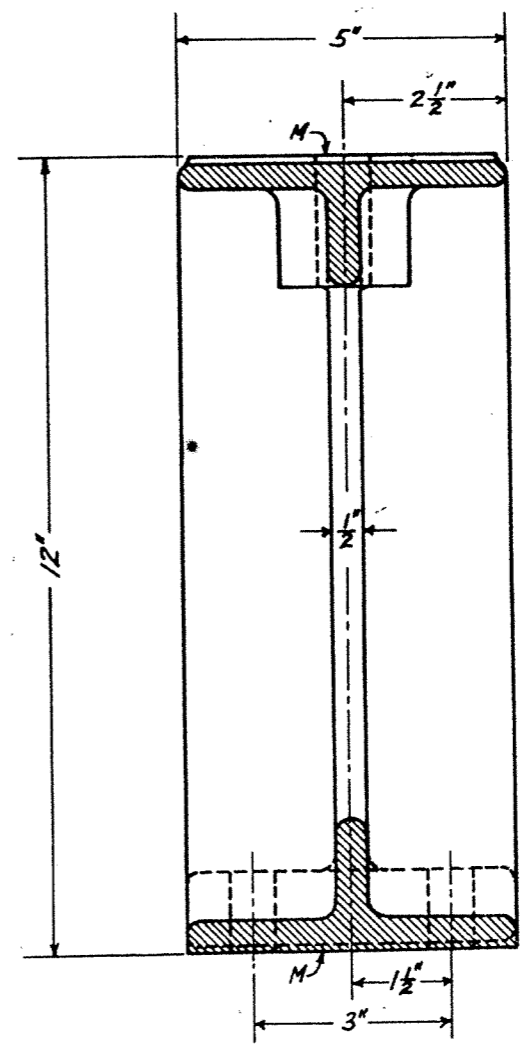


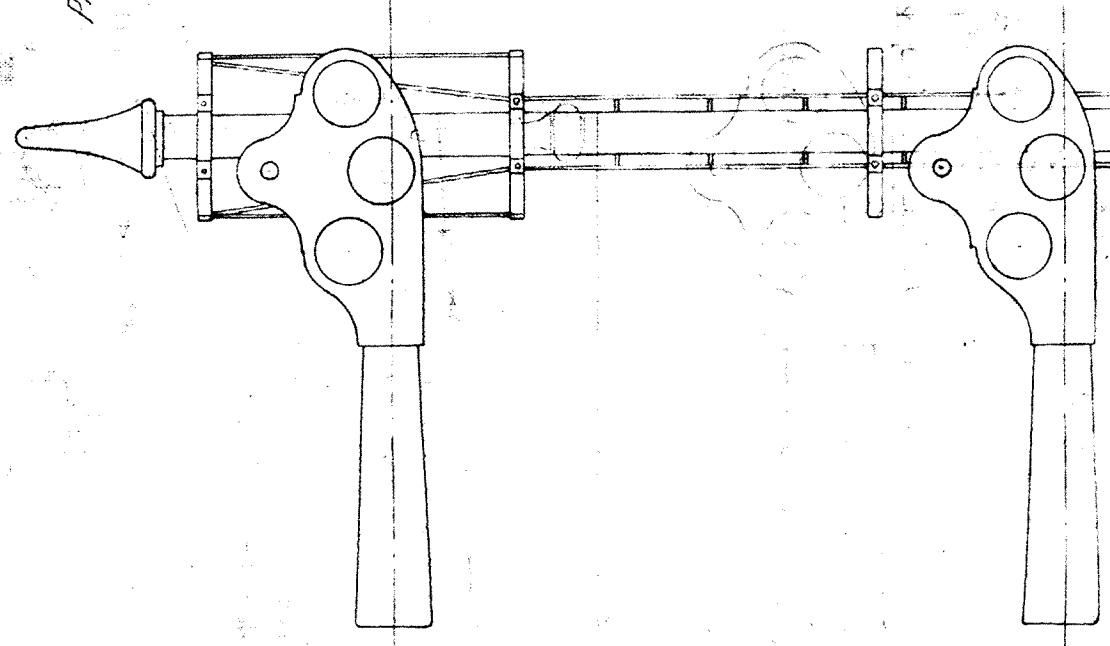
Cast Iron - Part N<sup>o</sup> 1H13 to appear on Casting



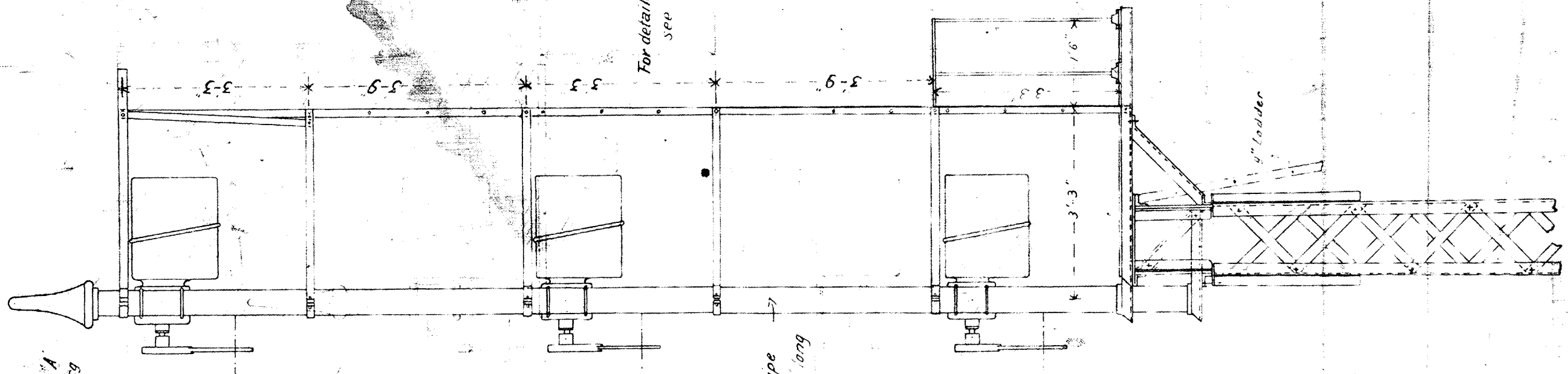
Note:  
 This Part replaces Base Angle  
 shown on Dwg. L7

VICTORIAN RAILWAYS  
 PEDestal  
 FOR ROCKING SHAFT LEADOUT  
 7-2-19  
 Engineer of Signals  
 HI

301-19  
 H13



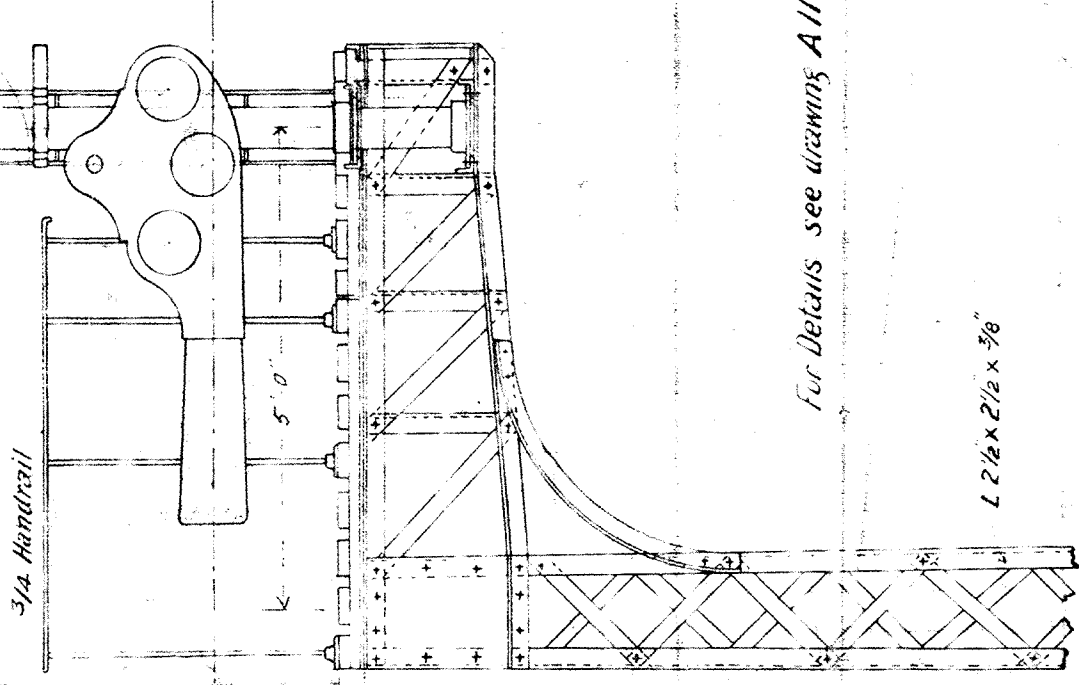
Pinnacle Type A  
Drawing F-69



For details of landings and handrails  
see drawing A 16

5" Pipe  
long

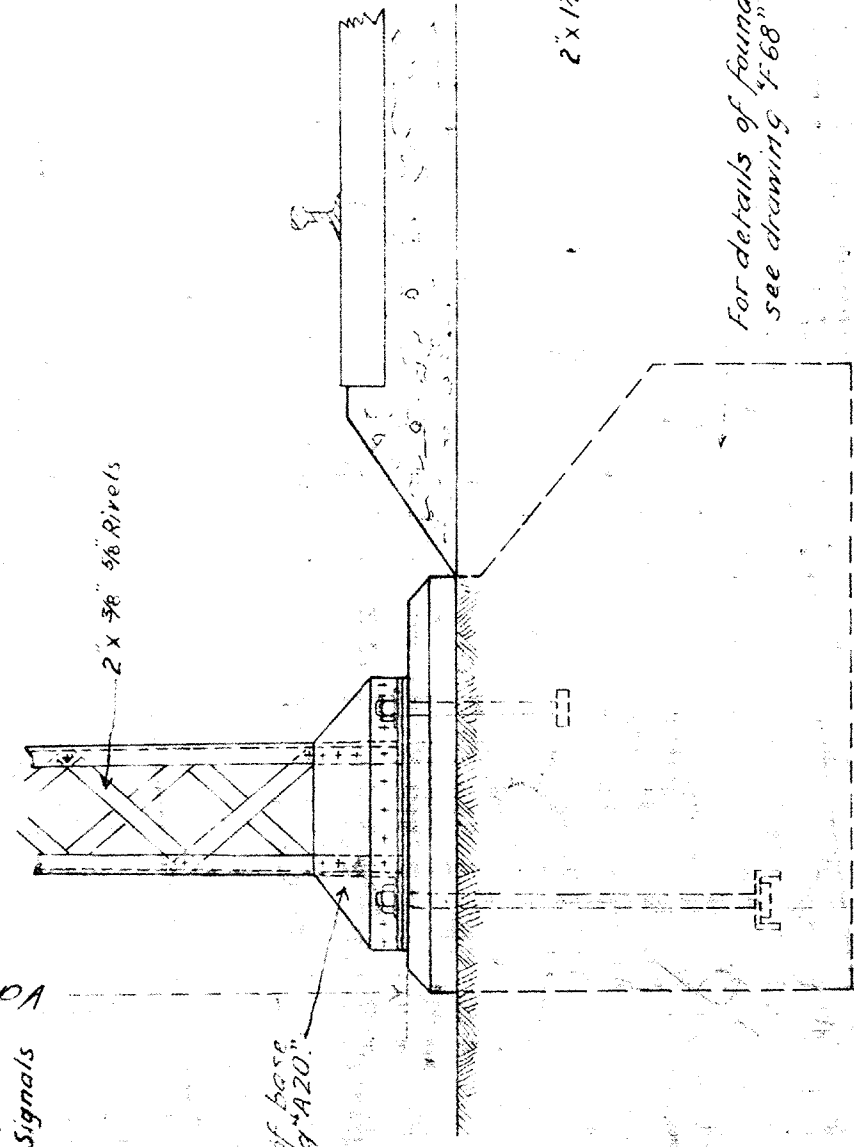
For details see drawing A 11



3/4 Handrail

L 2 1/2 x 2 1/2 x 3/8"

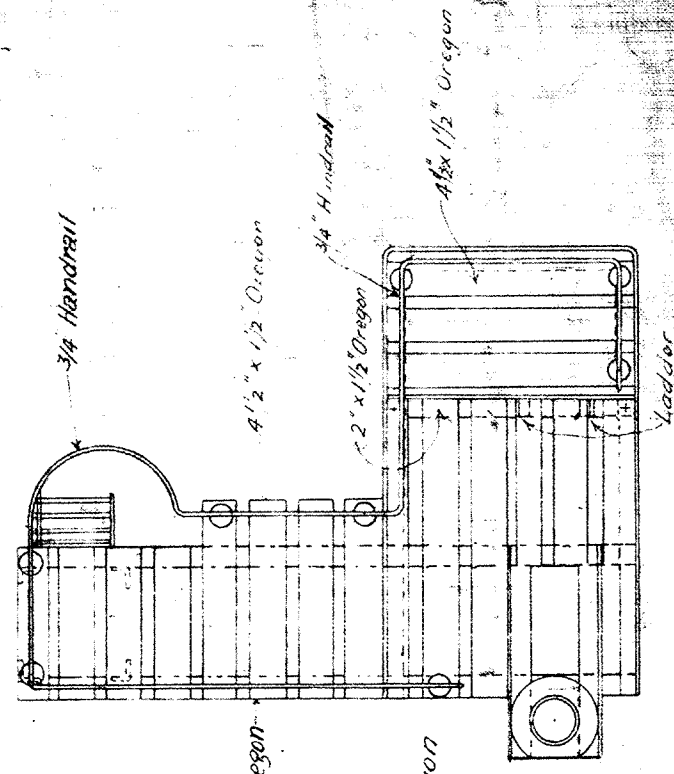
This dimension  
to be supplied on  
Order for Signals



2 x 3/8 5/8 Rivets

For details of base  
see drawing A 20

For details of foundation  
see drawing F-68



3/4 Handrail

2 x 1/2 Oregon

4 1/2 x 1/2 Oregon

3/4 Handrail

4 1/2 x 1/2 Oregon

Loaders

LOWER LANDING AND HANDRAIL

CANCELLED

VICTORIAN RAILWAYS  
THREE ARM BRACKET SIGNAL

Scale - 1/2" = 1 foot

27-6-16

REVISION 1  
Landing extended  
Base and Foundation altered

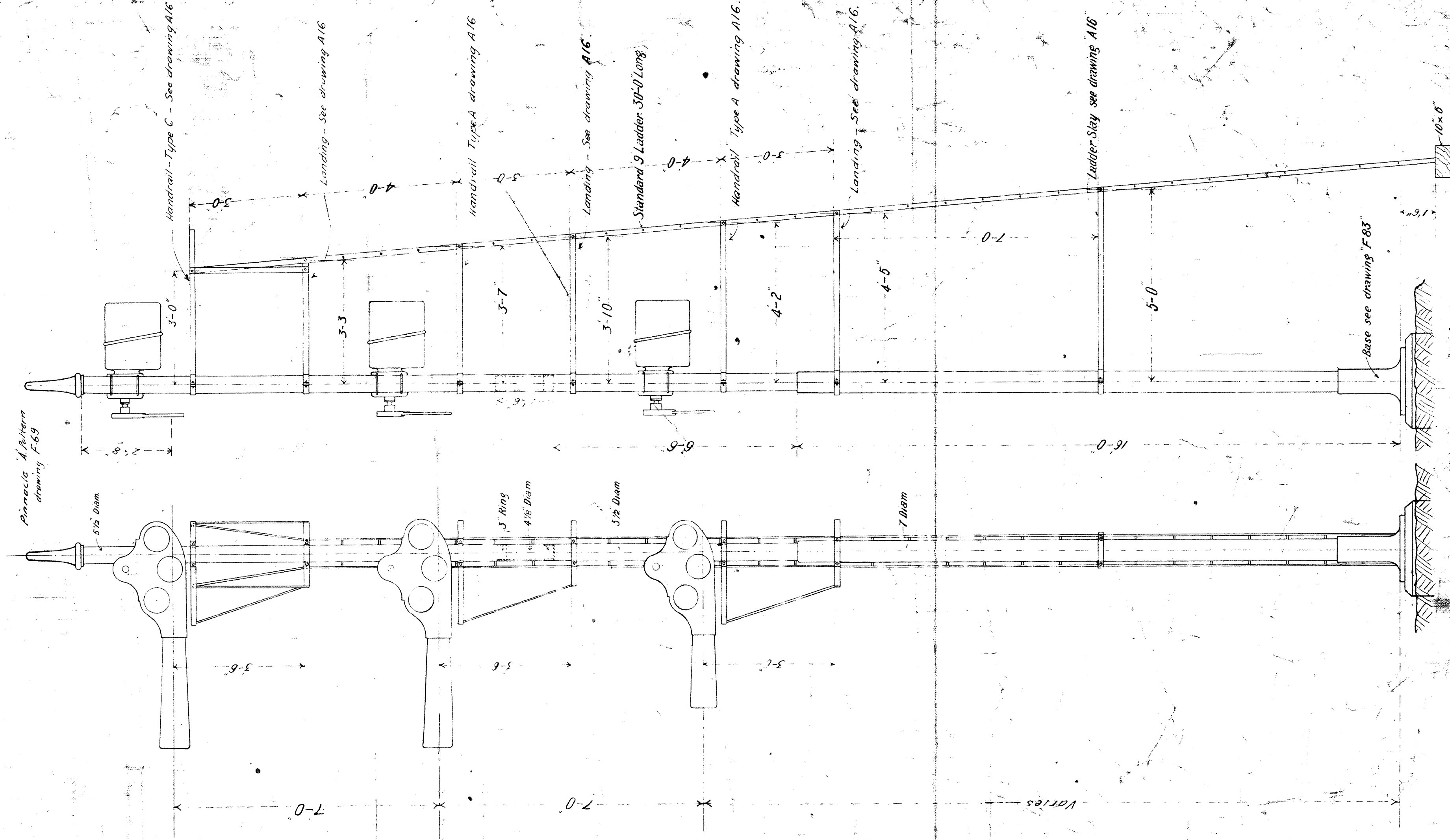
7-6-17  
Third arm abolished.  
Positions of 1st and  
2nd arms altered.

S.H.M.

G.S.Y.

Engineer of Signals





Cement Concrete Foundation see drawing F.91

Superseded by  
 REF. SUB. 1  
 Height made variable

Drawn by F.N.R.  
 Traced by F.N.R.  
 Checked S.P.  
 735-16

VICTORIAN RAILWAYS  
 THREE ARM SIGNAL MAST

Scale - 1/2" = 1 foot

17.4.16  
 Engineers of Signals

20-6-16

G.R.Y.

RE SUB. 1

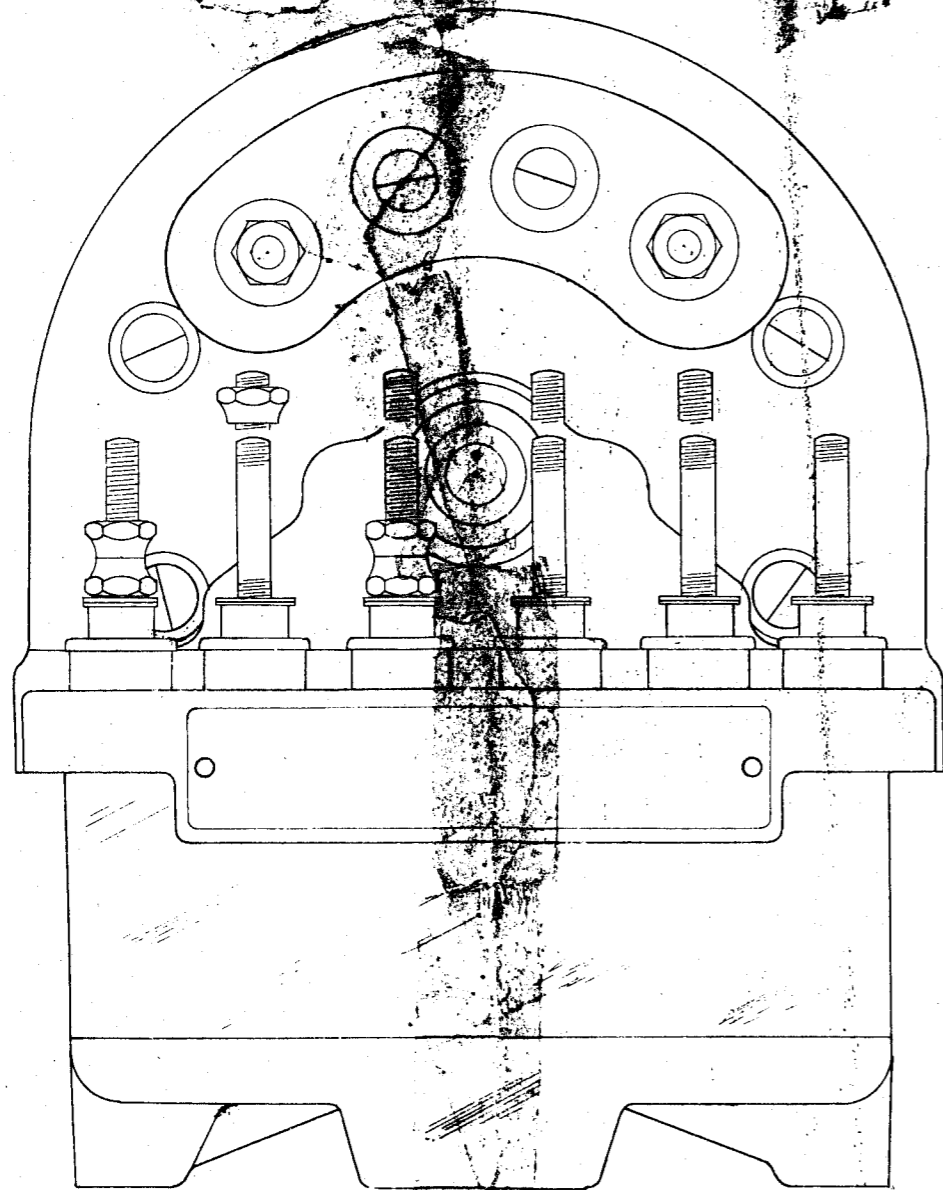
Height made variable

AL

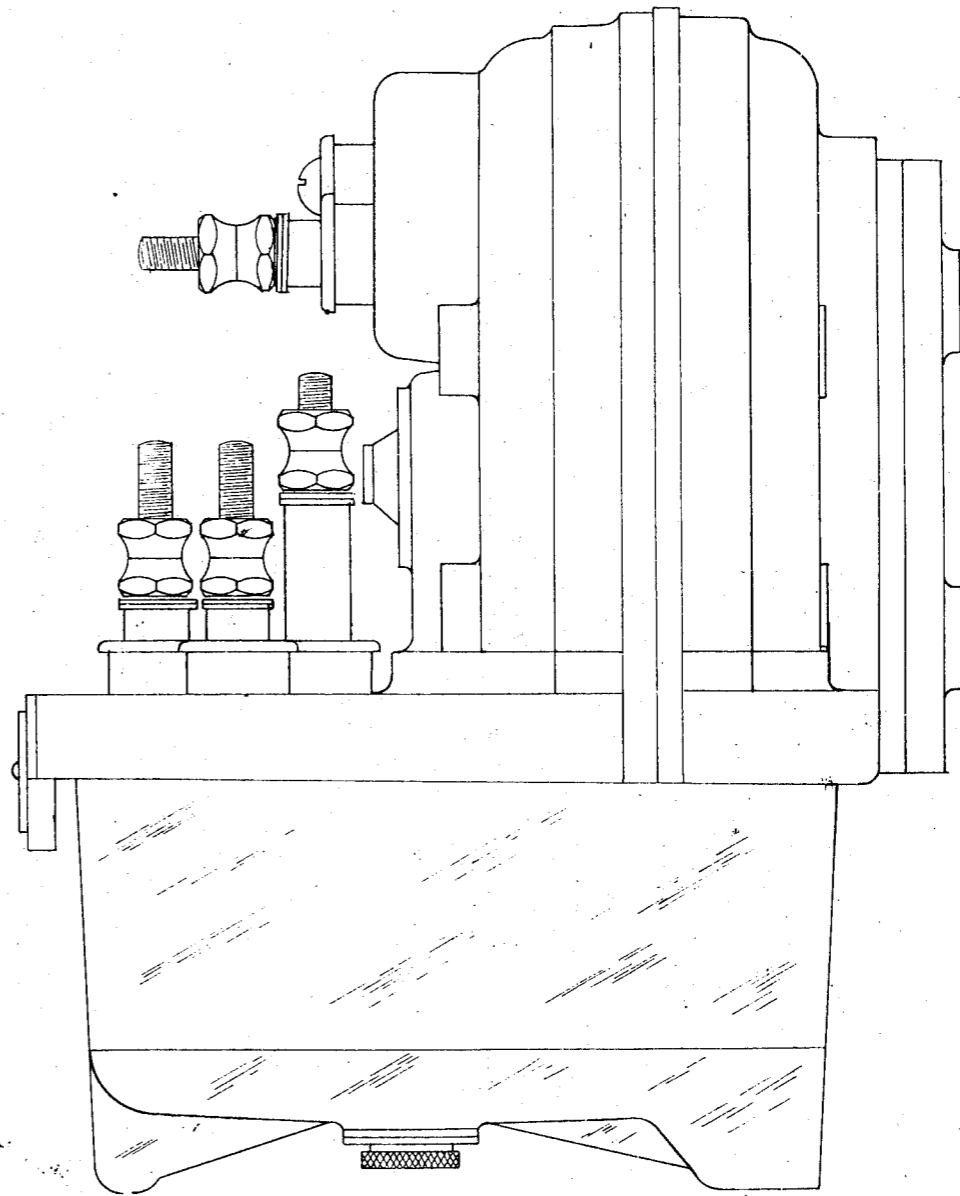
SKETCH

LINE RELAY — SINGLE ELEMENT  
G.R.S. MODEL 2 FORM B  
FULL SIZE

2924



FRONT VIEW



SIDE VIEW

RECORD FILE  
R 2964  
NEW SERIES  
DATE 11/27

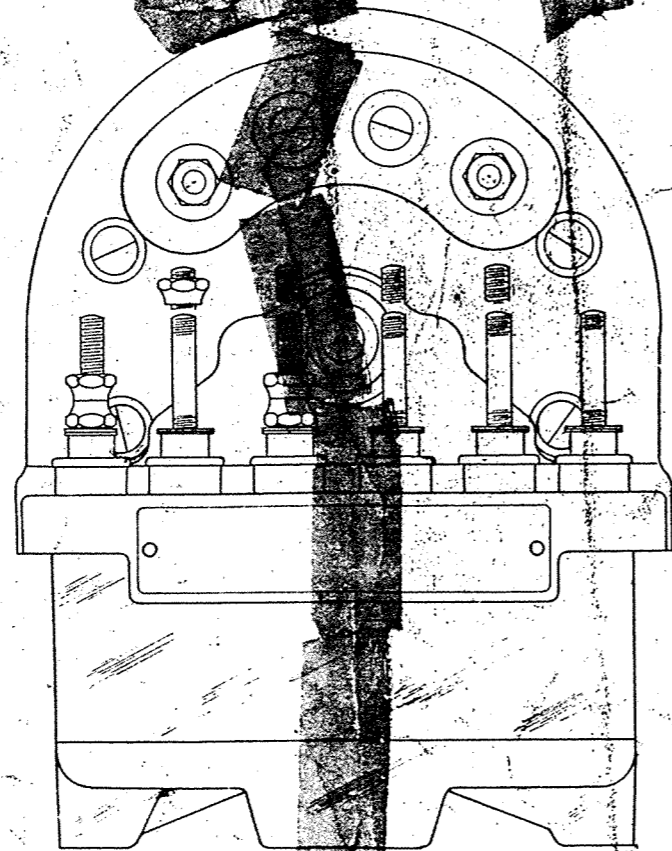
H3



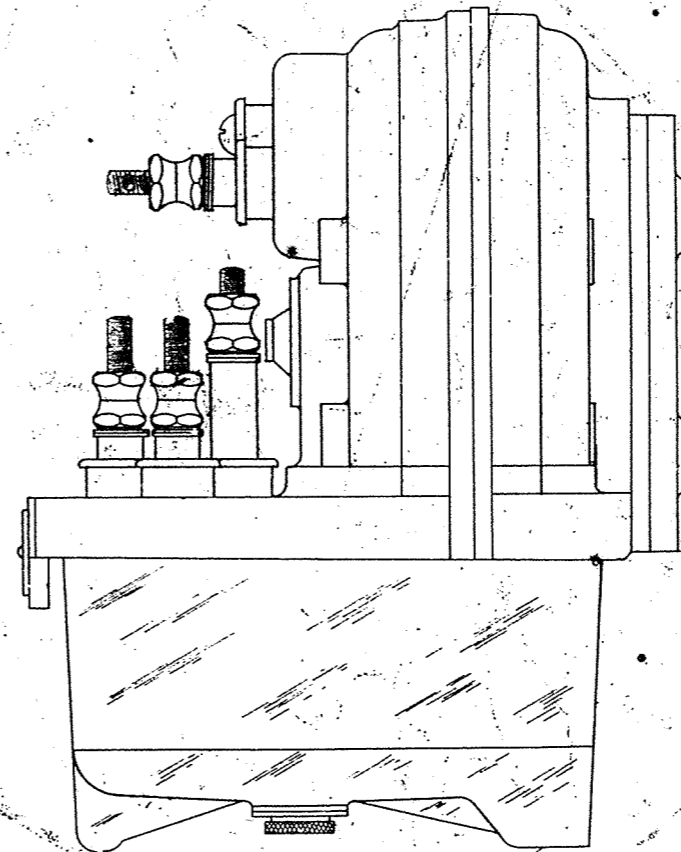
SKETCH

LINE RELAY — SINGLE ELEMENT  
G.R.S. MODEL 2 FORM B  
FULL SIZE

2964



FRONT

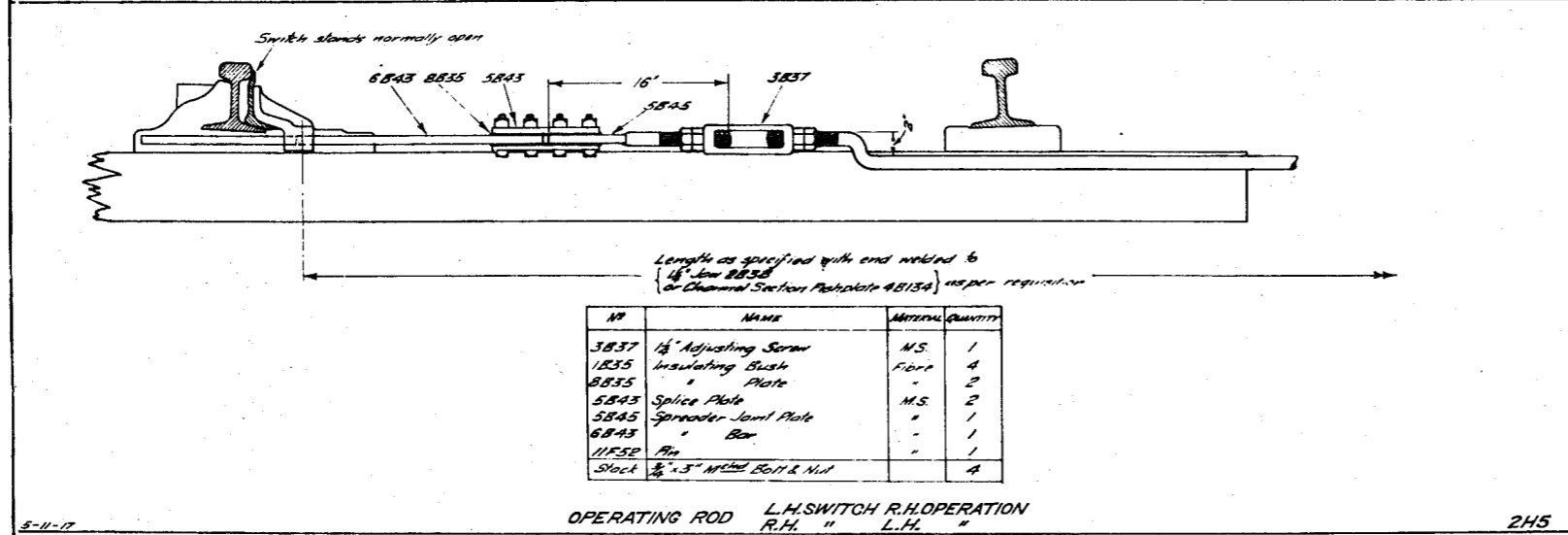
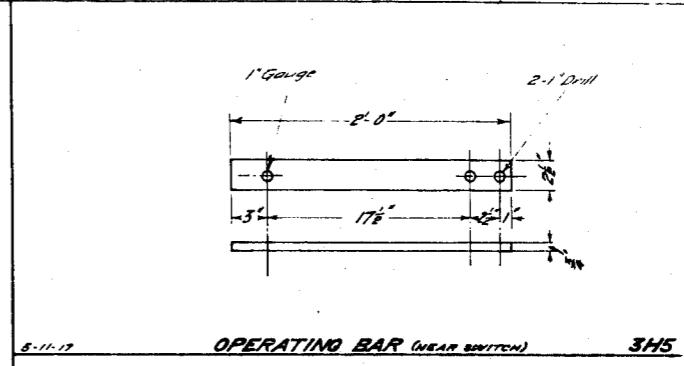
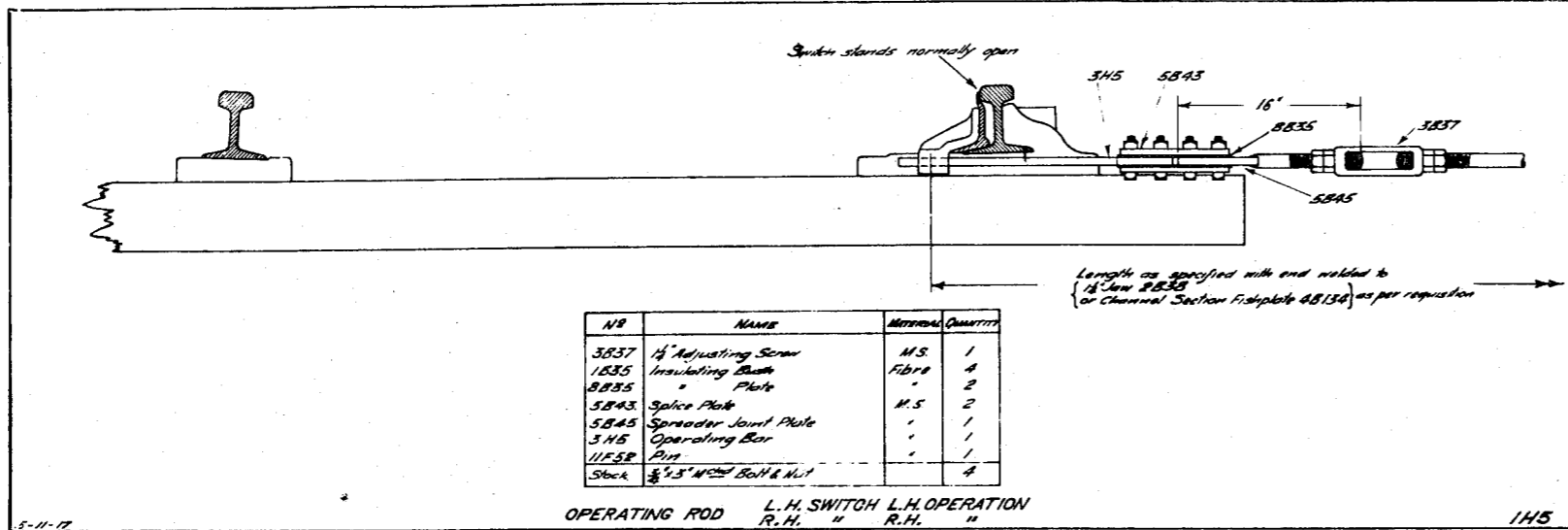


SIDE VIEW

RECORD FILE  
R 2964  
1711 10031

H3





VICTORIAN RAILWAYS  
OPERATING ROD FOR  
DERAIL SWITCH  
LAYOUT CLASS "Y"  
5-11-17  
Engineer of Signals

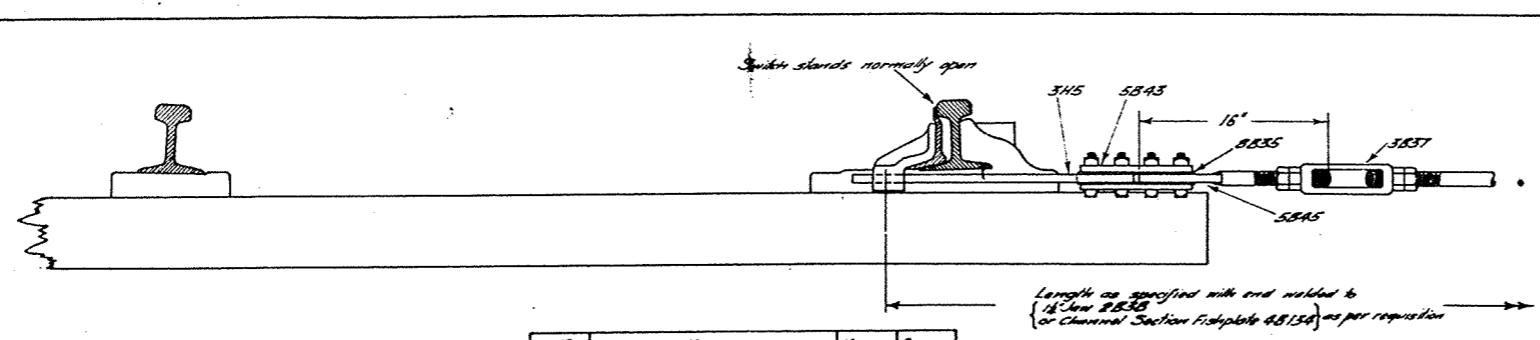
9962

MICRO-DATA

125 METRES AND FEET

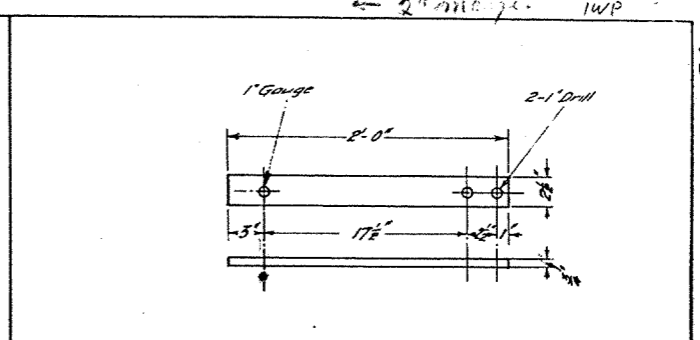


125 METRES AND FEET

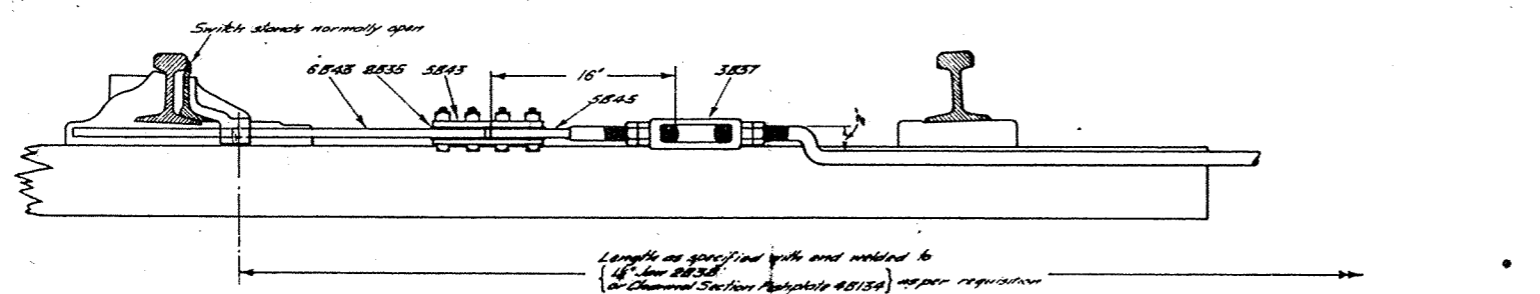


NO	NAME	MATERIAL	QUANTITY
3B37	1/2" Adjusting Screw	M.S.	1
1B35	Insulating Bush	Fibre	4
8B35	" Plate	"	2
5B43	Splice Plate	M.S.	2
5B45	Spreader Joint Plate	"	1
3H5	Operating Bar	"	1
11F58	Pin	"	1
Stock	3/8" x 5" M.S. Bolt & Nut	"	4

OPERATING ROD L.H. SWITCH L.H. OPERATION  
R.H. " R.H. "



OPERATING BAR (NEAR SWITCH) 3H5



NO	NAME	MATERIAL	QUANTITY
3B37	1/2" Adjusting Screw	M.S.	1
1B35	Insulating Bush	Fibre	4
8B35	" Plate	"	2
5B43	Splice Plate	M.S.	2
5B45	Spreader Joint Plate	"	1
6B43	" Bar	"	1
11F58	Pin	"	1
Stock	3/8" x 5" M.S. Bolt & Nut	"	4

OPERATING ROD L.H. SWITCH R.H. OPERATION  
R.H. " L.H. "

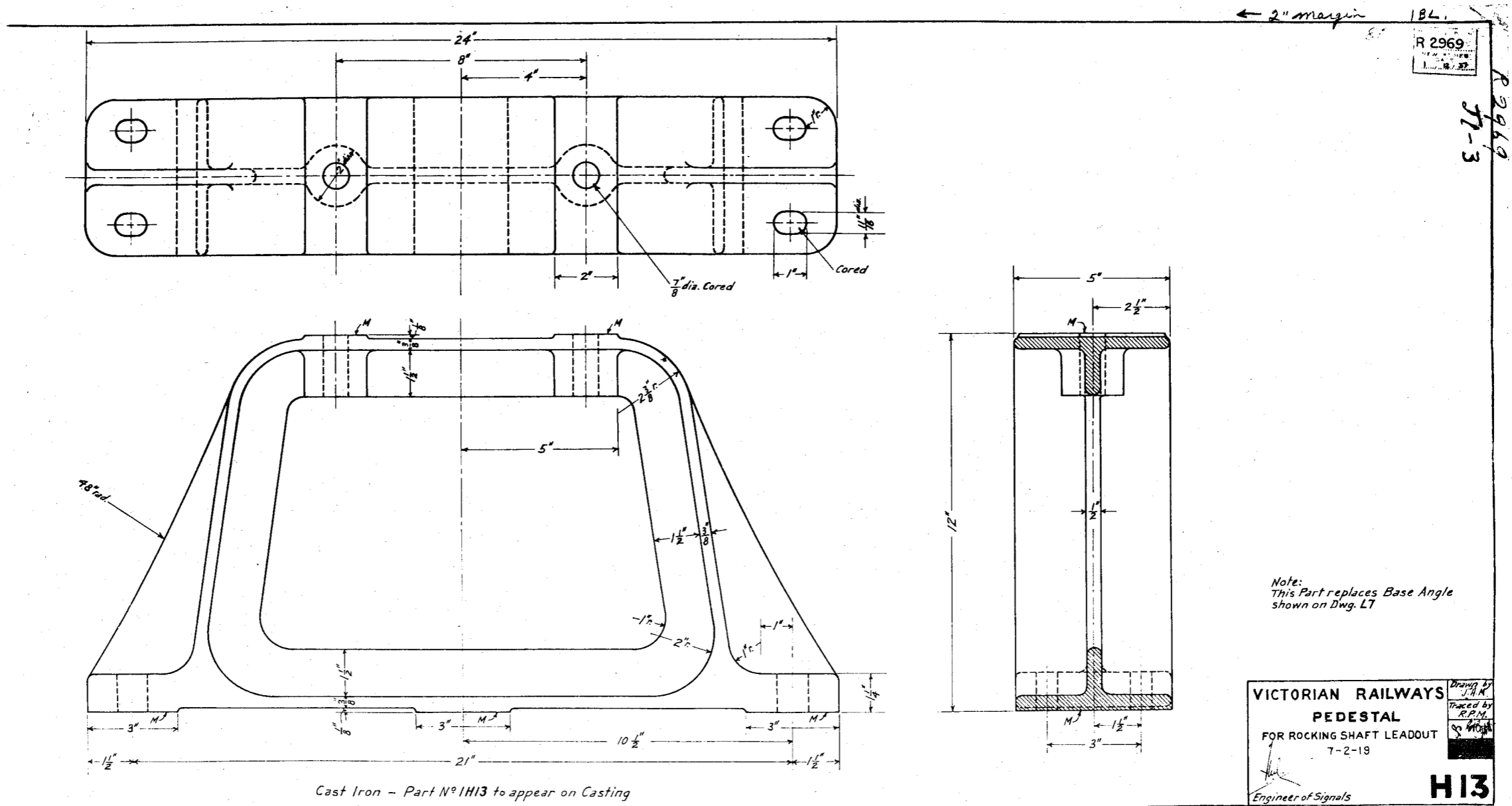
VICTORIAN RAILWAYS  
OPERATING ROD FOR  
DERAIL SWITCH  
LAYOUT CLASS "Y"  
5-11-17  
Approved by  
S.C.C.  
Checked by  
S.C.C.  
H5  
Engineer of Signals

18/11/17  
S.E.V.G.  
S.E.V.G.  
2966

MICRO-DATA 125 METRES AND FEET

120 METRES AND FEET







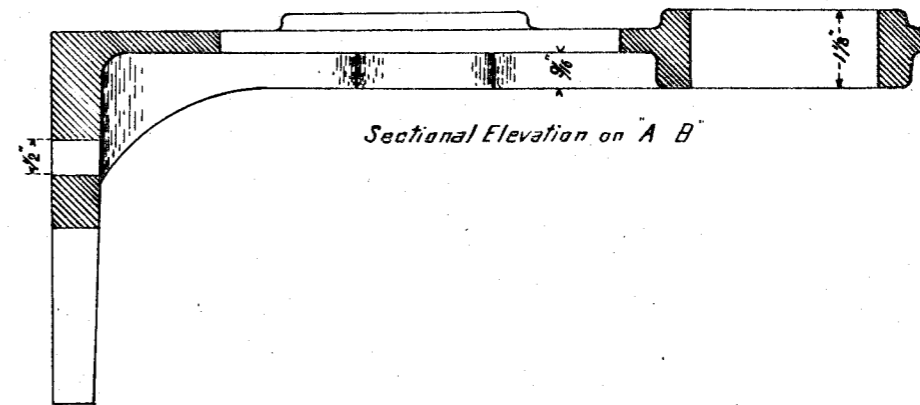
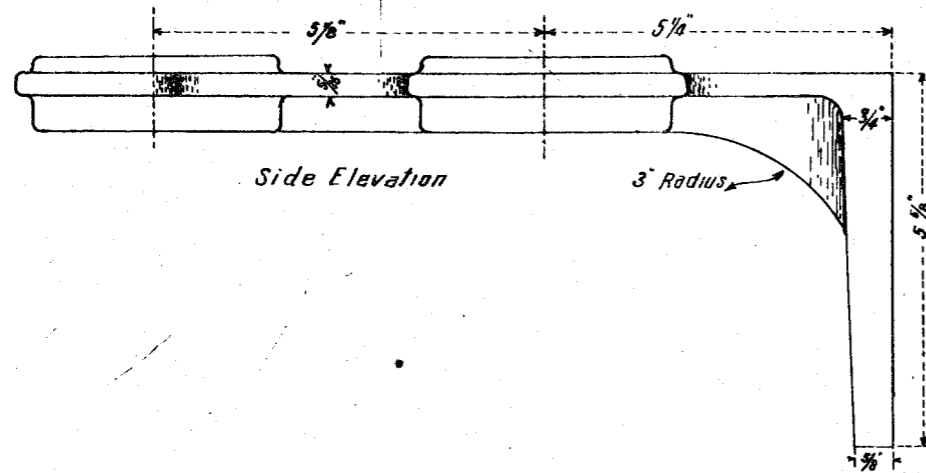
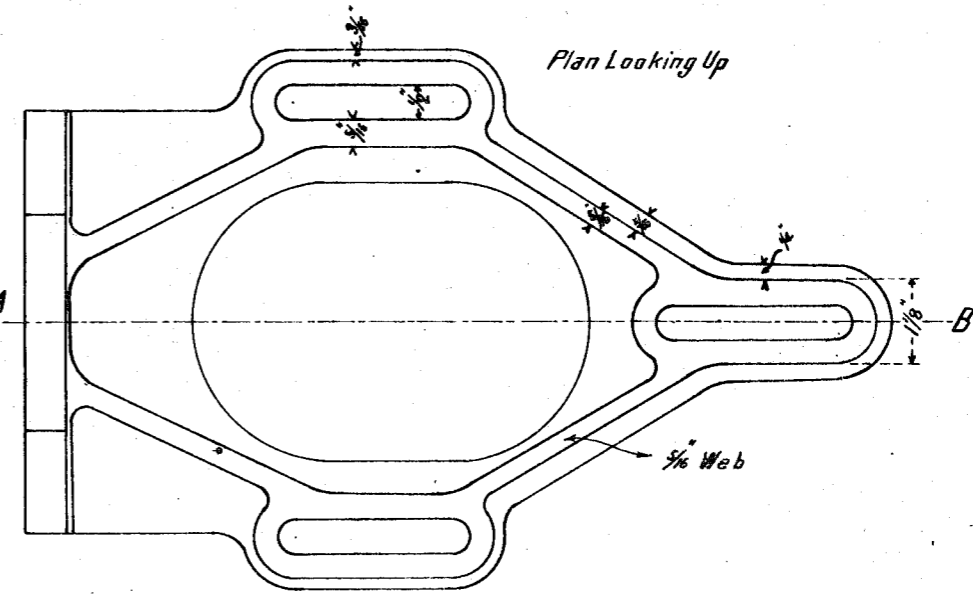
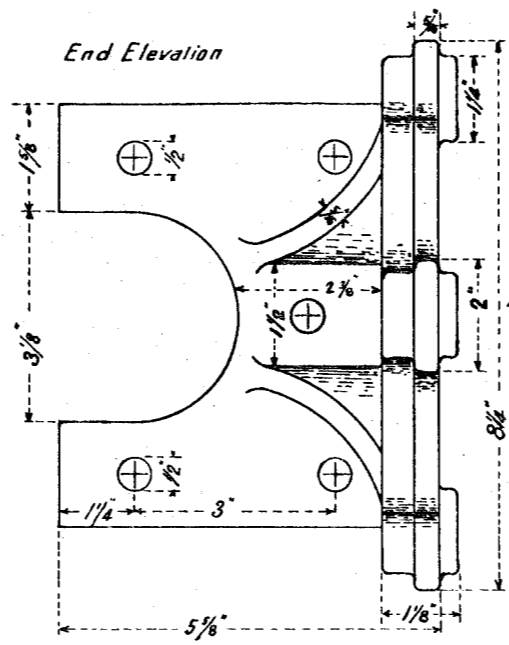
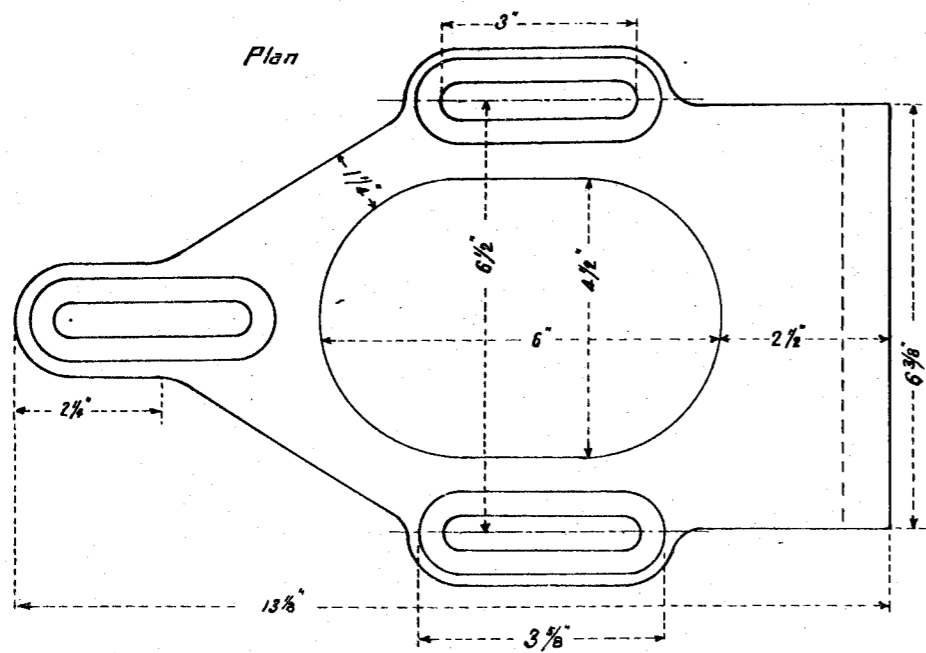
# V.R. LAMP BRACKET

Scale. 6 Inches = 1 Foot.

