rod, Vacuum Brake Cylinder 18" & 21" type.</u>	SW/DE/77052.	30290-303	30405	
See Catalogue No. 9/19/48701.		30404		
DIAGRAM 6. ITEM 7.				
<u>NUTS.</u>				
<u>Valve. Combined Deadmans Control Emergency Valve.</u>	Gresham &	30290	30294	30301
DIAGRAM 5. ITEM 42.	Craven	30291	30296	30404
	42/13924.	30293	30298	

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>NUTS.</u>					
Valve Guide Guards Non-Auto. Std. 5/8" B.S.W. Drilled for 2 B.A. Grub Screw. DIAGRAM 11. ITEM 2.	SC/DE/75040	30290-303 30404 30405			
<u>PACKINGS.</u>					
Bush, Vacuum Brake Cylinder 18" & 21" type. See Catalogue No. 9/19/49671. DIAGRAM 6. ITEM 12.	SW/DE/77056	30290-303 30404 30405			
<u>PACKINGS.</u>					
Isolating & Feed Valve Flange. Triangular shaped with three holes 9/16" dia on P.C.D. 3.3/4" x 3/16" thick. CORK.	Birmingham A.11543/G	30290-303 30404 30405			
<u>PACKINGS.</u>					
Passenger Communication Valve. 4.1/8" x 1.3/4" x 1/8". 3" hole centres. CORK.	Birmingham A.11543/J	30290-303 30404 30405			
<u>PACKINGS.</u>					
Valve. Isolating & Feed. 3.15/16" x 3.15/16" x 3/16" Four 9/16" dia holes on 3.3/4" P.C.D. CORK.	Birmingham A.11543/H	30290-303 30404 30405			
<u>PAWLS.</u>					
Handbrake Wheel. See Catalogue No. 9/18/46259. STEEL.	Birmingham A.11516/F	30290 30291 30293	30294 30296-8 30301	30404 30405	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>PEGS.</u>				
Locating End Cover, Exhauster. See Catalogue No. 9/14/56384. DIAGRAM 9. ITEM 22.	Clayton Dewandre R. E. 753.	30290-6 30298 30299	30301 30302 30404	
<u>PIECES.</u>				
Clutch 1" Passenger Communication Emergency Valve. 1 1/2" dia. x 7/8" with 5/16" square hole. Knurled L.H. BRASS DIAGRAM 8. ITEM 12.	Gresham & Craven 14/14092 M	30290-303 30404	30405	
<u>PIECES.</u>				
Clutch 1" Passenger Communication Emergency Valve. 1 1/2" dia x 7/8" with 5/16" square hole. Knurled R.H. BRASS. DIAGRAM 8. ITEM 12.	Gresham & Craven 14A/14092 Assy 14/14092	30290-303 30404 30405		
<u>PINS.</u>				
Horizontal Lever etc., See Catalogue No. 9/14/56604. STEEL.	Birmingham A. 11568/A ^B	30290 30291 30293	30294 30296 30298	30301 30404
<u>PINS.</u>				
Pull Rod Brakeshaft etc., See Catalogue No. 9/14/56634. STEEL.	Birmingham A. 11568/G ^B	30292 30295 30297	30299 30300 30302	30303 30405.
<u>PINS.</u>				
Equaliser & Vertical Lever. See Catalogue No. 9/14/56644. STEEL.	Birmingham A. 11568/N ^C	30290-303 30404	30405	
<u>PINS.</u>				
Pull Rod & Lever. See Catalogue No. 9/14/56674. STEEL.	Birmingham A. 11568/Z ^B	30290 30291 30293	30294 30296 30298	30301 30404
<u>PINS.</u>				
Crossbar & Tie Rod. See Catalogue No. 9/14/56684. STEEL.	Birmingham A. 11568/E ^B	30290 30291 30293	30294 30296 30298	30301 30404

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>PINS.</u>				
<u>Vertical Link & Lever etc.,</u>	Birmingham	30290	30294	30301
<u>See Catalogue No. 9/14/56694.</u> STEEL.	A.11568/C ^B	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Vertical Lever etc.,</u>	Birmingham	30290	30294	30301
<u>See Catalogue No. 9/14/56714.</u> STEEL.	A.11568/B ^B	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Lever Guide etc.,</u>	Birmingham	30290	30294	30301
<u>See Catalogue No. 9/14/56734.</u> STEEL.	A.11568/D ^B	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Block Link Bracket.</u>	Birmingham	30292	30299	30303
<u>See Catalogue No. 9/14/56769.</u> STEEL.	A.11568/F ^B	30295	30300	30405
		30297	30302	
<u>PINS.</u>				
<u>Lever Bracket & Lever.</u>	Birmingham	30290-303	30405	
<u>See Catalogue No. 9/14/56824.</u> STEEL.	A.11568/K ^B	30404		
<u>PINS.</u>				
<u>Brakeshaft & Lever.</u>	Birmingham	30290	30294	30301
<u>See Catalogue No. 9/14/56834.</u> STEEL.	A.11568/S ^C	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Brakework, Fulcrum Bracket Link, Pull Rod to Fulcrum Link,</u>	Birmingham	30297	30405	
<u>Pull Rod to Horizontal Lever.</u>	A.11568/Q ^C	30300		
<u>3.7/32" w/head to centre of pin hole x 7/8" dia.</u> STEEL.		30303		
<u>PINS.</u>				
<u>Link and Brakeshaft Lever.</u>	Birmingham	30290	30294	30301
<u>4.1/32" w/head to centre of pin hole x 7/8" dia.</u> STEEL.	A.11568/Y ^B	30291	30296	30404
		30293	30298	

DESCRIPTION	DRG. NO.	LOT NOS.		
<u>PINS.</u>				
<u>Brakework, Fulcrum Bracket to Link.</u>	Birmingham	30297	30303	
4. 9/32" u/head to centre of pin hole x 7/8" dia. STEEL.	A. 11568/FC	30300	30405	
<u>PINS.</u>				
<u>Lever Link.</u>				
2. 31/32" u/head to centre of pin hole. STEEL.	Birmingham	30290	30294	30301
x 1" dia.	A. 11568/J ^B	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Fulcrum Lever, Swing Link Lever and Brake Crossbar.</u>	Birmingham	30292	30299	30303
4. 7/32" u/head to centre of pin hole. x 1" dia. STEEL.	A. 11568/L ^B	30295	30300	30405
		30297	30302	
<u>PINS.</u>				
<u>Lever Link.</u>	Birmingham	30290	30294	30301
2. 31/32" u/head to centre of pin hole x 1.1/8" dia. STEEL.	A. 11568/N ^B	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Lever Link.</u>	Birmingham	30290-303	30404	
3. 5/32" u/head to centre of pin hole. x 1.1/8" dia. STEEL.	A. 11568/P ^B	30405		
<u>PINS.</u>				
<u>Lever Link.</u>	Birmingham	30290	30294	30301
3. 21/32" u/head to centre of pin hole x 1.1/8" dia. STEEL.	A. 11568/Q ^B	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Handbrake Pull Rod.</u>	Birmingham	30290	30294	30301
2. 13/32" u/head to centre of pin hole x 1.1/4" dia. STEEL.	A. 11568/S ^B	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Brake Crossbar.</u>	Birmingham	30290	30294	30301
2. 29/32" u/head to centre of pin hole. x 1.1/4" dia. STEEL.	A. 11568/T ^B	30291	30296	30404
		30293	30298	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>PINS.</u>				
<u>Vertical Lever, & Vertical Lever Bracket.</u>	Birmingham	30290	30294	30301
2.15/32" u/head to centre of pin hole x 1.3/8" dia. STEEL.	A.11568/W ^B	30291	30296	30404
		30293	30298	
<u>PINS.</u>				
<u>Suspension Bolt.</u>	Birmingham	30290-303	30405	
5.15/32" u/head to centre of pin hole x 1.1/2" dia. STEEL.	A.11568/J ^D	30404		
<u>PINS.</u>				
<u>Contact, Cover. Combined Deadmans Control Emergency Valve.</u>	Gresham &	30290	30294	30301
DIAGRAM 5. ITEM 36.	Craven	30291	30296	30404
	36/13924	30293	30298	
<u>PINS.</u>				
<u>Contact Valve. Combined Deadmans Control & Emergency Valve.</u>	Gresham &	30290	30294	30301
DIAGRAM 5. ITEM 37.	Craven	30291	30296	30404
	37/13924	30293	30298	
<u>PINS.</u>				
<u>Fulcrum (Passenger Communication Valve)</u>	SG/DE/77554	30292	30302	
See Catalogue No. 9/18/46751.		30295		
DIAGRAM 7. ITEM 6.		30299		
<u>PINS.</u>				
<u>Hinge, Valve Lid (Passenger Communication Valve)</u>	SG/DE/77563.	30292	30299	
See Catalogue No. 9/18/46771.		30295	30302	
DIAGRAM 7. ITEM 10.				
<u>PINS.</u>				
<u>Lever. Release Valve 18" & 21" Vacuum Brake Cylinder.</u>	SW/DE/77068	30290-303	30405	
See Catalogue No. 9/19/51956.		30404		
DIAGRAM 6. ITEM 36				

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>PINS.</u>					
Shackle. 1" Passenger Communication Emergency Valve. 3/4" x 1/4" dia. Head 3/8" dia x 1/8". STEEL. DIAGRAM 8. ITEM 18.	Gresham & Craven 21/14092 S Assy 21/14092	30290-303 30404 30405			
<u>PINS.</u>					
Valve Lever, Guards Non-Auto. 1. 5/16" u/head to centre of pin hole x 3/8" dia. Head 1/2" dia x 3/32". STEEL. DIAGRAM 11. ITEM 1.	SC/DE/75043	30290-303 30404 30405			
<u>PISTONS.</u>					
Vacuum Brake Cylinder 18" type. See Catalogue No. 9/19/52870. DIAGRAM 6. ITEM 5.	SW/DE/64473.	30292 30295 30297	30299 30300 30303	30302 30405	
<u>PISTONS.</u>					
Vacuum Brake Cylinder 21" See Catalogue No. 9/19/52951. DIAGRAM 6. ITEM 5.	SW/DE/64463.	30290 30291 30293	30294 30296 30298	30301 30404	
<u>PLATES.</u>					
Access Cover (Passenger Communication) 3. 1/4" x 2. 3/4" x 16 S.W.G. 2. 3/4" hole centres. ALUMINIUM	Birmingham A. 11442/T	30290-303 30404	30405		
<u>PLATES.</u>					
Adjusting 1. 1/2" Feed Valve. 3" o/dia with 2. 3/8" dia. flange x 7/16". STEEL. DIAGRAM 4. ITEM 13.	Gresham & Craven 13/11800.	30290 30291 30293	30294 30296-8 30300	30301 30303	
<u>PLATES.</u>					
DIAPHRAGM 1. 1/2" Feed Valve. 3. 1/2" o/dia x 4. 1/64" i/dia x 3/16". STEEL. DIAGRAM 4. ITEM 7.	Gresham & Craven 7/11800	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>PLATES.</u>				
Sealing, with Peg, Exhauster. See Catalogue No. 9/14/58044. DIAGRAM 9. ITEM 5.	Clayton Dewandre. S.A. 933.	30290-6 30298 30299	30301 30302 30404	
<u>PLATES.</u>				
Strainer, Combined Deadmans Control Emergency Valve. 31/32" dia x 18 S.W.G. DIAGRAM 5. ITEM 24	Gresham & Craven 15/9493.	30290 30291 30293	30294 30296 30298	30301
<u>PLUGS.</u>				
Combined Deadmans Control & Emergency Valve. 2.1/4" o/dia of collar, screwed 1.1/2" BSP x 9/16", width 1.1/16" DIAGRAM 5. ITEM 62. STEEL.	Gresham & Craven 62/13924	30290 30291 30293	30294 30296 30298	30301 30404
<u>PLUGS.</u>				
Body, Exhauster. See Catalogue No. 9/14/58254. DIAGRAM 9. ITEM 12.	Clayton Dewandre. S.F. 16/167	30290-6 30298 30299	30301 30302 30404	
<u>PLUGS.</u>				
End Cover, Exhauster. See Catalogue No. 9/14/58274. DIAGRAM 9. ITEM 20.	Clayton Dewandre. S.F. 16/41	30290-6 30298 30299	30301 30302 30404	
<u>PLUNGERS.</u>				
Diaphragm 1" & 1.1/2" Automatic Isolating Valve. DIAGRAM 3. ITEM 8. STEEL.	Gresham & Craven 8/14139 S	30290-303 30404 30405		
<u>PLUNGERS.</u>				
Drivers Brake Valve. See Catalogue No. 9/14/58354 DIAGRAM 10. ITEM 4. STEEL.	Gresham & Craven 5/A. 13552.	30290 30291 30293	30294 30296-8 30300	30301 30303 30404
				30405