2970  
NEW YORK  
1 12 37

I W.P.  
RM 157  
2/2/10

H14



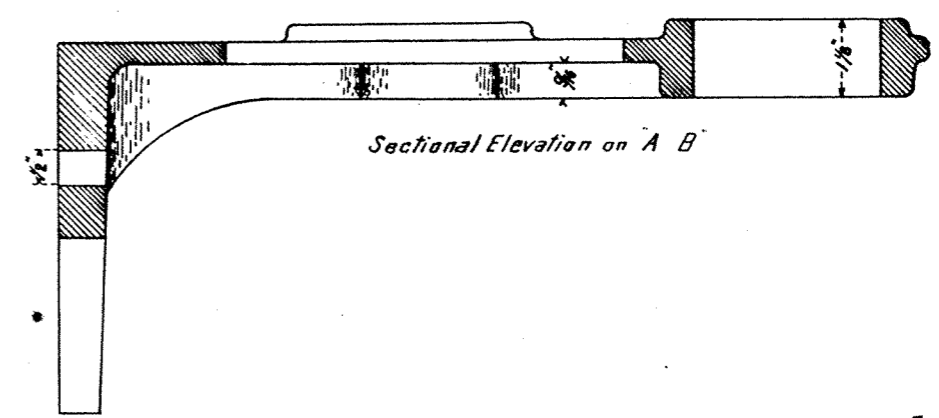
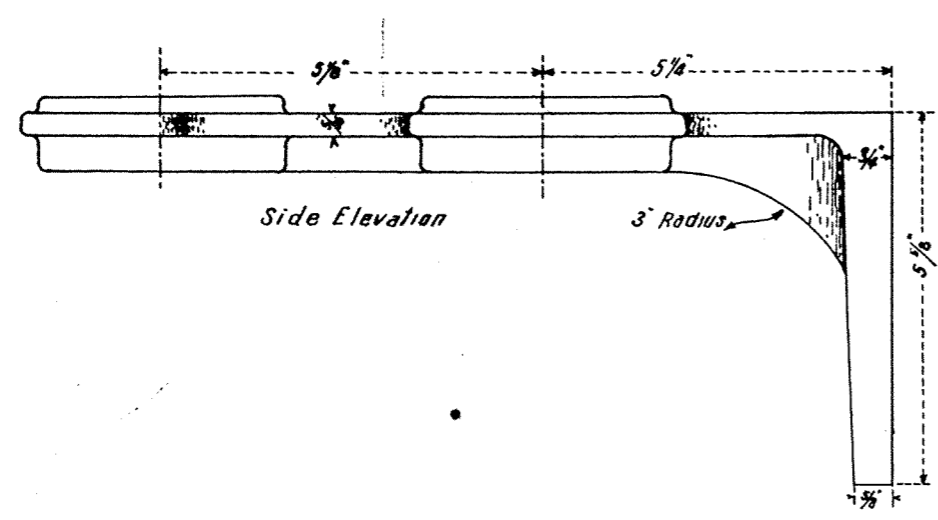
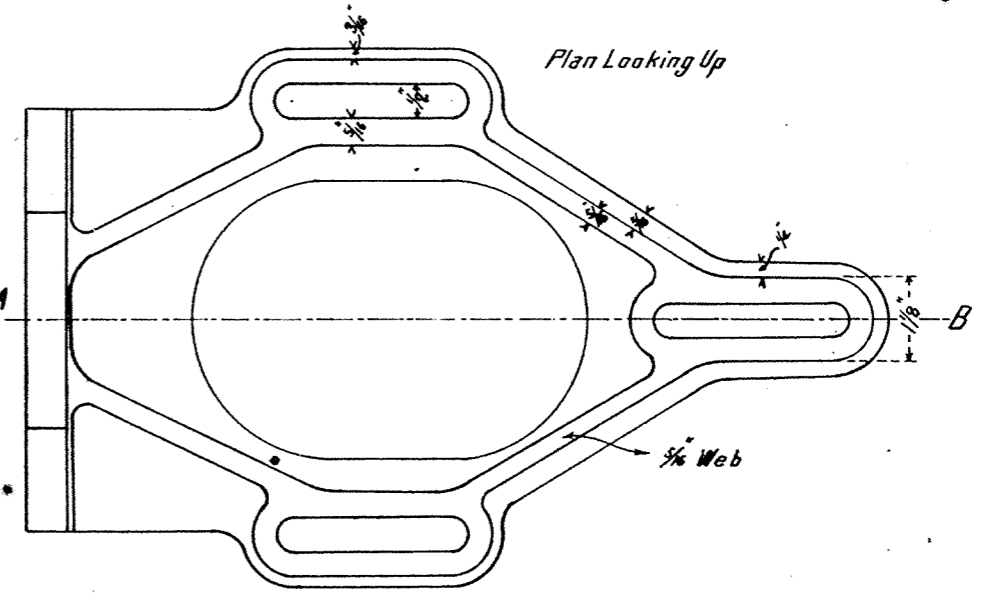
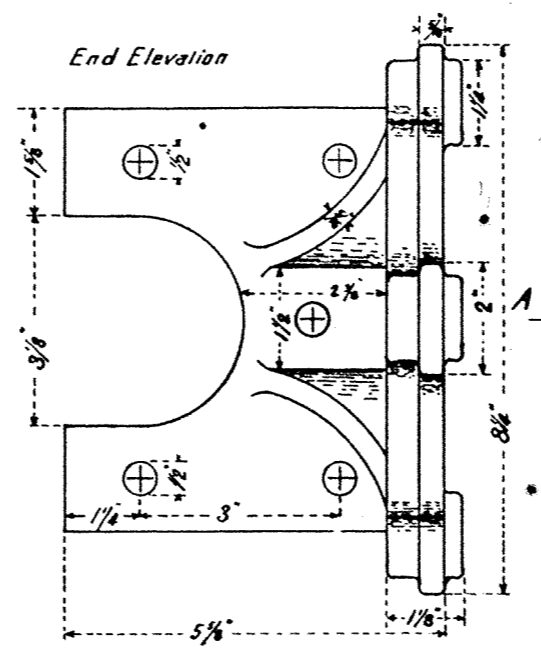
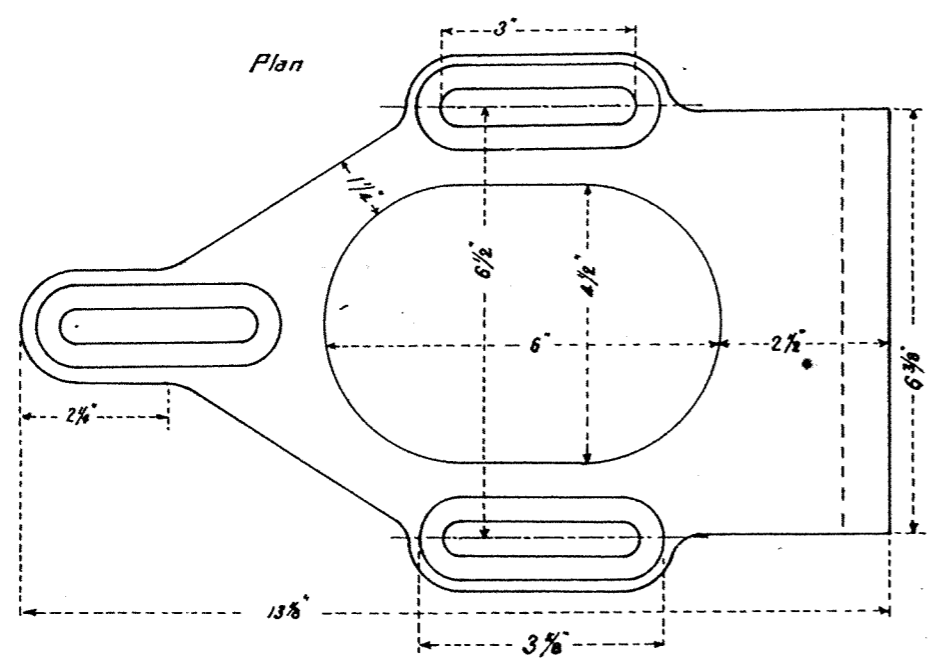
H14

2970  
REV. 12.37

# — V.R. — LAMP BRACKET — Scale. 6 Inches = 1 Foot. —

1 W.P.  
RM 157  
2/2/11/10

H14



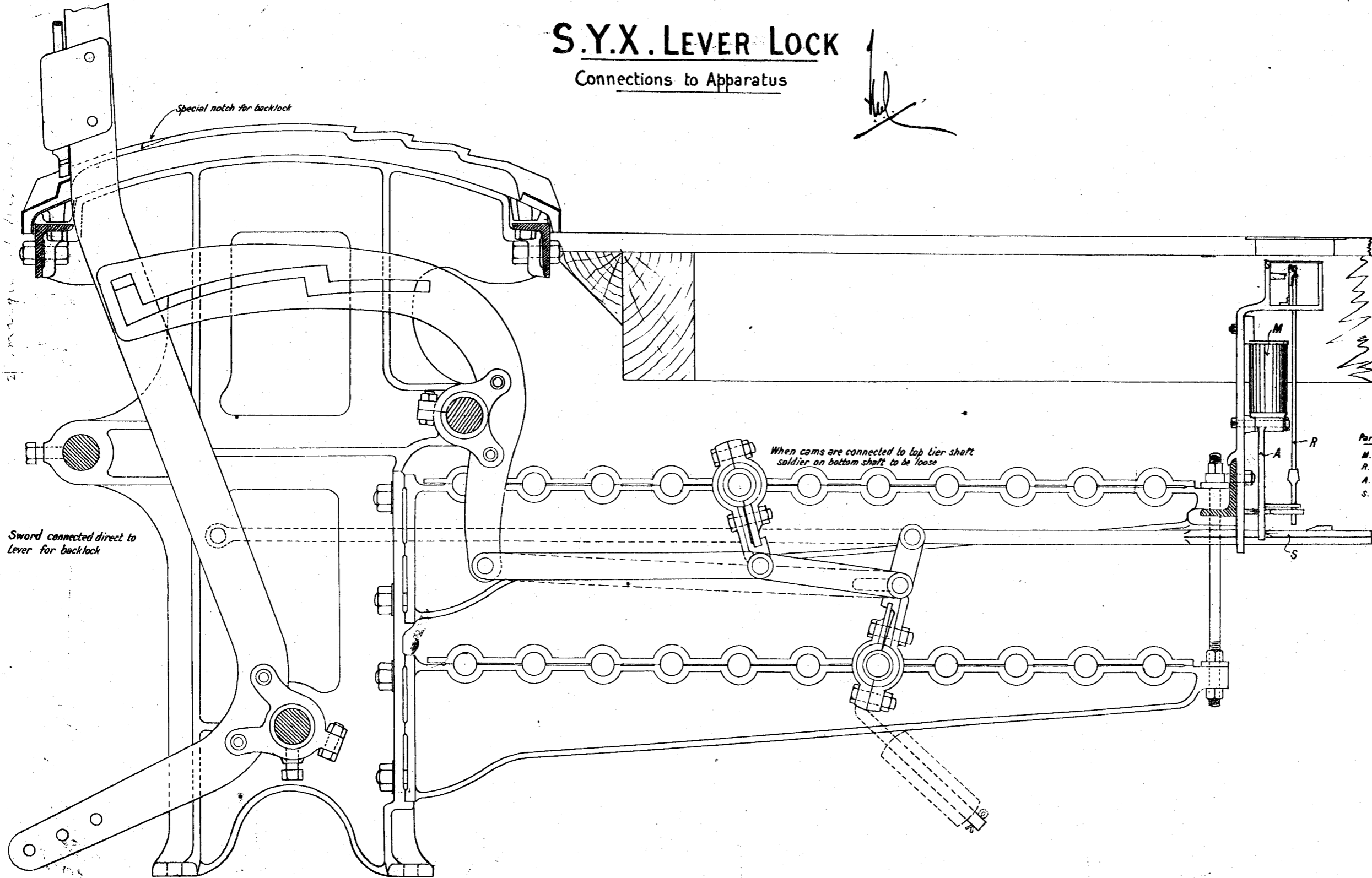
H14

204  
 R 2974  
 17 12 37

# S.Y.X. LEVER LOCK

Connections to Apparatus

*[Handwritten signature]*



- Parts of S.Y.X lever lock
- M. Electro-magnet
  - R. Mechanical release rod
  - A. Armature
  - S. Sword

Sword connected direct to lever for backlock

When cams are connected to top tier shaft soldier on bottom shaft to be loose

Special notch for backlock

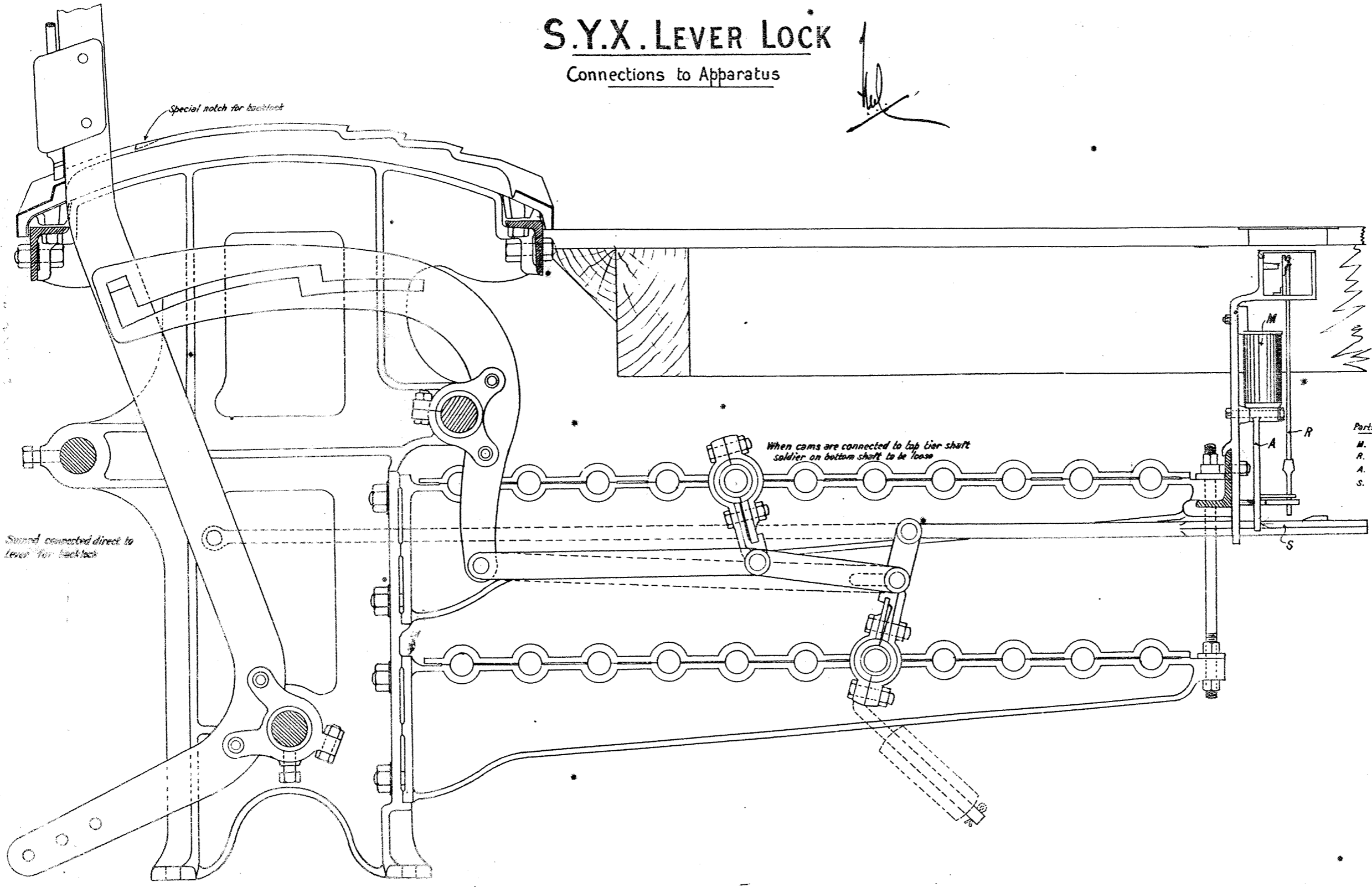
12-08  
**H22**  
 1004

207  
 R 2974  
 1 12 37

# S.Y.X. LEVER LOCK

Connections to Apparatus

*[Handwritten signature]*



*Special notch for backlock*

*Sword connected direct to lever for backlock*

*When cams are connected to top bar shaft solder on bottom shaft to be loose*

- Parts of S.Y.X lever lock
- M. Electro-magnet
  - R. Mechanical release rod
  - A. Armature
  - S. Sword

12-28

**H22**

1004

2975  
 J-1-3

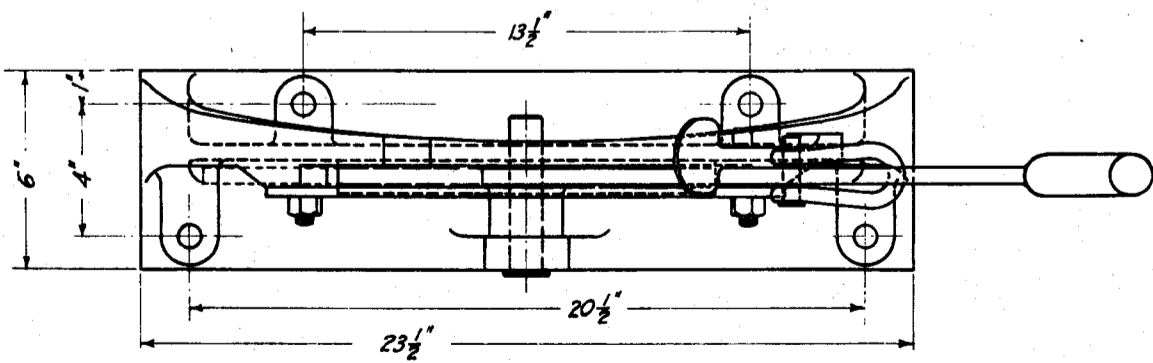
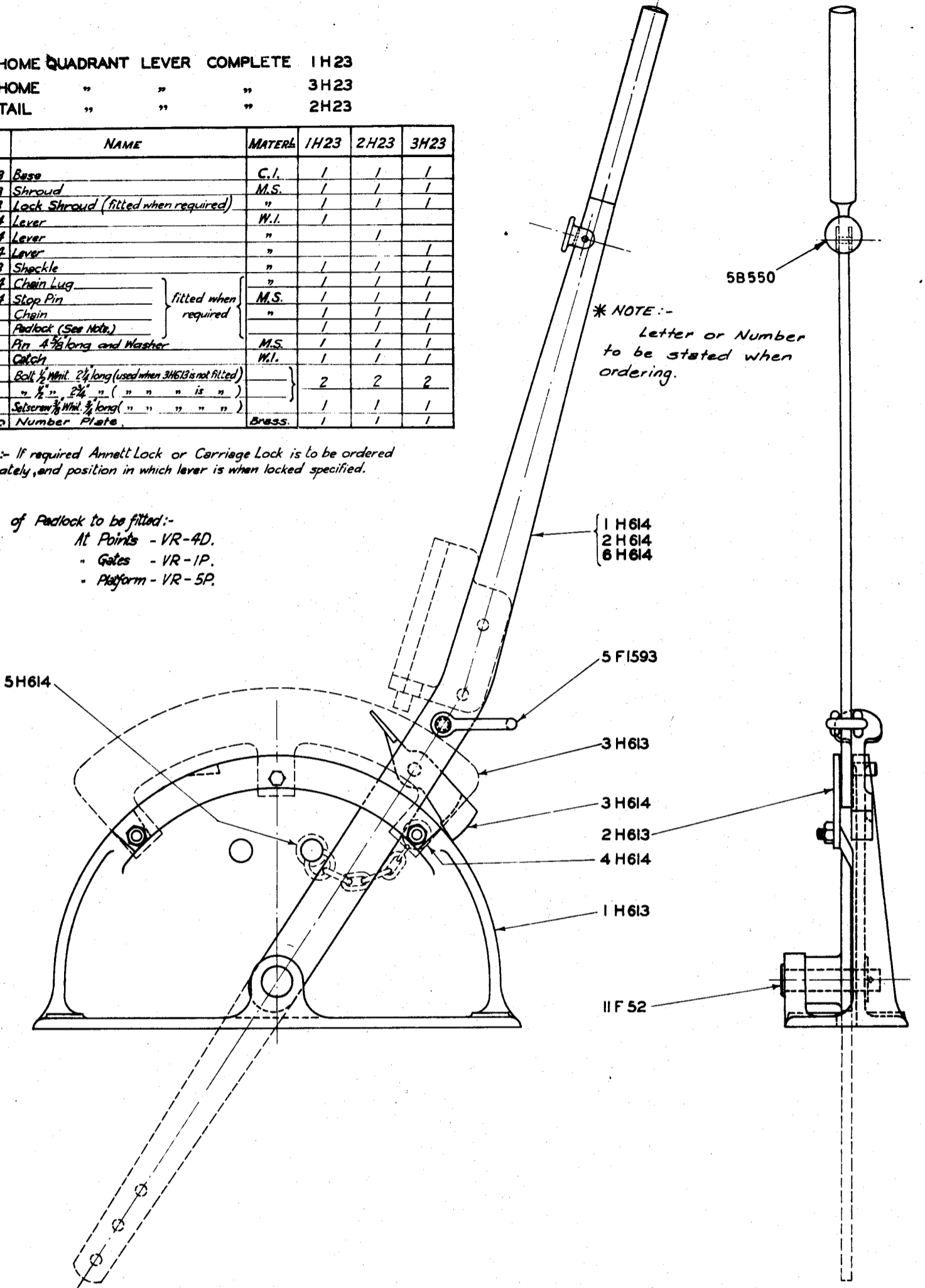
HOME QUADRANT LEVER COMPLETE 1H23  
 HOME " " " 3H23  
 TAIL " " " 2H23

NR	NAME	MATERL	1H23	2H23	3H23
1H613	Base	C.I.	1	1	1
2H613	Shroud	M.S.	1	1	1
3H613	Lock Shroud (fitted when required)	"	1	1	1
1H614	Lever	W.I.	1		
2H614	Lever	"		1	
6H614	Lever	"			1
5F1593	Shackle	"	1	1	1
4H614	Chain Lug	"	1	1	1
5H614	Stop Pin	fitted when required	M.S.	1	1
Stock	Chain		"	1	1
	Padlock (See Note)		"	1	1
11F52	Pin 4 3/8 long and Washer	M.S.	1	1	1
3H614	Catch	W.I.	1	1	1
Stock	Bolt 3/4 Whit. 2 1/4 long (used when 3H613 is not fitted)		2	2	2
"	" 1/2 " 2 1/4 " " " " " " " " "				
"	" Salscrew 3/4 Whit. 1/2 long " " " " " " " " "		1	1	1
*5B550	Number Plate	Brass	1	1	1

NOTE:- If required Annett Lock or Carriage Lock is to be ordered separately, and position in which lever is when locked specified.

Type of Padlock to be fitted:-

- At Points - VR-4D.
- Gates - VR-1P.
- Platform - VR-5P.



<b>H23</b> R 2975 1-10-31	6 10-8-76 2 28-5-39 1. 20-10-37	REDRAWN ORIGINAL UNDER SAME TITLE DATED 27-5-15	SIGNAL & TELEGR. ENGR. DRAWN FROM SAMPLE TRACED BY S.C.O.
	Part No. 5B550 Added.	Note re Padlock added.	Parts 3H23 & 6H614 added.
	VICTORIAN RAILWAYS <b>QUADRANT LEVER ASSEMBLY</b>		

SCALE 3" = 1" 1-10-31

2975  
 5-1-76  
 101-3

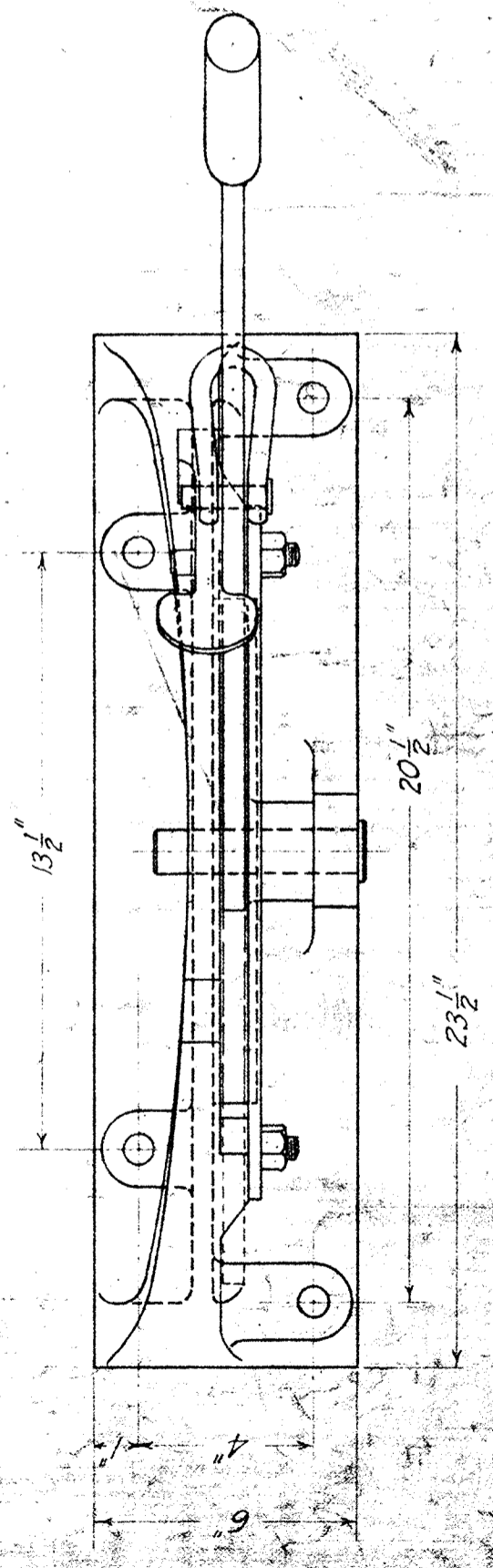
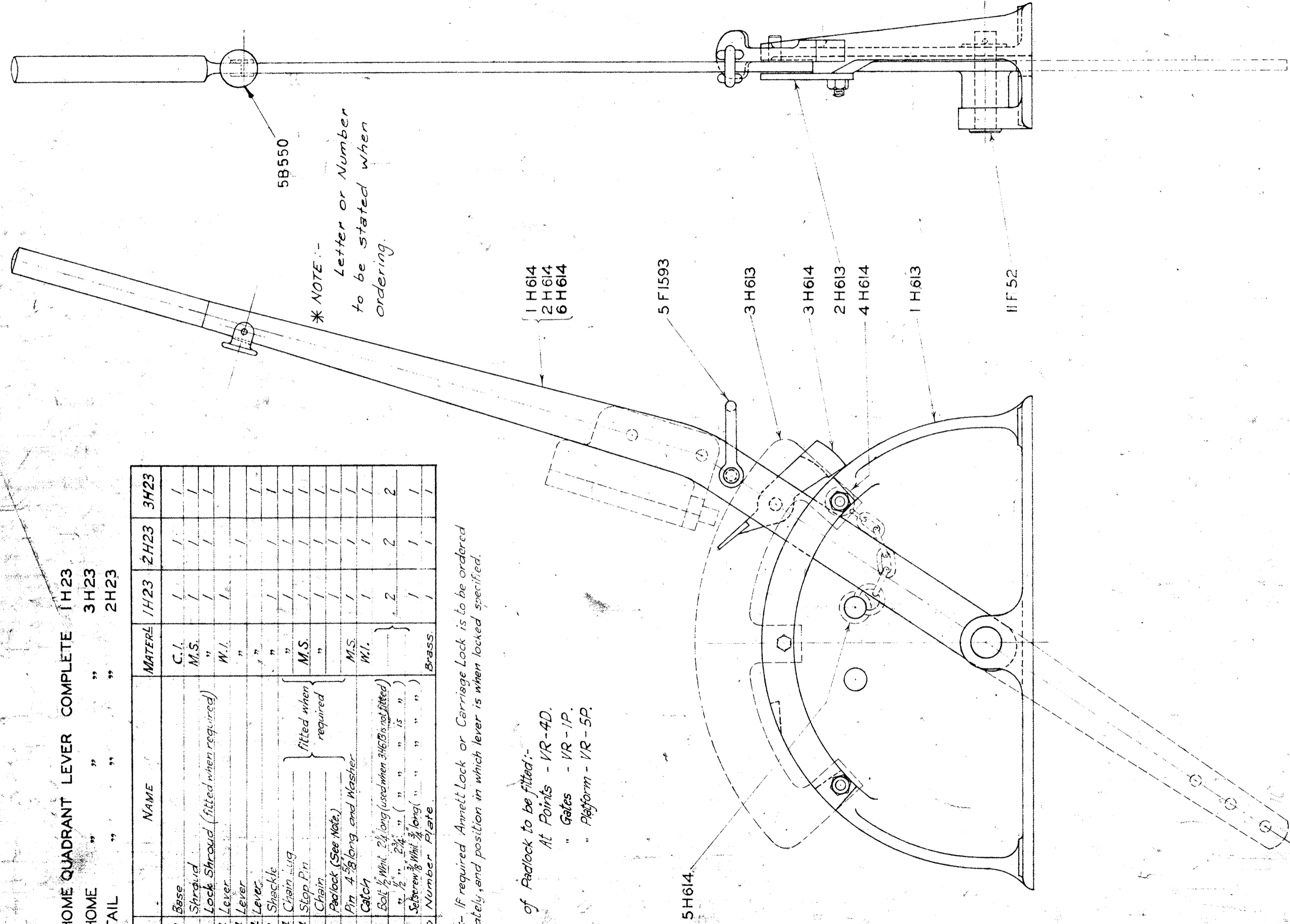
HOME QUADRANT LEVER COMPLETE 1H23  
 HOME " " " 3H23  
 TAIL " " " 2H23

NO	NAME	MATERIAL	1H23	2H23	3H23
1H613	Base	C.I.	/	/	/
2H613	Shroud	M.S.	/	/	/
3H613	Lock Shroud (fitted when required)	"	/	/	/
1H614	Lever	W.I.	/	/	/
2H614	Lever	"	/	/	/
6H614	Lever	"	/	/	/
5F1593	Shackle	"	/	/	/
4H614	Chain Lug	"	/	/	/
5H614	Stop Pin	M.S.	/	/	/
Stock	Chain	"	/	/	/
	Padlock (See Note.)	"	/	/	/
11F52	Pin 4 5/8 long and Washer	M.S.	/	/	/
3H614	Catch	W.I.	/	/	/
Stock	Bolt 1/2 Whit. 2 1/4 long (used when 3H613 is not fitted)	"	2	2	2
"	" 1/2 " 2 1/4 " "	"	/	/	/
"	" 3/8 Whit. 1 1/2 long ( " " )	"	/	/	/
"	" 3/8 Whit. 1 1/2 long ( " " )	"	/	/	/
5B550	Number Plate	Brass.	/	/	/

\* NOTE :-  
 Letter or Number  
 to be stated when  
 ordering.

NOTE:- If required Annett Lock or Carriage Lock is to be ordered separately, and position in which lever is when locked specified.

Type of Padlock to be fitted:-  
 At Points - VR-4D.  
 " " Gates - VR-1P.  
 " " Platform - VR-5P.



	6 10-8-76 Part No. 5B550 Added	2 28-3-59 Note re Padlock added	1 20-10-37 Parts 3H23 & 6H614 added.	REDRAWN ORIGINAL UNDER SAME TITLE DATED 27-5-15	VICTORIAN RAILWAYS <b>QUADRANT LEVER</b> ASSEMBLY	SIGNAL & TELEGR. ENGR. 	DRAWN FROM SAMPLE 	TRACED BY S. C. O. 
	H 23 	H 23 	H 23 	H 23 	H 23 	H 23 	H 23 	H 23 

SCALE 3" = 1"  
 1-10-31

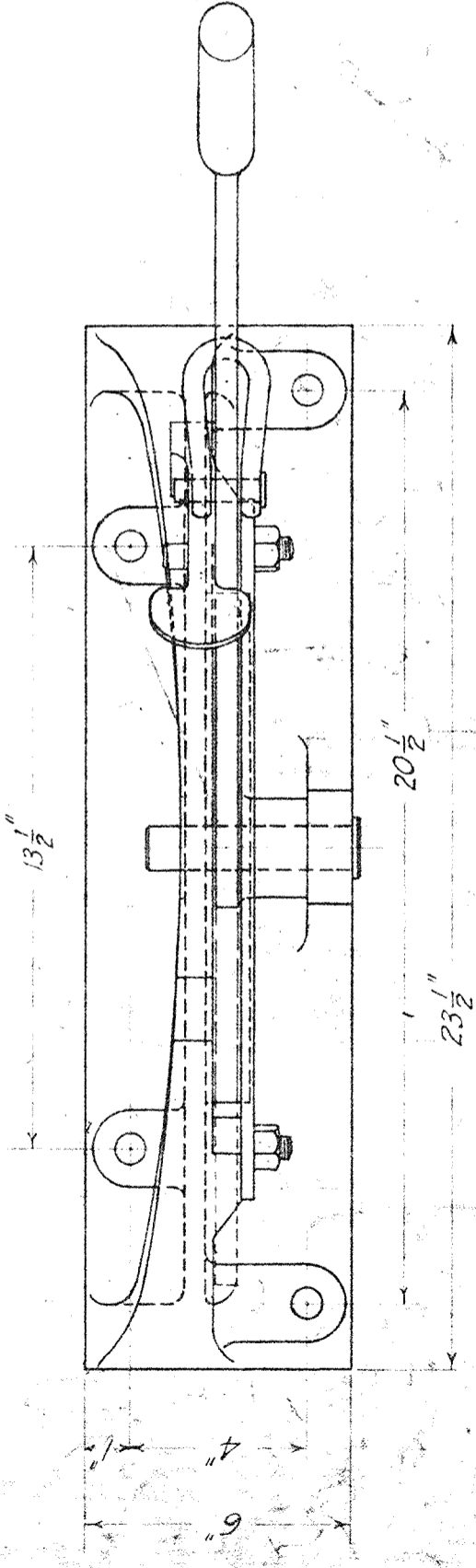
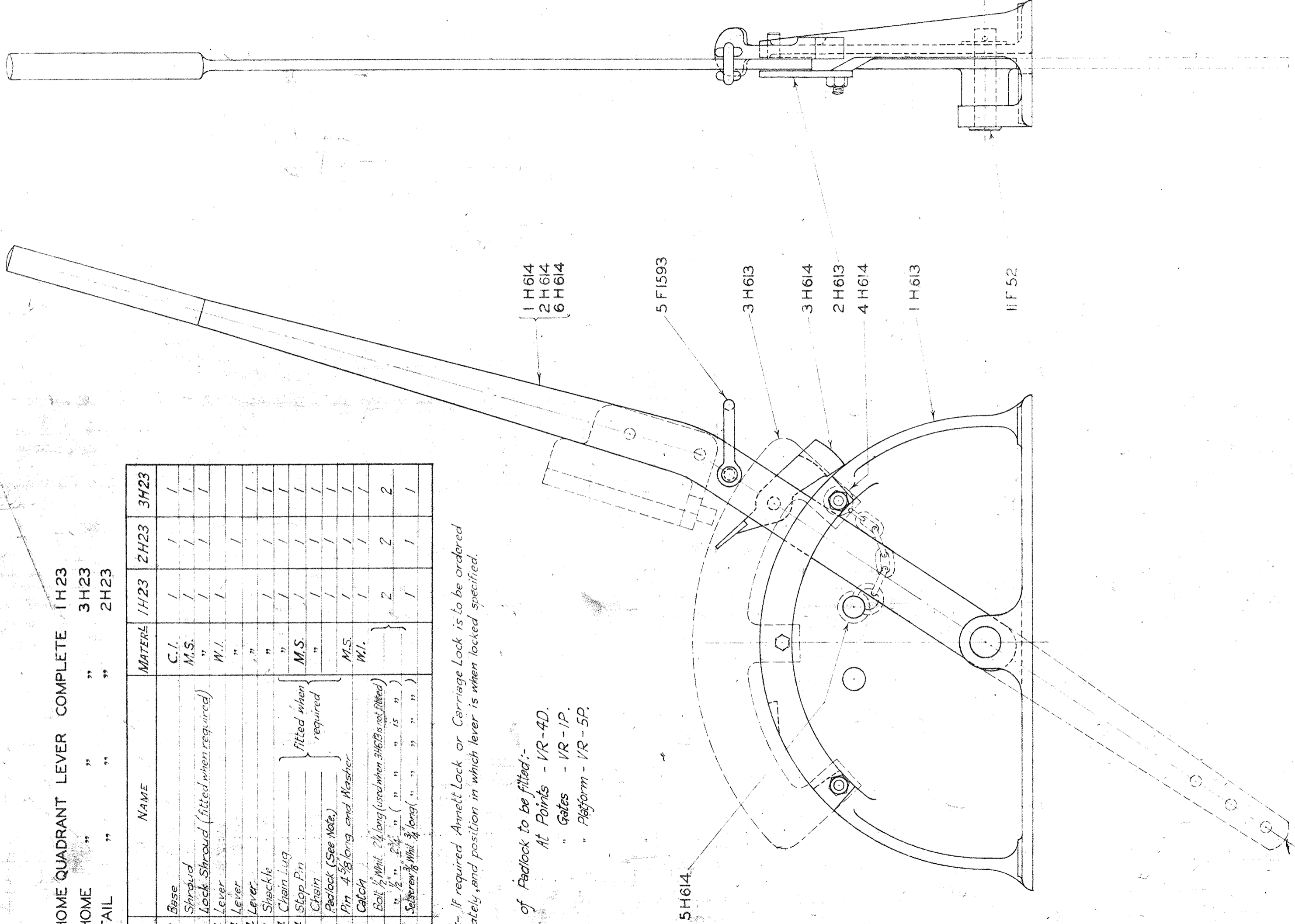
2975  
2976  
2977

HOME QUADRANT LEVER COMPLETE 1H23  
HOME " " " 3H23  
TAIL " " " 2H23

NO	NAME	MATERIAL	1H23	2H23	3H23
1H613	Base	C.I.	/	/	/
2H613	Shroud	M.S.	/	/	/
3H613	Lock Shroud (fitted when required)	"	/	/	/
1H614	Lever	W.I.	/		
2H614	Lever	"		/	
6H614	Lever	"		/	
5F1593	Shackle	"	/	/	/
4H614	Chain Lug	"	/	/	/
5H614	Stop Pin	M.S.	/	/	/
Stock	Chain	"	/	/	/
	Padlock (See Note)	"	/	/	/
11F52	Pin 4 5/8 long and Washer	M.S.	/	/	/
3H614	Catch	W.I.	/	/	/
Stock	Bolt 1/2 Whit. 7/4 long (used when 3H613 is not fitted)	"	2	2	2
"	" 1/2 " 2 1/4 " " " " " " " " " "	"			
"	" 3/8 Whit. 3/4 long " " " " " " " " " "	"	1	1	1

NOTE:- If required Annett Lock or Carriage Lock is to be ordered separately, and position in which lever is when locked specified.

Type of Padlock to be fitted:-  
At Points - VR-4D.  
" Gates - VR-1P.  
" Platform - VR-5P.