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>RACKS.</u>				
<u>Handbrake Column.</u>	Birmingham	30290	30294	30404
See Catalogue No. 9/18/47201	A. 11516/C	30291	30296-8	30405
CAST IRON.		30293	30301	
<u>RESERVOIRS.</u>				
<u>Release for Vacuum Brake.</u>	Birmingham	30290	30294	30301
2'9" long 1'7" dia. STEEL.	A. 11543/B	30291	30296	30404
		30293	30298	
<u>RESERVOIRS.</u>				
<u>Release for Vacuum Brake.</u>	Birmingham	30290	30294	30301
3'6" long x 1'0" dia. STEEL.	A. 11543/A	30291	30296	30404
		30293	30298	
<u>RESERVOIRS.</u>				
<u>Release for Vacuum Brake.</u>	Birmingham	30292	30299	30303
5'6" long x 1'7" dia. STEEL.	A. 11543/C	30295	30300	30405
		30297	30302	
<u>RINGS.</u>				
<u>Floating, Exhauster.</u>	Clayton	30290-6	30301	
See Catalogue No. 9/14/58754.	Dewandre	30298	30302	
DIAGRAM 9. ITEM 10.	R. E. 910	30299	30404	
<u>RINGS.</u>				
<u>Foundation, Vacuum Brake Cylinder 18" type.</u>	SW/DE/77072	30292	30299	30303
See Catalogue No. 9/19/66983.		30295	30300	30405
DIAGRAM 6. ITEM 3.		30297	30302	
<u>RINGS.</u>				
<u>Foundation, Vacuum Brake Cylinder 21".</u>	SW/DE/77051	30290	30294	30301
See Catalogue No. 9/19/66986.		30291	30296	30404
		30293	30298	

DESCRIPTION.				DRG. NO.	LOT NOS.		
<u>RINGS.</u>							
Rolling, Vacuum Brake Cylinder 21".				SW/DE/64466	30290	30294	30301
See Catalogue No. 9/19/67010.					30291	30296	30404
DIAGRAM 6. ITEM 17					30293	30298	
<u>RINGS.</u>							
Rolling, 18" Vacuum Brake Cylinder.				SW/DE/64466/2	30292	30299	30303
See Catalogue No. 9/19/67013.					30295	30300	30405
DIAGRAM 6. ITEM 17.					30297	30302	
<u>RODS.</u>							
Piston, Vacuum Brake Cylinder 18" & 21".				SW/DE/64464	30290-303		
See Catalogue No. 9/19/67701.					30404		
DIAGRAM 6. ITEM 6.					30405		
<u>RODS.</u>							
<u>Pull.</u>				Birmingham	30290	30294	30301
<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>	A. 11558 G	30291	30296	30404
10.1/4" centre of	1" dia.	Eye &	Adjuster.		30293	30298	
eye to end.		Screw.					
DIAGRAM 1. ITEM 8.							
<u>RODS.</u>							
<u>Pull.</u>				Birmingham	30292	30299	30303
See Catalogue No. 9/14/59124.				A. 11583/D	30295	30300	30405
DIAGRAM 2. ITEM 10.					30297	30302	
<u>RODS.</u>							
<u>Pull.</u>				Birmingham	30297	30405	
<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>	A. 11606/K	30300		
1'7.3/8" with	7/8" dia.	Jaw.	Handbrake to Horizontal		30303		
11.3/8" x 15/16"			Lever to Brakeshaft.				
slot.							

DESCRIPTION.				DRG. NO.	LOT NOS.		
<u>RODS.</u>							
<u>Pull.</u>							
<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>	Birmingham	30297	30405	
1'8" centre of	7/8" dia.	Jaw & Screw.	Handbrake to Horizontal	A.11606/G	30300		
hole to end			Lever.		30303		
<u>RODS.</u>							
<u>Pull.</u>							
<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>	Birmingham	30290	30294	30301
2'5.5/8".	7/8" dia.	Jaw & Slot	Handbrake.	A.11516/N	30291	30296	30404
DIAGRAM 1. ITEM 10.					30293	30298	
<u>RODS.</u>							
<u>Pull.</u>							
<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>	Birmingham	30290	30294	30301
3'3.1/2".	7/8" dia.	Eye	Handbrake.	A.11516/B ^A	30291	30296	30404
DIAGRAM 1. ITEM 29.					30293	30298	
<u>RODS.</u>							
<u>Pull.</u>							
<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>	Birmingham	30297	30405	
4'7"	7/8" dia.	Eye & Jaw.	Handbrake to Fulcrum Link.	A.11606/D	30300		
					30303		
<u>RODS.</u>							
<u>Pull.</u>							
<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>	Birmingham	30292	30299	30303
5'1.3/4".	7/8" dia.	Jaw.	Power Brake Underframe to	A.11606/M	30295	30300	30405
DIAGRAM 2. ITEM 3.			Bogie. STEEL.		30297	30302	
<u>RODS.</u>							
<u>Pull.</u>							
<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>	Birmingham	30297	30303	
5'4" o/all	7/8" dia.	Screw.	Handbrake to Horizontal Lever.	A.11606/Y	30300	30405	

DESCRIPTION.					DRG. NO.	LOT NOS.		
<u>RODS.</u>								
<u>Full.</u>	<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>				
	6'1.3/8".	7/8" dia.	Jaw.	Power Brake Underframe to	Birmingham	30292	30299	30303
				Bogie. STEEL.	A.11606/L	30295	30300	30405
	DIAGRAM 2.	ITEM 5.				30297	30302	
<u>RODS.</u>								
<u>Full.</u>	<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>				
	7'0" o/all.	7/8" dia.	Screw,	Handbrake to Horizontal	Birmingham	30297	30303	
				Lever.	A.11606/F	30300	30405	
<u>RODS.</u>								
<u>Full.</u>	<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>				
	7'9.3/16"	7/8" dia.	Jaw.	Connecting Horizontal Lever.	Birmingham	30290	30294	30301
	DIAGRAM 1.	ITEM 27.			A.11558/N	30291	30296	30404
						30293	30298	
<u>RODS.</u>								
<u>Full.</u>					Birmingham	30292	30299	30303
	See Catalogue No. 9/14/59284.				A.11583/H	30295	30300	30405
	DIAGRAM 2. ITEM 7.					30297	30302	
<u>RODS.</u>								
<u>Full.</u>	<u>Length.</u>	<u>Section.</u>	<u>Ends.</u>	<u>Position.</u>				
	9'9.1/2" centre of	7/8" dia.	Eye & Screw.	Handbrake to	Birmingham	30297	30303	
	hole to end.			Horizontal Lever.	A.11606/E	30300	30405	
<u>RODS.</u>								
<u>Tie.</u>					Birmingham	30290	30294	30301
	See Catalogue No. 9/14/59354.				A.11558/W	30291	30296	30404
	DIAGRAM 1. ITEM 4.					30293	30298	

DESCRIPTION.	DRG. NO.	LOT NOS.	
<u>ROTORS & SHAFTS.</u>			
<u>Exhauster.</u>	Clayton	30290-6	30301
See Catalogue No. 9/14/59680.	Dewandre.	30298	30302
DIAGRAM 9. ITEM 33.	R.E. 169-1	30299	30404
<u>SCREWS.</u>			
<u>Adjusting (Passenger Communication)</u>	Birmingham	30290-303	30405
See Catalogue No. 9/18/47731.	A. 11442 C	30404	
<u>SCREWS.</u>			
<u>Set, Valve Clappet.</u>	SC/IE/77562.	30292	30299
See Catalogue No. 9/18/47781.		30295	30302
DIAGRAM 7. ITEM 9.			
<u>SCREWS.</u>			
<u>Transit, 18" & 21" Vacuum Brake Cylinder.</u>	SW/DE/77090	30290-303	30405
See Catalogue No. 9/19/69101.		30404	
DIAGRAM 6. ITEM 44.			
<u>SEALS.</u>			
<u>Oil Exhauster.</u>	Clayton	30290-6	30301
See Catalogue No. 9/14/60680.	Dewandre.	30298	30302
DIAGRAM 9. ITEM 8.	S.F. 310-6	30299	30404
<u>SEATINGS.</u>			
<u>Body, Combined Deadmans Control Emergency Valve.</u>	Gresham &	30290	30294 30301
See Catalogue No. 9/14/61100.	Craven	30291	30296 30404
DIAGRAM 5. ITEM 28.	25/13544	30293	30298
<u>SEATINGS.</u>			
<u>1" Passenger Communication Emergency Valve.</u>	Gresham &	30290-303	
1.1/2" o/dia x 1.1/4" i/dia x 5/8". BRASS.	Craven	30404	
DIAGRAM 8. ITEM 7.	20/14091-S	30405	
	Assy 7/14092		