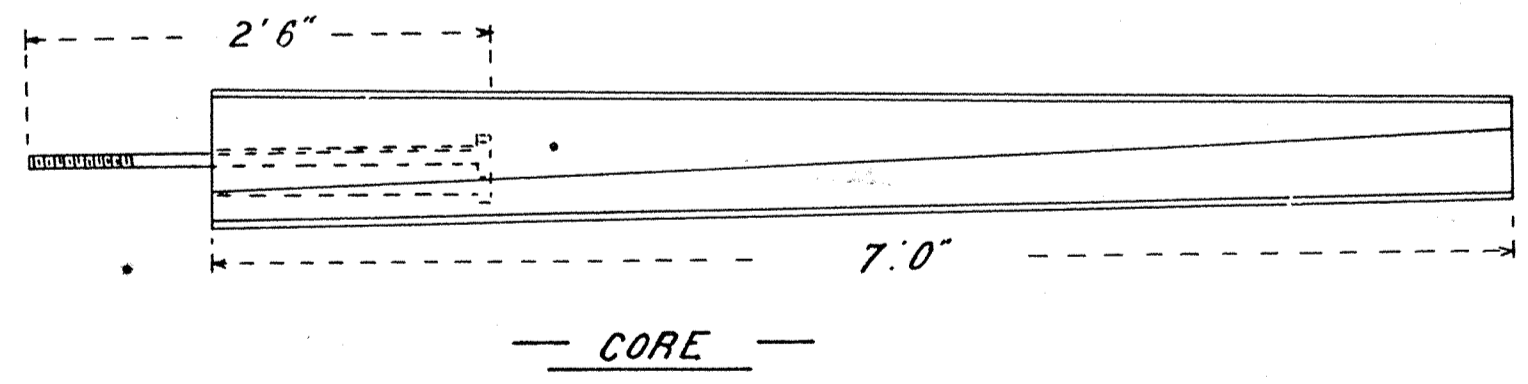
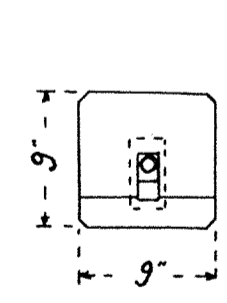
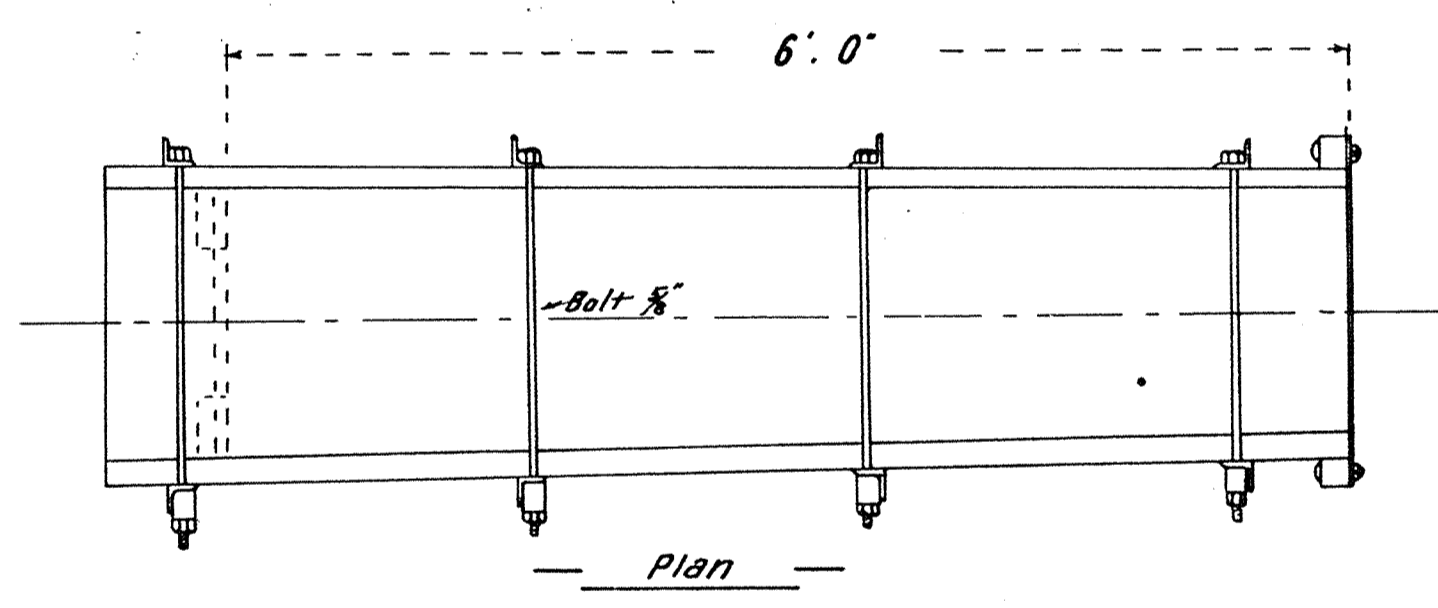
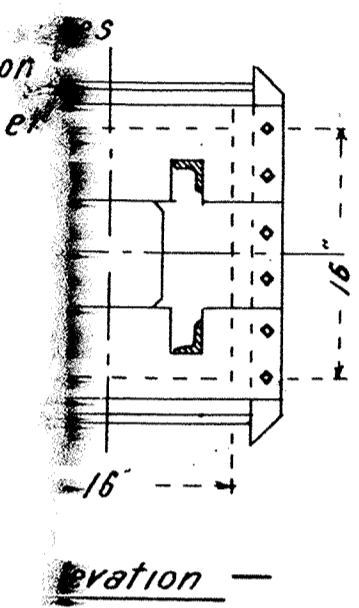
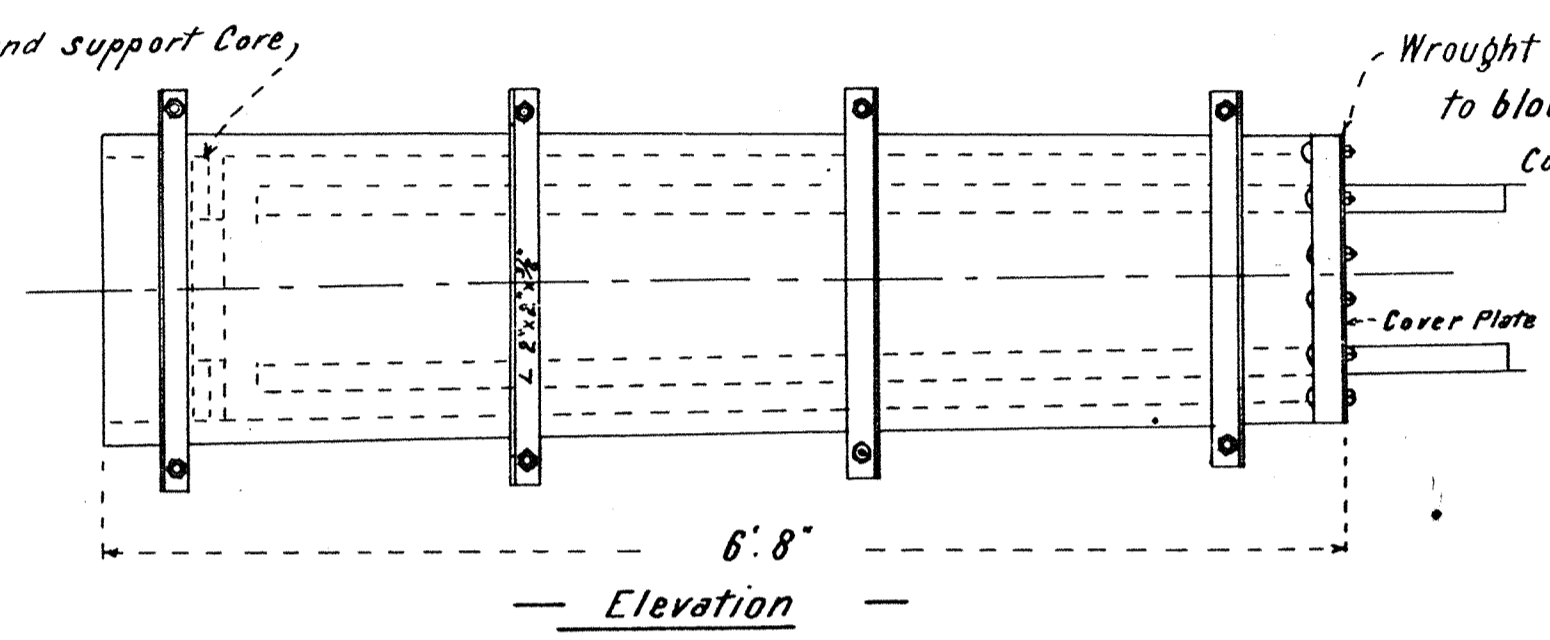
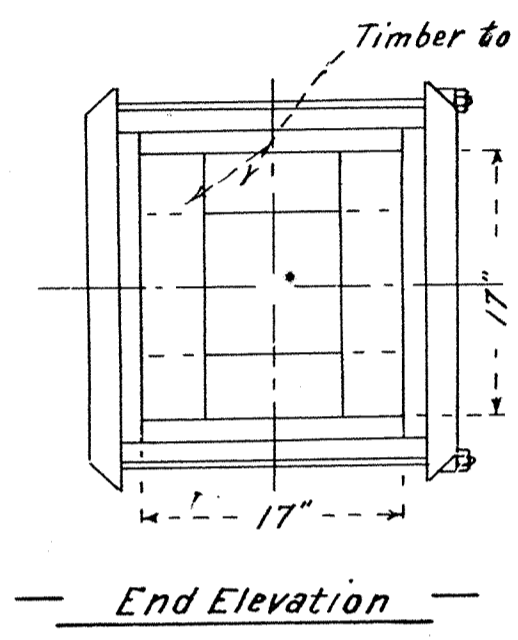


2975 H23	28-3-39 Note re Padlock added.	1. Parts 3H23 & 6H614 added.	20.10.37	REDRAWN ORIGINAL UNDER SAME TITLE DATED 27-5-15	VICTORIAN RAILWAYS		DRAWN FROM SAMPLE H.M.	S.C.P.	TRACED BY
					QUADRANT LEVER ASSEMBLY				
SCALE 3" = 1 FT.			1-10-31						

— V. R. —  
**— MOULD FOR CONCRETE SIGNAL BUTT —**

— Scale 1" = 1' —

RECORD PLAN  
**R 2977**  
 NEW SERIES  
 DATE 1/16/37



— Proportions of Concrete —

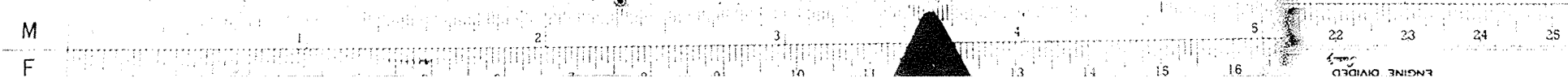
Sand	4	Parts
Screenings	8	"
Cement	3	"

— Method of Filling-in —

Convenient quantity of concrete is mixed, well packed in  
 and then a further quantity is mixed until box is full  
 the end and BOX to be well covered with soft soap or waste  
 before using  
 the removed after 24 hours  
 after 3 days

674-13

H28





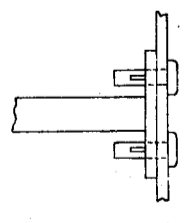
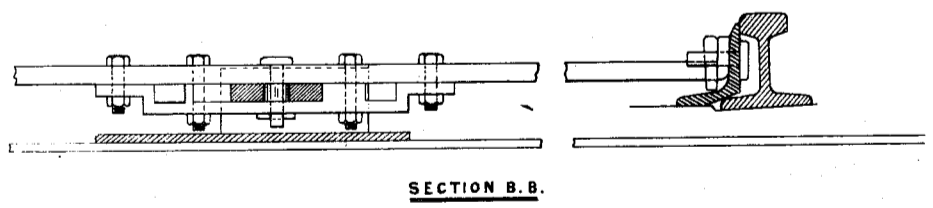
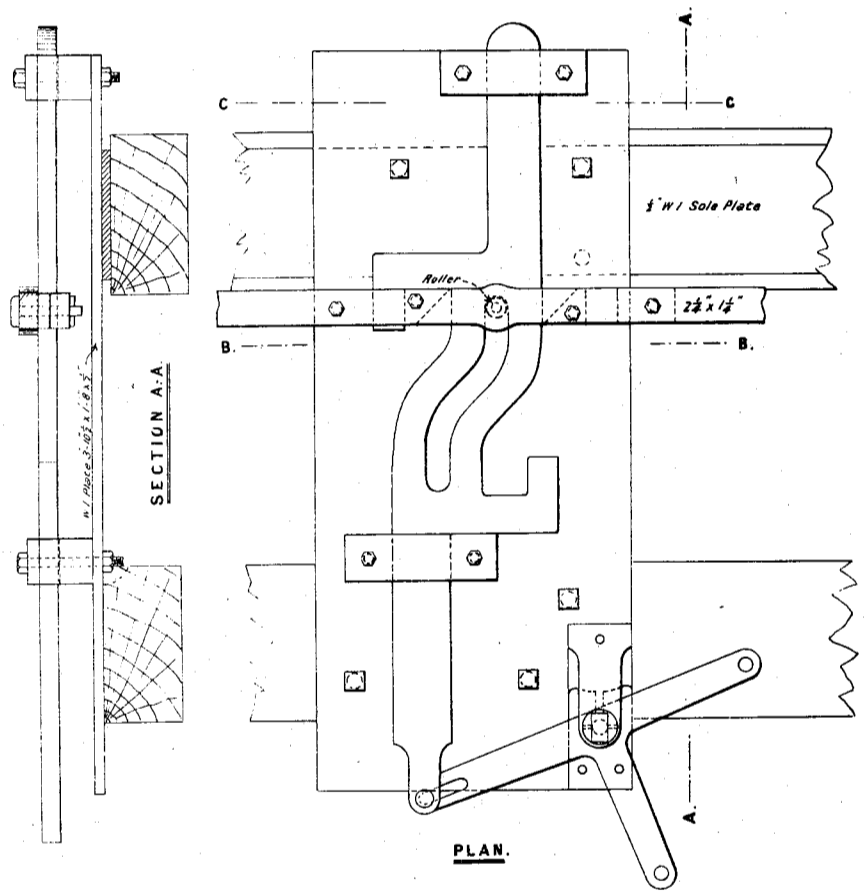
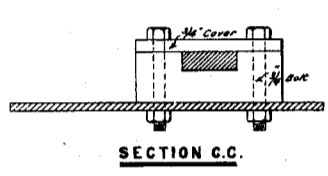
Prince + Langlois's Facing Point Lock. Used by Midland G (Eng). Manufactured by McK+H See p88 Mech. Ptg. Sig. H. Rayner Wilson

2978

V. R.

FACING POINT LOCKING APPARATUS

SCALE 2 INCHES TO A FOOT



1/2\"/>

H29

MICRO-DATA

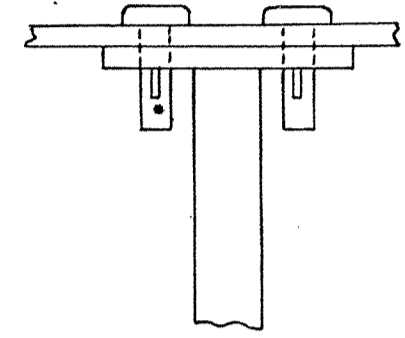
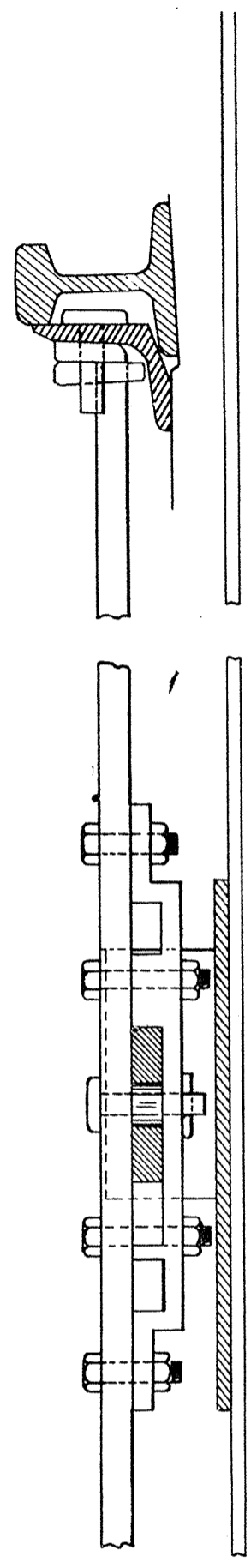
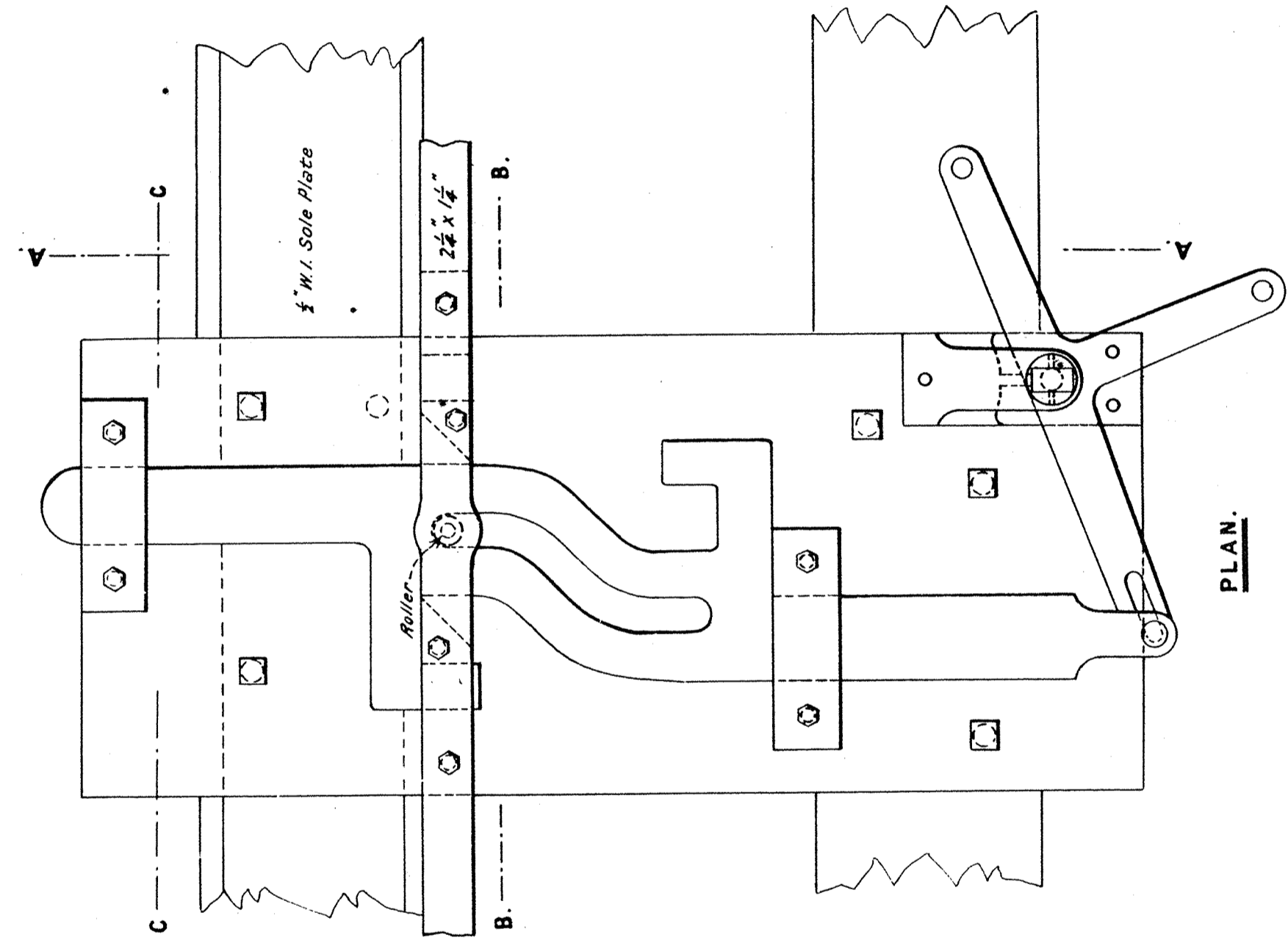
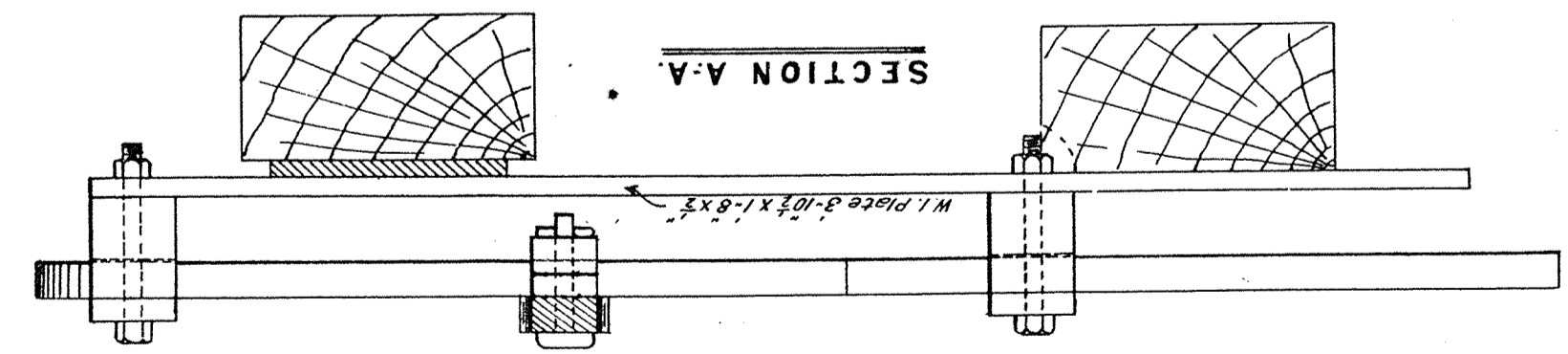
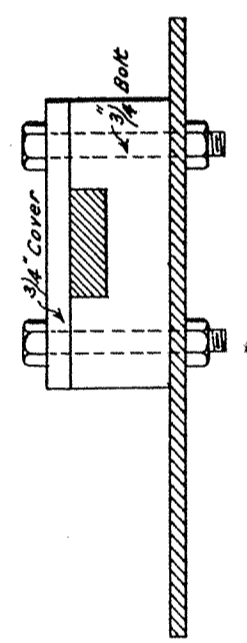


2978  
12-37

V.R.

FACING POINT LOCKING APPARATUS

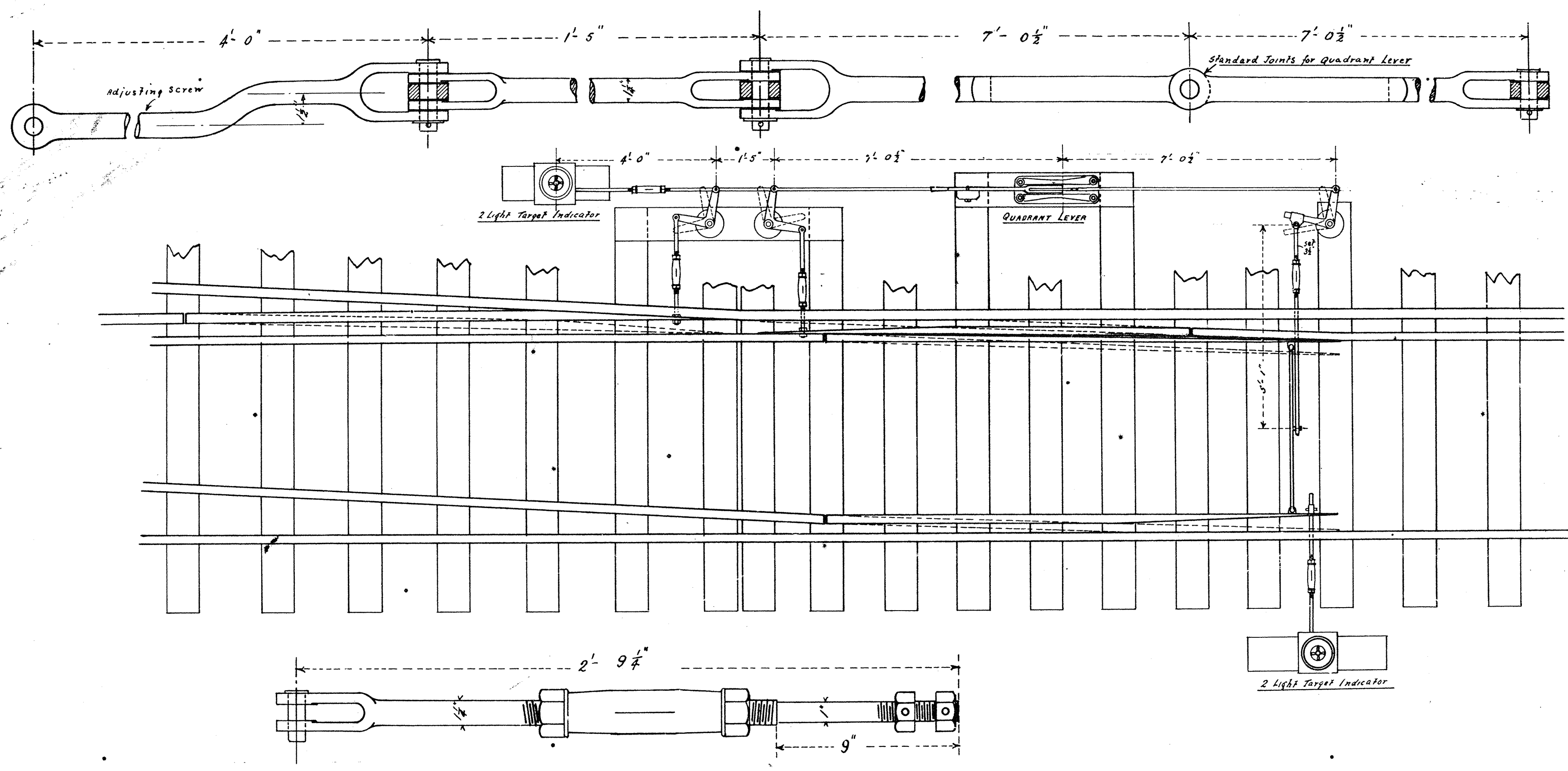
SCALE 2 INCHES TO A FOOT.



H29

← 2" margin

1WL 1024



— V. R. —

— WODONGA SIDINGS —

— 3<sup>rd</sup> RAIL POINT CONNECTIONS AT DOWN END —

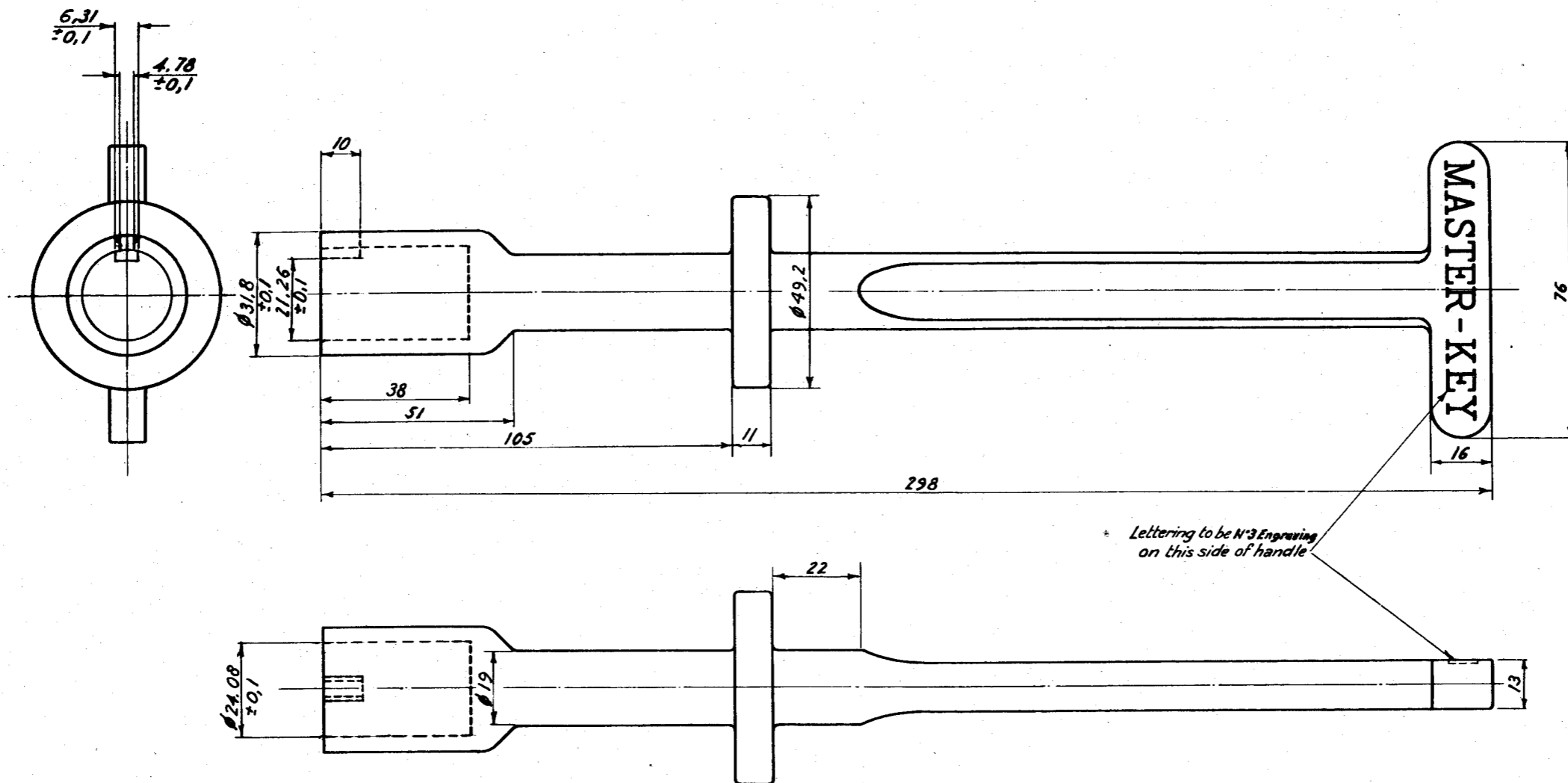
— SCALES 1/2" & 3" = 1'-0" —

*W.L.H.*  
11.1.11

11-3

RECORD PLAN  
R 2979  
NEW ZEALAND  
1 12 37

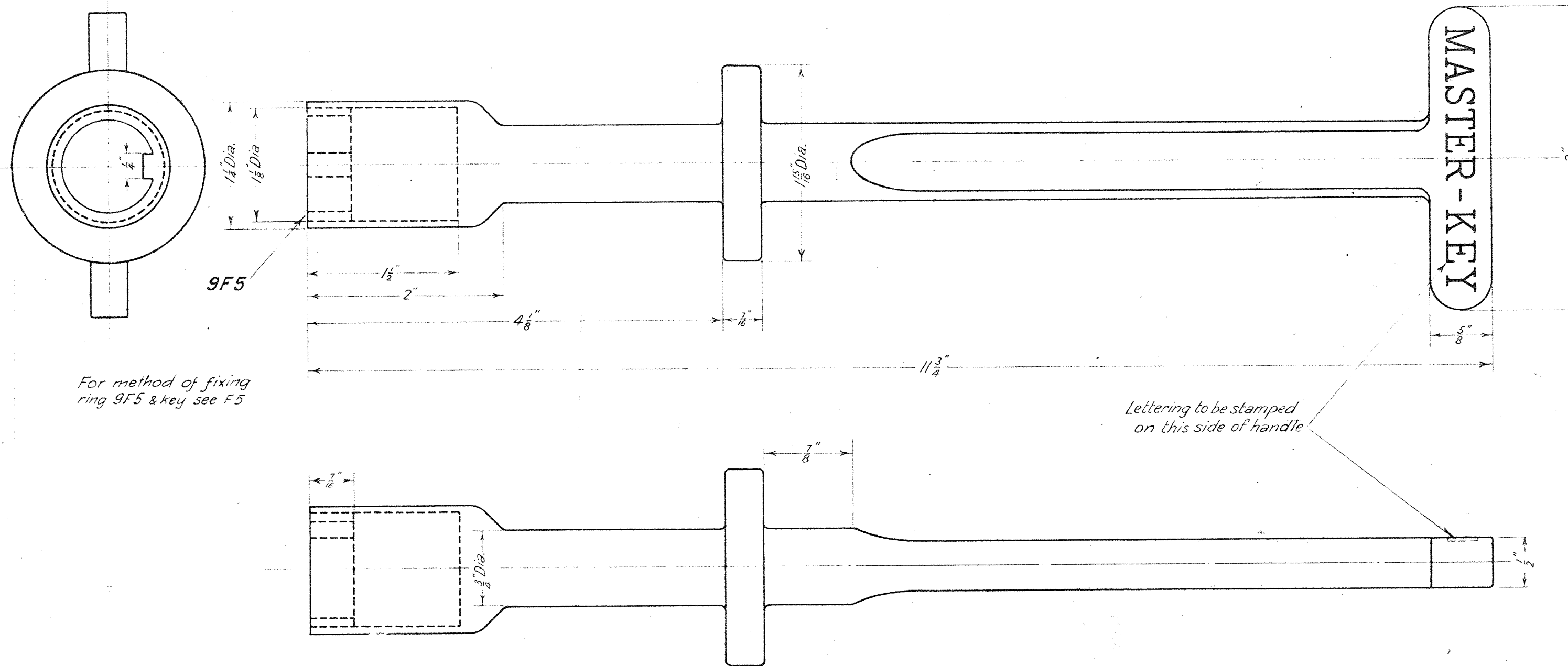
H30  
156-11



Material:- Mild Steel.  
Finish:- Cadmium Plated.

NOTE:- When used in conjunction with an Intermediate Staff Instrument the Key must be Engraved as follows:-  
"S.M. \_\_\_\_\_ for use at \_\_\_\_\_ Siding in event of failure of Electric Staff Apparatus."  
The person ordering will supply the names of the station & siding.

4862 71-3	A Revised & converted to metric (I.S.O.) Standard. Method of fixing key revised 9FS previously used. B.V.	3-1-80 Alteration No 180B.	4-9-78 Alteration No 1357.	27-5-68. Alteration No 749.	19-7-50. Alteration No 387.	16-6-38 Alteration No 387.	I. Instructions for use with Intermediate Staff Instrument added.	22-11-37 REDRAWN ORIGINAL SAME TITLE & NUMBER	VICTORIAN RAILWAYS <b>MASTER-KEY</b> FOR STAFF LOCKS LARGE TYPE	Chief Engr. Sigs. & Tels. Drawn from Sample Traced by M.S.C.	IM-H35 <b>M-H35</b>
	28-3-30										



For method of fixing ring 9F5 & key see F5

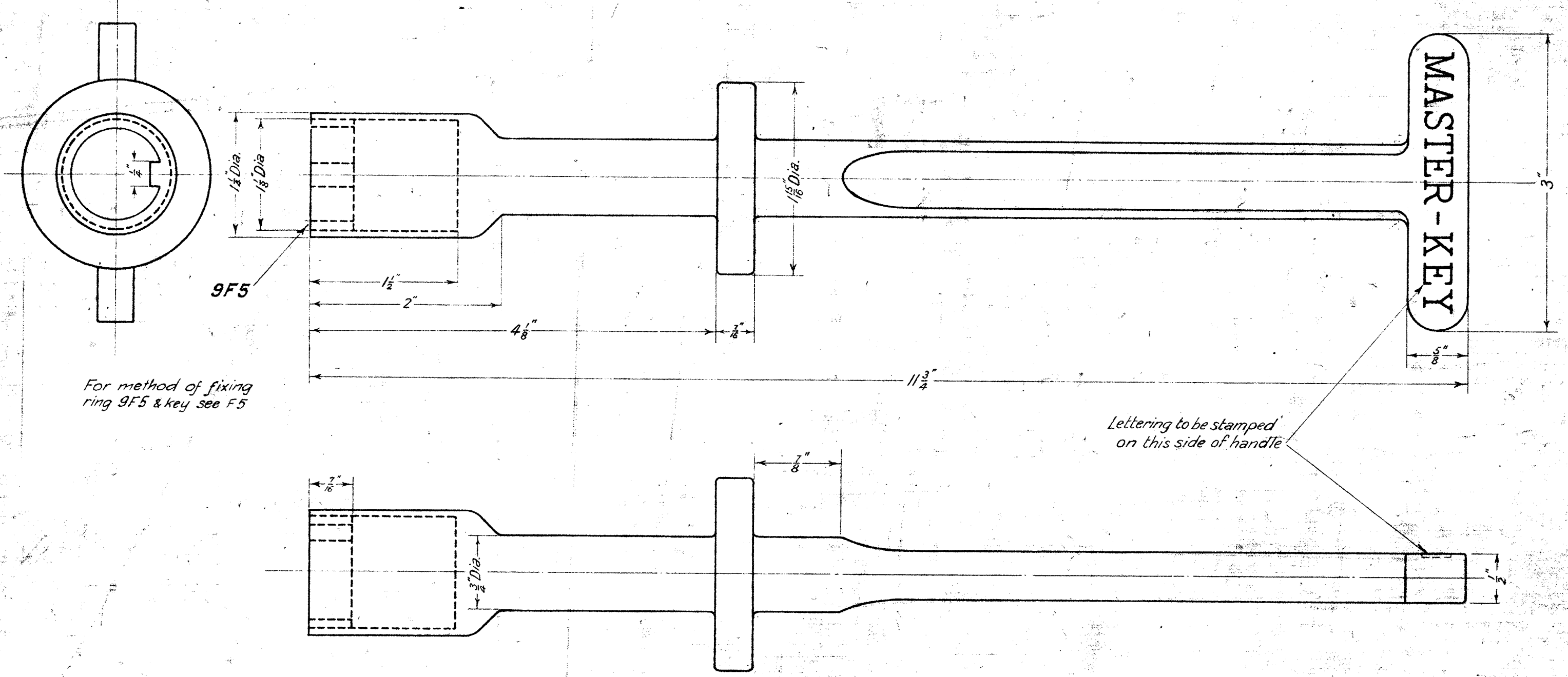
Lettering to be stamped on this side of handle

NOTE:- When used in conjunction with an Intermediate Staff Instrument the Key must be lettered as follows:-  
 "S.M.----- for use at ----- Siding in event of failure of Electric Staff Apparatus."  
 The person ordering will supply the names of the station & siding.

2984

19-7-50 Alteration No 749 JAW	16-6-38 Alteration No 387 W.H.	1. 22-11-37 Instructions for use with Intermediate Staff Instrument added. W.H. T.M.B. K.C.H.C.	REDRAWN ORIGINAL SAME TITLE & NUMBER	VICTORIAN RAILWAYS <b>MASTER KEY</b> FOR STAFF LOCKS LARGE TYPE 28-3-30.	Chief Engr. Sigs. & Tels. H.A.	Drawn from Sample H.A.M.B. W.S.C.	Traced by W.S.C. H35
--	---	--	--	--	--------------------------------------	---	----------------------------

IH35



For method of fixing ring 9F5 & key see F5

9F5

Lettering to be stamped on this side of handle

Material:- Mild Steel.  
Finish:- Cadmium Plated.

NOTE:- When used in conjunction with an Intermediate Staff Instrument the Key must be lettered as follows:-  
"S.M.----- for use at ----- Siding in event of failure of Electric Staff Apparatus."  
The person ordering will supply the names of the station & siding.

21  
1862

27-5-68. Alteration No 1337. I.B.	19-7-50. Alteration No 749. J.A.W.	16-6-38 Alteration No 387. V.P.	22-11-37 Instructions for use with Intermediate Staff Instrument added. J.H. TULLY R.E.H.C.
--	---	--	---

REDRAWN  
ORIGINAL SAME  
TITLE & NUMBER

VICTORIAN RAILWAYS  
**MASTER KEY**  
FOR STAFF LOCKS  
LARGE TYPE

Chief Engr. Sigs. & Tels. H.C.	Drawn from Sample H.C.	Traced by W.S.C.
--------------------------------------	---------------------------------	---------------------

H35

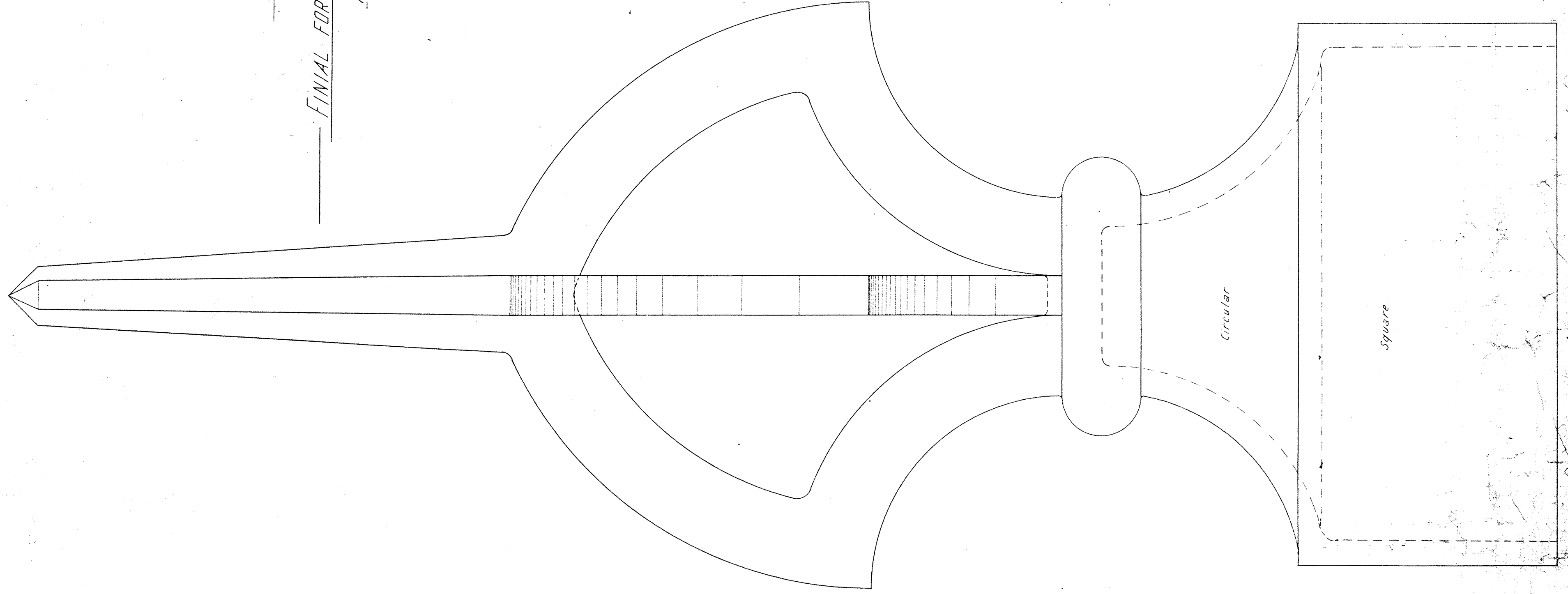
J. 1-3  
2985  
22-8-59

— V R —

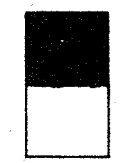
— FINIAL FOR SEMAPHORE MASTS —

Full Size.