DESCRIPTION.	DRG. NO.		LOT NOS.	
<u>SEATINGS.</u>				
Valve. 1.1/2" Automatic Isolating Valve. 1.11/16" o/dia x 1/2" long. GUNMETAL TUBE. DIAGRAM 3. ITEM 20.	Gresham & Craven 20/14255 S	30292 30295 30297	30299 30300 30302	30303 30405
<u>SEATINGS.</u>				
Valve. Combined Deadmans Control & Emergency Valve. See Catalogue No. 9/14/61400. DIAGRAM 5. ITEM 44.	Gresham & Craven 11/9493.	30290 30291 30293	30294 30296 30298	30301 30404
<u>SEATINGS.</u>				
Valve. Combined Deadmans Control Emergency. See Catalogue No. 9/14/61420. DIAGRAM 5. ITEM 27.	Gresham & Craven 8/13544.	30290 30291 30293	30294 30296 30298	30301 30404
<u>SEATINGS.</u>				
Valve. 1.1/2" Feed Valve. See Catalogue No. 9/14/61450. DIAGRAM 4. ITEM 5.	Gresham & Craven 5/14196	30290 30291 30293	30294 30296-8 30300	30301 30303 30404
<u>SEATS.</u>				
Filler Cap. Oil Separator. See Catalogue No. 9/14/61500.	Clayton Dewandre. C.L. 2650.	30290 30291 30293	30294 30296 30298	30301 30404
<u>SEATS.</u>				
Valve. Combined Deadmans Control Emergency Valve. See Catalogue No. 9/14/61630. DIAGRAM 5. ITEM 41.	Gresham & Craven 5/12711.	30290 30291 30293	30294 30296 30298	30301 30404
<u>SEATINGS.</u>				
Valve. (Passenger Communication Valve) See Catalogue No. 9/18/47833. DIAGRAM 7. ITEM 8.	SC/DE/77556.	30292 30295	30299 30302	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>SEATINGS.</u>				
Release Valve. 18" & 21" Vacuum Brake Cylinder. See Catalogue No. 9/19/69601. DIAGRAM 6. ITEM 38.	SW/DE/77069.	30290-303 30404 30405		
<u>SEATINGS.</u>				
Valve. Vacuum Brake Cylinder. 18" & 21" See Catalogue No. 9/19/69701 DIAGRAM 6. ITEM 31.	SW/DE/77064.	30290-303 30404 30405		
<u>SEATS.</u>				
Piston Ball Valve. 18" & 21" Vacuum Brake Cylinder. See Catalogue No. 9/19/71001 DIAGRAM 6. ITEM 24	SW/DE/77062.	30290-303 30404 30405		
<u>SEPERATORS.</u>				
Oil. See Catalogue No. 9/14/61700.	Clayton Dewandre. G. A. 4407-1	30290 30291 30293	30294 30296 30298	30301 30404
<u>SHACKLES.</u>				
1" Passenger Communication Emergency Valve. 1 1/16" effective depth x 1/8" dia. Eyed both ends. 'U' shaped DIAGRAM 8. ITEM 17. STEEL.	Gresham & Craven 20/14092-S Assy 20/14092	30290-303 30404 30405		
<u>SHAFTS.</u>				
Handbrake. 2'1. 1/4" x 1. 3/4" dia. Screwed both ends 1" whit x 1. 3/8". STEEL. (Complete with Levers)	Birmingham A. 11516/Y	30290 30291 30293	30294 30296 30298	30301 30404
<u>SHAFTS.</u>				
Brake (Handbrake) Length. Die. Levers. 2'11. 1/2". 3. 1/2". 1 Power. 1 Jaw. STEEL. DIAGRAM 1. ITEM 3.	Birmingham A. 11559/J	30290 30291 30293	30294 30296 30298	30301 30404

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>SHAFTS.</u>				
Brake.	Birmingham A.11559/L	30290	30294	30301
Length.		30291	30296	30404
2'11.1/2".		30293	30298	
DIAGRAM 1. ITEM 3.				
Dia.				
3.1/2" Two Jaw.				
STEEL.				
<u>SHAFTS.</u>				
Brake.	Birmingham A.11606/P	30297	30303	
Length o/all.		30300	30405	
4'10.5/8".				
DIAGRAM 2. ITEM 2.				
Dia.				
3" One Power Two Plain.				
STEEL.				
<u>SHAFTS.</u>				
Brake.	Birmingham A.11606/R	30292	30299	30303
Length o/all.		30295	30300	30405
4'10.5/8".		30297	30302	
DIAGRAM 2. ITEM 2.				
Dia.				
3" One Jaw, One Plain.				
STEEL.				
<u>SHELLS.</u>				
Outer.	SW/DE/77071	30292	30299	30303
Vacuum Brake Cylinder 18" type.		30295	30300	30405
See Catalogue No. 9/19/72791.		30297	30302	
DIAGRAM 6. ITEM 1.				
<u>SHELLS.</u>				
Outer.	SW/DE/11760	30290	30294	30301
Vacuum Brake Cylinder 21".		30291	30296	30404
See Catalogue No. 9/19/72796.		30293	30298	
DIAGRAM 6. ITEM 1.				
<u>SHELLS.</u>				
Inner.	SW/DE/64472.	30292	30299	30303
Vacuum Brake Cylinder 18" type.		30295	30300	30405
See Catalogue No. 9/19/72810.		30297	30301	
DIAGRAM 6. ITEM 4.				

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>SHELLS.</u>					
Inner.					
Vacuum Brake Cylinder 21".	SW/DE/64462.	30290	30294	30301	
See Catalogue 9/19/5911.		30291	30296	30404	
DIAGRAM 6. ITEM 4.		30293	30298		
<u>SHIELDS.</u>					
(Passenger Communication)	Birmingham	30291	30295		
9. 3/4" x 3. 15/16" x 2. 7/32" x 3/32" thick. with 13/16" dia tapped	A. 11442/F	30292	30297-303		
5/8" Pipe 14 T.P.I. ALLOY.		30294	30405		
<u>SHIELDS.</u>					
(Passenger Communication)	Birmingham	30290-303			
9. 3/4" x 3. 3/4" x 1. 29/32" x 3/32" thick with 13/16" dia tapped	A. 11442/G	30404			
5/8" pipe. 14 T.P.I. ALLOY.		30405			
<u>SHOES.</u>					
Brakeblock.	Birmingham	30290-303			
See Catalogue No. 9/14/62000	A. 11585/B	30404			
DIAGRAM 1. ITEM 16. DIAGRAM 2. ITEM 13.		30405			
<u>SLEEVES.</u>					
Coupling, Handbrake Pull Rod.	Birmingham	30297	30405		
3" long x 1. 1/2" dia. Tapped 7/8" dia whit. STEEL.	A. 11606/X	30300			
		30303			
<u>SLEEVES.</u>					
Piston Rod. 18" & 21" Vacuum Brake Cylinder.	SC/SW/221.	30290-303			
See Catalogue No. 9/18/48006		30404			
DIAGRAM 6. ITEM 47		30405			
<u>SLEEVES.</u>					
Valve. 1. 1/2" Feed Valve.	Gresham &	30290	30296-8	30303	30294
See Catalogue No. 9/14/62300.	Craven	30291	30300	30404	
DIAGRAM 4. ITEM 3.	3/14196	30293	30301	30405	

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>SOLENOIDS.</u>					
Combined Deadmans Control & Emergency Valve. See Catalogue No. 9/14/62810. DIAGRAM 5. ITEM 35	Gresham & Craven 20/14109	30290 30291 30293	30294 30296 30298	30301 30404	
<u>SPINDLES.</u>					
1" & 1.1/2" Automatic Isolating Valve. 5. 3/4" o/all x 3/8" dia. STEEL. DIAGRAM 3. ITEM 23	Gresham & Craven 23/14139 S	30290-303 30404 30405			
<u>SPINDLES.</u>					
Brake Screw (Handbrake) 1'4.1/4" long o/all, screwed 3/4" dia whit one end, 1.3/16" dia at other, with 8.5/8" of R.H. 3/4" pitch double start square thread, complete with nut.	Birmingham A.11516/U	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>SPINDLES.</u>					
Drivers Brake Valve. See Catalogue No. 9/14/63070. DIAGRAM 10. ITEM 16.	Gresham & Craven 18/13552	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>SPINDLES.</u>					
1.1/2" Feed Valve. See Catalogue No. 9/14/63160. DIAGRAM 4. ITEM 10.	Gresham & Craven 10/14196	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>SPINDLES.</u>					
Handbrake. 3'4. 3/4" long o/all, screwed 3/4" dia whit at one end, 1" square at other, complete with nut. STEEL.	Birmingham A. 11516/G	30290 30291 30293	30294 30296-8 30301	30404 30405	

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>SPINDLES.</u>					
Handwheel. 8.29/64" o/all x 1.3/8" dia. One end 1" square x 3.3/4", 7/8" dia x 39/64" at other.	Birmingham A.11536/F	30300 30303			
<u>SPINDLES.</u>					
1" Passenger Communication Emergency Valve. 4.1/2" o/all. STEEL. DIAGRAM 8. ITEM 13.	Gresham & Craven 16/14092-S Assy 16/14092	30290-303 30404 30405			
<u>SPINDLES.</u>					
Release Valve. Vacuum Brake Cylinder 18" & 21" See Catalogue No. 9/19/73901. DIAGRAM 6. ITEM 33.	SW/DE/64469.	30290-303 30404 30405			
<u>SPINDLES.</u>					
Valve. Combined Deadmans Control Emergency Valve. 6.1/2" o/all. DIAGRAM 5. ITEM 45	Gresham & Craven 4A/5251.	30290 30291 30293	30294 30296 30298	30301 30404	
<u>SPINDLES.</u>					
Valve. 1" Passenger Communication Emergency Valve. 4.1/8" o/all x 1/2" dia. Head 1.15/16" x 3/8". DIAGRAM 8. ITEM 2. ALUM. BRONZE CASTINGS.	Gresham & Craven 2A/14092 Assy 2/14092	30290-303 30404 30405			
<u>SPINDLES.</u>					
Vertical. (Handwheel) 4.4.9/16" x 1.3/4" dia. One end 7/8" dia x 7.39/64". Screwed 3/4" dia whit x 3/4" at other. Complete with nut. STEEL.	Birmingham A.11536/G	30300 30303			
<u>SPRINGS.</u>					
Air Disc. Drivers Brake Valve. See Catalogue No. 9/14/63360. DIAGRAM 10. ITEM 6.	Gresham & Craven 10/11823	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>SPRINGS.</u>					
1" & 1 1/2" Automatic Isolating Valve. See Catalogue No. 9/14/63390. DIAGRAM 3. ITEM 4.	Gresham & Craven 4/14139 M	30290-303 30404 30405			
<u>SPRINGS.</u>					
Brake Release. See Catalogue No. 9/18/48131. DIAGRAM 1. ITEM 24. SPRING STEEL.	Birmingham A.11558/H	30290 30291 30293	30294 30296 30298	30301 30404	
<u>SPRINGS.</u>					
1 1/2" Automatic Isolating Valve & Combined Deadmans Control Emergency Valve. See Catalogue No. 9/14/63470. DIAGRAM 5. ITEM 65. DIAGRAM 3. ITEM 34.	Gresham & Craven 5/14162.	30290-303 30404 30405			
<u>SPRINGS.</u>					
1 1/2" Feed Valve. See Catalogue No. 9/14/63520. DIAGRAM 4. ITEM 12.	Gresham & Craven 12/11800	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>SPRINGS.</u>					
Handle, Drivers Brake Valve. See Catalogue No. 9/14/63570. DIAGRAM 10. ITEM 5.	Gresham & Craven 6/11823	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>SPRINGS.</u>					
Oil Separator. See Catalogue No. 9/14/63580.	Gleyton Dewandre. S. F. 62-33	30290 30291 30293	30294 30296 30298	30301 30404	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>SPRINGS.</u>				
1" Passenger Communication Emergency Valve.	Gresham &	30290-303		
2" free x 17/32" o/dia x 1/16". SPRING STEEL.	Craven	30404		
DIAGRAM 8. ITEM 8.	20/7754 M	30405		
	Assy	10/14092		
<u>SPRINGS.</u>				
1" Passenger Communication Emergency Valve.	Gresham &	30290-303		
2.5/8" free x 1.7/32" o/dia x 13 S.W.G. SPRING STEEL.	Craven	30404		
DIAGRAM 8. ITEM 5.	5/14092.	30405		
	Assy	5/14092.		
<u>SPRINGS.</u>				
(Passenger Communication Valve).	SC/DE/77555	30292	30302	
See Catalogue No. 9/18/48151.		30295		
DIAGRAM 7. ITEM 7.		30299		
<u>SPRINGS.</u>				
Sealing Plate, Exhauster.	Clayton	30290-6	30301	
See Catalogue No. 9/14/63590.	Dewandre.	30298	30302	
DIAGRAM 9. ITEM 6.	R.E. 801-1	30299	30404	
<u>STRAINERS.</u>				
Air, Exhauster.	Gresham &	30290	30294	30301
See Catalogue No. 9/14/64400.	Craven	30291	30296	30404
	14210	30293	30298	
<u>STRAINERS.</u>				
Combined Deadmans Control Emergency Valve.	Gresham &	30290	30294	30301
See Catalogue No. 9/14/64540.	Craven	30291	30296	30404
DIAGRAM 5. ITEM 25.	15/9493	30293	30298	
<u>STRAPS.</u>				
Support, Brakeshaft.	Birmingham	30290	30294	30301
1'11.1/2" long x 11.9/16". STEEL.	A. 11560/Q	30291	30296	30404
		30293	30298	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>STOPS.</u>				
<u>Clutch 1" Passenger Communication Emergency Valve.</u> 1.13/32" x 3/4" dia. BRASS. DIAGRAM 8. ITEM 21.	Gresham & Creven 25/14092-S Assy 25/14092	30290-303 30404 30405		
<u>STOPS.</u>				
<u>Piston, 18" Vacuum Brake Cylinder.</u> 1.1/2" o/dia x 1.1/4" i/dia x 1.5/8". BRASS. DIAGRAM 6. ITEM 46	SW/DE/77298	30292 30295 30297	30299 30300 30302	30303 30405
<u>STOPS.</u>				
<u>Piston, Vacuum Brake Cylinder 21"</u> Catalogue No. applied for. DIAGRAM 6. ITEM 46.	SW/DE/77299.	30290 30291 30293	30294 30296 30298	30301 30404
<u>STOPS.</u>				
<u>Valve Controller (Passenger Communication Valve)</u> 2.9/16" long centre of hole to end x 1/2" BRASS. DIAGRAM 7. ITEM 14.	SC/DE/77550	30292 30295 30299	30302	
<u>STRAPS.</u>				
<u>Brake Cylinder Safety.</u> 2'10" inside x 9.1/4" x 2" x 2" x 1/4" thick. STEEL.	Birmingham A.11553/M	30290 30291 30293	30294 30296 30298	30301 30404
<u>STRAPS.</u>				
<u>Support.</u> 1'8.3/16" x 10.1/2" x 1.1/2" x 5/16". 1'6.3/16" hole centres. U shaped. STEEL.	Birmingham A.11606/W	30292 30295 30297	30299 30300 30302	30303 30405