*W. H. P.*



H36

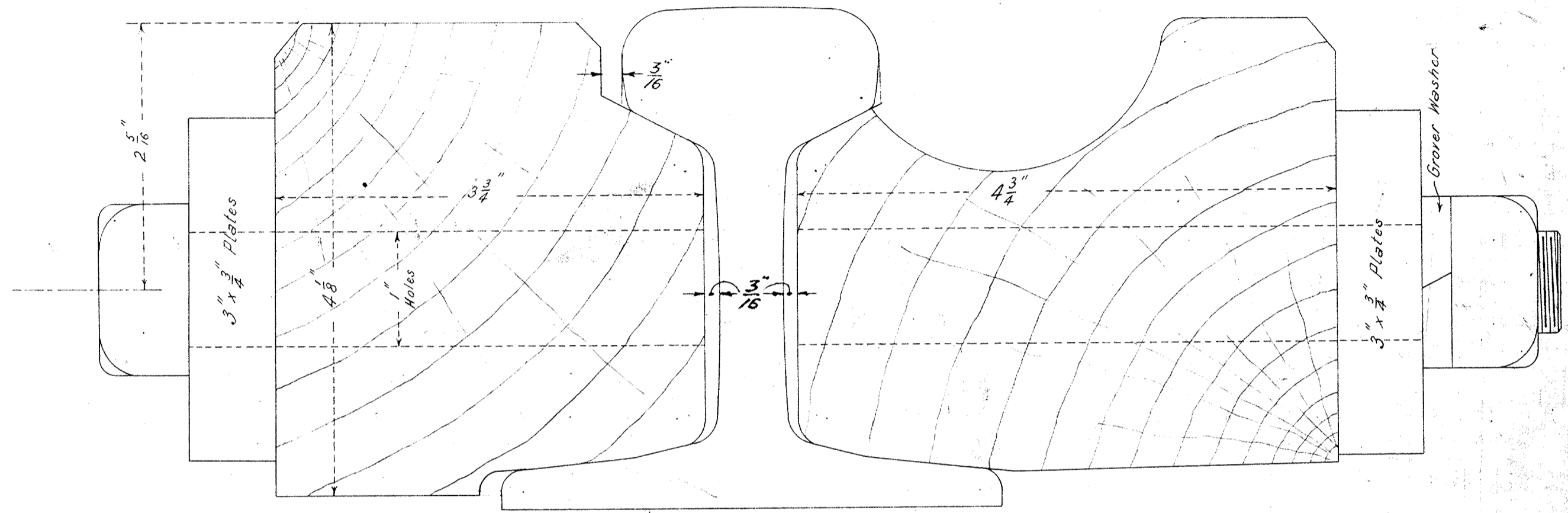
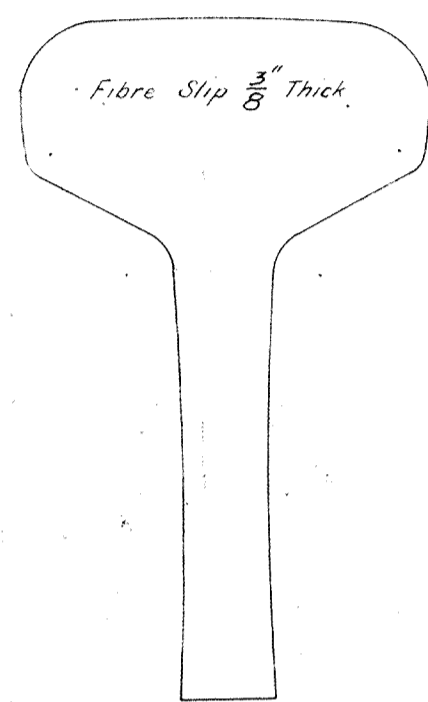


H36

Standard Blocks for Insulated Joints

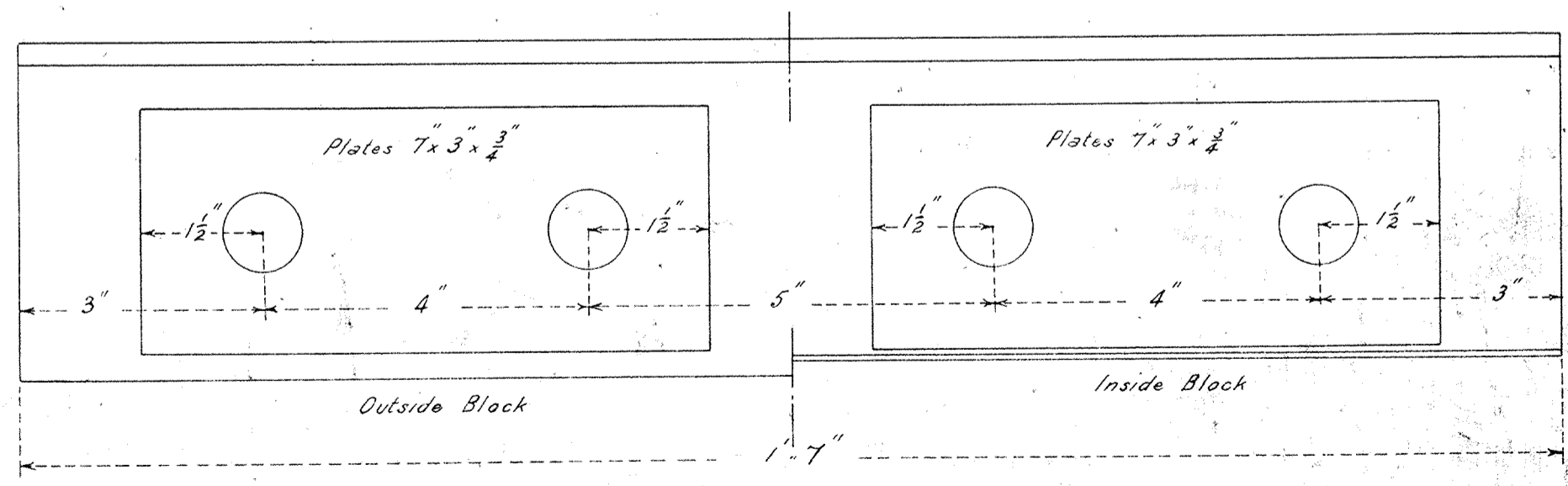
60 lb "D" Class Rails

15.1.12



Cross Section  
 Full Size

Note  
 Blocks to be of Selected Ironbark or Grey Box



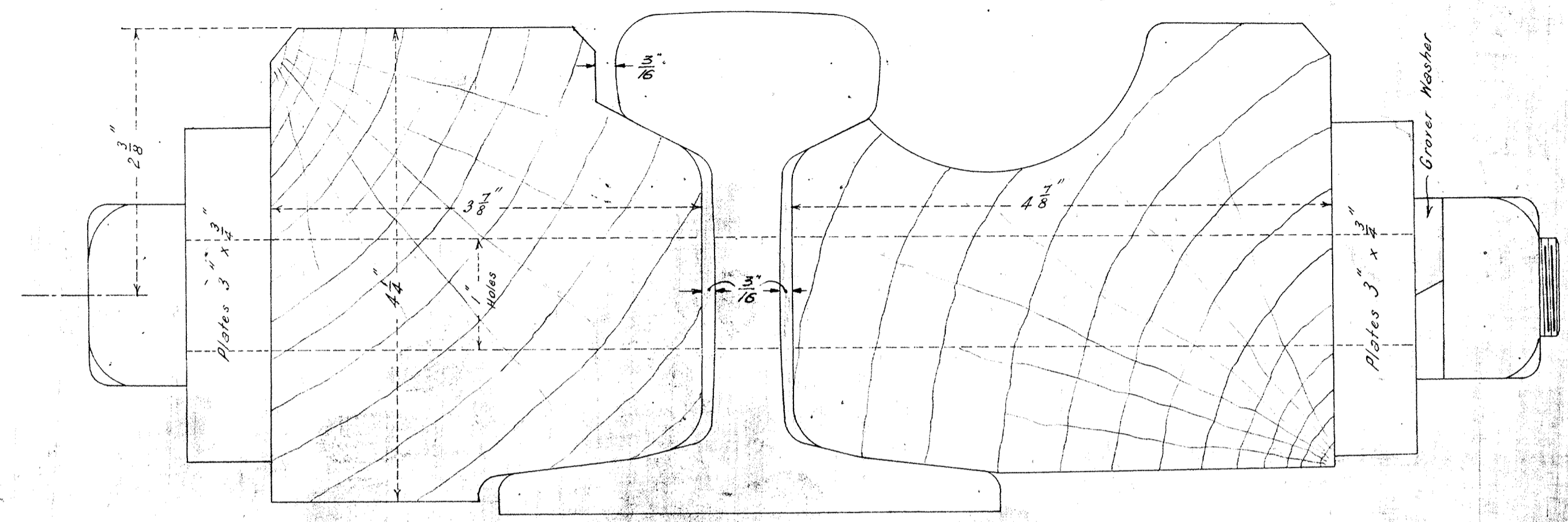
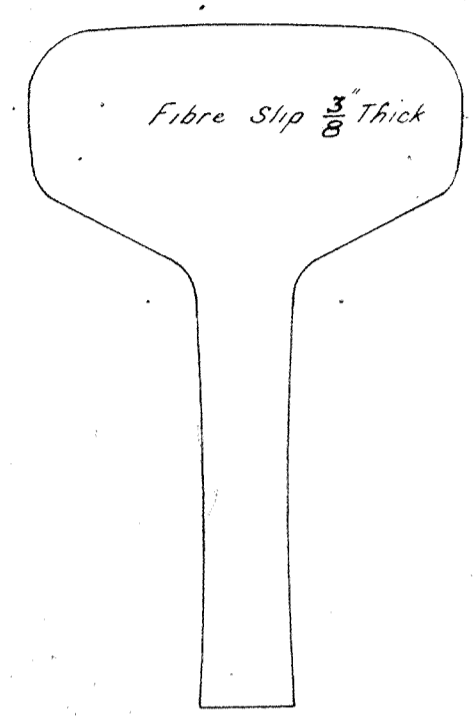
Side Elevation  
 Half Full Size

219.12



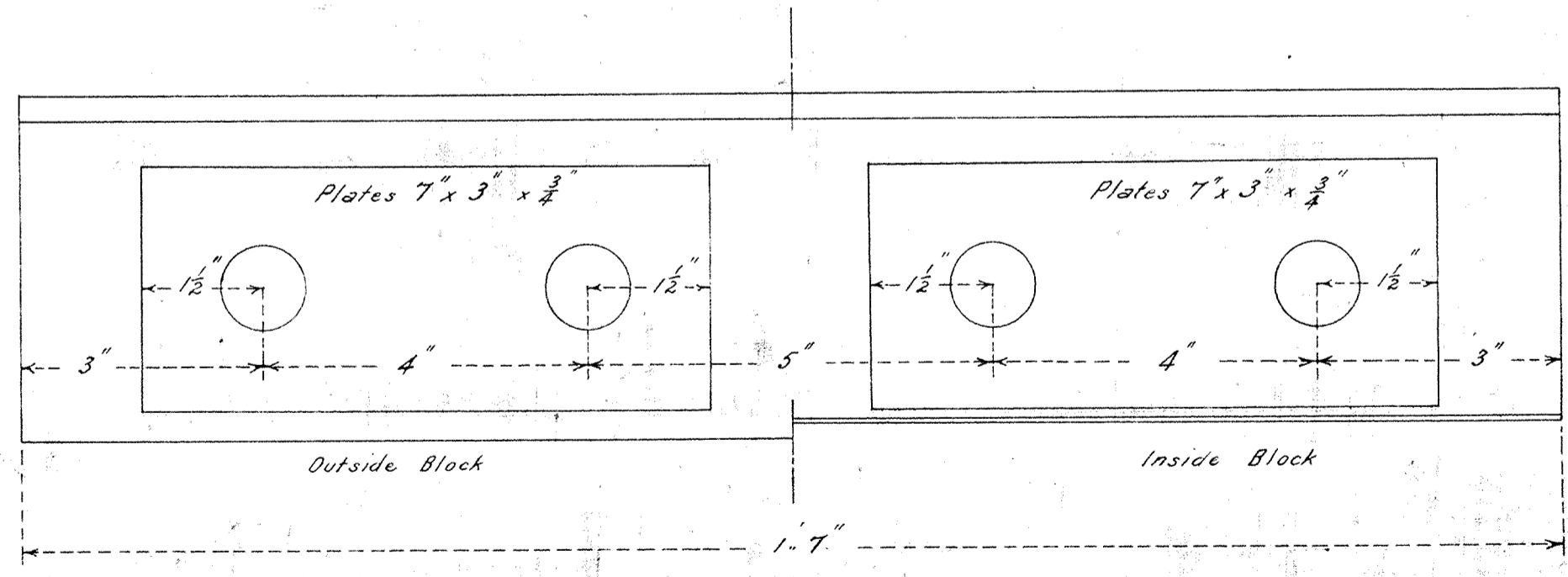
Standard Blocks for Insulated Joints  
66 lb "F" Class Rails

*Handwritten signature and date*



Cross Section  
Full Size

Note:  
Blocks to be of selected Ironbark or Grey Box



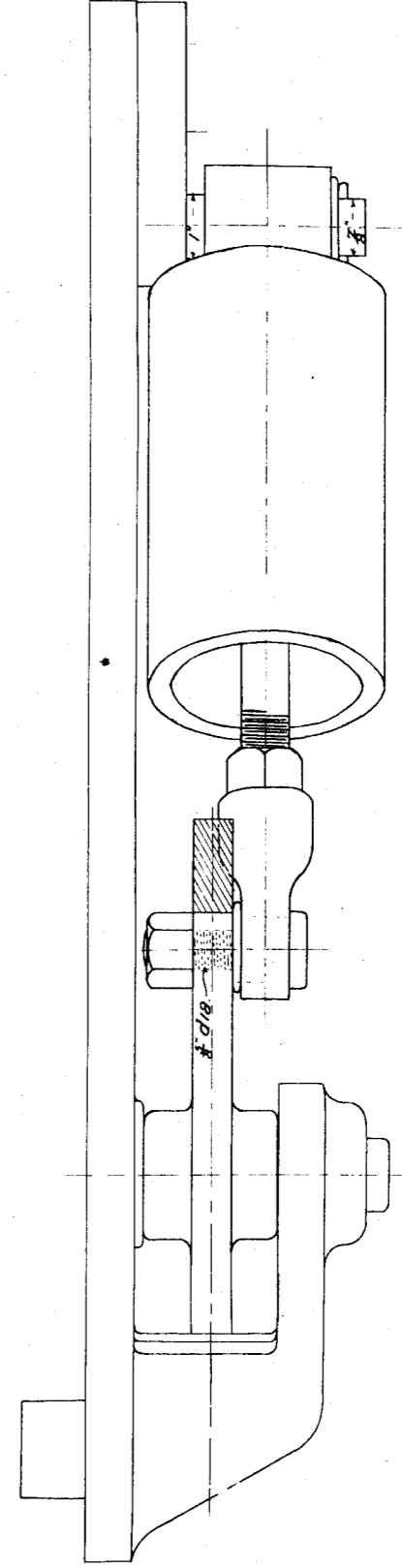
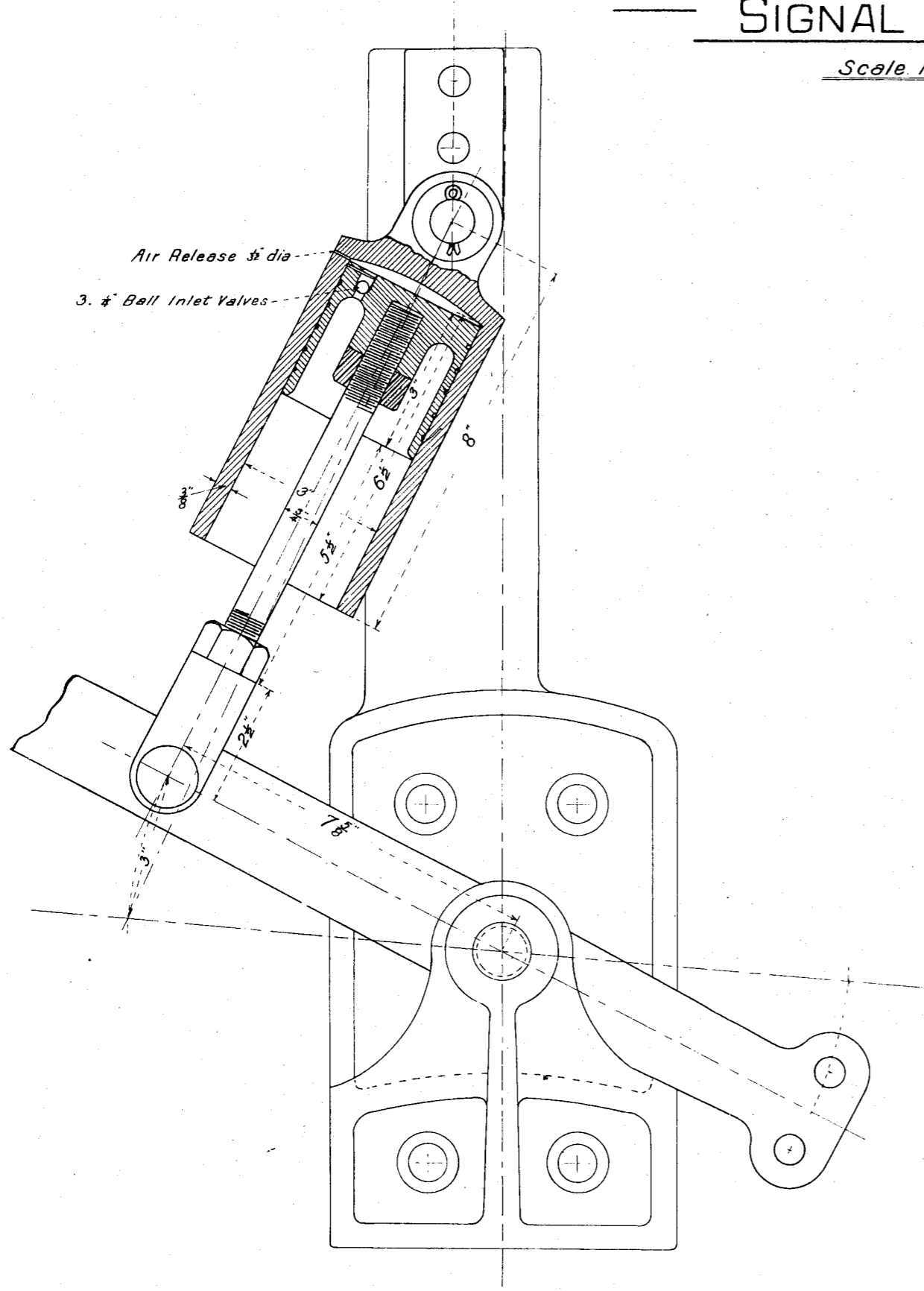
Side Elevation  
Half Full Size

— V.R. —  
— SIGNAL DASH-POT —

Scale. Half Full Size

*Handwritten signature and date:*  
19.7.12

CORD  
R 2992  
NEW SERIES  
DATE  
17.12.37



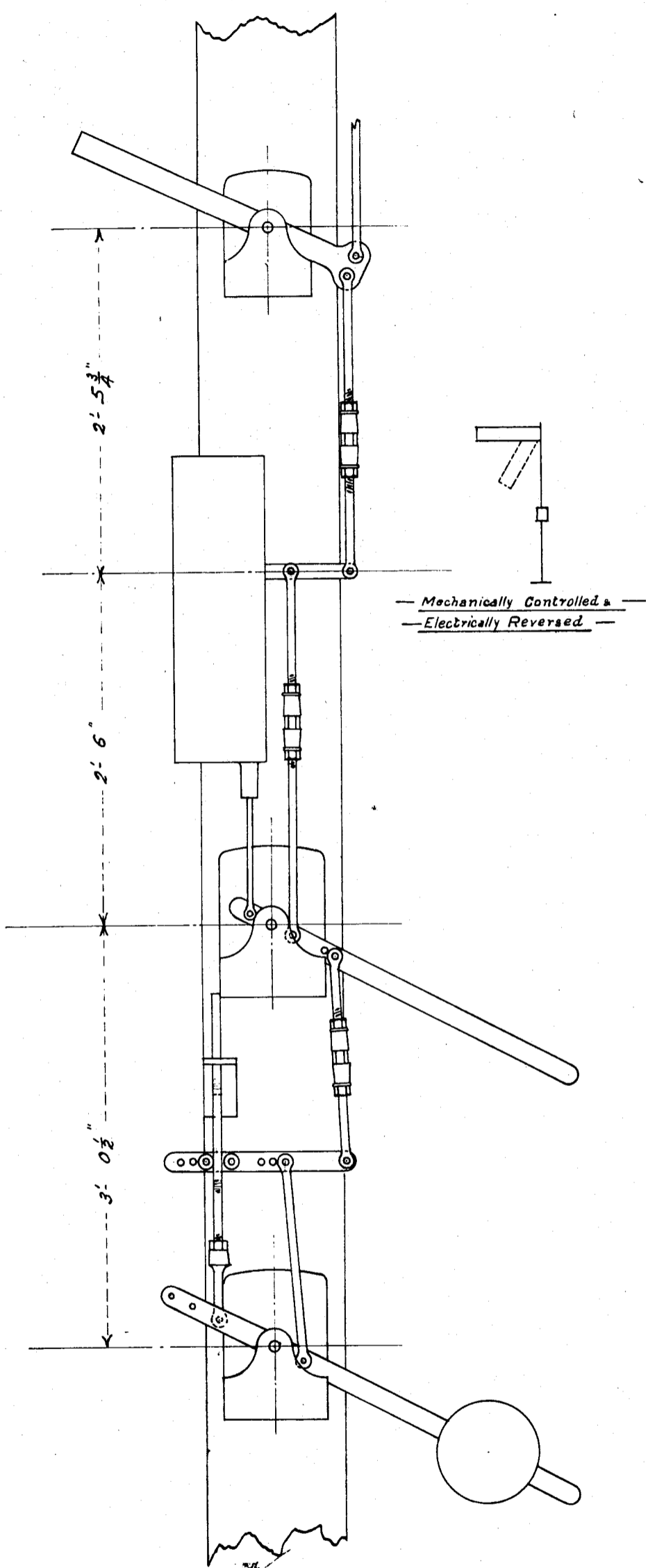
**H43**

M  
F



T 1 4  
 RECORD PLAN  
 R 3025  
 NEW SERIES  
 DATE 1/17/37  
 31-4

END



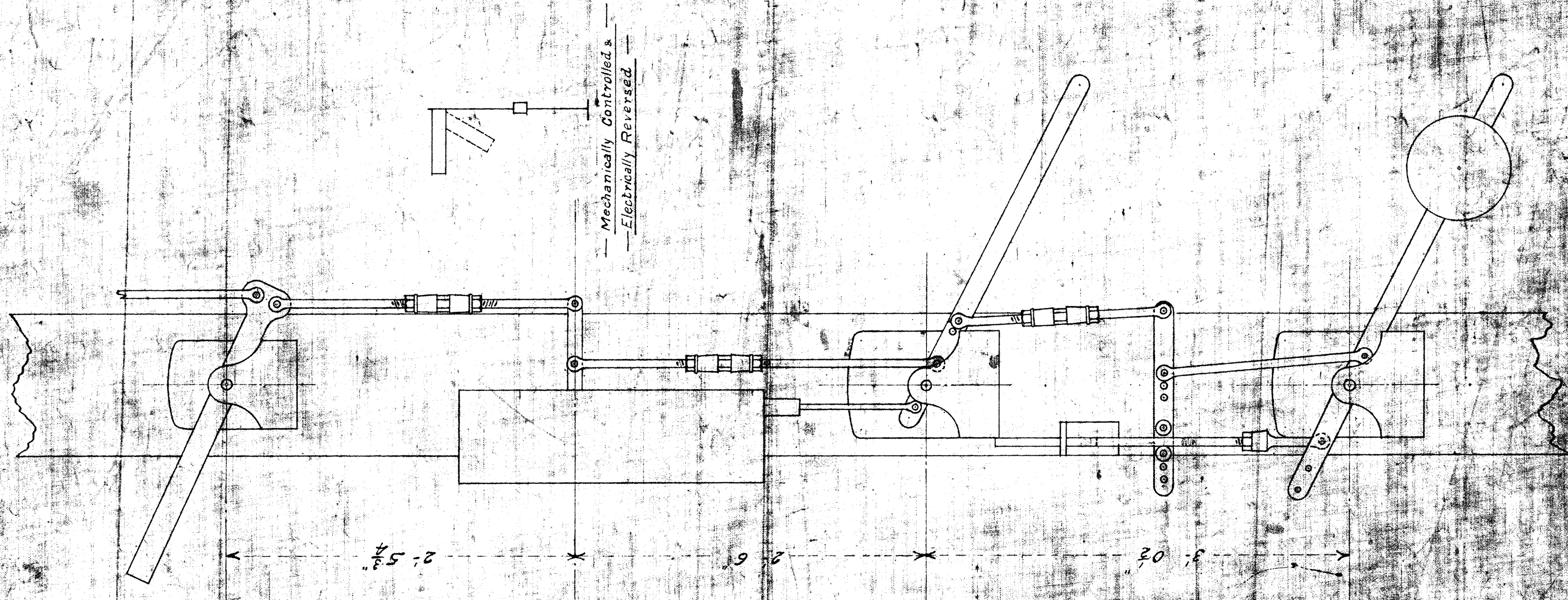
↑ 2" dimension 76 P 579

H103

— MECHANICAL SLOT CONTROLLER WITH —  
 — REID'S REVERSER —  
 — SCALE 1/2" = 1'-0" —

H103  
 172612

R 3025  
REV. 57

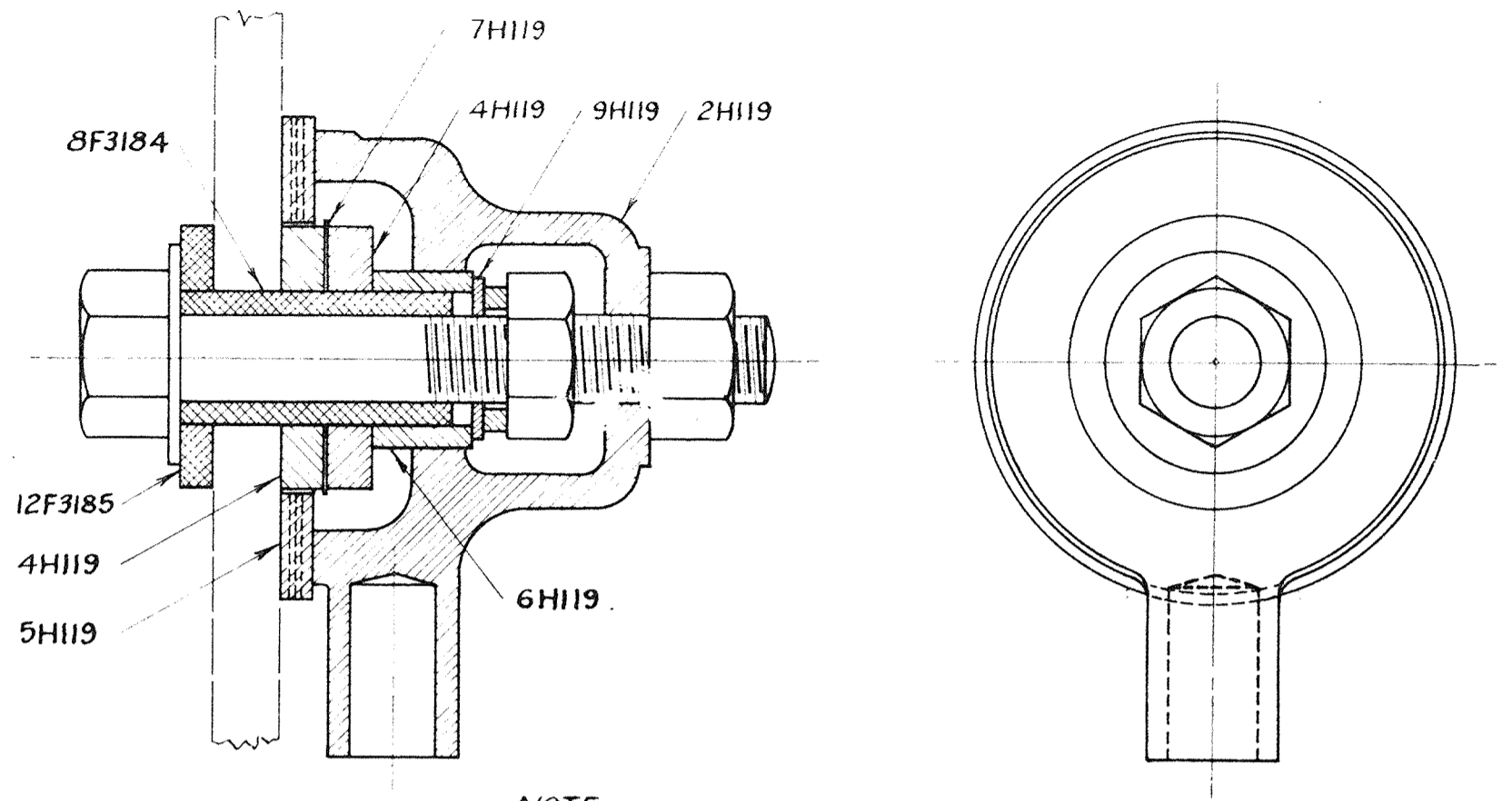


MECHANICAL SLOT CONTROLLER WITH  
REVERS REVERSE

SCALE 1/8" = 1"

H103

H103

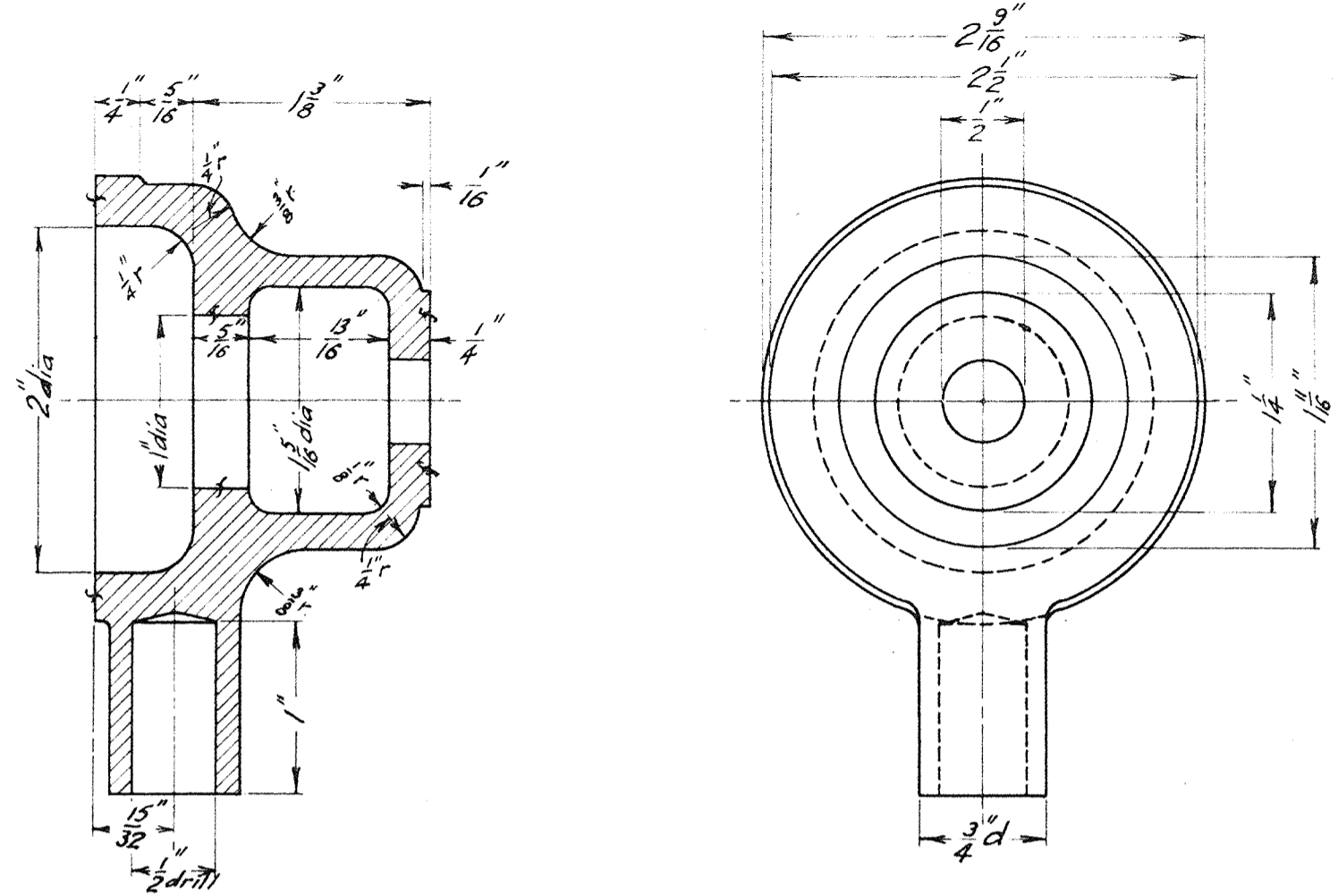


NOTE:  
Structure to be drilled  $\frac{3}{4}$ " dia  
and thoroughly cleaned for  
contact with washer 4H119.

SPARK GAP COMPLETE		IH119	
Nº	Name	Material	Quantity
2H119	Connector	Gun Metal	1
12F3185	Washer	Fibre	1
4H119	"	Copper	2
5H119	Insertion	Rubber	1
6H119	Ferrule	Gun Metal	1
7H119	Separator	Celluloid	1
8F3184	Bush	Fibre	1
9H119	Washer	M.S.	1
Stock	Spring washer, $\frac{1}{2}$ " dia	Sp. Steel	1
"	Machine bolt, $\frac{1}{2}$ " dia whit x $3\frac{1}{2}$ " long, screwed 2". Supply with 1 - standard nut & 1 - $\frac{3}{8}$ " thick	M.S.	1

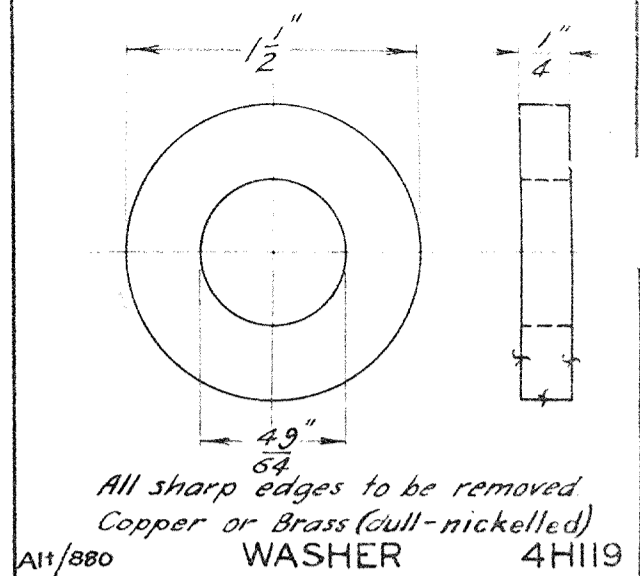
ASSEMBLY

IH119

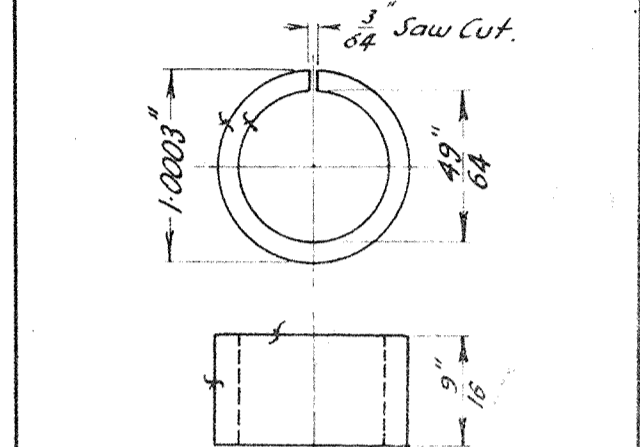


Gun Metal.  
CONNECTOR

2H119

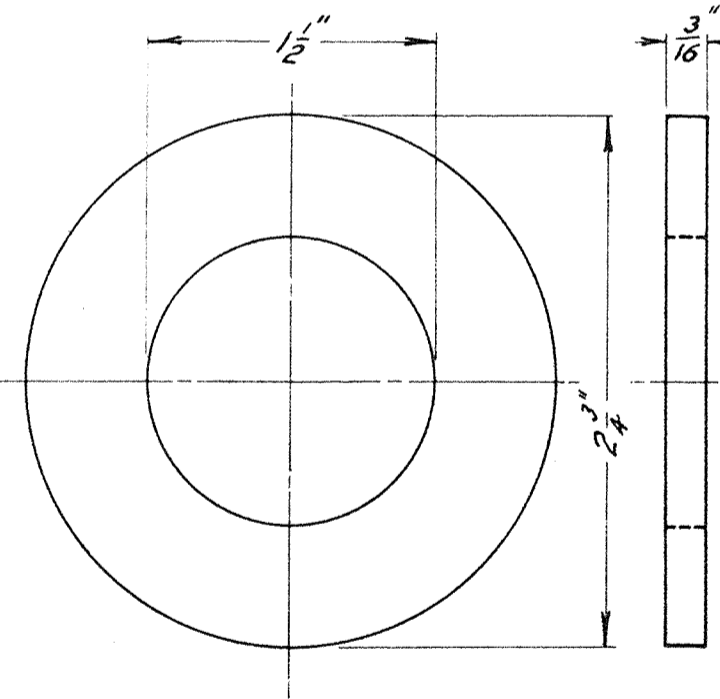


All sharp edges to be removed  
Copper or Brass (dull-nickelled)  
WASHER 4H119



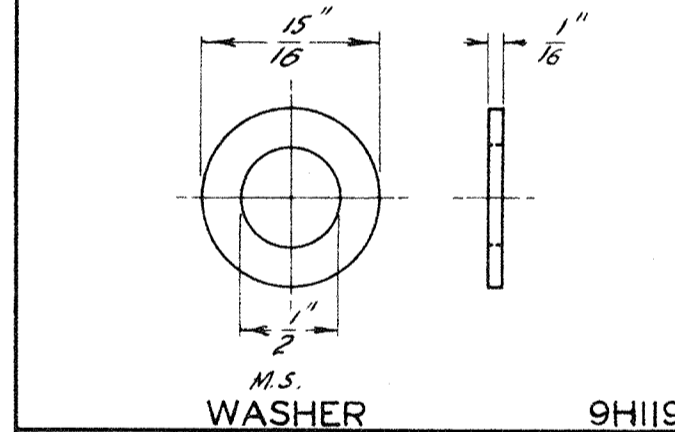
Gun Metal.  
FERRULE

6H119



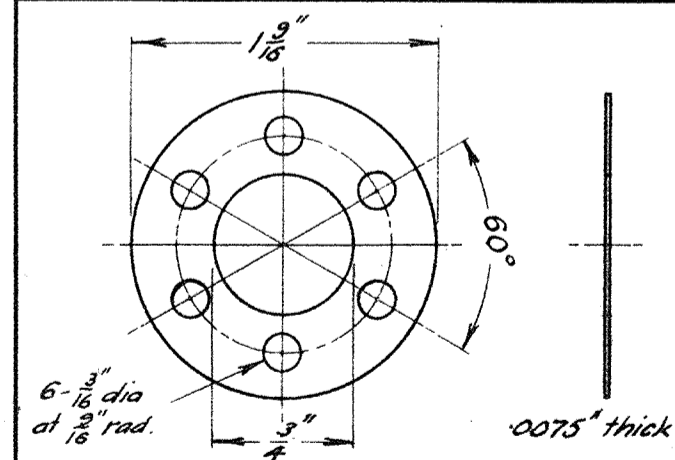
3 Ply Reinforced Rubber.  
INSERTION

5H119



M.S.  
WASHER

9H119



Celluloid.  
SEPARATOR

7H119

Redrawn  
Incl. Alt. 295 & 880  
Original Date  
14-11-19

VICTORIAN RAILWAYS  
SPARK GAP  
EARTHING DEVICE

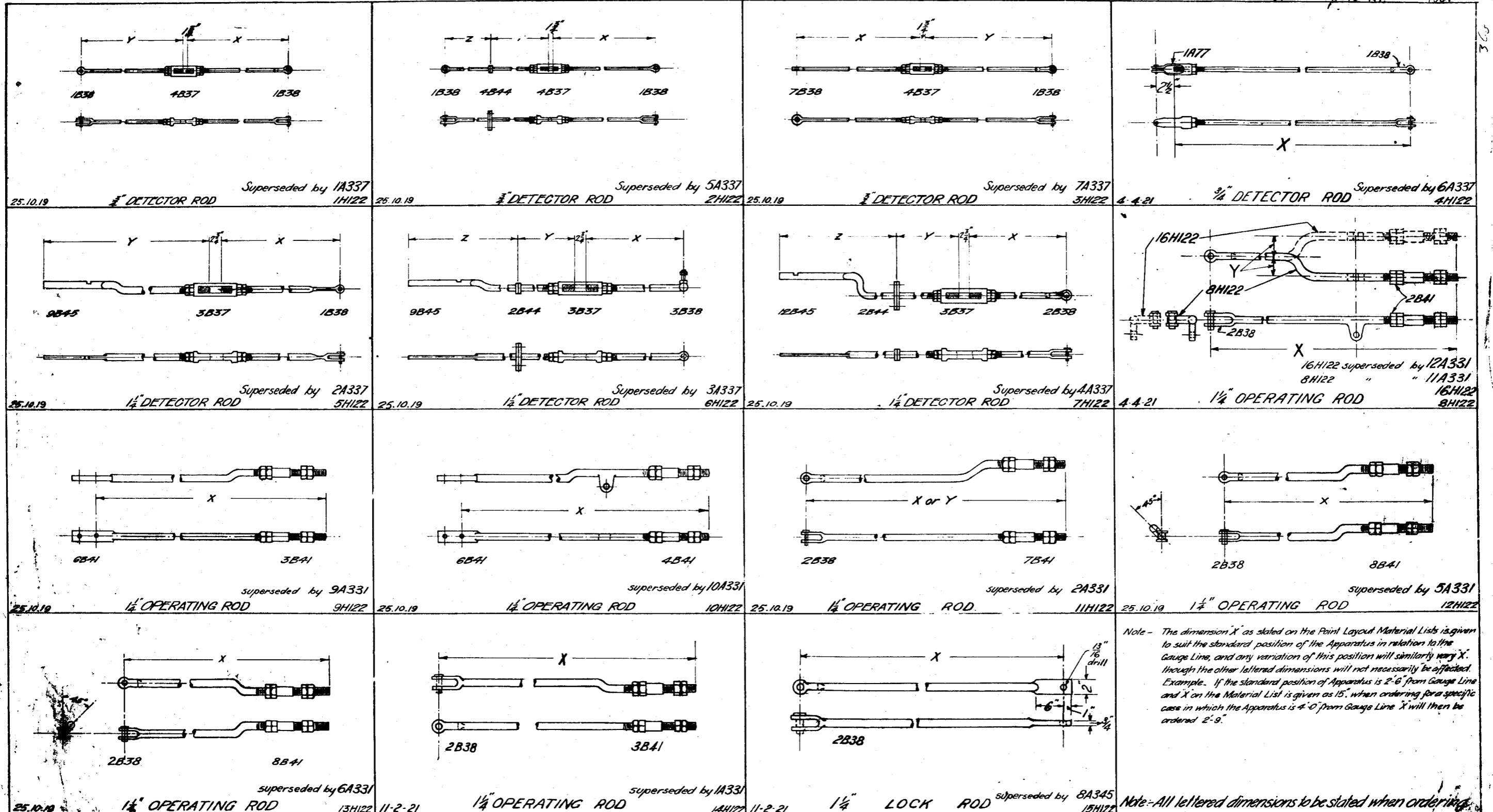
SIG & TEL  
ENGINEER  
DRAWN BY  
J.G.M.  
TRACED BY  
J.G.M.

H119

12-12-55

0636.  
J1-4.

R3036



← 2" margin bit 1/4"

365

Note - The dimension X as stated on the Point Layout Material Lists is given to suit the standard position of the Apparatus in relation to the Gauge Line, and any variation of this position will similarly vary X, though the other lettered dimensions will not necessarily be affected. Example - If the standard position of Apparatus is 2'-6" from Gauge Line and X on the Material List is given as 15", when ordering for a specific case in which the Apparatus is 4'-0" from Gauge Line X will then be ordered 2'-9".

Note: All lettered dimensions to be stated when ordering.

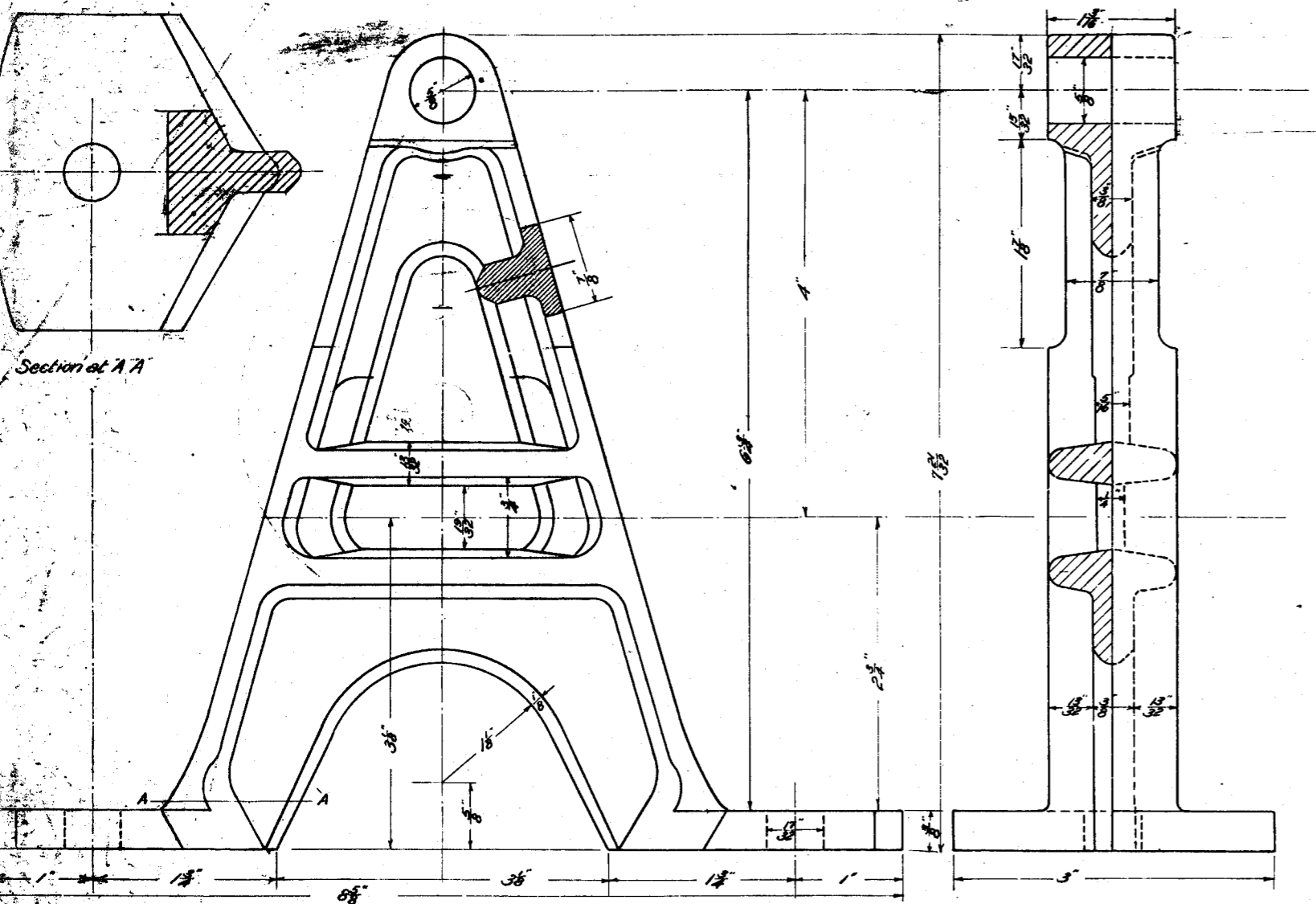
RECORD PLAN  
R 3037

2  
4-4-21 1  
11-2-21  
Parts 8H122, 16H122, & 4H122 Added.  
Parts N<sup>o</sup> 14H122 & 15H122 Added.  
F.G.C. P.M.K.  
R.G.C. P.M.K.

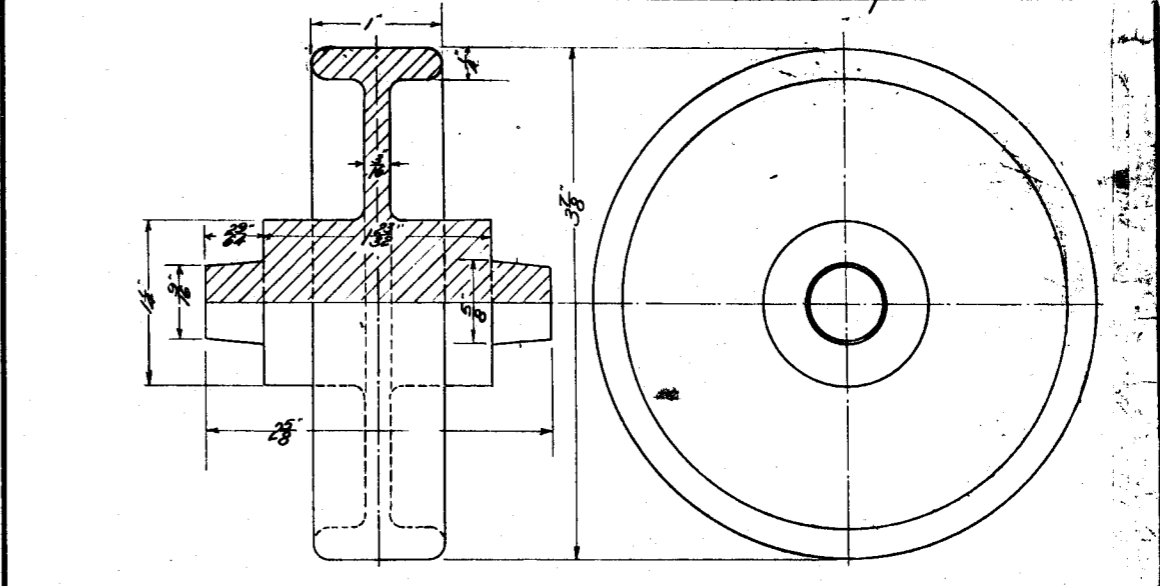
VICTORIAN RAILWAYS  
COMPOSITE RODS.  
See also  
Dwg. A327

Engineer of Signals  
Drawn by  
M.J.V.  
Checked by  
W.J.P.  
H122  
25.10.19  
2680-19

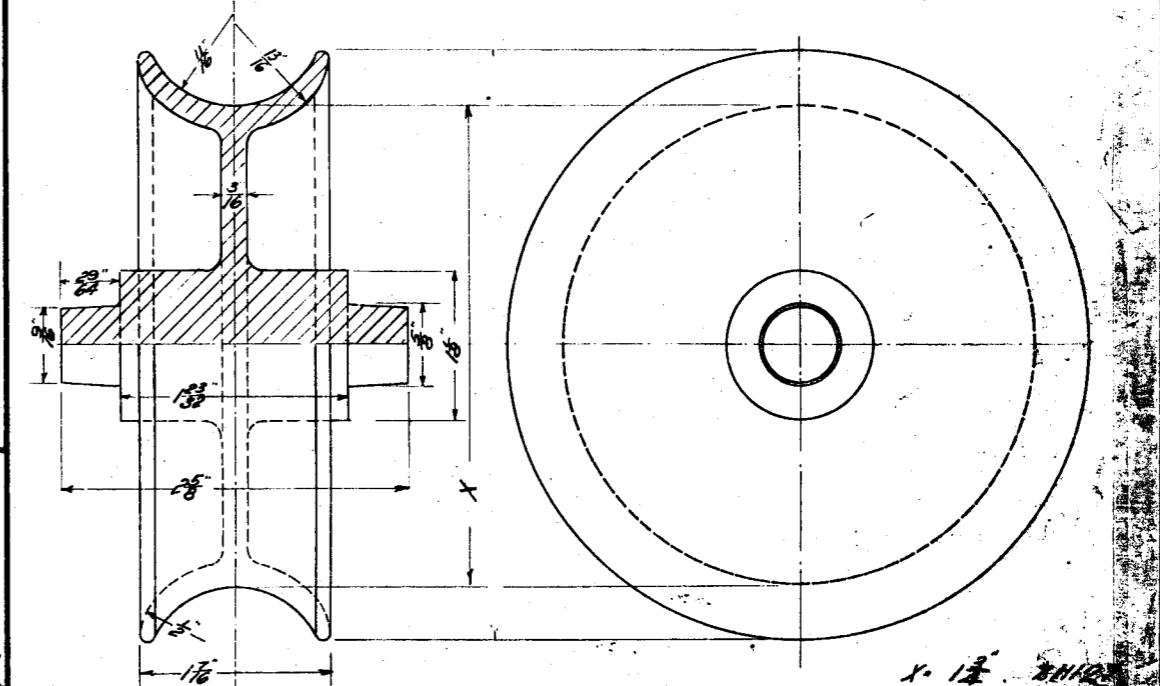
← 2" Margin 11-19 10234



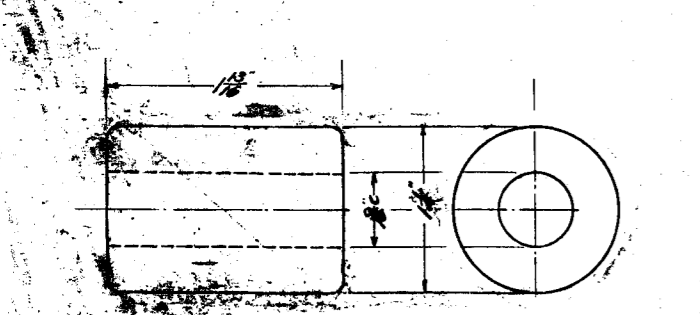
13-11-19 Side Frame (Cast Iron) 1H127



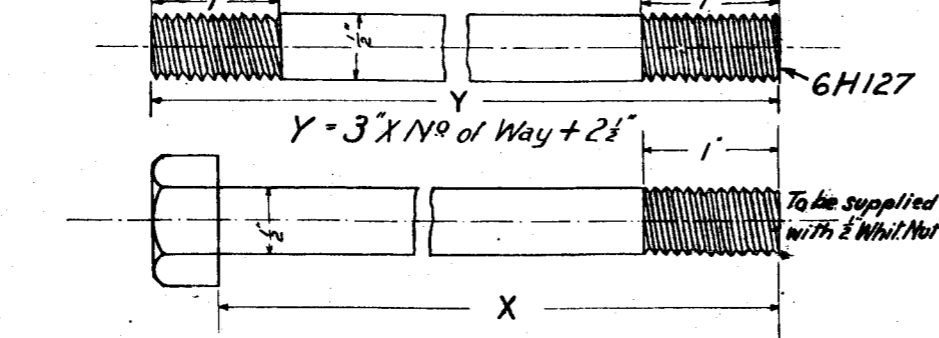
13-11-19 Channel Roller (Cast Iron) 2H127



13-11-19 Pipe Roller (Cast Iron) X = 1 1/2" 2H127 X = 3 1/2" 3H127

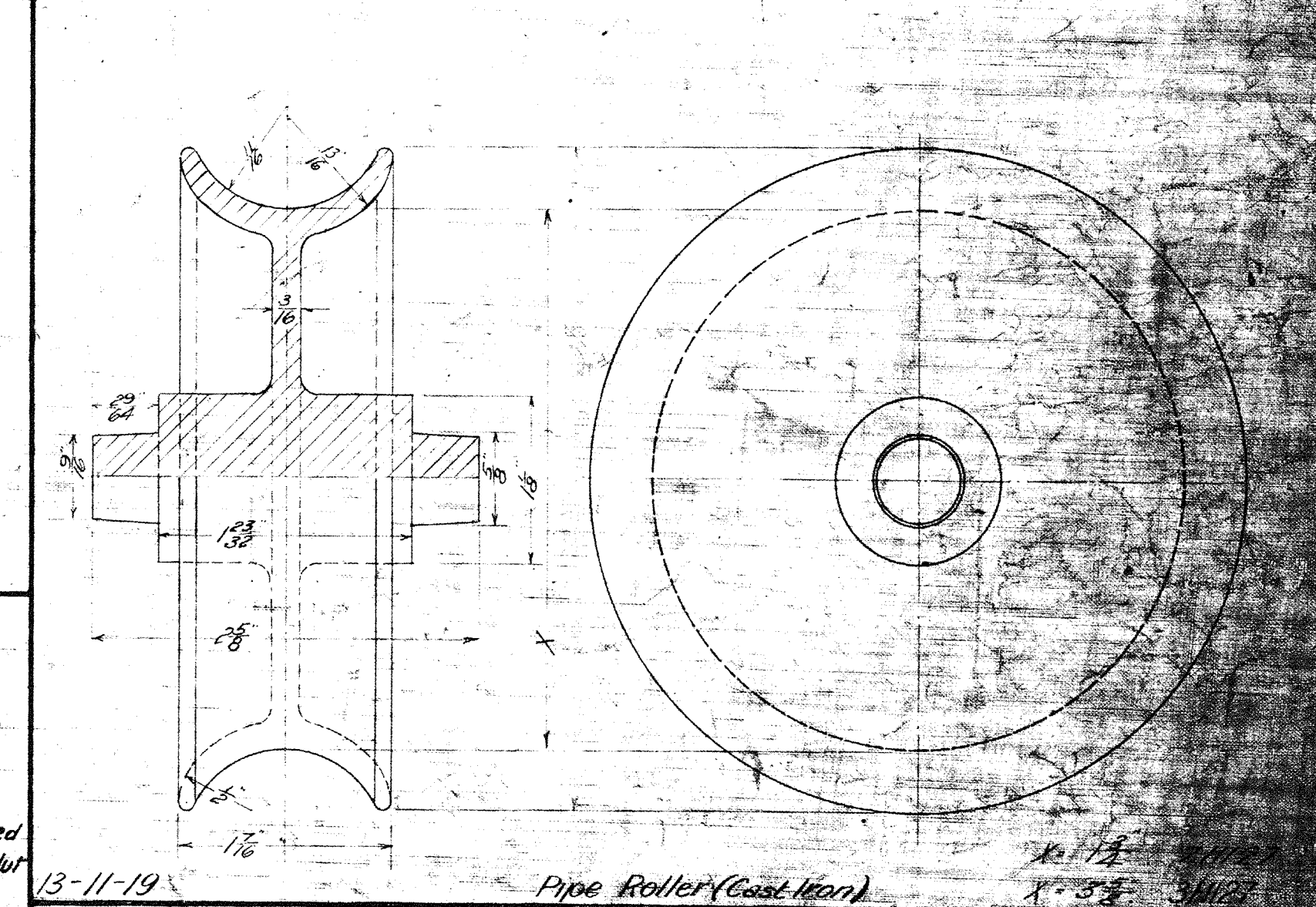
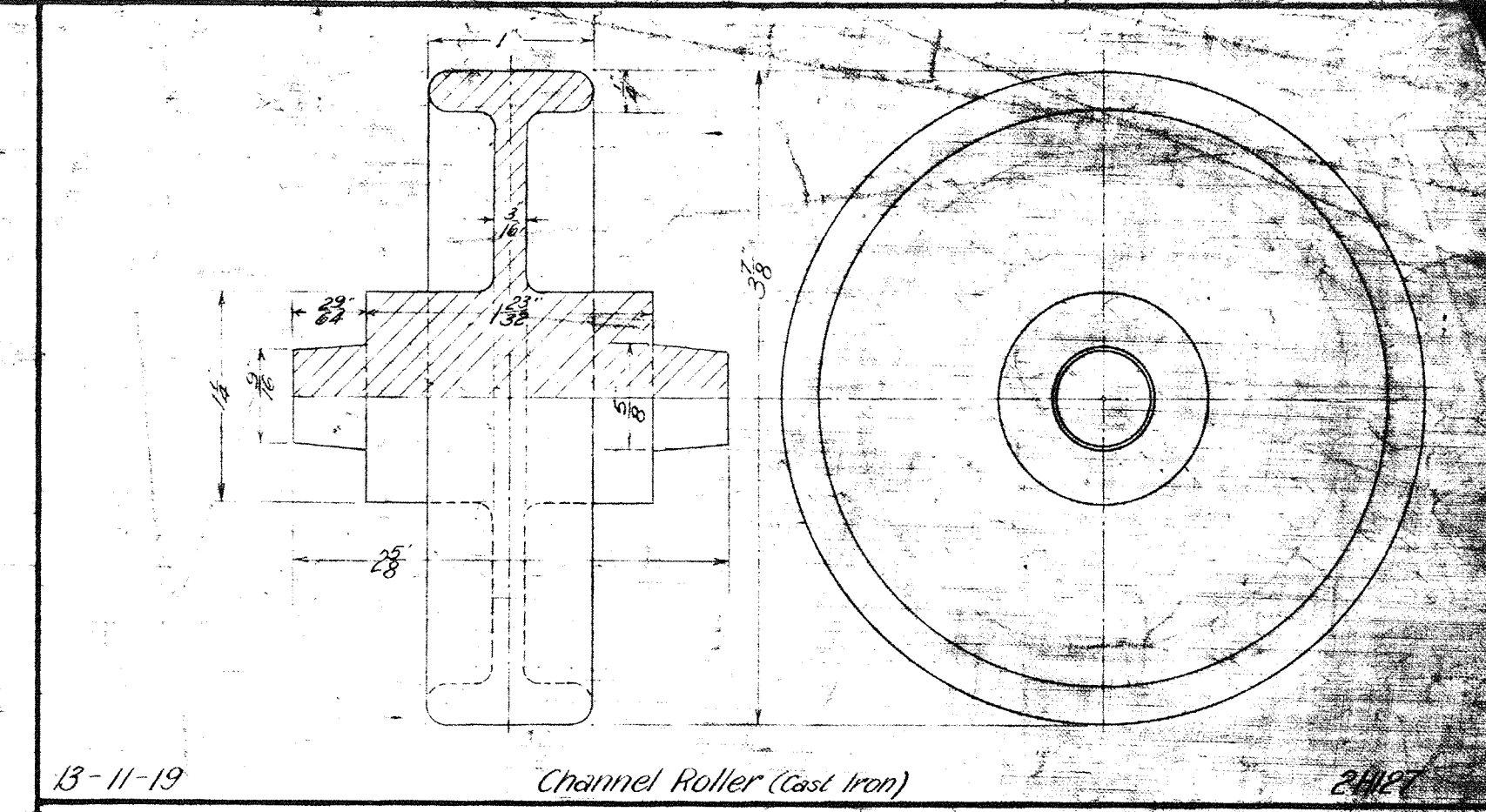
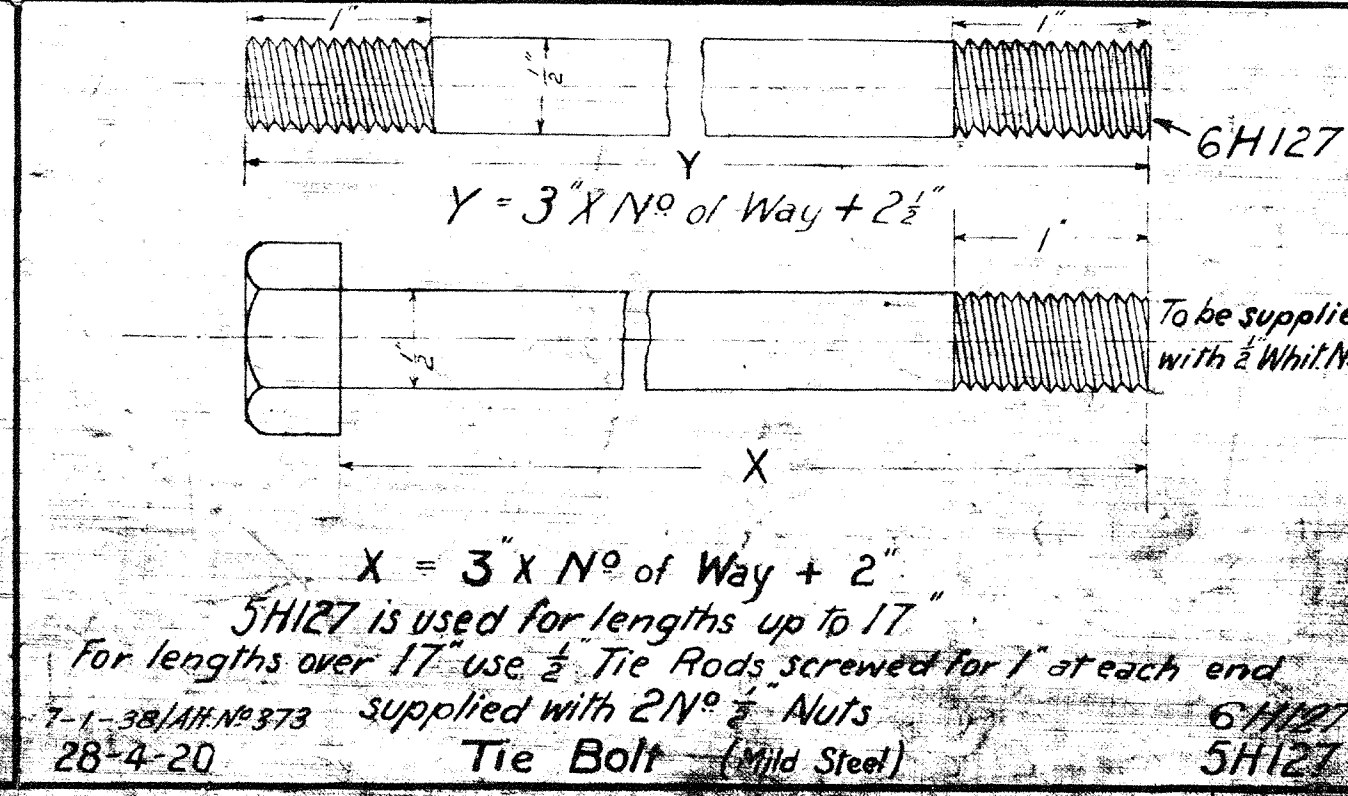
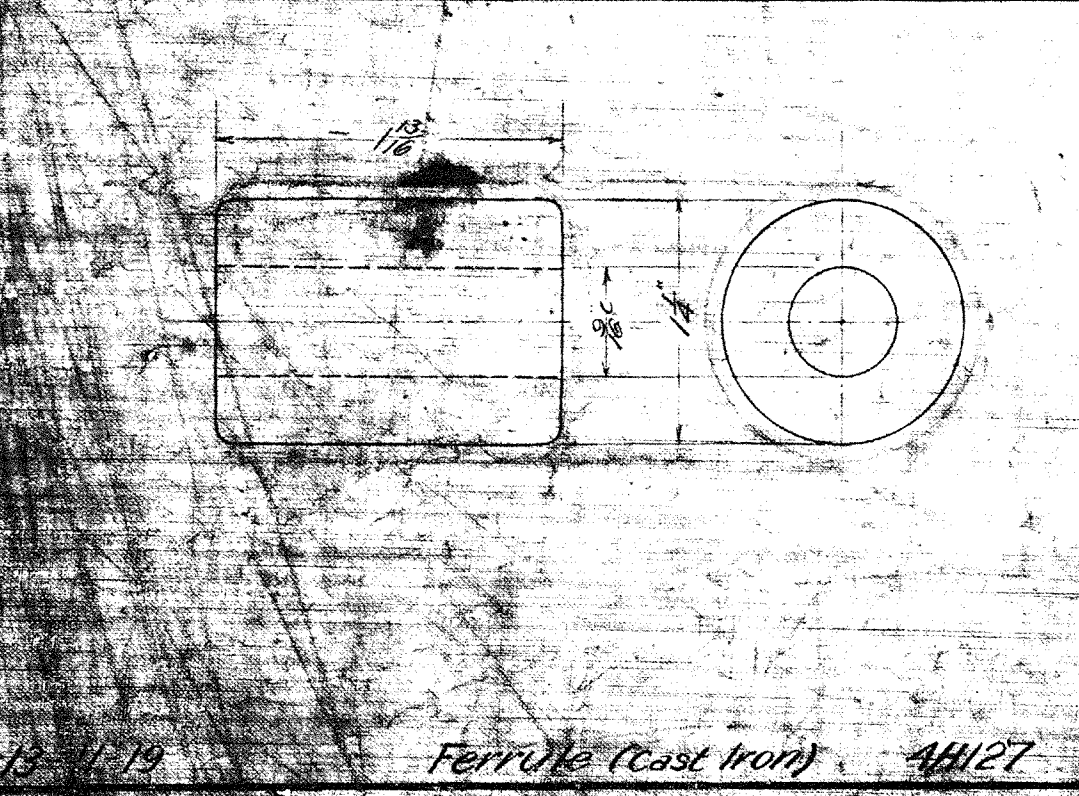
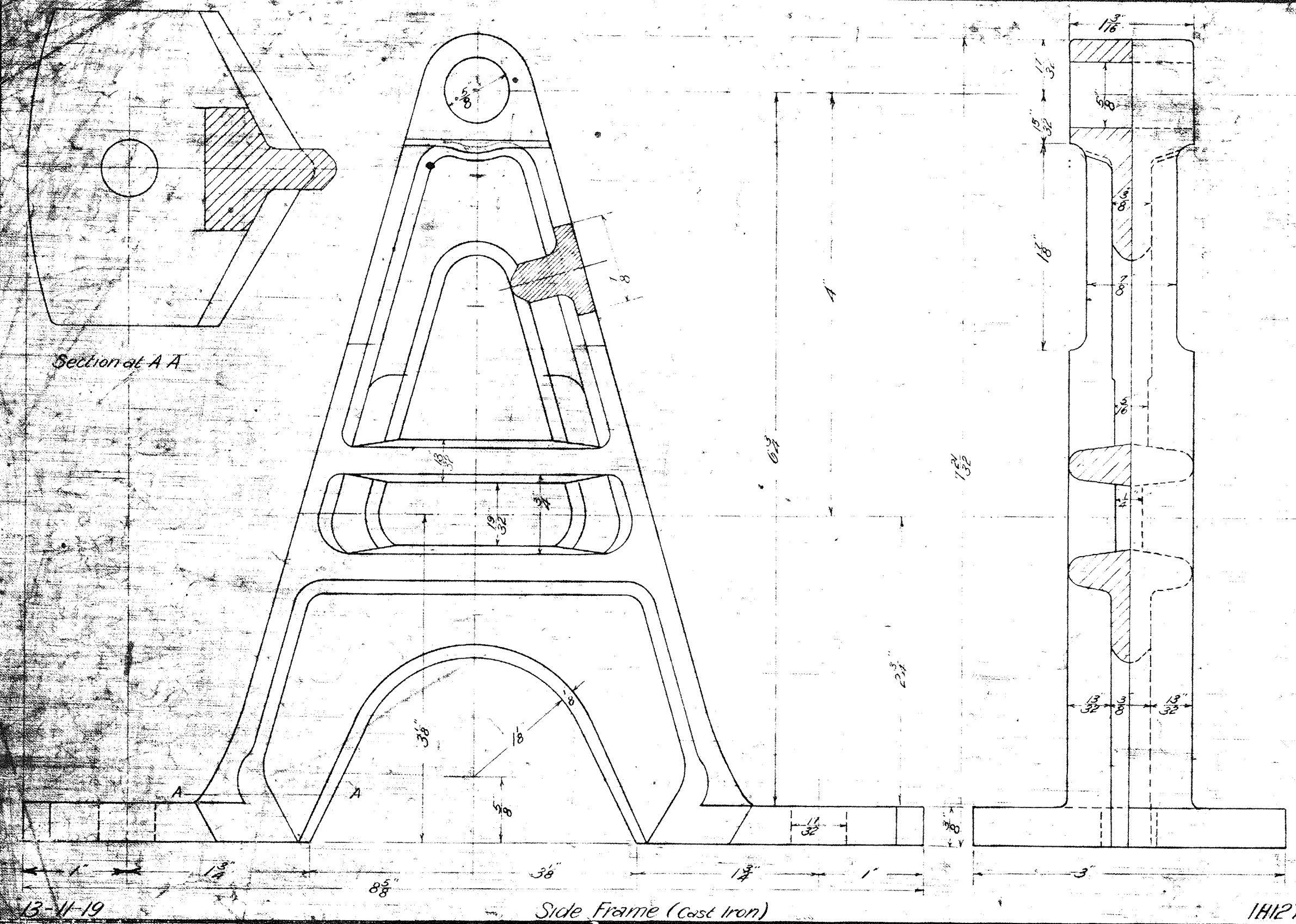


11-19 Ferrule (Cast Iron) 4H127



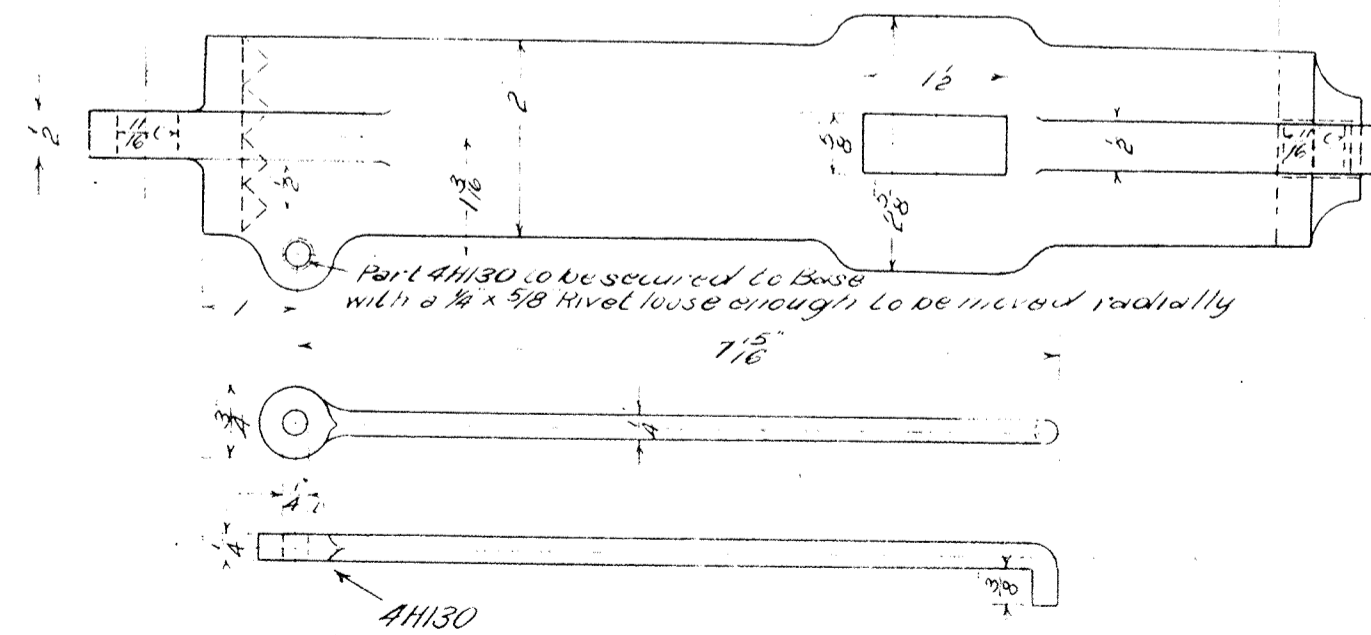
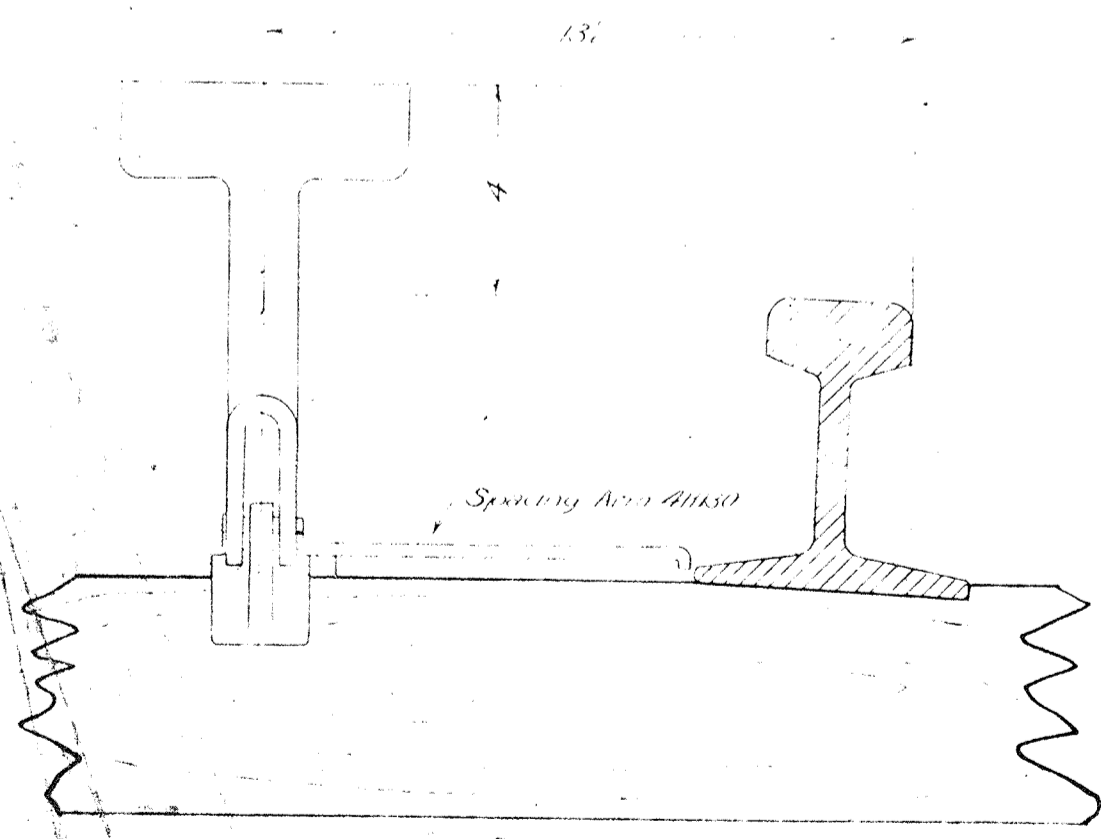
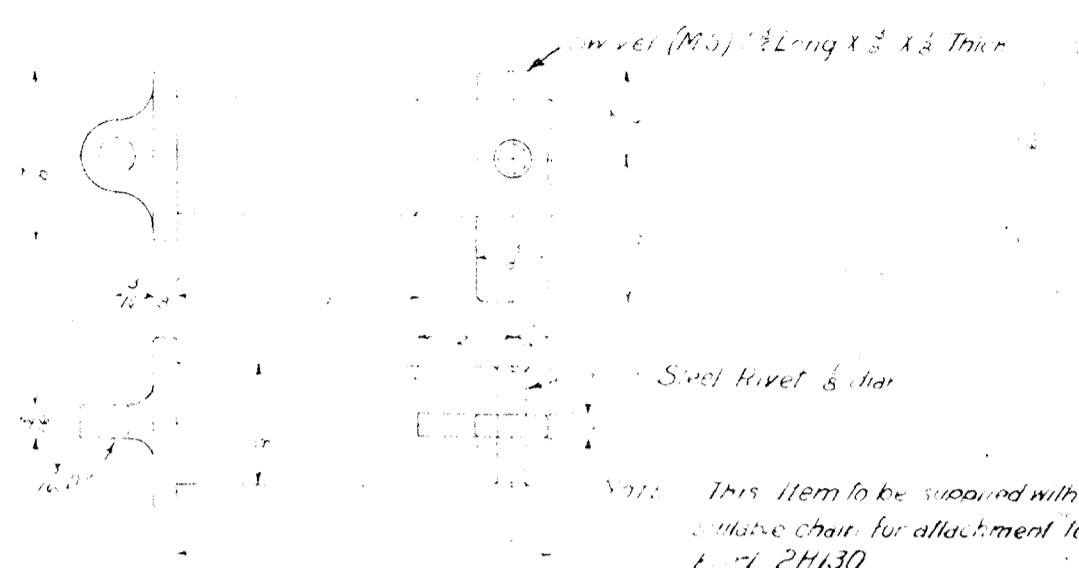
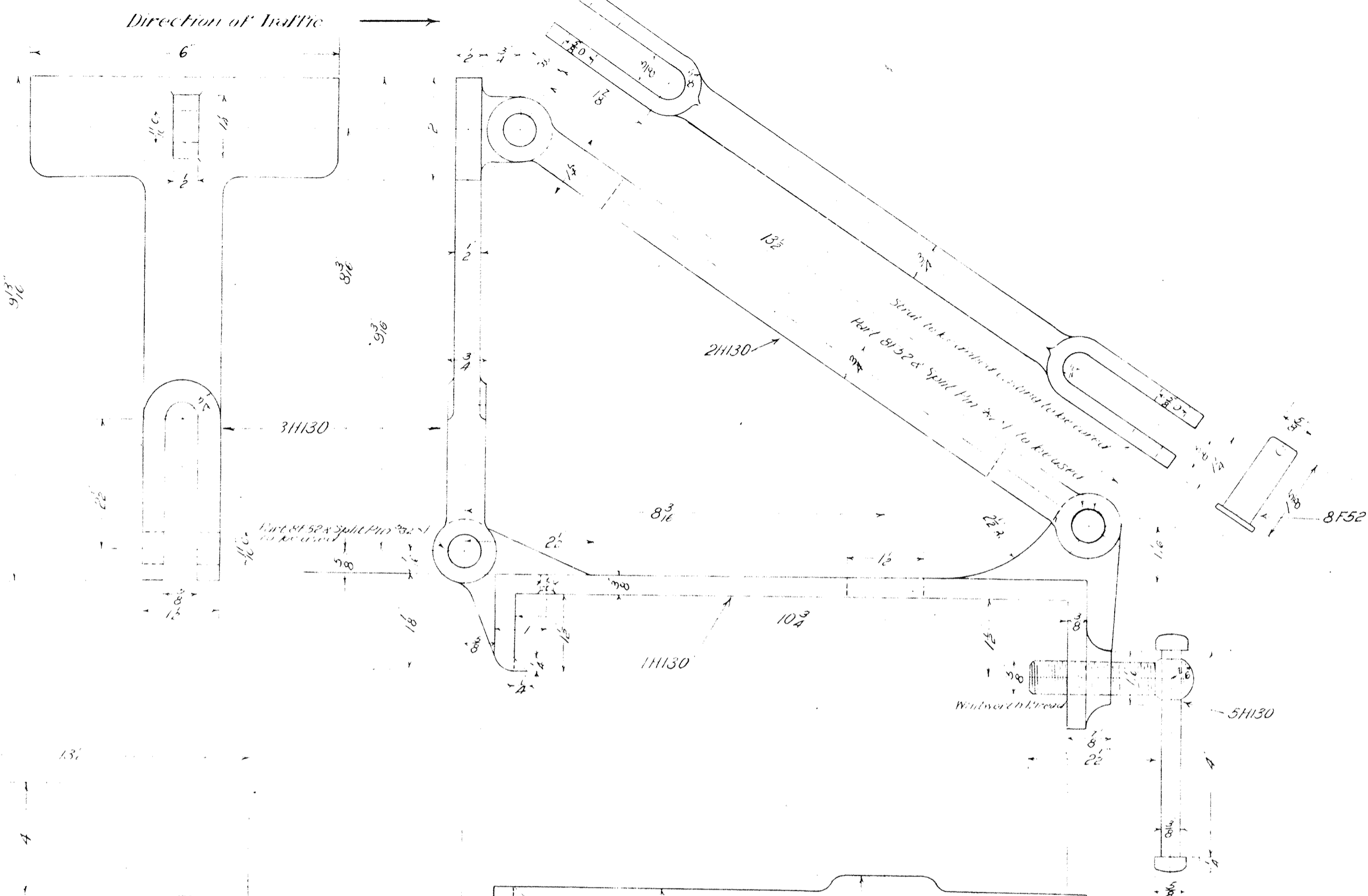
Y = 3" X N<sup>o</sup> of Way + 2 1/2"  
 X = 3" X N<sup>o</sup> of Way + 2"  
 5H127 is used for lengths up to 17"  
 For lengths over 17" use 1/2" Tie Rods screwed for 1" at each end  
 7-1-38/AH N<sup>o</sup> 373 supplied with 2 N<sup>o</sup> 1/2" Nuts  
 28-4-20 Tie Bolt (Mild Steel)  
 6H127  
 5H127

VICTORIAN RAILWAYS  
 ANTI-FRICTION  
 PIPE & CHANNEL  
 CARRIER  
 Scale Full Size  
 13-11-19  
 H 127



VICTORIAN RAILWAYS  
 ANTI-FRICTION  
 PIPE & CHANNEL  
 CARRIER





Emergency Train Stop Complete 7H130

Material List			
Part No	Name	Material	Quantity
1H130	Base	Cast Steel	1
2H130	Strut	Mild Steel	1
3H130	Arm	Cast Steel	1
4H130	Spacing Arm	Mild Steel	1
8F52	Pin	Mild Steel	2
5H130	Hanger Bar & Screw	Mild Steel	1
Stock	Split Pins 7/32 x 1 Long	Mild Steel	20
6H130	Swivel Pin	Mild Steel	1

3043  
12 37

7H130  
In Service  
14-5-20

VICTORIAN RAILWAYS  
EMERGENCY  
TRAIN STOP

Engineer: [Signature]  
Designer: [Signature]  
Traced by: [Signature]

H 130

Scale - 1/2 Full Size  
27-11-19

NOMENCLATURE INDEX		GROUP NO. 1 (3 Groups)	
NOTE: If the nomenclature under any heading is not required indicate by letter "O" * Use only within track circuit areas.			
Ref.*	Description of Points.	1 <sup>st</sup>	Ref. Nature of Layout 3 <sup>rd</sup>
A.	1. Facing Points - carrying medium or high speed movements		P. Single Pair.
B.	2. Trailing " " " " " over set stock rail		S. " Compound.
C.	3. Any " " fouling or parallel movements in a facing direction.		D. Double " operated by /rod
D.	4. Any Derail Appliance that provides fouling protection.		R. Derail Switch.
E.	5. Trailing Points - carrying emergency movements.		H. " - Hayes.
F.	6. " " " " movements not covered elsewhere.		F. Movable Point Frog.
			M. Modified Three Throw
			B. Double Compound by 2 rods
Ref.	Class of Layout	2 <sup>nd</sup>	Ref. Weight of Rail 4 <sup>th</sup>
X.	Toe of Blade on centre line of chair		A. 60, 66 or 78 lb.
Y.	" " projecting 7" beyond centre line of chair		B. 80, 86 " 95 "
			C. 100 or 115 lb.

NOMENCLATURE INDEX		GROUP NO. 2 (3 Groups)	
NOTE: If the nomenclature under any heading is not required indicate by letter "O"			
Ref.	Points Operated by	5 <sup>th</sup>	Ref. Lock Detected by 7 <sup>th</sup>
A.	Direct Rod		A. Hudd & Wion Box
B.	Switch & Lock Movement Type "A"		B. Point Contact Box
C.	Power-Electric-USS: C° Style "M" (Controller Type "F")		
D.	" " GRS C° Model No 5 (A.C.)		
E.	" " " " " - 4 (D.C.)		
F.	" " M° K. & H. Style "C" (A.C.)		
G.	" " Westinghouse Style "M" (A.C.)		
H.	" " GRS C° Model No 5 (D.C.) Low Voltage		
J.	Westinghouse Double-wire Point Mechanism		
Ref.	Blades Locked by	6 <sup>th</sup>	Ref. Blades Detected by 8 <sup>th</sup>
A.	Independent Plunger		A. Hudd & Wion Box
B.	Annett Key		B. Point Contact Box
C.	Staff		C. Single Slide Detector
D.	Electric Lock		D. Slide Detector - State number of ways required
			E. Point Contact Box & Single Slide Detector Combined
			F. Matchet Detector - State Number required

NOMENCLATURE INDEX		GROUP NO. 3 (3 Groups)	
NOTE: If the nomenclature under any heading is not required indicate by letter "O" The Blade No. & the Location of Apparatus are determined by viewing all points from the rear of the toe & facing the heel of the blade. Number from left to right.			
Blades Detected or Locked 9 <sup>th</sup> & 10 <sup>th</sup>		Location 11 <sup>th</sup> & 12 <sup>th</sup>	
Single Compound - L.H. Turnout Blades Nos 1 & 3.		Electrical Apparatus 11 <sup>th</sup>	
" " " " R.H. " " " 2 & 4.		Mechanical Apparatus 12 <sup>th</sup>	
Derail Switch or Appliance on L.H. rail - No 1 on R.H. rail - No 2.		Ref.	Located
Electrically 9 <sup>th</sup>		Mechanically 10 <sup>th</sup>	
Ref.	Blade No.	Ref.	Blade No.
A.	1	J.	2 & 4
B.	2	K.	3 & 4
C.	3	C.	3
D.	4	L.	1, 2 & 3.
		M.	1, 2 & 4.
E.	1 & 2	N.	1, 3 & 4.
F.	1 & 3	P.	2, 3 & 4.
G.	1 & 4	G.	1 & 4
H.	2 & 3	R.	1, 2, 3 & 4
		L.	Left Hand
		R.	Right "
		B.	Both Left & Right Hand

Sample of information to be supplied to the Supervisor ordering the material.

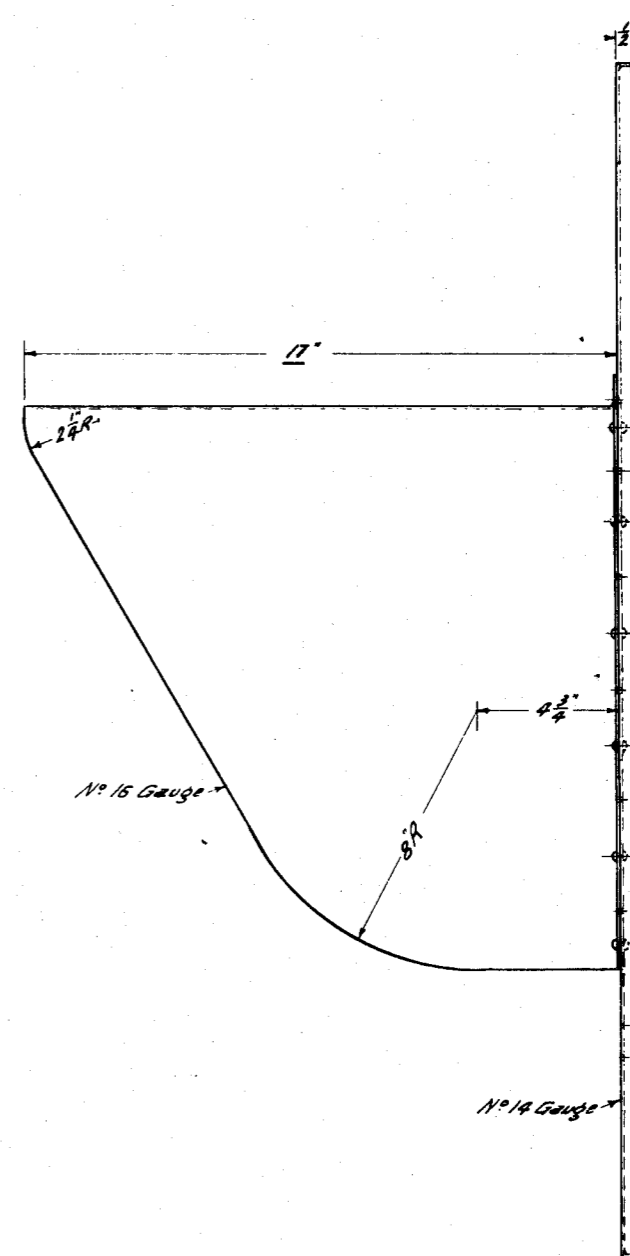
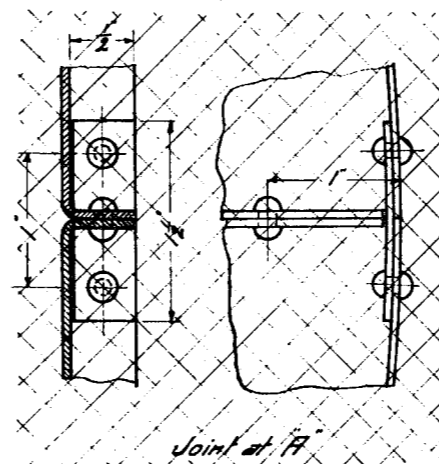
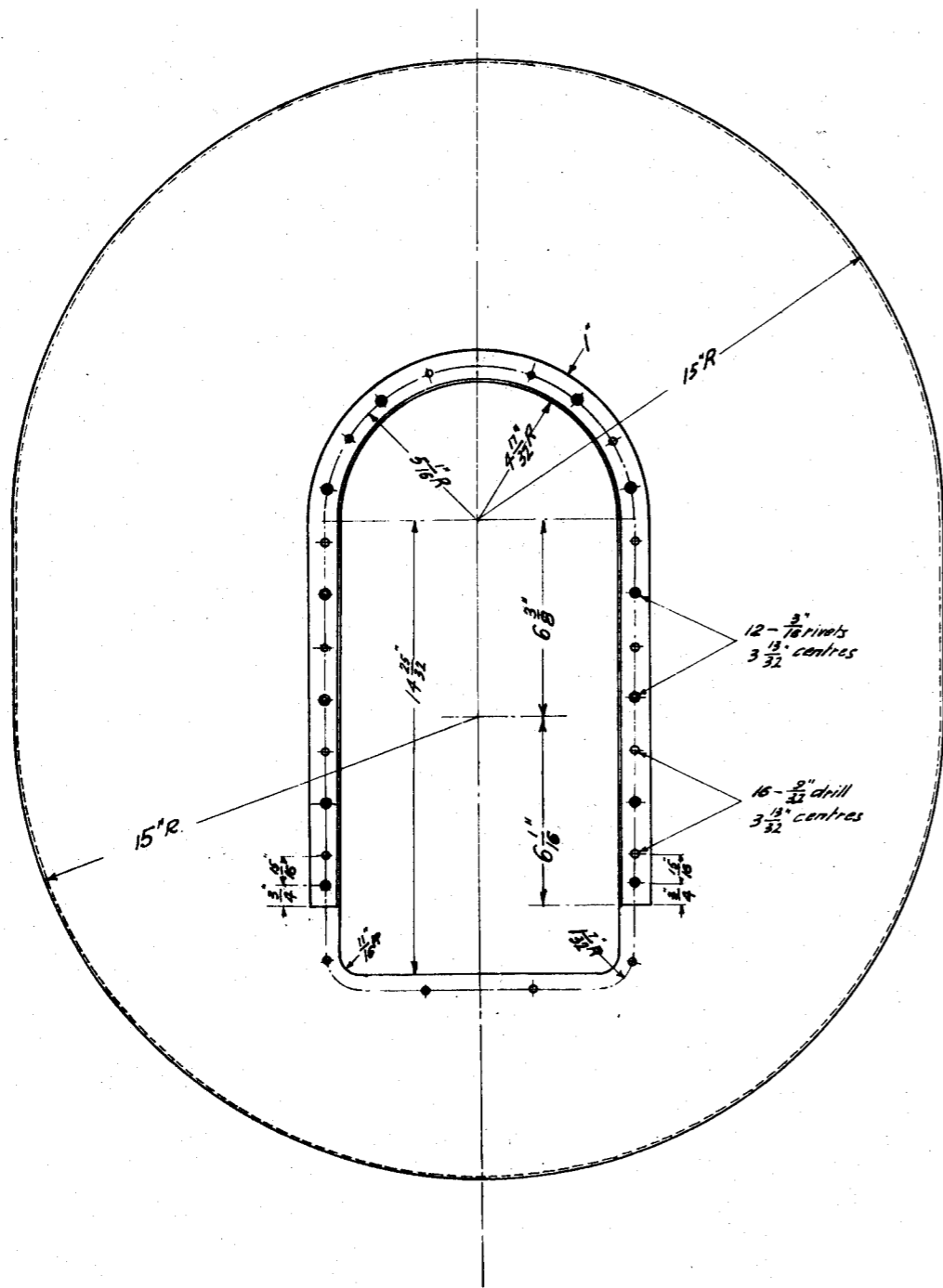
POINT LAYOUTS & DETECTION APPARATUS		*List No.						
INTERLOCKING AT :-								
POINTS NO.	Typical Dwg. No.							
Description of Points	Operated by	Blade Detected or Locked No. Electrical / Mechanical						
Class of Layout	Locked by							
Nature of Layout	Lock Detected by	Appt. Located						
Weight of Rail	Blades " "	to Gauge Line						
LIST OF MATERIAL								
Name of Unit	Unit No.	No. Off.	Remarks	Name of Unit	Unit No.	No. Off.	Remarks	
			length required					
NOTE: - Works Manager to be advised as to details of delivery etc.							Checked by	Date
EXPLANATORY: - The above list to be attached to a covering memo to the Supervisor who will require 3 copies								
*List Nos. to be continuous throughout. Where 2 or more points are identical they may be grouped.								
This information to be written in long hand, "Class of Layout" excepted.								
Where points are grouped the No. off. must be listed to suit.								