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>STUDS.</u>					
Cover 18" & 21" Vacuum Brake Cylinder. See Catalogue No. 9/19/78500. DIAGRAM 6. ITEM 26.	SW/DE/77058	30290-303 30404 30405			
<u>STUDS.</u>					
Gland Cover, Vacuum Brake Cylinder 18" & 21" Type. See Catalogue No. 9/19/78600. DIAGRAM 6. ITEM 16	SW/DE/77058	30290-303 30404 30405			
<u>STUDS.</u>					
Handwheel Pawl (Handbrake) See Catalogue No. 9/18/48271. STEEL	Birmingham A. 11516/E	30290 30291 30293	30294 30296-8 30301	30404 30405	
<u>STUDS.</u>					
Release Valve 18" & 21" Vacuum Brake Cylinder. See Catalogue No. 9/19/78700. DIAGRAM 6. ITEM 19	SW/DE/77058	30290-303 30404 30405			
<u>SUPPORTS.</u>					
Horizontal Lever. 9" x 2" x 1/2". STEEL	Birmingham A. 11558/V	30290 30291 30293	30294 30296 30298	30301 30404	
<u>TOPS.</u>					
Handbrake Column. 5" o/dia x 1.13/16" i/dia x 1.5/8" thick. CAST IRON.	Birmingham A. 11516/B	30290 30291 30293	30294 30296-8 30301	30404 30405	
<u>TRUNNIONS.</u>					
Brake Screw (Handbrake) See Catalogue No. 9/18/48471.	Birmingham A. 11516/S	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>TRUNNIONS.</u>					
Vacuum Brake Cylinder 18" & 21" type. See Catalogue No. 9/19/80870. DIAGRAM 6. ITEM 2.	SW/DE/64461	30290-303 30404 30405.			
<u>TURNBUCKLES.</u>					
Full Rod. 5" x 1.3/4" x 1.3/4". Tapped 7/8" whit L.H. Thread one end. Tapped 7/8" whit R.H. thread at other. STEEL.	Birmingham A.11606/J	30297 30300 30303	30405		
<u>VALVES.</u>					
Automatic Feed. See Catalogue No. 9/14/67080. DIAGRAM 4.	Gresham & Craven 14196	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>VALVES.</u>					
1. 1/2" Automatic Isolating Valve. 2. 5/8" long o/all. BRASS. DIAGRAM 3. ITEM 18.	Gresham & Craven 18/14255 S	30292 30295 30297	30299 30300 30302	30303 30405	
<u>VALVES.</u>					
Clappet (Passenger Communication Valve) See Catalogue No. 9/18/48631. DIAGRAM 7. ITEM 1.	SC/DE/77546.	30292 30295 30299	30302		
<u>VALVES</u>					
Combined Deadmans Control Emergency See Catalogue No. 9/14/67130. DIAGRAM 5.	Gresham & Craven 14258	30290 30291 30293	30294 30296 30298	30301 30404	
<u>VALVES.</u>					
Diaphragm. Combined Deadmans Control & Emergency Valve. 1.1/8" dia with 11/16" dia x 3/8" collar x 3/4" width. BRASS. DIAGRAM 5. ITEM 8.	Gresham & Craven 6/9493	30290 30291 30293	30294 30296 30298	30301 30404	

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>VALVES.</u>					
<u>Drivers Brake.</u> See Catalogue No. 9/14/67180. DIAGRAM 10.	Gresham & Craven 13552 C	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>VALVES.</u>					
<u>1 1/2" Feed Valve.</u> See Catalogue No. 9/14/67080. DIAGRAM 4. ITEM 2.	Gresham & Craven 2/14196	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>VALVES.</u>					
<u>Guards, Non-Auto.</u> See Catalogue No. 9/18/48711. DIAGRAM 11. ITEM 5.	SC/DE/75037/2	30290-303 30404 30405			
<u>VALVES.</u>					
<u>Guards, Non-Auto.</u> See Catalogue No. 9/18/48716. DIAGRAM 11. ITEM 6.	SC/DE/75037/1	30290-303 30404 30405			
<u>VALVES.</u>					
<u>Guards Non-Auto Valve.</u> See Catalogue No. 9/18/48736. DIAGRAM 11. ITEM 10.	SC/DE/75038.	30290-303 30404 30405			
<u>VALVES.</u>					
<u>Guards Non-Auto.</u> See Catalogue No. 9/18/48751. DIAGRAM 11.	SC/DE/55068	30290-303 30404 30405			
<u>VALVES.</u>					
<u>Isolating 1 1/2".</u> See Catalogue No. 9/14/67270. DIAGRAM 3.	Gresham & Craven 14255	30292 30295 30297	30299 30300 30302	30303 30405	

DESCRIPTION.	DRG. NO.	LOT NOS.		
<u>VALVES.</u>				
<u>Non-Return.</u>	Gresham &	30290	30294	30301
See Catalogue No. 9/14/67300.	Craven	30291	30296	30404
	11119 A	30293	30298	
<u>VALVES.</u>				
<u>1" Passenger Communication Emergency L.H.</u>	Gresham &	30290-303		
See Catalogue No. 9/14/67350.	Craven	30404		
DIAGRAM 8.	14092.	30405		
<u>VALVES.</u>				
<u>1" Passenger Communication Emergency R.H.</u>	Gresham &	30290-303		
See Catalogue No. 9/14/67355.	Craven	30404		
DIAGRAM 8.	14092	30405		
<u>VALVES.</u>				
<u>Passenger Communication.</u>	SG/DE/57048	30292	30299	
Catalogue No. applied for in 9/18/		30295	30302	
DIAGRAM 7.				
<u>VALVES.</u>				
<u>1" Passenger Communication Emergency Valve.</u>	Gresham &	30290-303		
1.9/16" o/d all screwed 5/8" dia x 16 T.P.I. for 3/4" BRASS.	Craven	30404		
DIAGRAM 8. ITEM 1.	1/14092-S	30405		
	Assy 1/14092			
<u>VALVES.</u>				
<u>Release 18" & 21" Vacuum Brake Cylinder.</u>	SW/DE/64467	30290-303		
See Catalogue No. 9/19/83301.		30404		
DIAGRAM 6. ITEM 28.		30405		
<u>WASHERS.</u>				
<u>1" & 1.1/2" Automatic Isolating Valve & Combined Deadmans</u>		30290-303		
<u>Control.</u>	Gresham &	30404		
Catalogue No. applied for in 9/14/	Craven	30405		
DIAGRAM 3. ITEM 26. DIAGRAM 5. ITEM 40.	5/1042 S			

DESCRIPTION.	DRG. NO.	LOT NOS.			
<u>WASHERS.</u>					
<u>Combined Deadmans Control & Emergency Valve.</u> 21/32" i/dia x 1 3/8" o/dia x 1/8". DIAGRAM 5. ITEM 46	Gresham & Craven 5/1042	30290 30291 30293	30294 30296 30298	30301 30404	
<u>WASHERS.</u>					
<u>Diaphragm, Release Valve, Vacuum Brake Cylinder. 18" & 21"</u> See Catalogue No. 9/19/48701. DIAGRAM 6. ITEM 35	SW/DE/77067	30290-303 30404 30405			
<u>WASHERS.</u>					
<u>Exhauster.</u> 0.257" i/dia x 0.437" o/dia x 0.06" thick. COPPER. DIAGRAM 9. ITEM 21.	Clayton Dewandre SF. 240/58	30290-6 30298 30299	30301 30302 30404		
<u>WASHERS.</u>					
<u>1.1/2" Feed Valve.</u> See Catalogue No. 9/14/67580. DIAGRAM 4. ITEM 18.	Gresham & Craven 18/11800	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>WASHERS.</u>					
<u>Piston Head, Vacuum Brake Cylinder 18" & 21".</u> See Catalogue No. 9/19/84601. DIAGRAM 6. ITEM 9.	SW/DE/77053.	30290-303 30404 30405			
<u>WASHERS.</u>					
<u>Plug Exhauster.</u> See Catalogue No. 9/14/67900. DIAGRAM 9. ITEM 13.	Clayton Dewandre S.F. 240/4	30290-6 30298 30299	30301 30302 30404		

DESCRIPTION.	DRG. NO.	LCT NOS.			
<u>WASHERS</u>					
Thrust (Handbrake) See Catalogue No. 9/18/49151.	Birmingham A.11516/D ^A	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>WASHERS</u>					
Valve. 1.1/2" Automatic Isolating Valve. 13/16" i/dia x 1.15/16" o/dia x 1/8" RUBBER. DIAGRAM 3. ITEM 21.	Gresham & Craven 5/12711 S	30292 30295 30297	30299 30300 30302	30303 30405	
<u>WASHERS.</u>					
Valve. 1" Passenger Communication Emergency Valve. 29/32" i/dia x 1.23/32" o/dia x 1/8". INDIA RUBBER. DIAGRAM 8. ITEM 6.	Gresham & Craven 21/14091 S	30290-303 30404 30405			
<u>WASHERS.</u>					
Valve Seat (Passenger Communication Valve) See Catalogue No. 9/18/49184. DIAGRAM 7. ITEM 3.	SC/ES/77551.	30292 30295	30299 30302		
<u>WHEELS.</u>					
Hand (Handbrake) See Catalogue No. 9/14/68030. CAST IRON.	Birmingham A.11516/D	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405
<u>WHEELS.</u>					
Mitre (Handbrake) See Catalogue No. 9/18/49271. GUN METAL. Y.M. 3. ALLOY.	Birmingham A.11516/J	30290 30291 30293	30294 30296-8 30300	30301 30303 30404	30405

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