RECORDED  
R 3044  
1 12 37

VICTORIAN RAILWAYS  
**POINT LAYOUT & DETECTION**  
NOMENCLATURE INDEX AND  
METHOD OF ORDERING

Engineer's Signals.	Drawn by J. A. M.	Traced by W. H. D.
---------------------	----------------------	-----------------------

H131



RECORD PLAN  
R 3050  
NEWCASTLE  
1 18 37

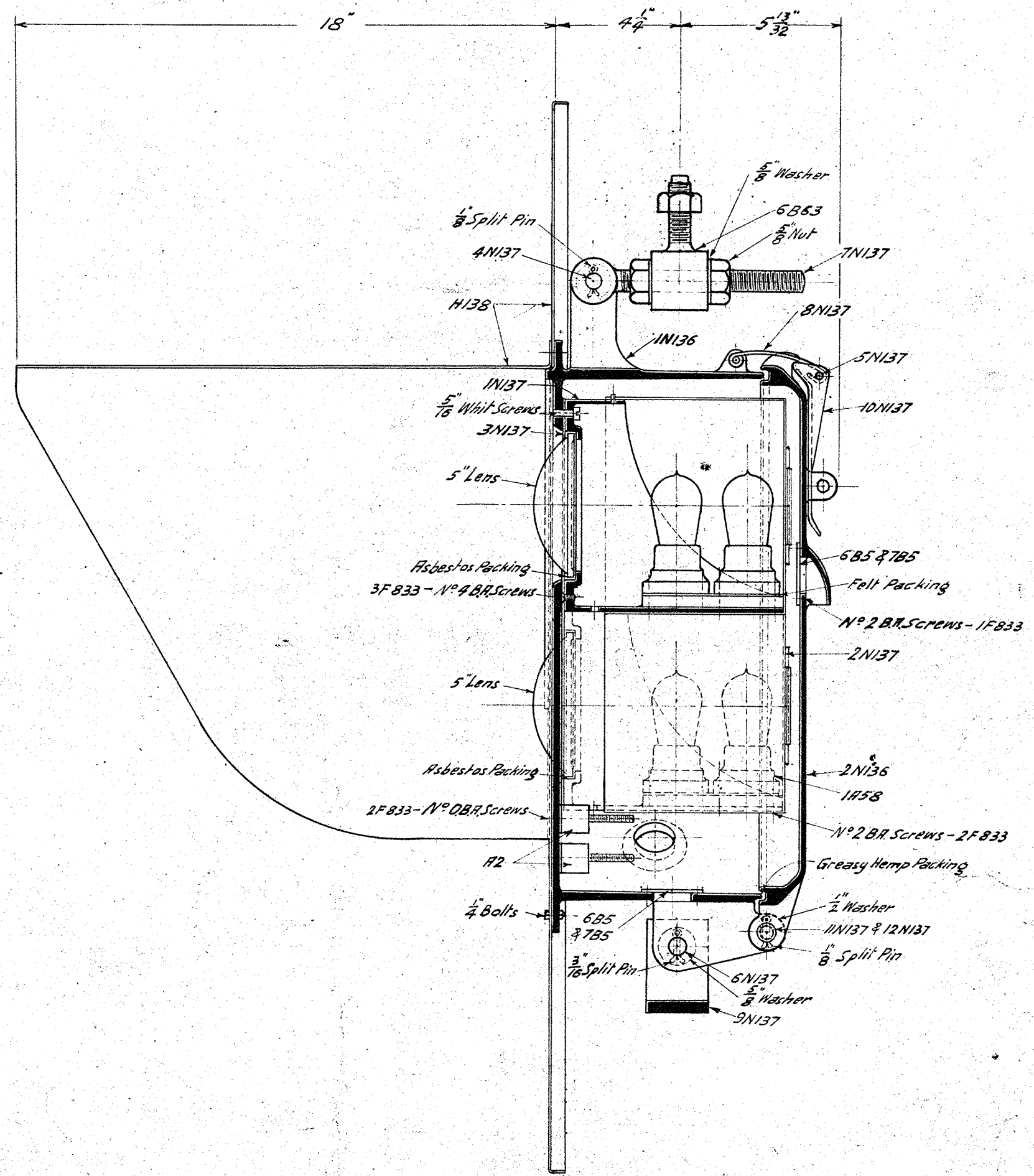
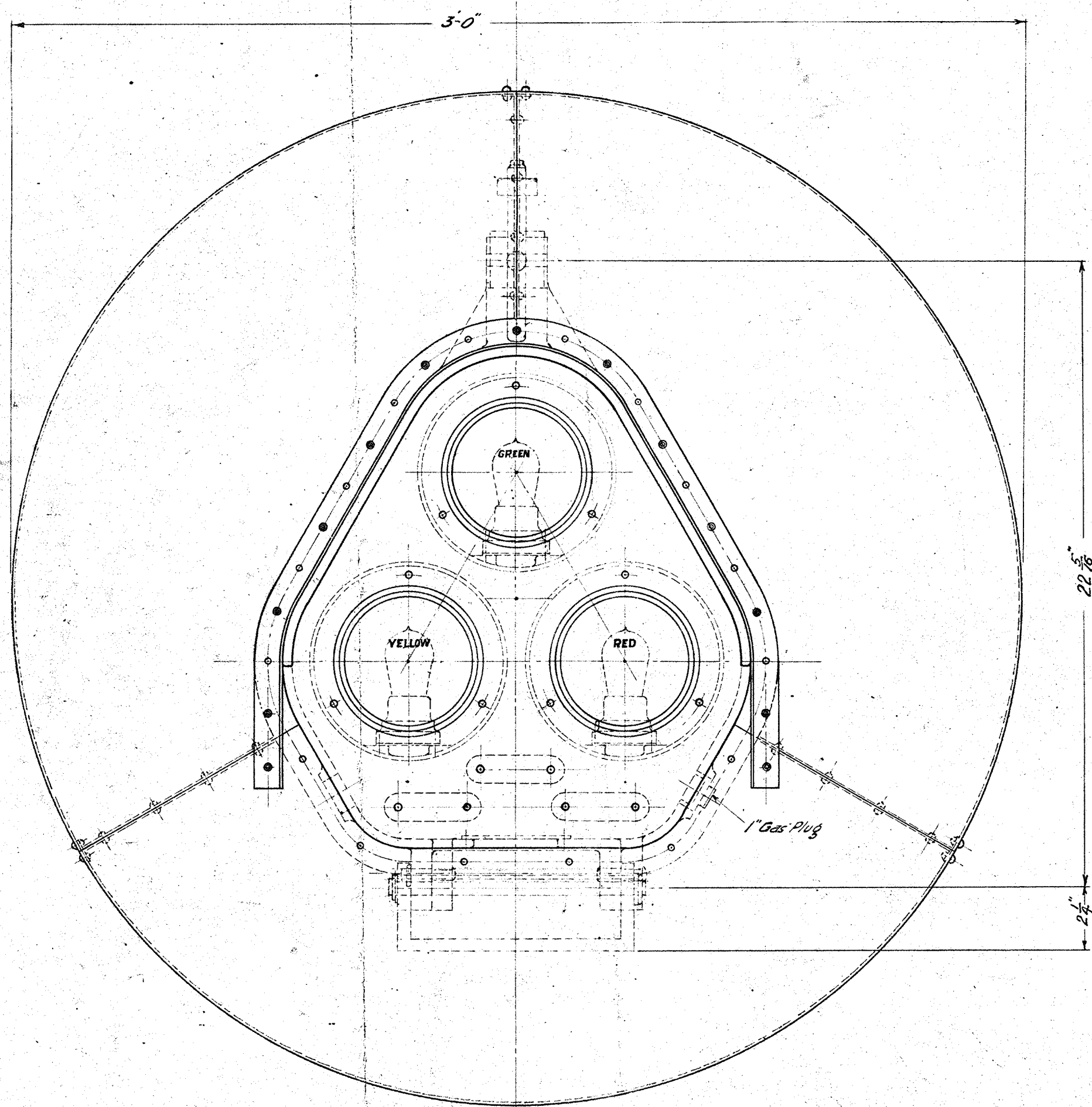
J. 4

19-1-24 Alteration No 67	8-11-22 Alteration No 35	3-8-22 Alteration No 28	25-4-22 Alteration No 24

VICTORIAN RAILWAYS  
LIGHT SIGNAL  
2 POSITION-5" LENS-VERTICAL TYPE  
HOOD & BACKGROUND

22 Aug 30  
Engineer of Signals  
Drawn by  
Checked by  
H.M.

17-5-20



Reference  
For Material List see  
Drawing F1023.

**VICTORIAN RAILWAYS  
LIGHT SIGNAL  
TRIANGULAR TYPE-5" LENS  
ASSEMBLY**

Scale: 3"=1 foot

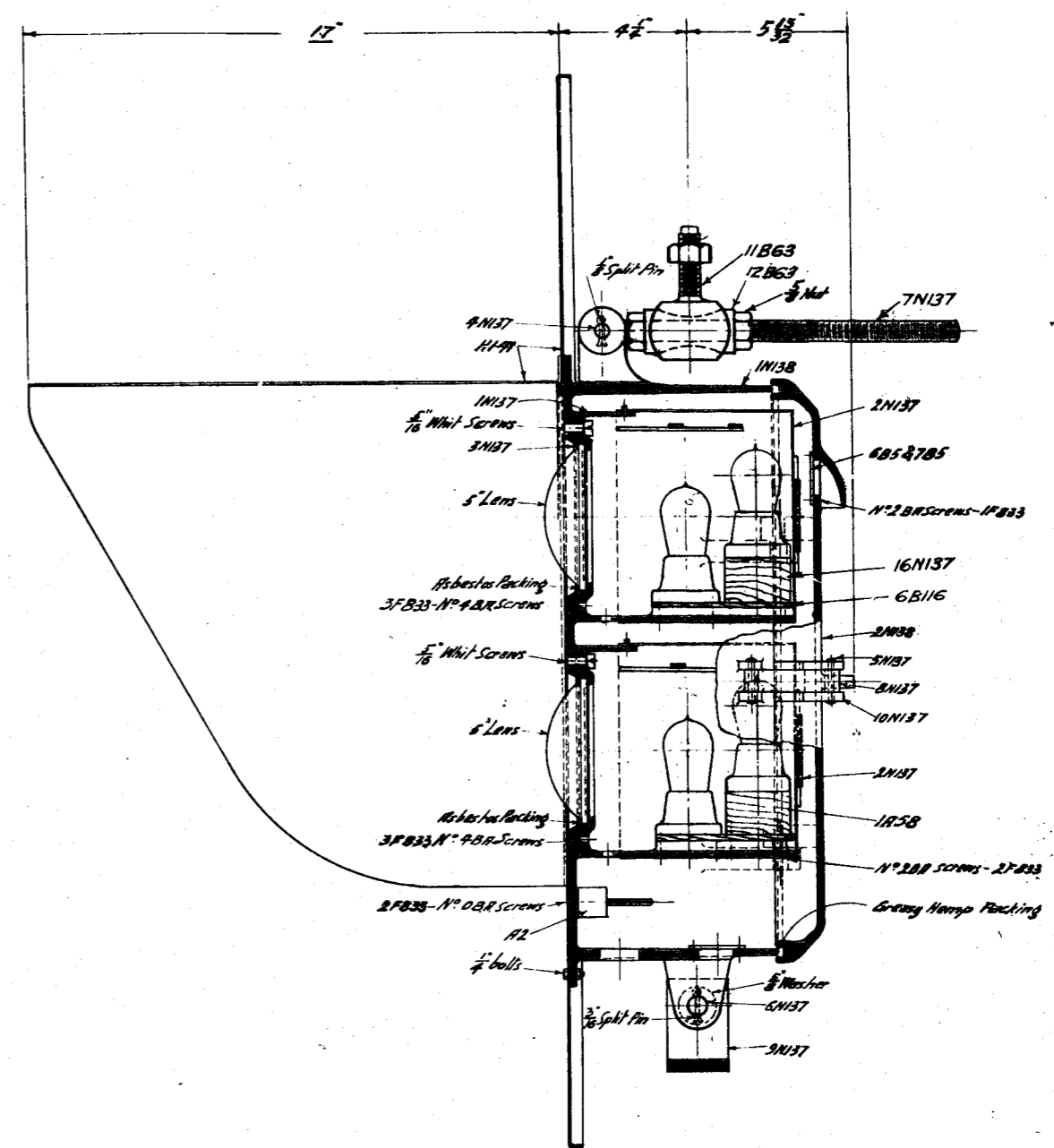
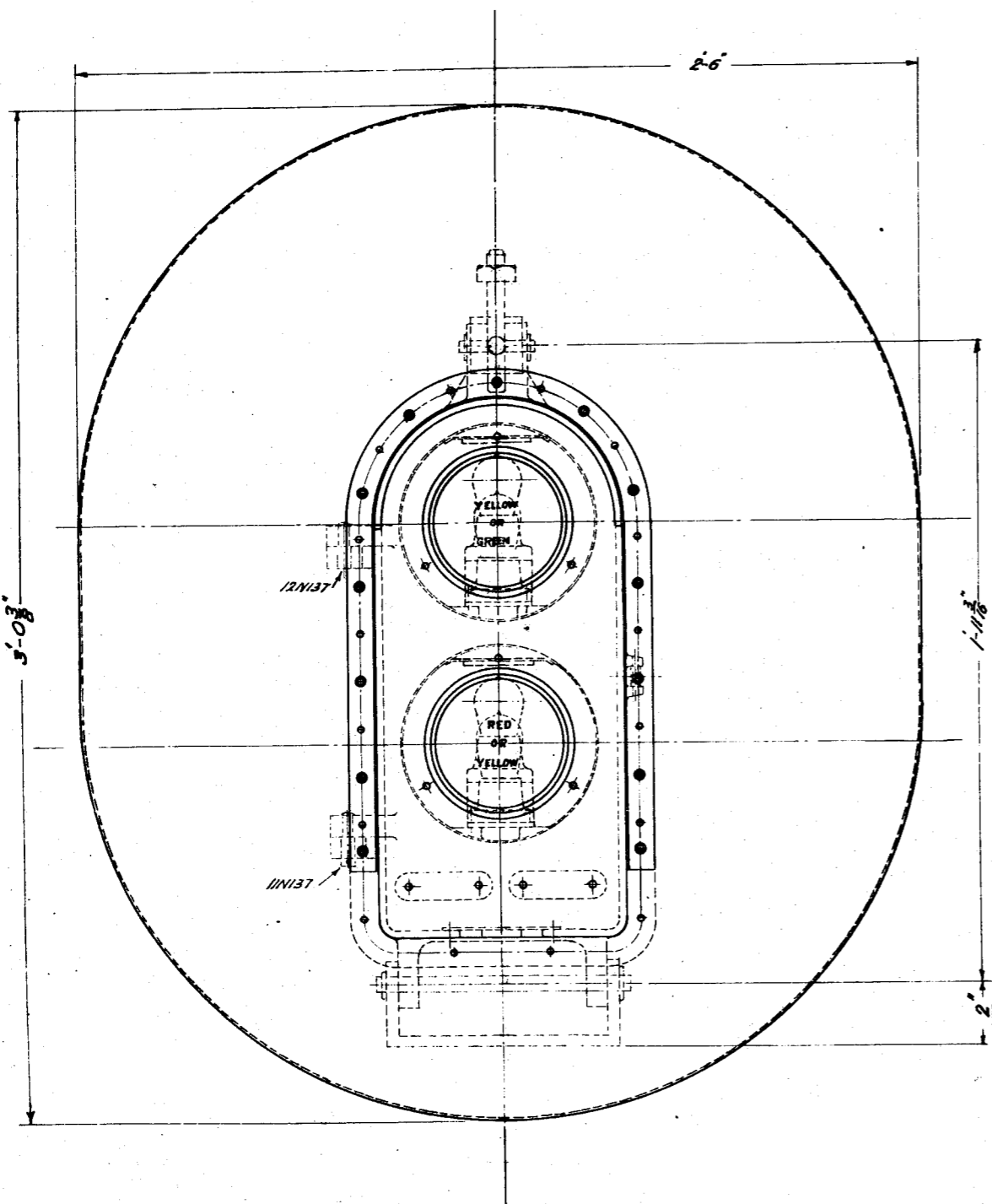
Engineer  
of Signals  
S.H.W.

Drawn by  
F.J.W.

2250-26

**H142**

7-5-20



REC'D  
R3052  
NEW  
1 DEC 27

1-4

30-10-24 Alteration N°97	19-2-24 Alteration N°64 & 67	8-11-23 Alteration N°36	3-8-22 Alteration N°28
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

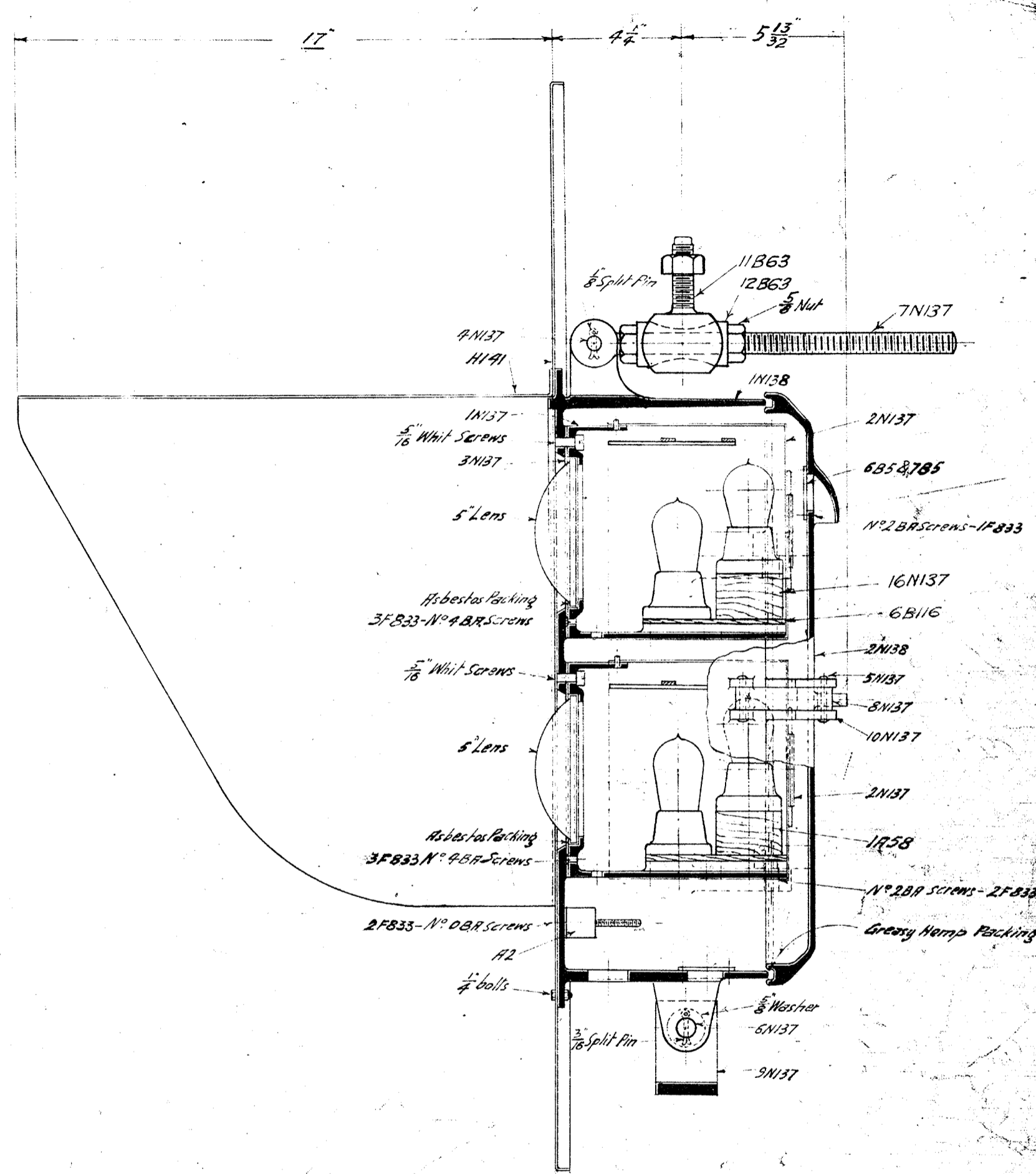
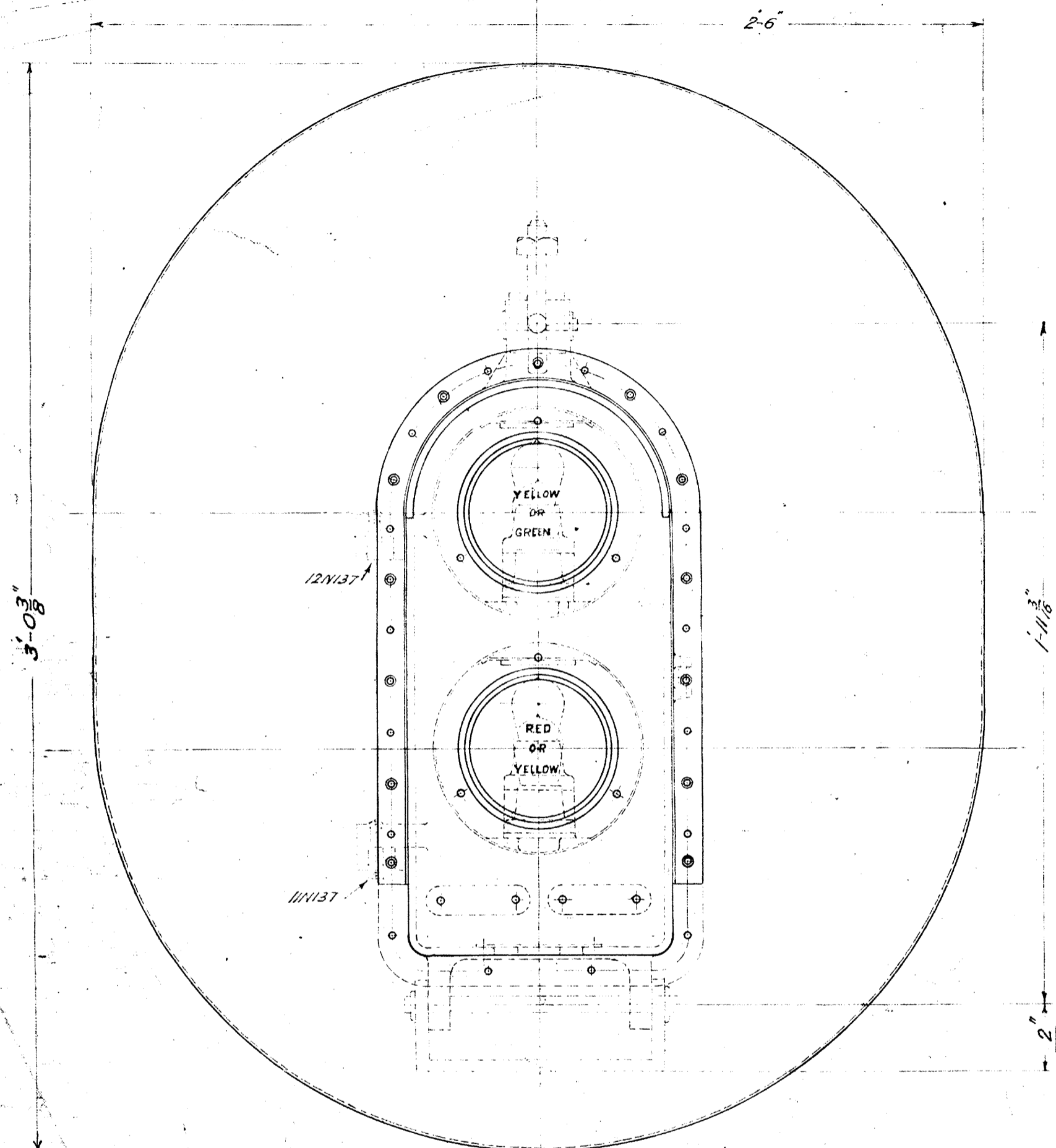
Reference  
For Material List see  
Drawing F1023.

**VICTORIAN RAILWAYS  
LIGHT SIGNAL V.R.  
2 POSITION-5 LENS-VERTICAL TYPE  
V.R.  
ASSEMBLY**

Scale - 3" = 1 foot

2-6-20

Engineer of Signals <i>[Signature]</i>	Drawn by T.M. <i>[Signature]</i>	225120 <b>H143</b>
--	--	-----------------------



103052

1 1/2 37

30-10-24

19-2-24

8-11-22

3-8-22

Reference

Alteration N° 87

Alteration N° 67 & 67

Alteration N° 36

Alteration N° 28

For Material List see Drawing F1023.

**VICTORIAN RAILWAYS  
LIGHT SIGNAL  
2 POSITION-5" LENS-VERTICAL TYPE  
ASSEMBLY**

Engineer of Signals

Drawn by

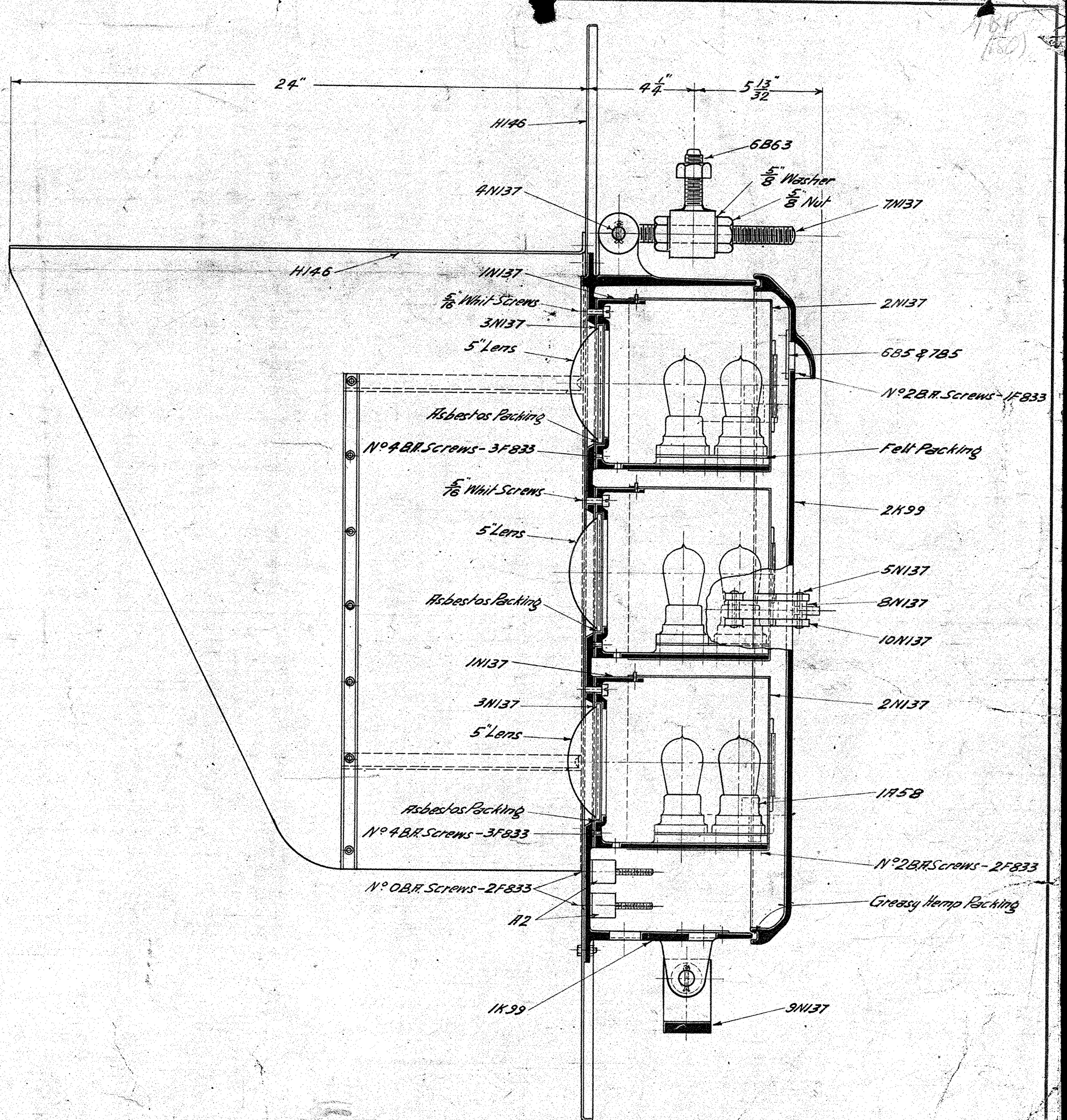
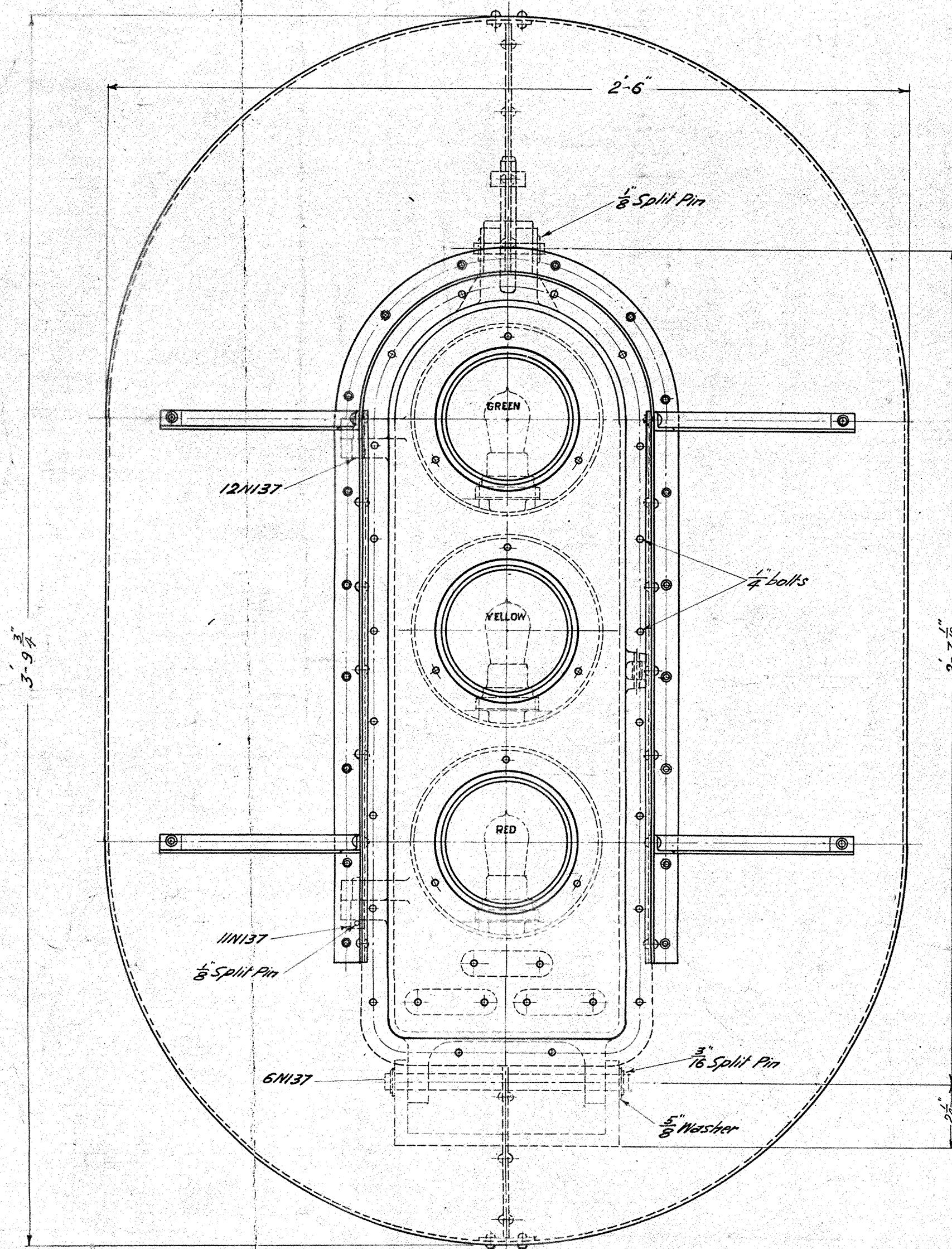
J.H.W.

J.H.W.

**H143**

Scale 3" = 1' 0"

2-6-30



Reference  
For Material List see  
Drawing F1023.

**VICTORIAN RAILWAYS  
LIGHT SIGNAL**  
3 POSITION - 5 LENS - VERTICAL TYPE  
ASSEMBLY

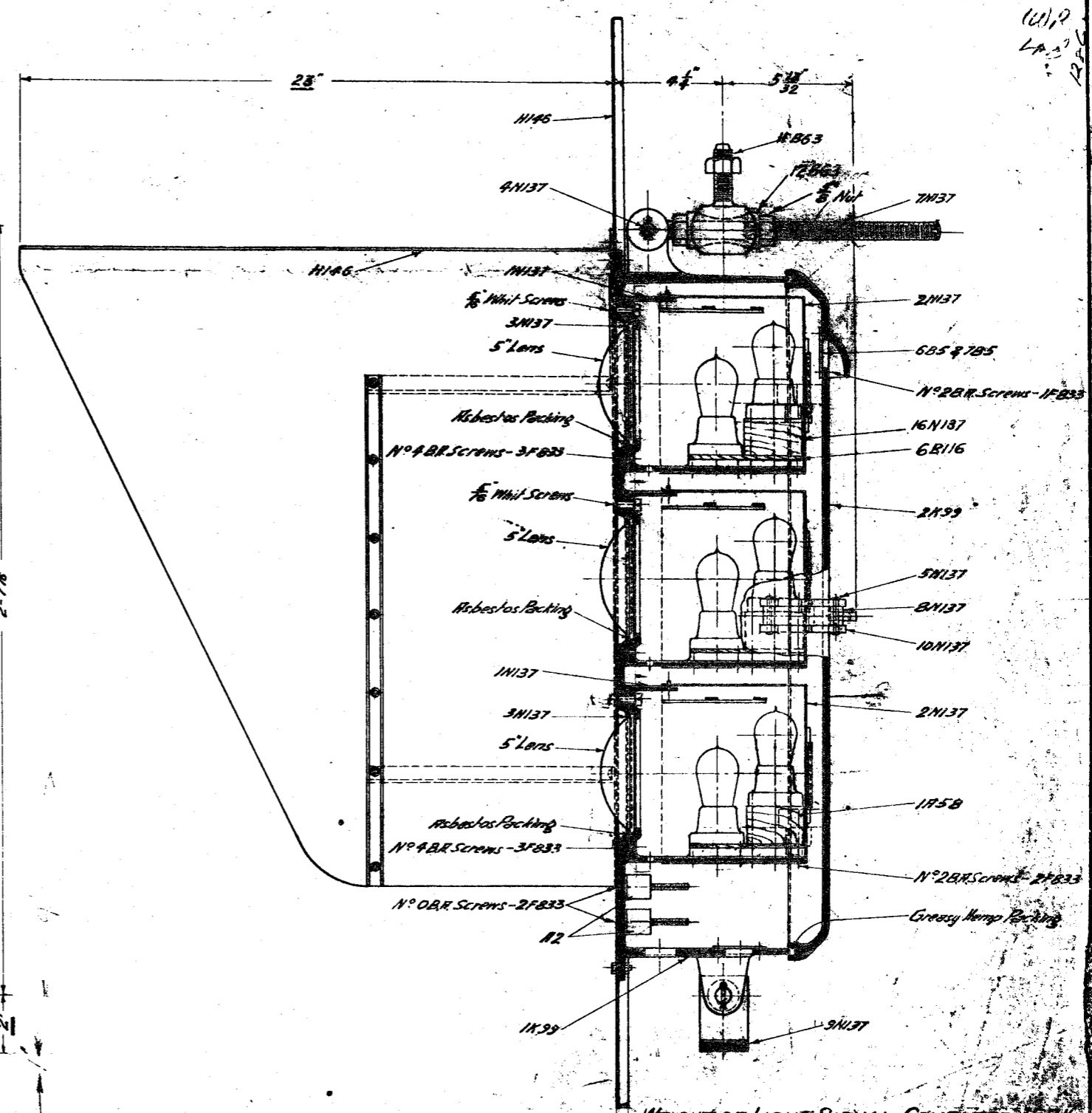
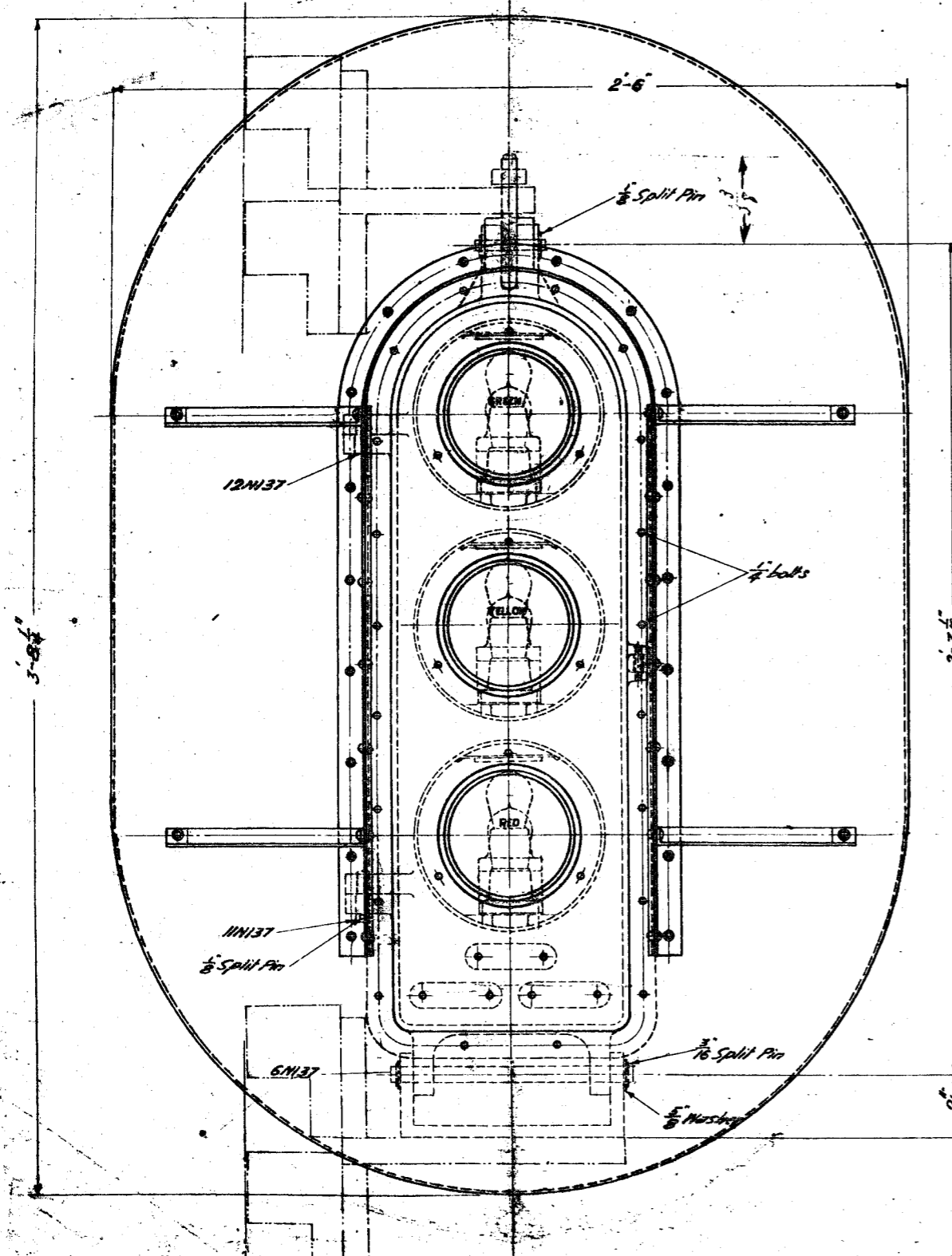
Engineer  
of Signals  
FJW  
Checked by  
FJW

Scale 3" = 1 foot

15-8-20

**H144**

10119  
L.A. 2  
25



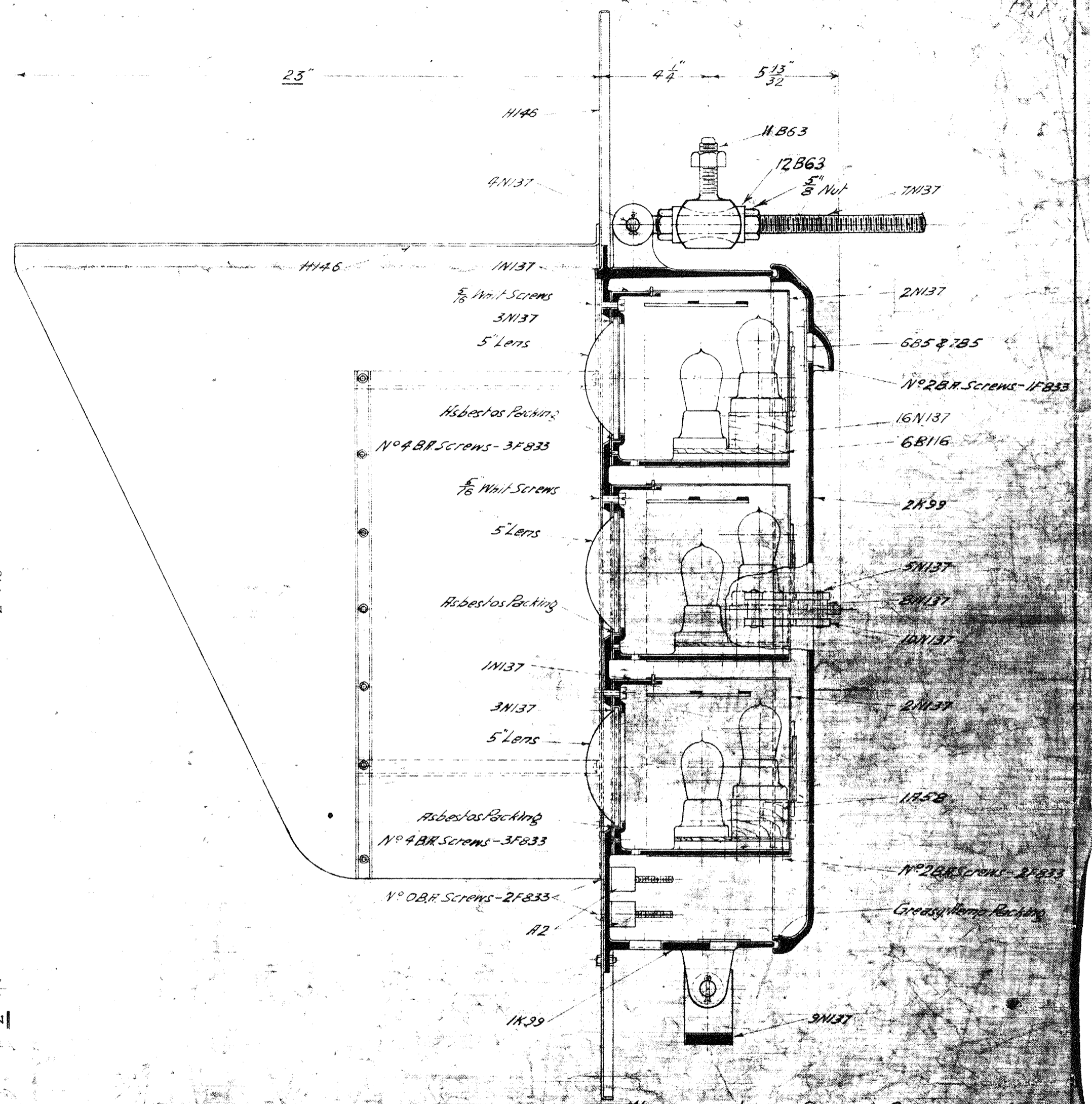
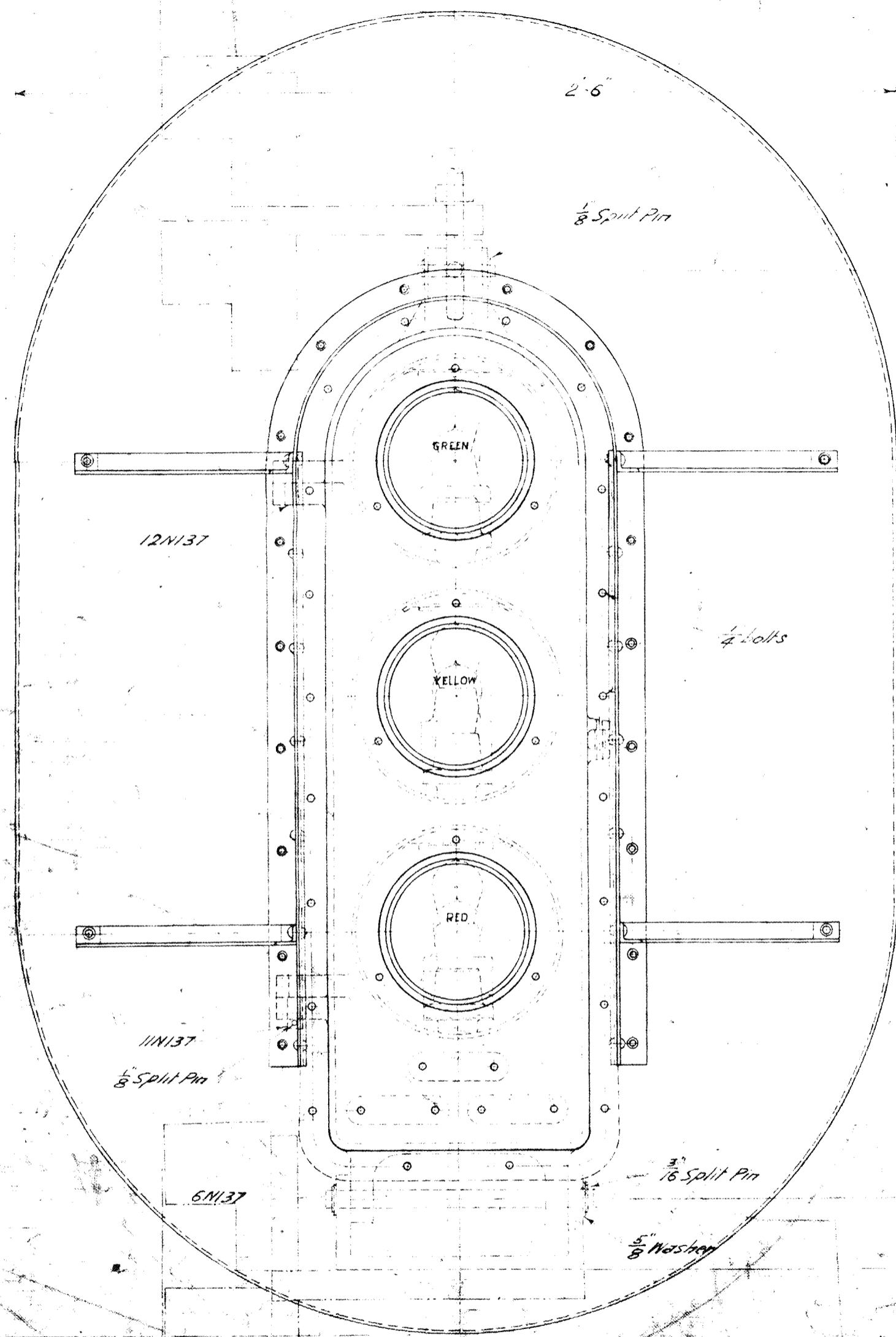
WEIGHT OF LIGHT SIGNAL COMPLETE 15 1/2 LBS

3053

30-10-24	2-2-24	8-11-22	3-8-22	Reference For Material List see Drawing F1023.
Alteration N° 57	Alteration N° 58 & 67	Alteration N° 56	Alteration N° 28	
RCC	CC	RCC	RCC	

VICTORIAN RAILWAYS  
LIGHT SIGNAL  
3 POSITION 5 LENS VERTICAL TYPE  
ASSEMBLY  
Scale 2-1/2" = 1"





WEIGHT OF LIGHT SIGNAL COMPLETE 157 lbs

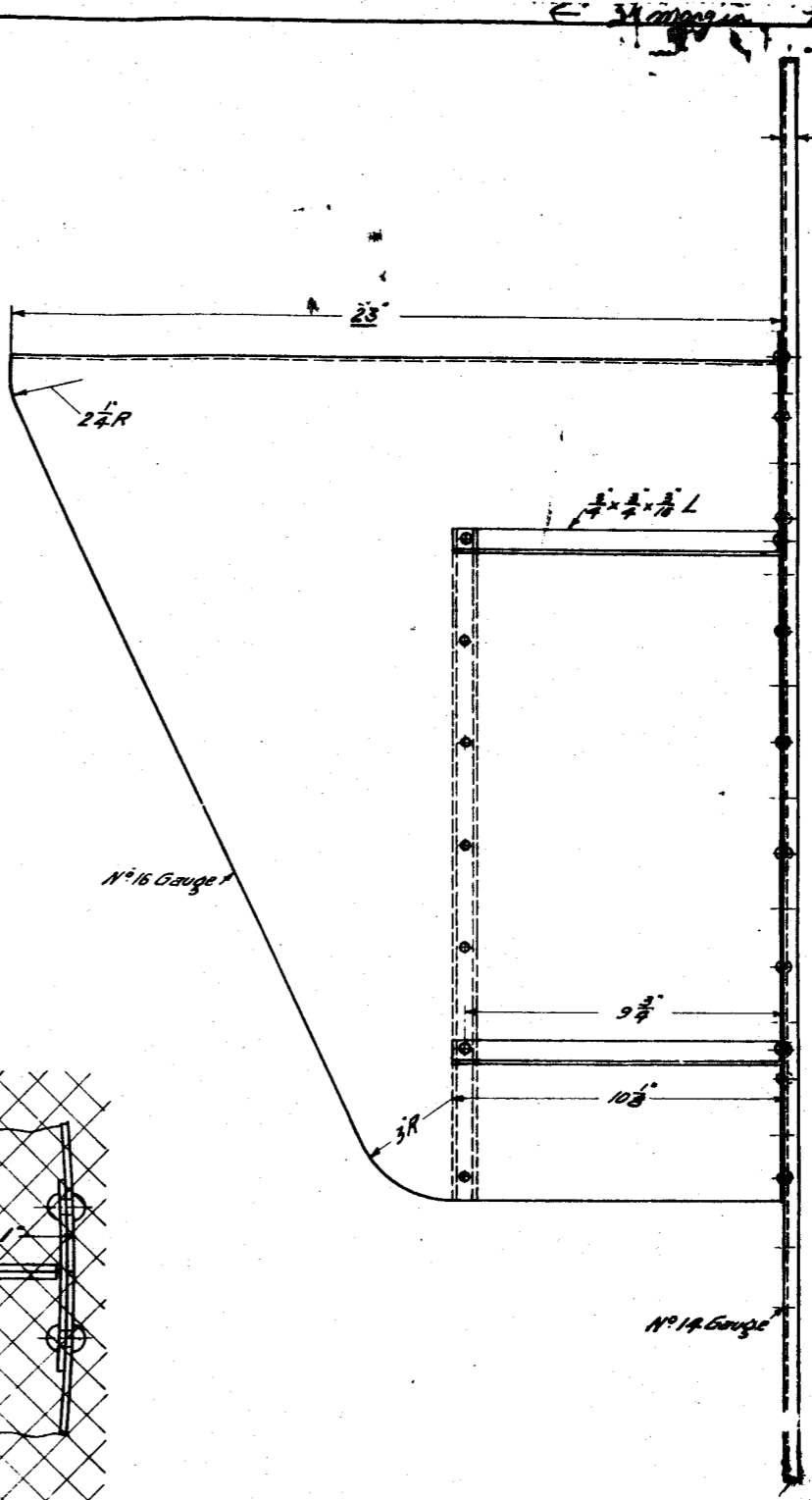
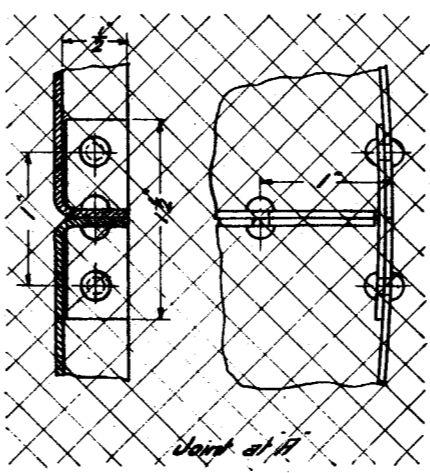
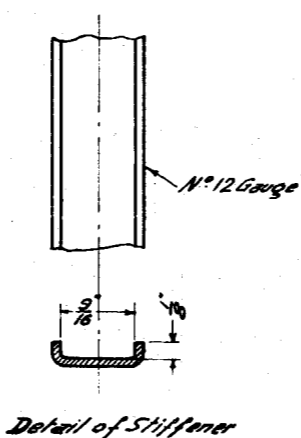
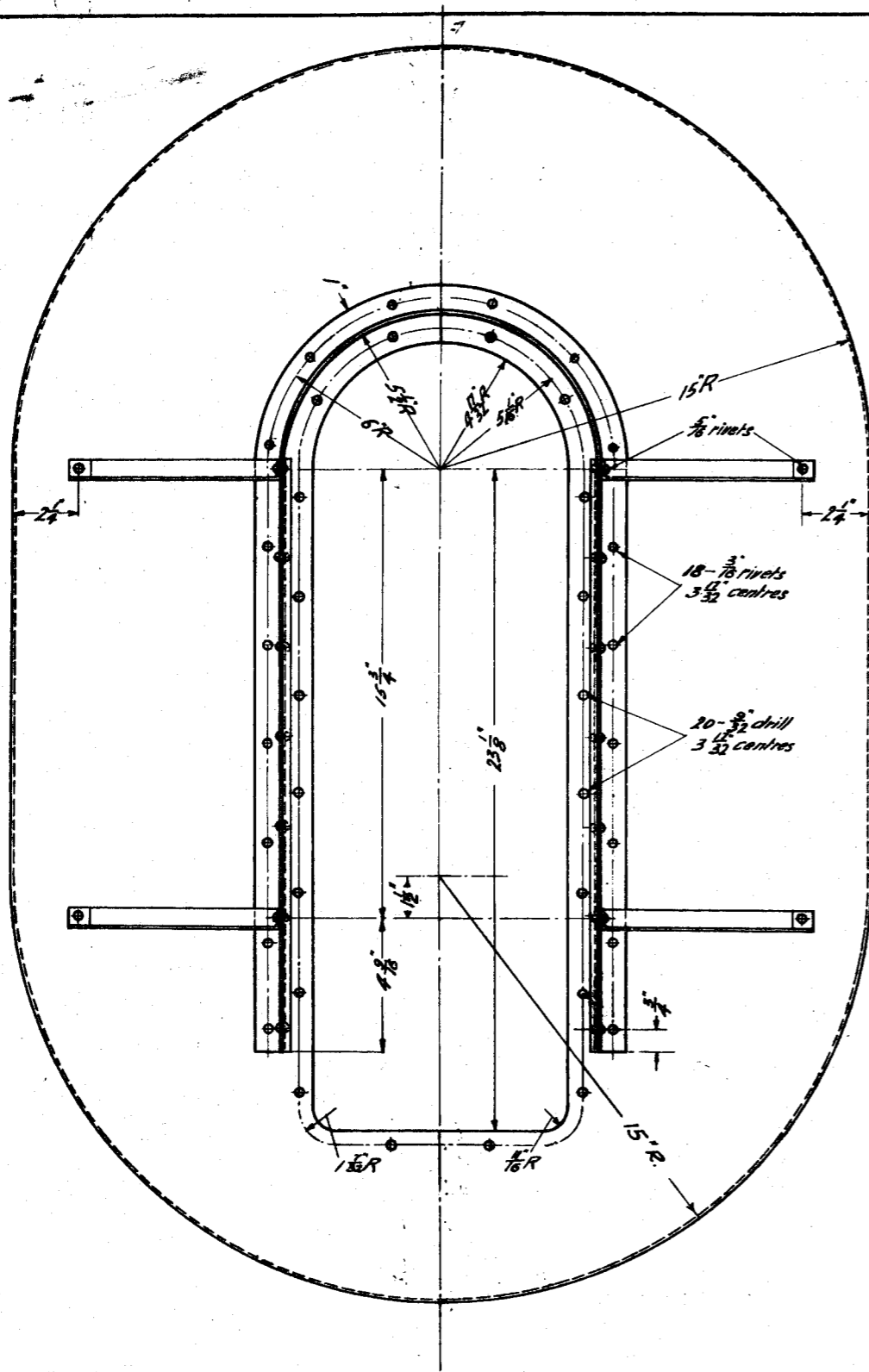
3053

30-10-21	15-1-21	8-11-21	3-8-21
Alteration N°88	Alteration N°64	Alteration N°36	Alteration N°28
	6, 67		

Reference  
For Material List see  
Drawing F1025

**VICTORIAN RAILWAYS**  
**LIGHT SIGNAL**  
**3 POSITION - 5 LENS - VERTICAL TYPE**  
**ASSEMBLY**

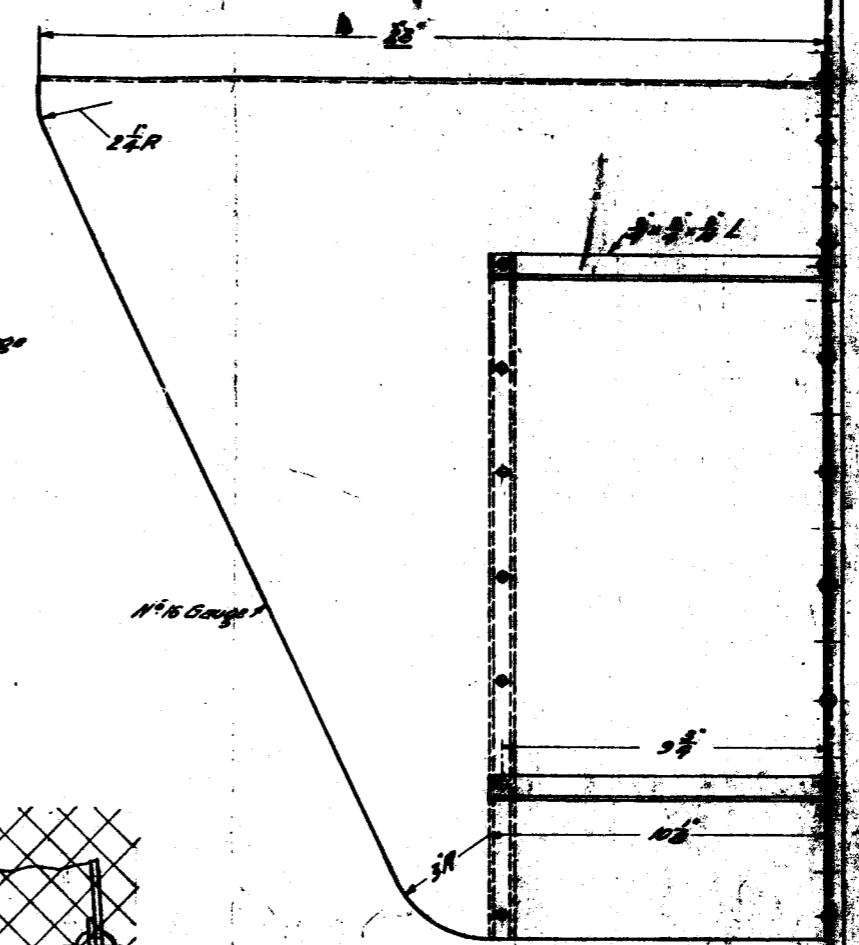
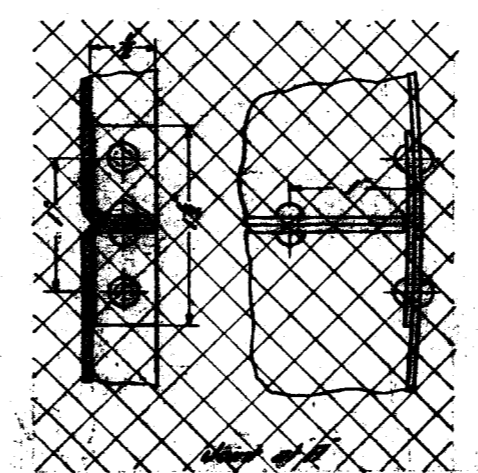
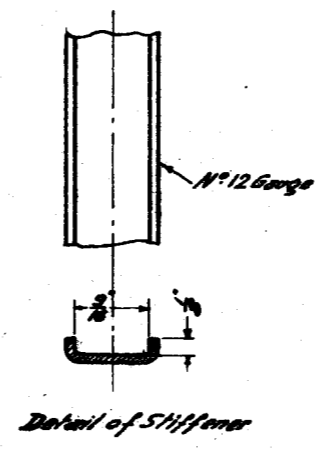
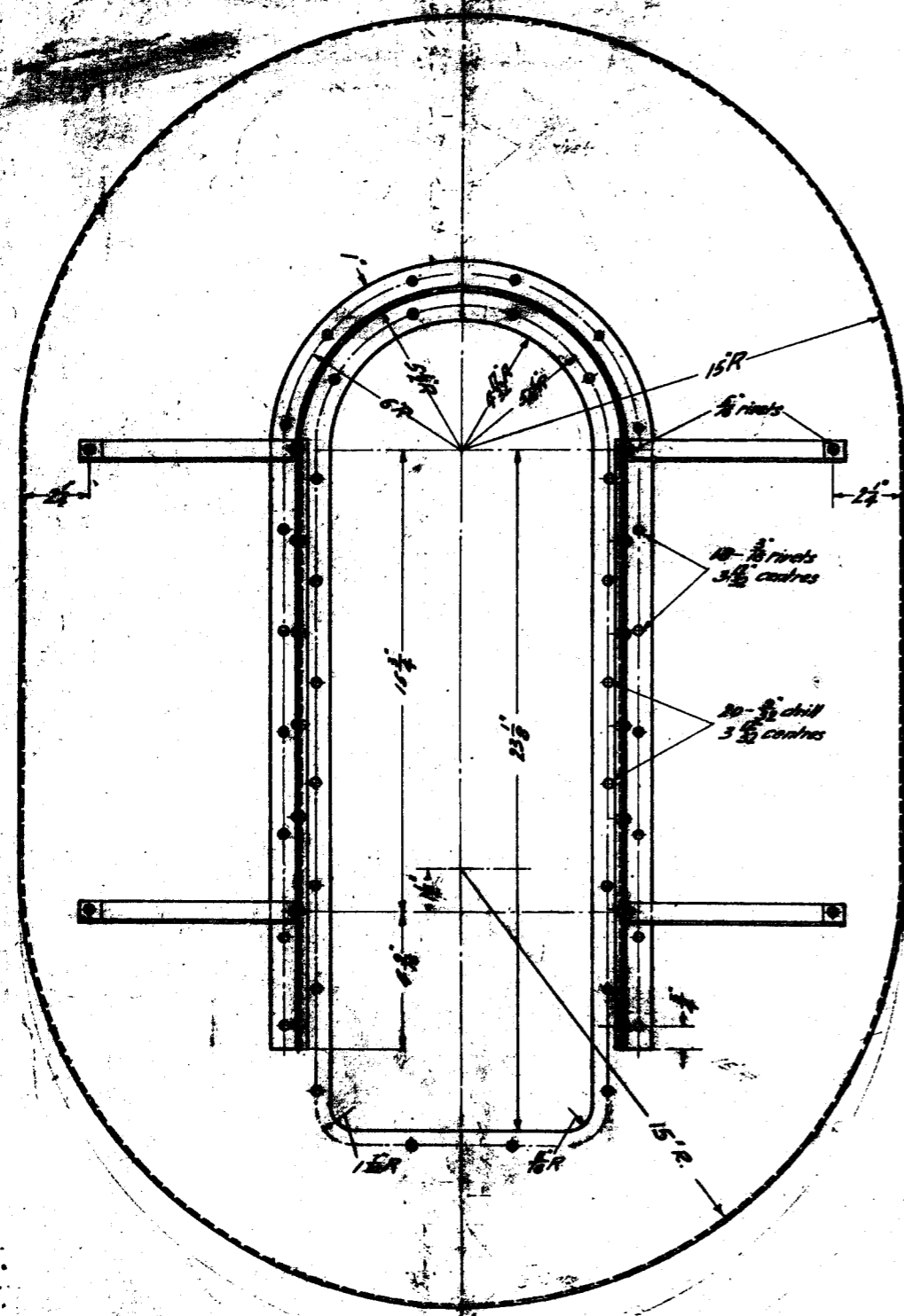
H144

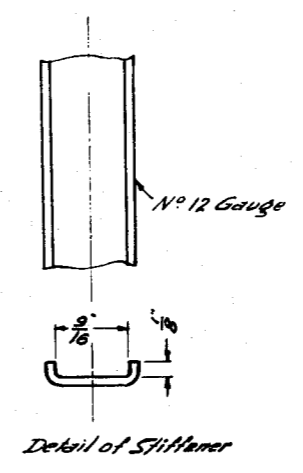
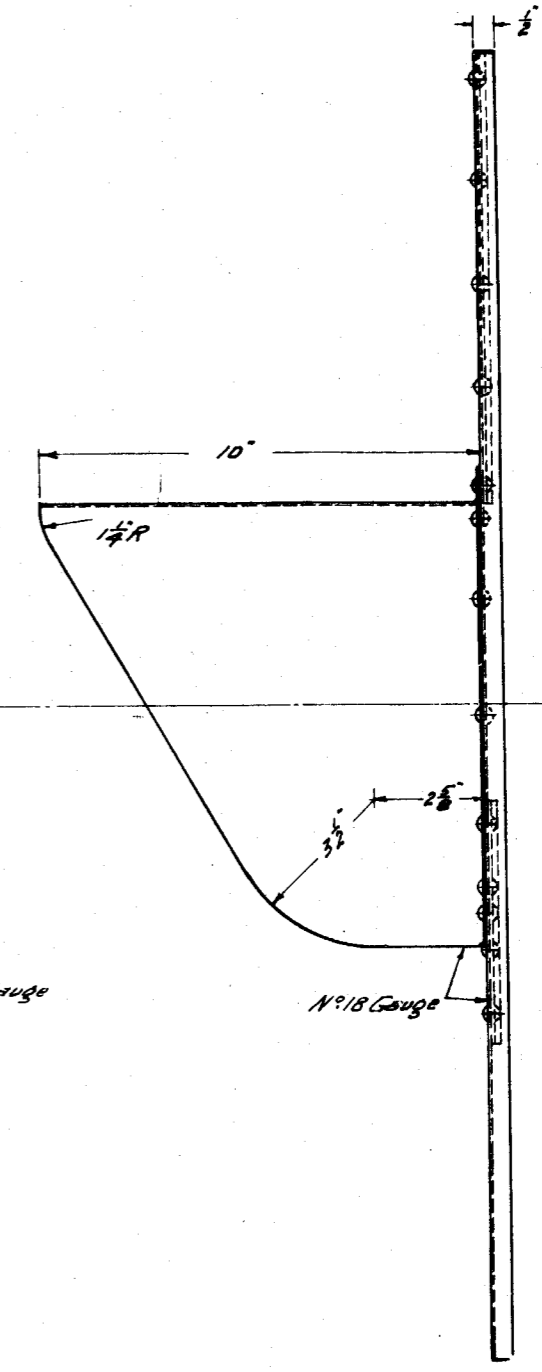
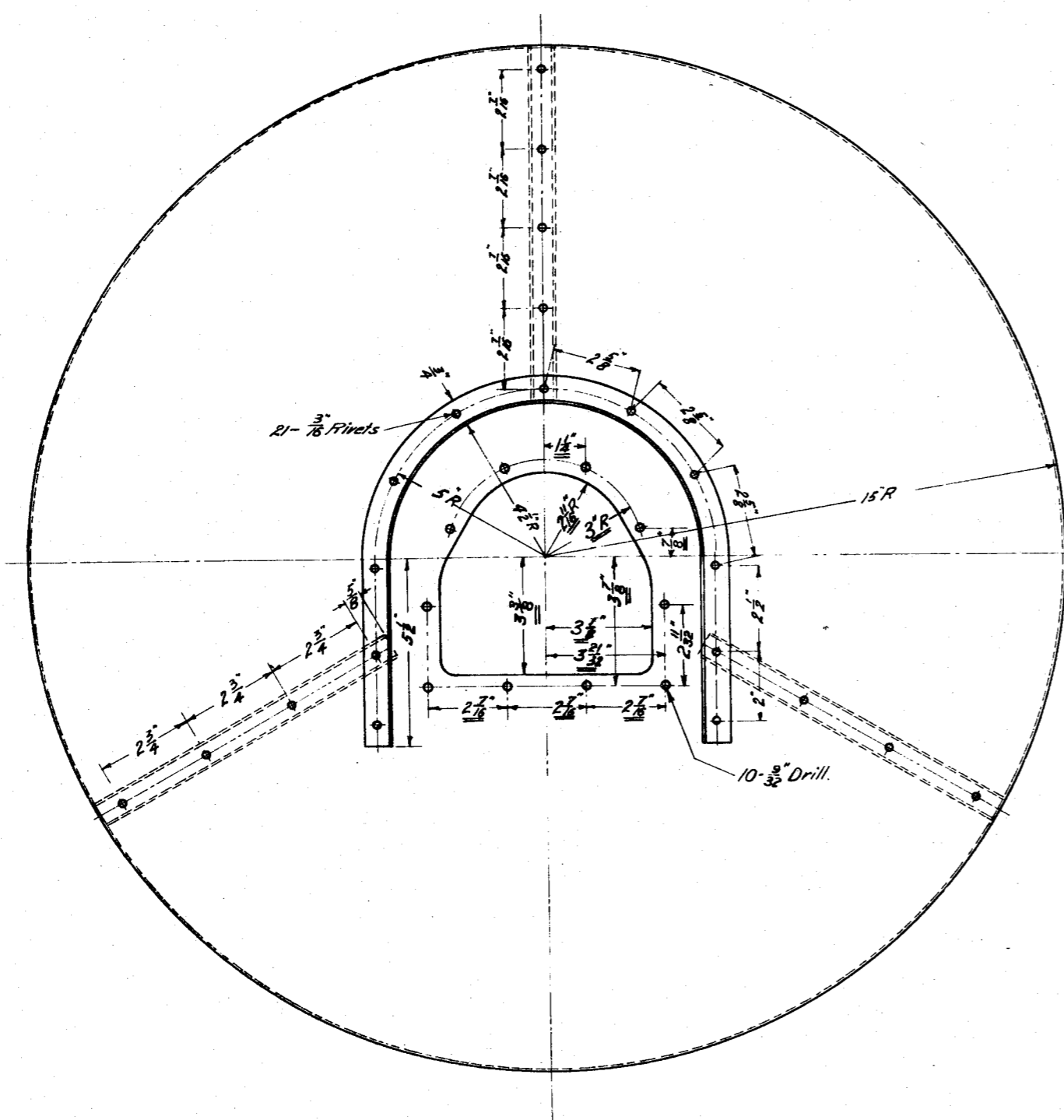


R 3055  
 1/2 2/27

19-2-24	2-2-22	3-2-22	25-4-22
Alteration N° 267	Alteration N° 36	Alteration N° 28	Alteration N° 24
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

VICTORIAN RAILWAYS  
 LIGHT SIGNAL  
 3 POSITION-5 LENS-VERTICAL TYPE  
 HOOD AND BACKGROUND





LWP  
LH3

1285

3546-20

RECORD PLAN  
R 3056  
NEW ZEALAND  
RAILWAYS  
1 7/8 5

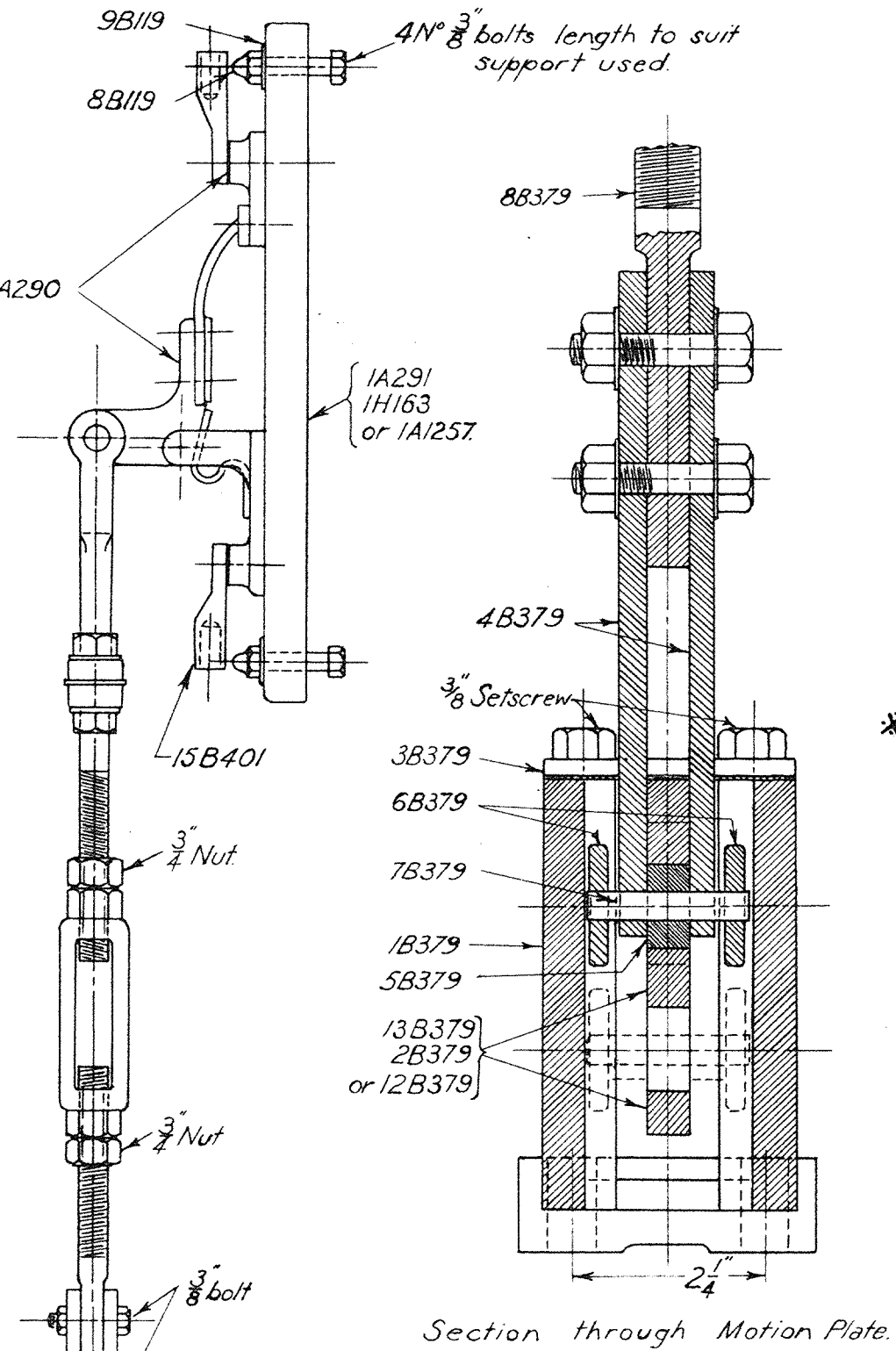
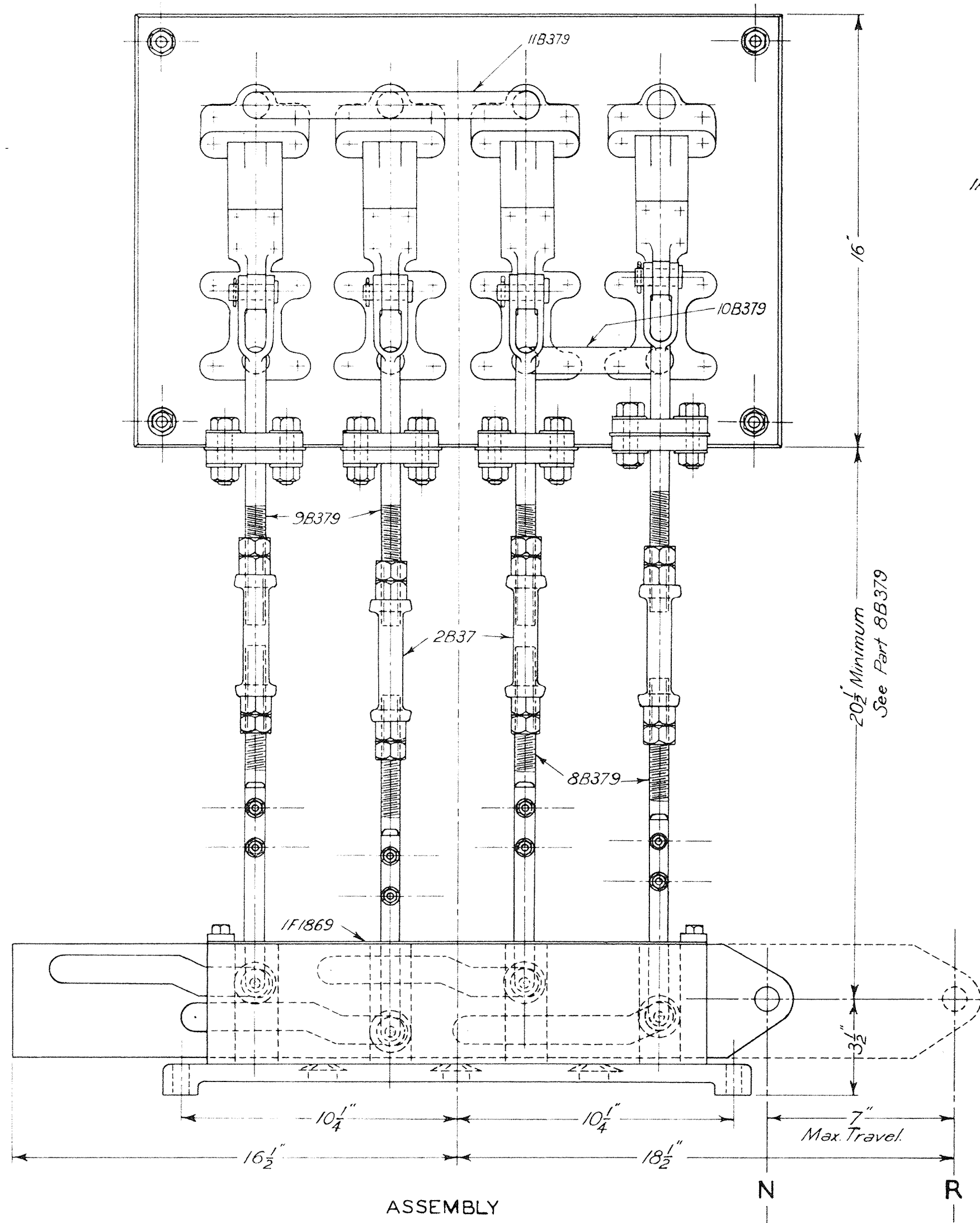
51-4

22-11-22  
Alteration  
No 37

**VICTORIAN RAILWAYS  
LIGHT SIGNAL MARKER  
HOOD & BACKGROUND**

Engineer of Signals  
Checked by  
F.M.  
HIAT

6-10-20



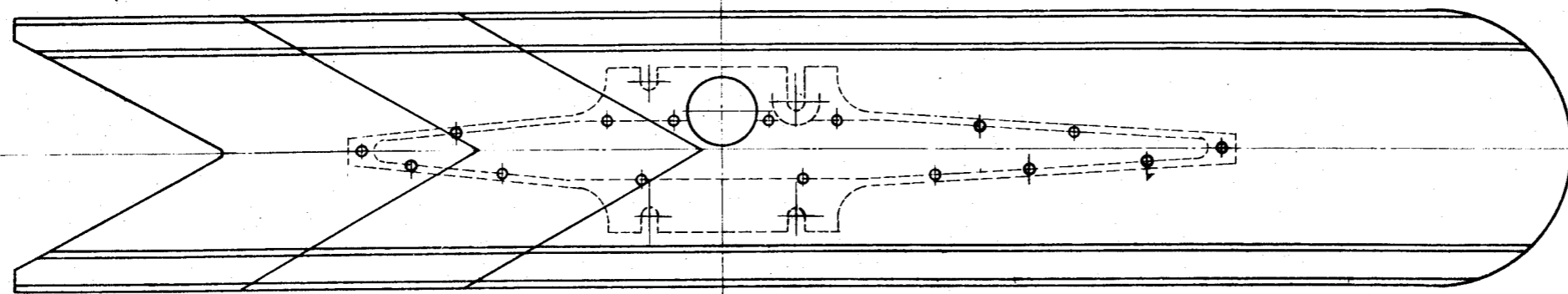
Motion Plate Complete with 1rod	2H155
" " " " 2rods	5H155
" " " " 4 "	1H155
Switchboard " " 1switch	4H155
" " " " 2switches	6H155
" " " " 4 "	3H155

No.	Name	Mat.	Quantity					
			1H155	2H155	3H155	4H155	5H155	6H155
1B379	Base	C.I.	1	1	-	-	1	-
2B379	Motion Plate	M.S.	1	-	-	-	-	-
12B379	" "	" "	-	-	-	-	1	-
13B379	" "	" "	-	1	-	-	-	-
3B379	Strap	" "	2	2	-	-	2	-
4B379	" "	" "	8	2	-	-	4	-
5B379	Roller	" "	4	1	-	-	2	-
6B379	" "	" "	8	2	-	-	4	-
7B379	Pin	" "	4	1	-	-	2	-
* 8B379	Connecting Rod (Minimum for X=6")	" "	4	1	-	-	2	-
9B379	Insulated Connecting Rod	-	4	1	-	-	2	-
2B37	3/4 Turnbuckle	M.S.	4	1	-	-	2	-
1A290	Negative Switch (Complete)	-	-	-	4	1	-	2
1A291	Switchboard	Telemite	-	-	1	-	-	-
1H163	" "	" "	-	-	-	1	-	-
1A1257	" "	" "	-	-	-	-	-	1
8B119	Acorn Nut	Brass	-	-	4	4	-	4
9B119	Washer	" "	-	-	4	4	-	4
15B401	Bond End	Copper	-	-	10	4	-	6
10B379	Connecting Strip	" "	-	-	1	-	-	1
11B379	" " "	" "	-	-	1	-	-	-
1F1869	Cover	M.S.	2	2	-	-	2	-
Stock	3/8 Hex. Setscrew 1" long	" "	4	4	-	-	4	-
"	3/8 Mach. bolt 1 3/4 long	" "	8	2	-	-	4	-
"	3/4 Nut tapped R.H.	" "	4	1	-	-	2	-
"	3/4 " " L.H.	" "	4	1	-	-	2	-
"	3/8 Hex. Bolts length to suit support.	Brass	-	-	4	4	-	4

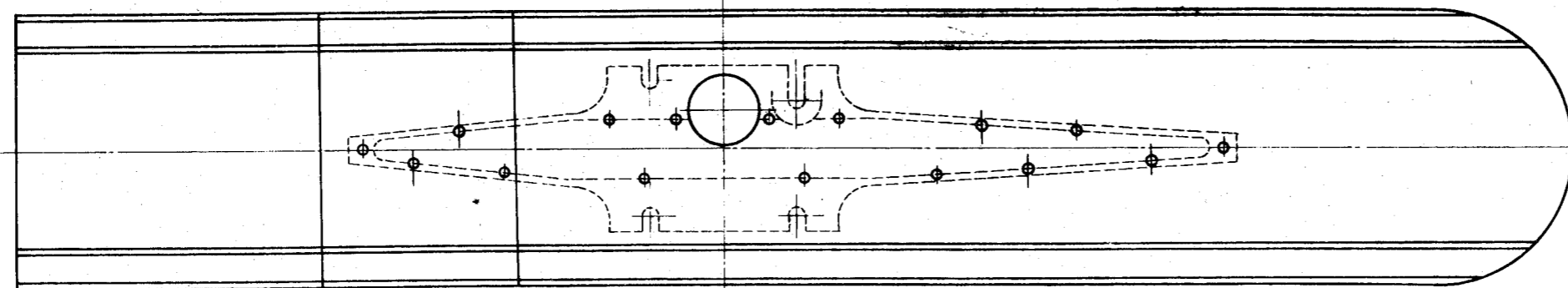
NOTES:-  
 Mounting of switchboard to be ordered separately to suit location.  
 \* Length of X in part 8B379 to be given when ordering.

J1-4.

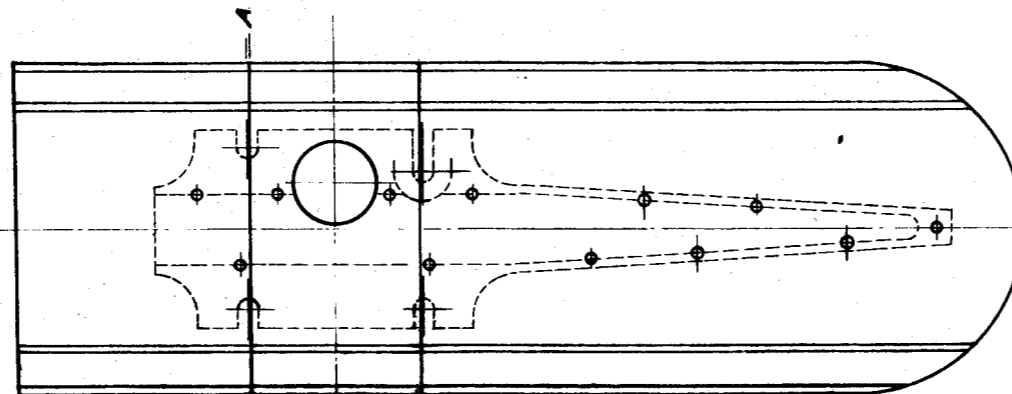
Redrawn including Alterations 74 & 88 Parts 5 & 6H155 added. Original dated 21-1-21	VICTORIAN RAILWAYS NEGATIVE SWITCHES FOR TRAMWAY CROSSING GENERAL ASSEMBLY 3/16s = 1 Foot Scales: 6/16s = 1 Foot.	Sig. & Tel. Engineer. CAY	Drawn by. R.G.C.	Traced by. E.R.J.
		<b>H 155</b>		



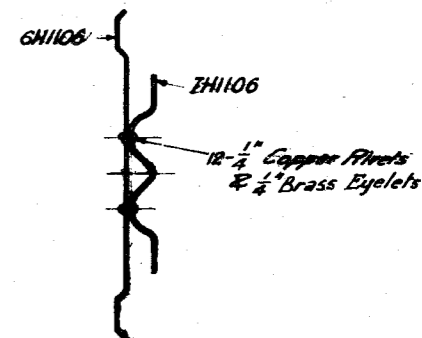
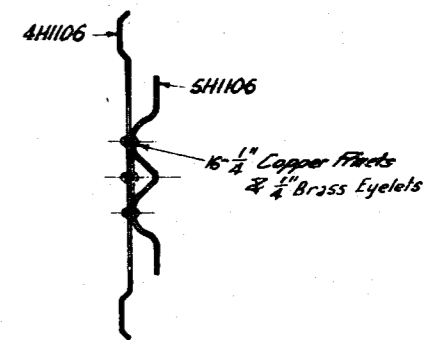
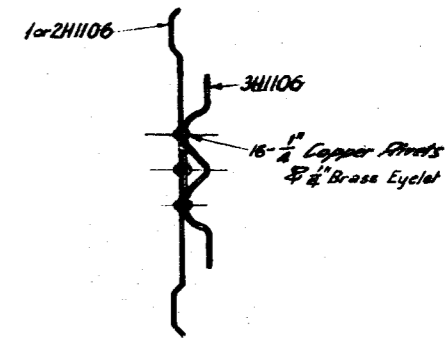
1H156 Front Red with White Stripe.  
4H156 " Yellow " Black "



2H156 Front Red with White Stripe.



3H156 Front Red with White Stripe.



Section at A-A

3061

PLAN  
1061  
HE-37  
J1-4  
1-4

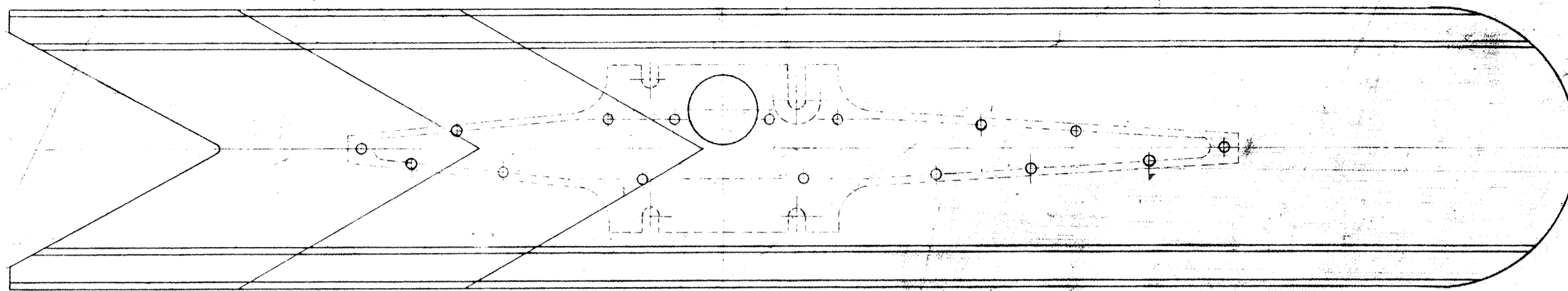
R.3061  
J1-4

Alteration No 1047	For Enamelling Instructions See H1106	2-12-40 Alteration No 468.	27-3-34 Alteration No 290	25-10-27 Part No 4.H156 added
-----------------------	--	----------------------------------	---------------------------------	--

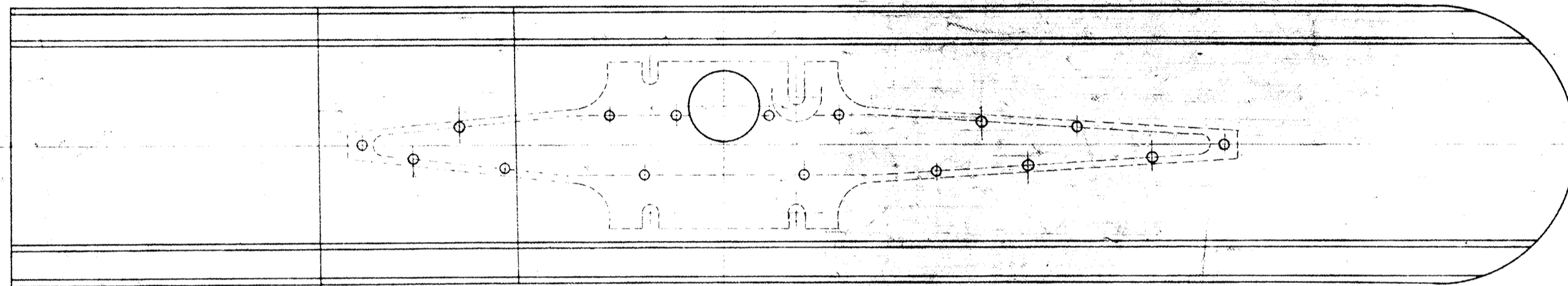
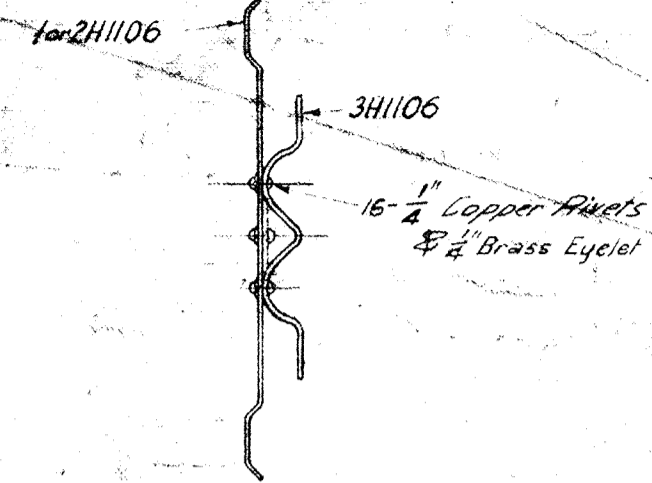
**VICTORIAN RAILWAYS  
SEMAPHORE BLADES  
ENAMELLED STEEL  
ASSEMBLY**

Scale: 8" = 1 foot

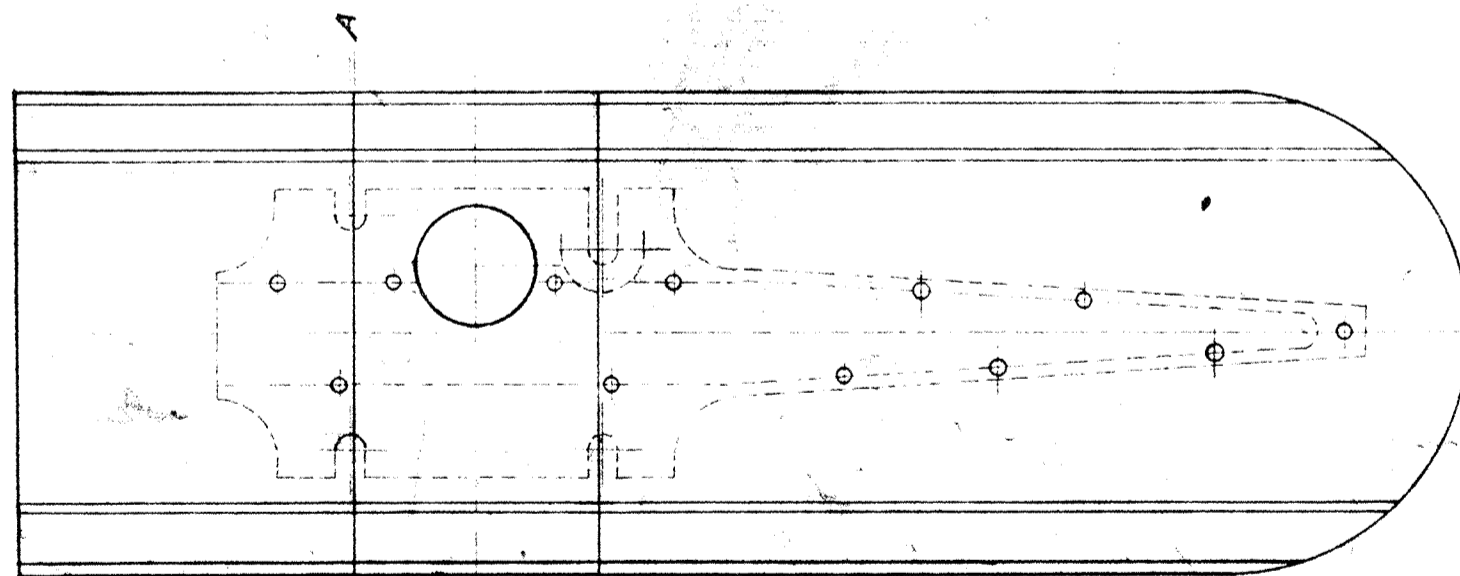
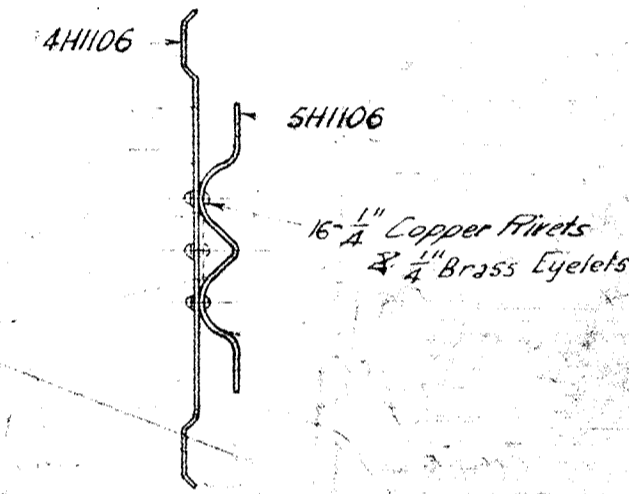
237-21  
Engineer  
237-21



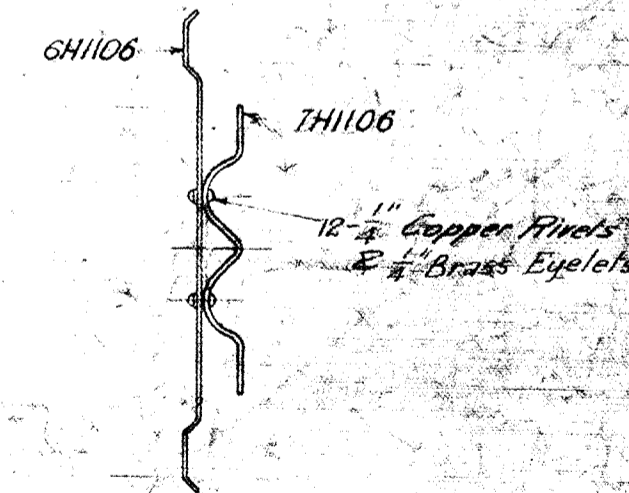
**1H156** Front Red with White Stripe.  
**4H156** " Yellow " Black "



**2H156** Front Red with White Stripe.



**3H156** Front Red with White Stripe.



Section at A-A.

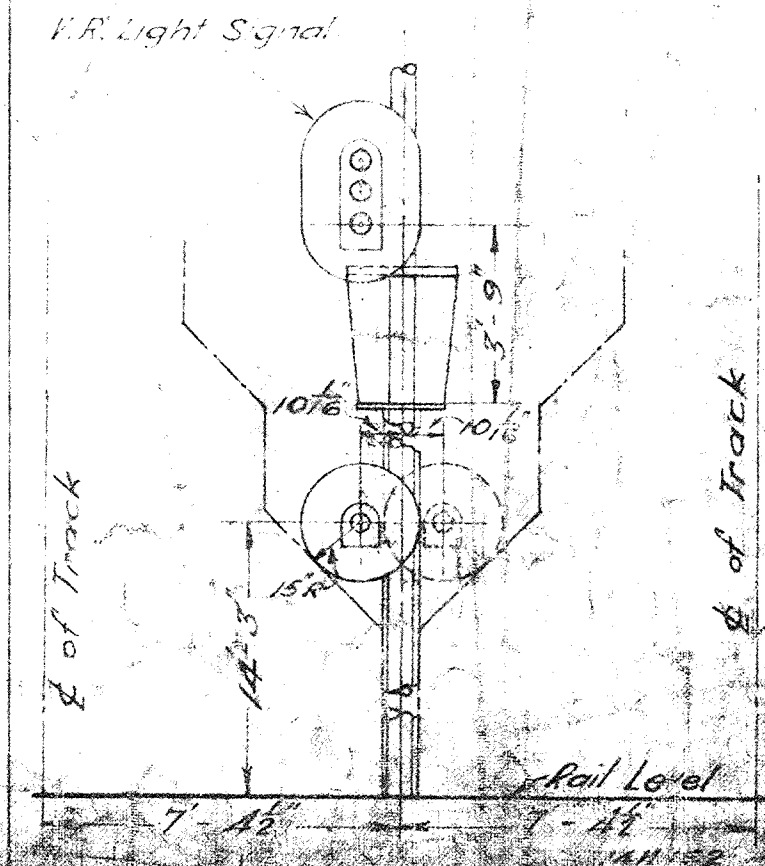
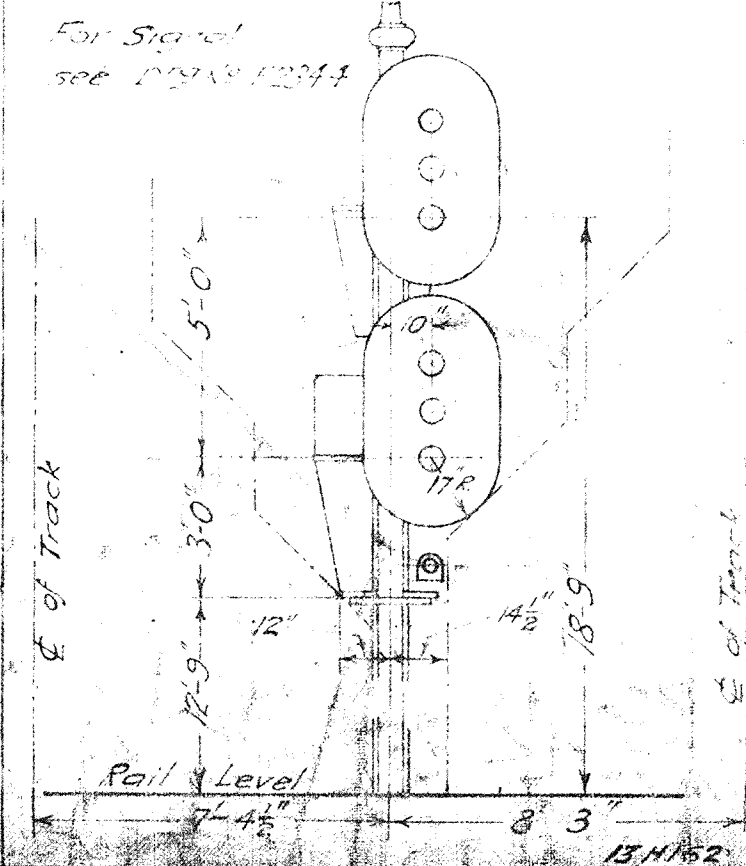
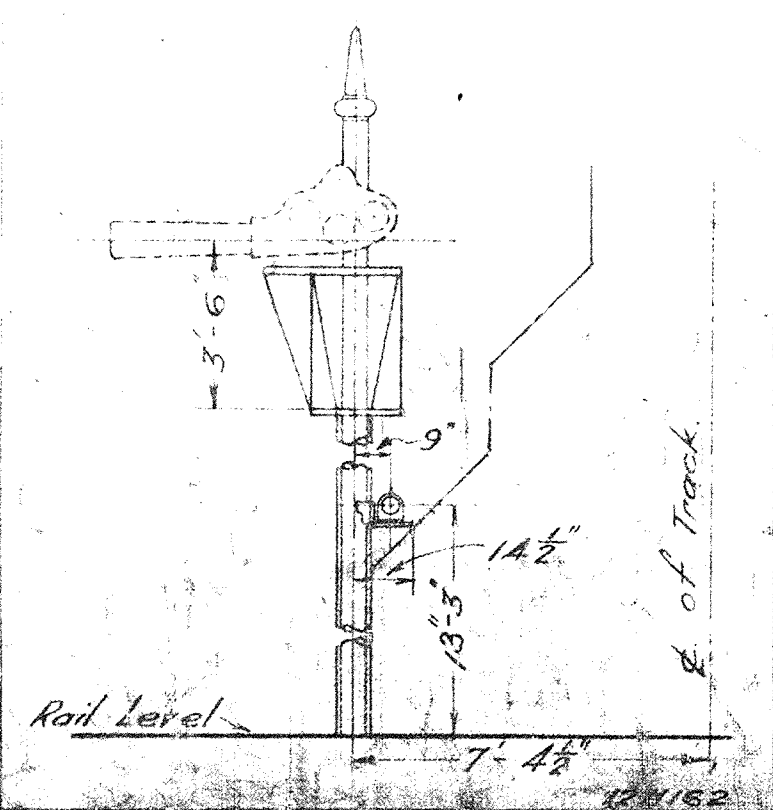
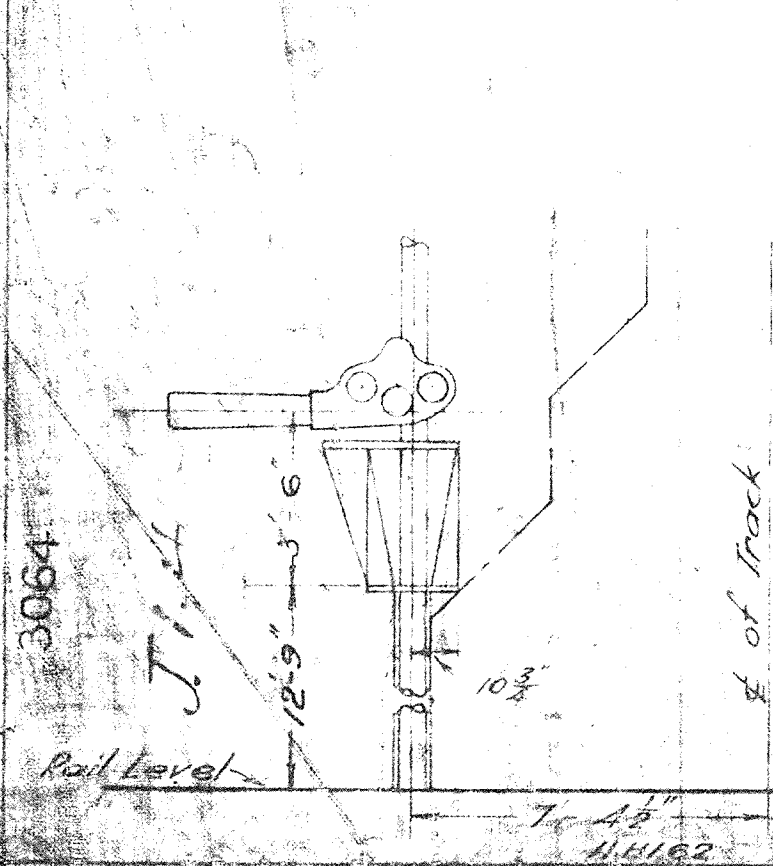
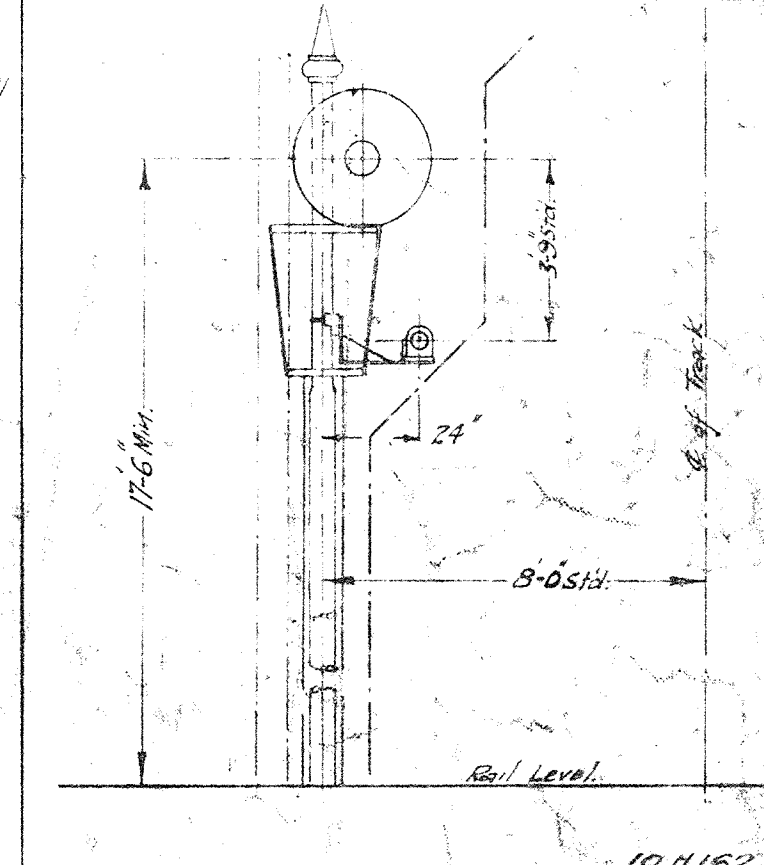
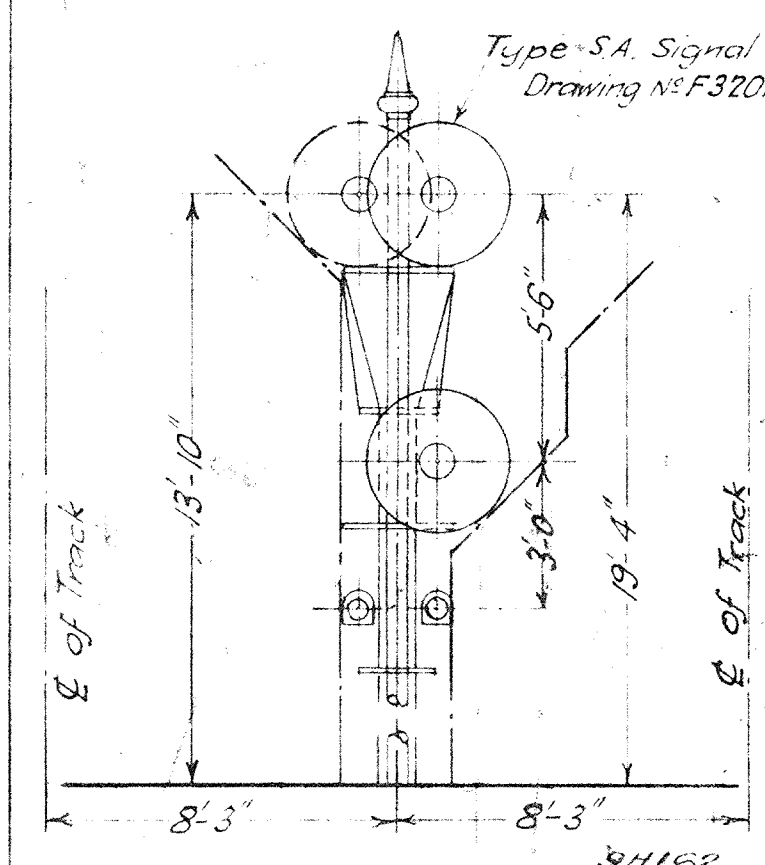
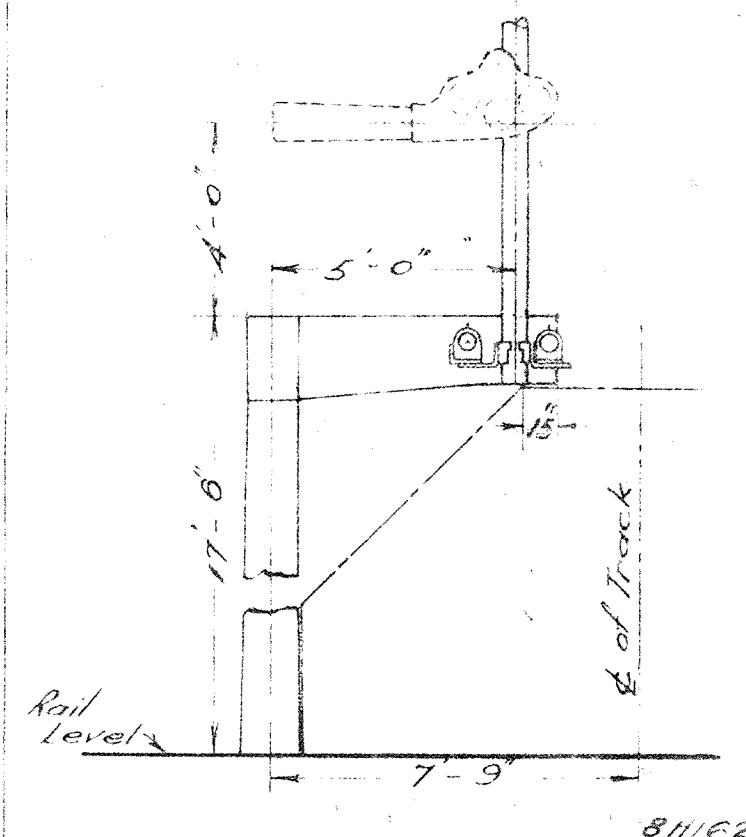
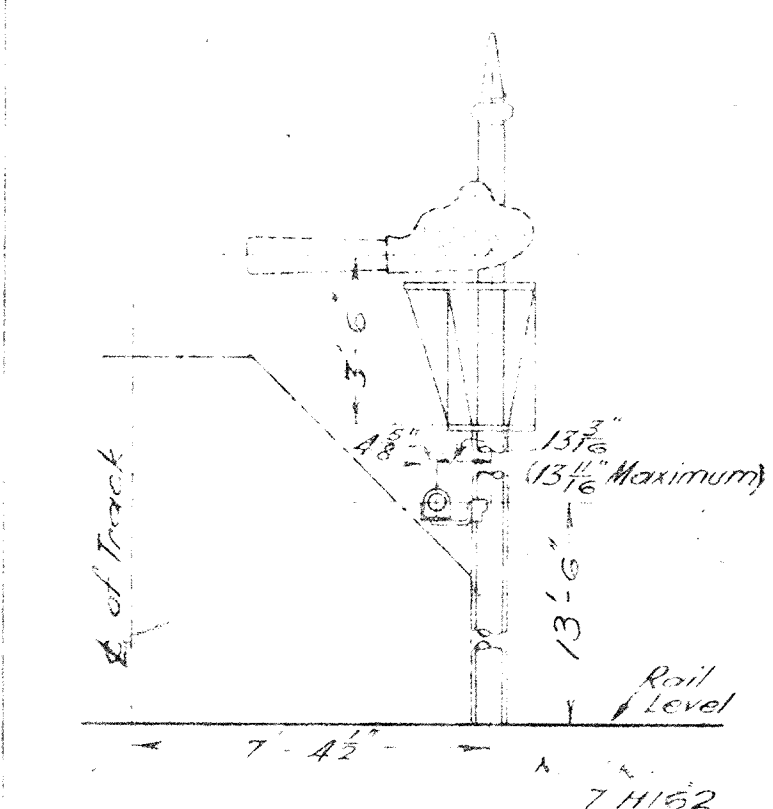
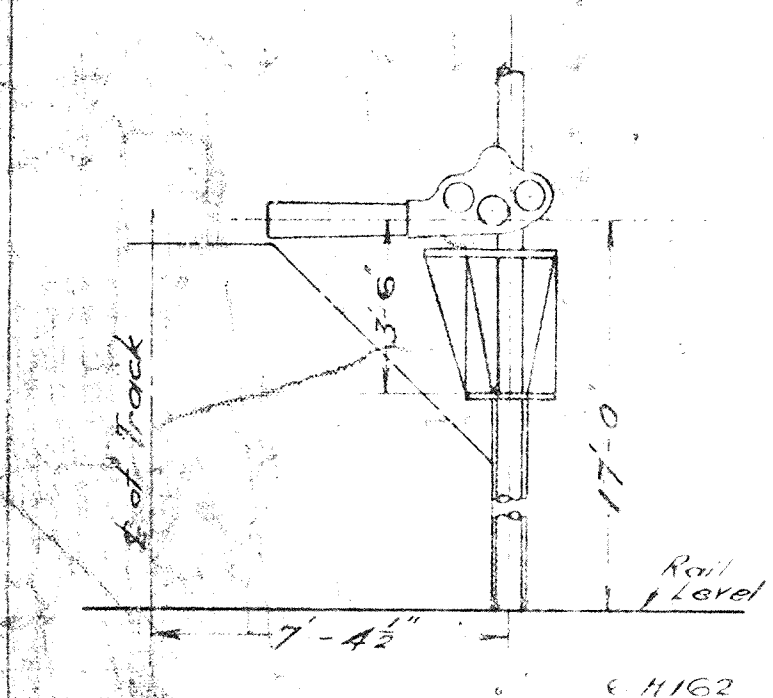
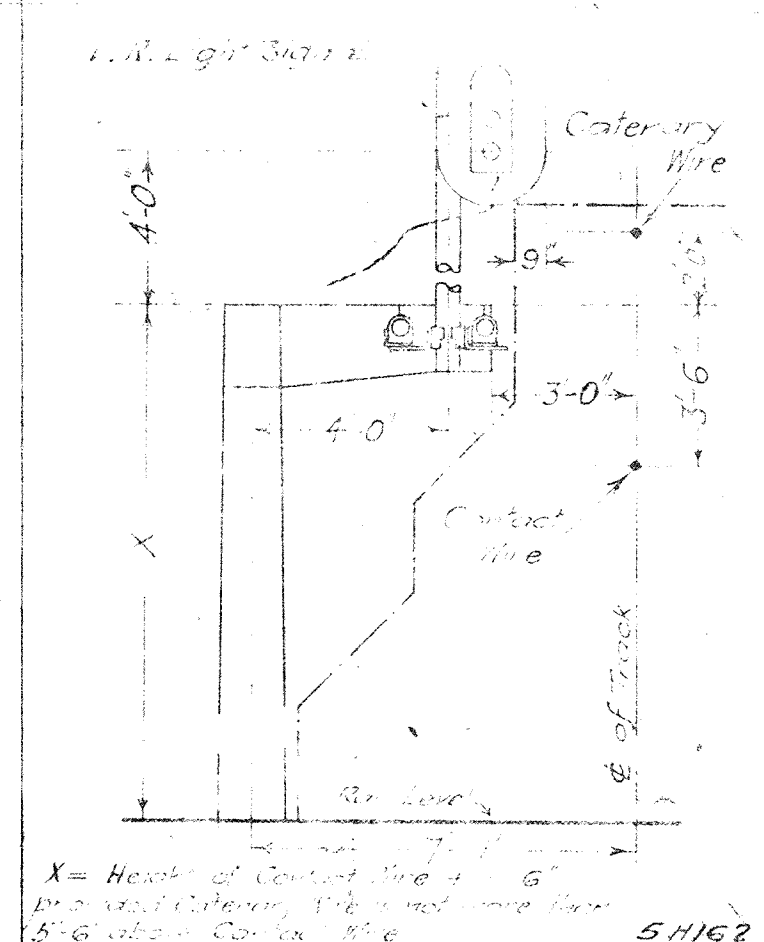
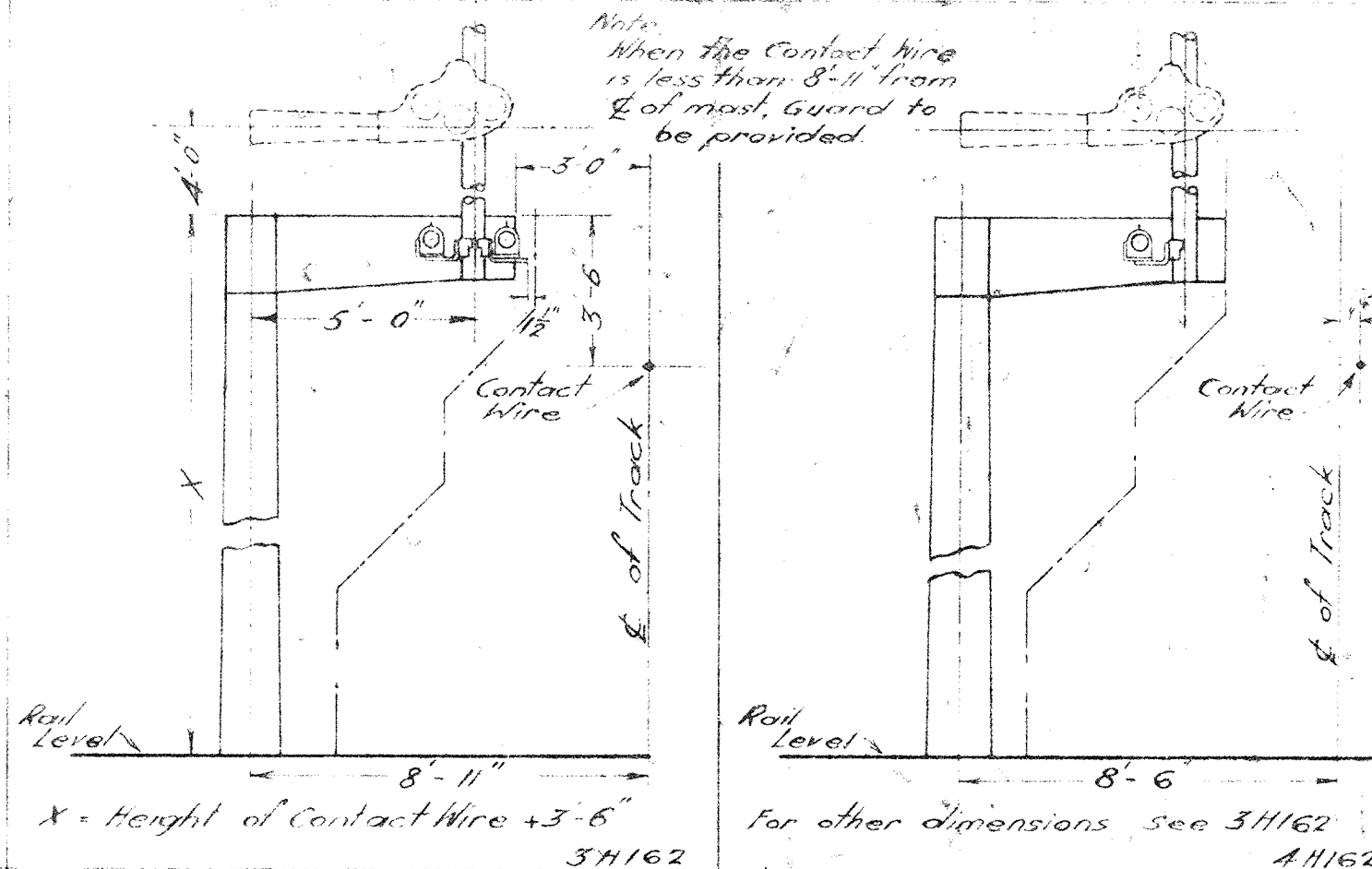
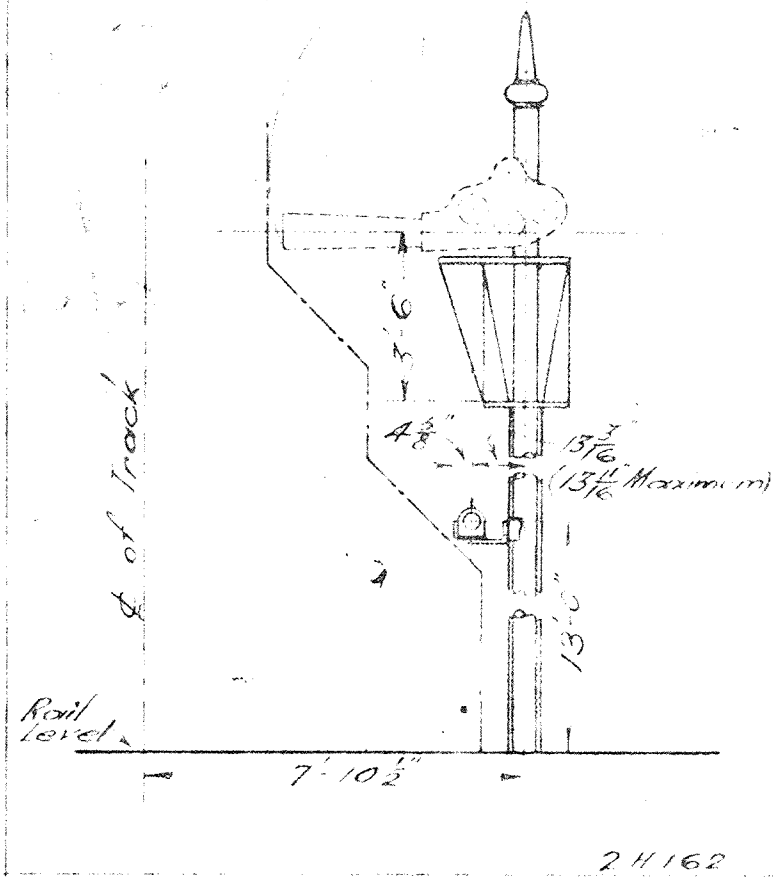
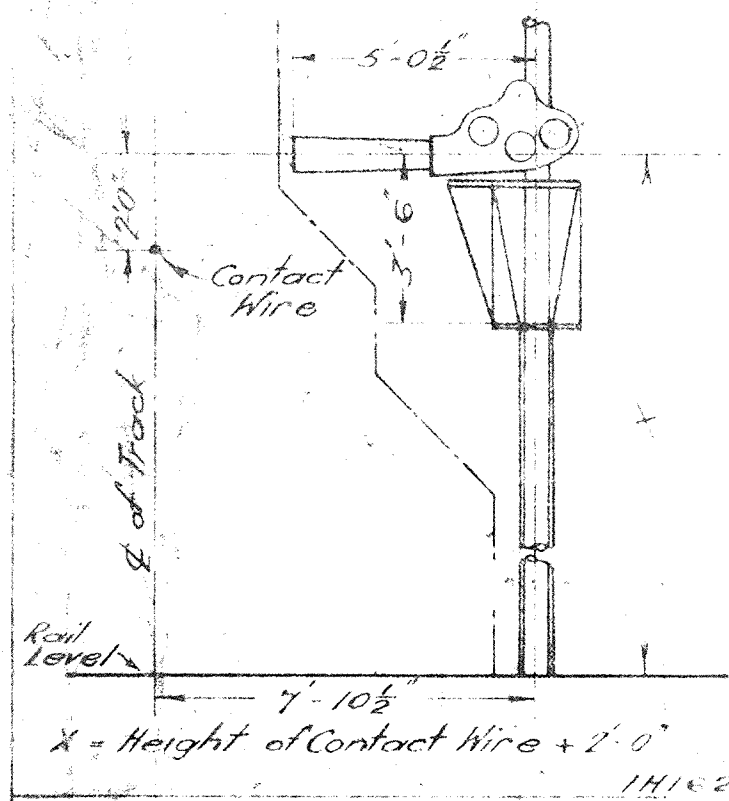
3061  
 3061  
 142-37  
 37-4

R.3061  
 371-4

Alteration No 1047	For Enamelling Instructions See H1106	2-12-40 Alteration No 468	27-3-34 Alteration No 290	25-0-27 Part No 4H156 added
-----------------------	--	---------------------------------	---------------------------------	--------------------------------------

**VICTORIAN RAILWAYS  
 SEMAPHORE BLADES  
 ENAMELLED STEEL  
 ASSEMBLY**

237-21  
 Engineer  
 of Signals  
 Designer  
 of Signals  
 Inspector  
 of Signals  
**H156**



NOTES:-  
Clearances shown are for Tangent Tracks, any other condition will require special consideration. Above Clearance Diagrams determine minimum heights for individual Limiting Factors, when determining minimum height of a signal all factors must be considered.  
Clearance Diagram for Electrified Area taken from P.Way drawing 1181-18\* Ordinary Clearance Diagram for Melbourne Suburban Radius taken from Way & Works Branch Book of Instructions

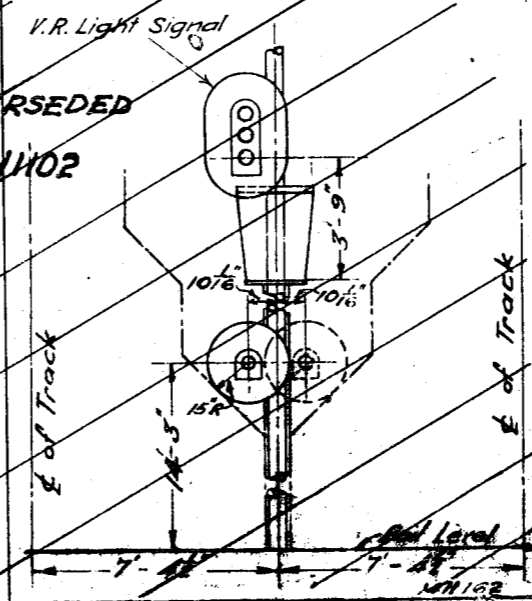
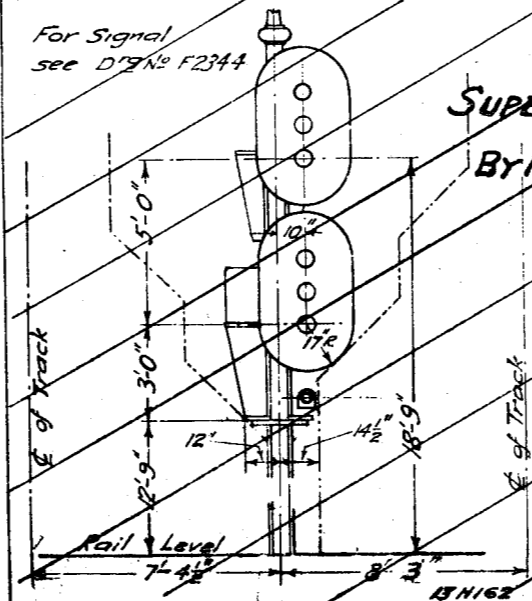
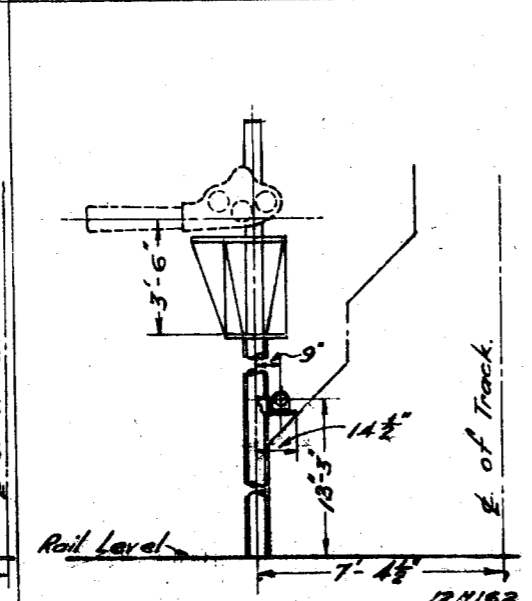
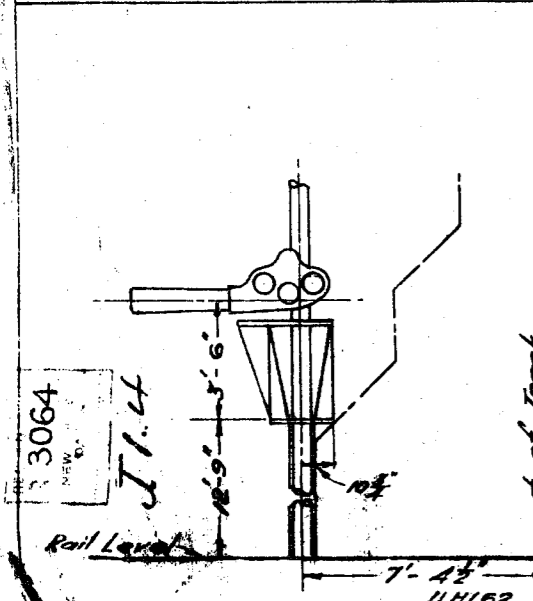
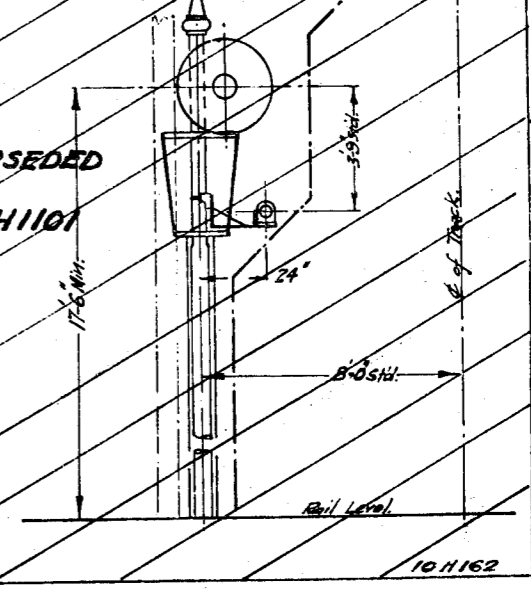
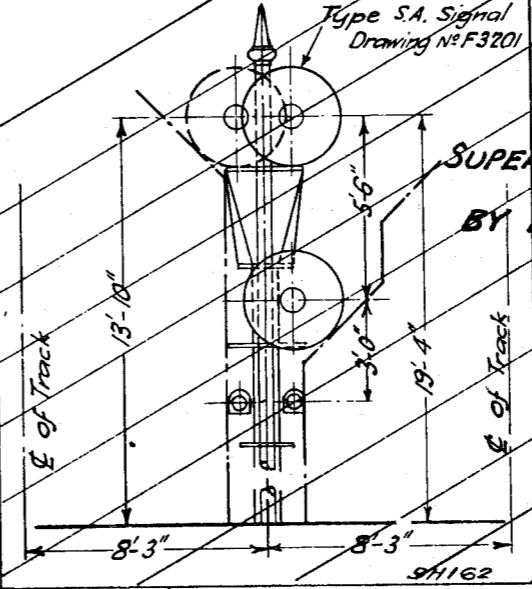
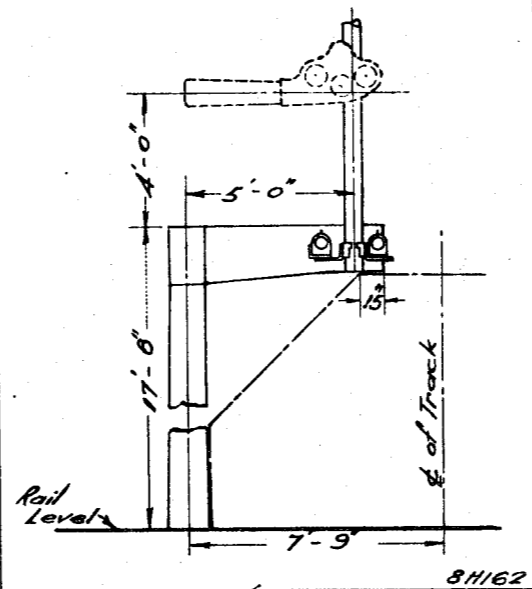
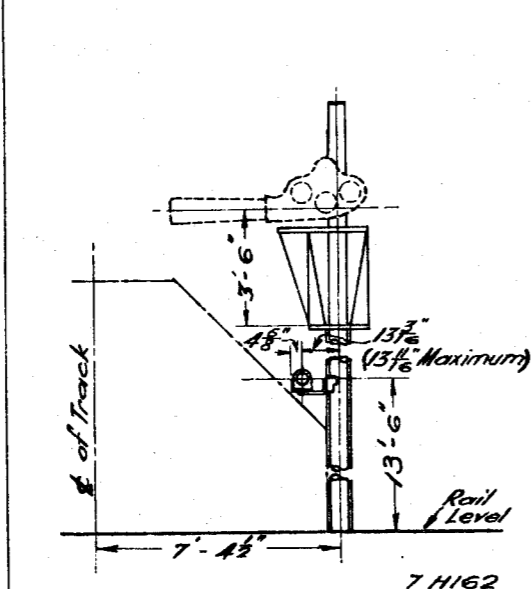
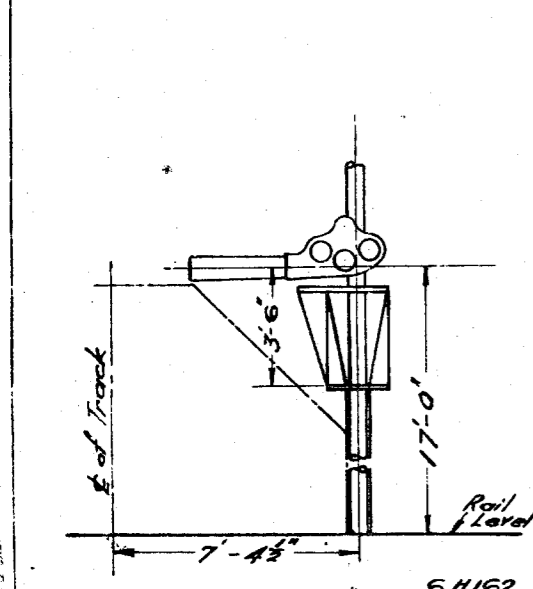
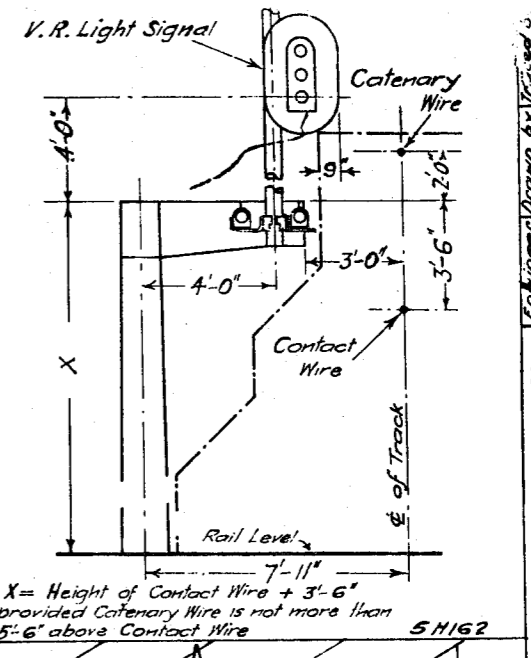
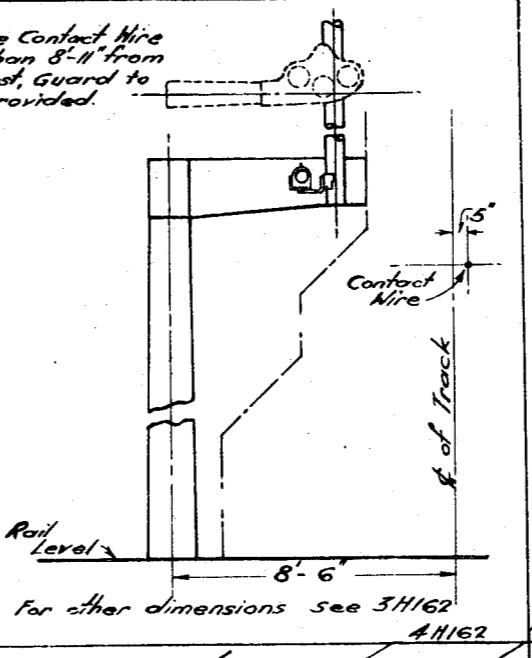
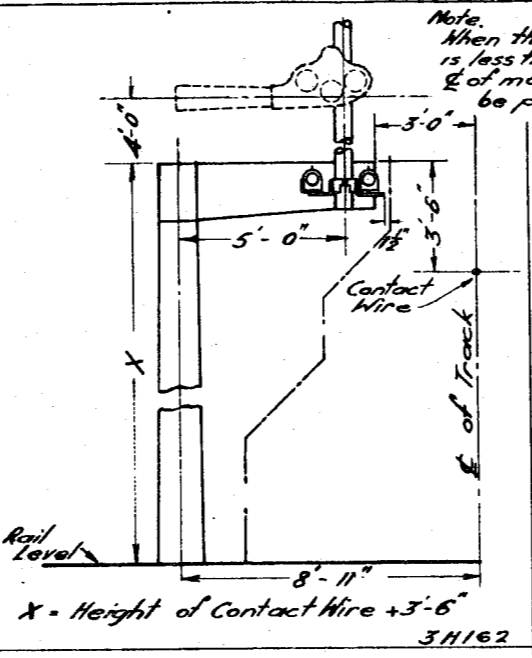
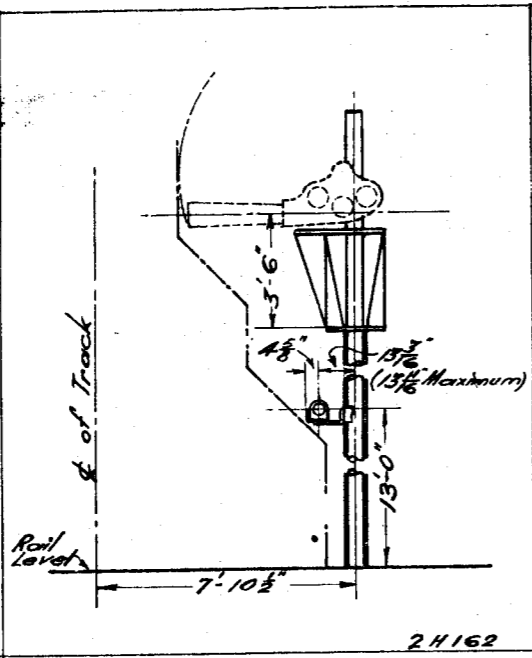
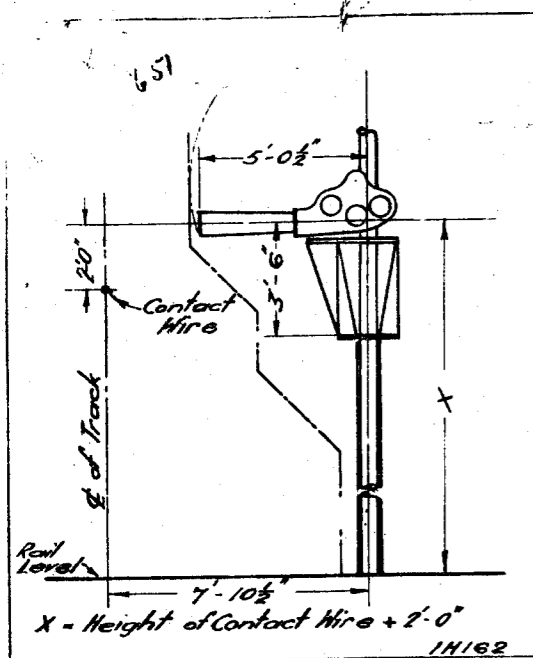
VICTORIAN RAILWAYS  
CLEARANCE DIAGRAMS FOR GROUND SIGNALS & SEMAPHORE (POWER) & LIGHT SIGNALS

19-12-23  
Diagram No. 5H162 added  
19-12-23  
Diagram No. 13H162 added  
19-12-23  
Diagram No. 2H162 added  
19-12-23  
Diagram No. 11H162 added

Dimensions revised for Minimum Structure Gauge Australian Railways Sid. 1923

1H162





NOTES:-  
Clearances shown are for Tangent Tracks, any other condition will require special consideration. Above Clearance Diagrams determine minimum heights for individual Limiting Factors, when determining minimum height of a signal all factors must be considered.  
Clearance Diagram for Electrified Area taken from P.Hay drawing 1181-18\* Ordinary Clearance Diagram for Melbourne Suburban Radius taken from Hay & Marks Branch Book of Instructions.

VICTORIAN RAILWAYS  
CLEARANCE DIAGRAMS  
FOR GROUND SIGNALS  
SEMAPHORE (POWER) & LIGHT

Engineer Drawn by Traced, F.M.H. Signals

H 162

Scale 1/4" = 1 foot

14-3-21

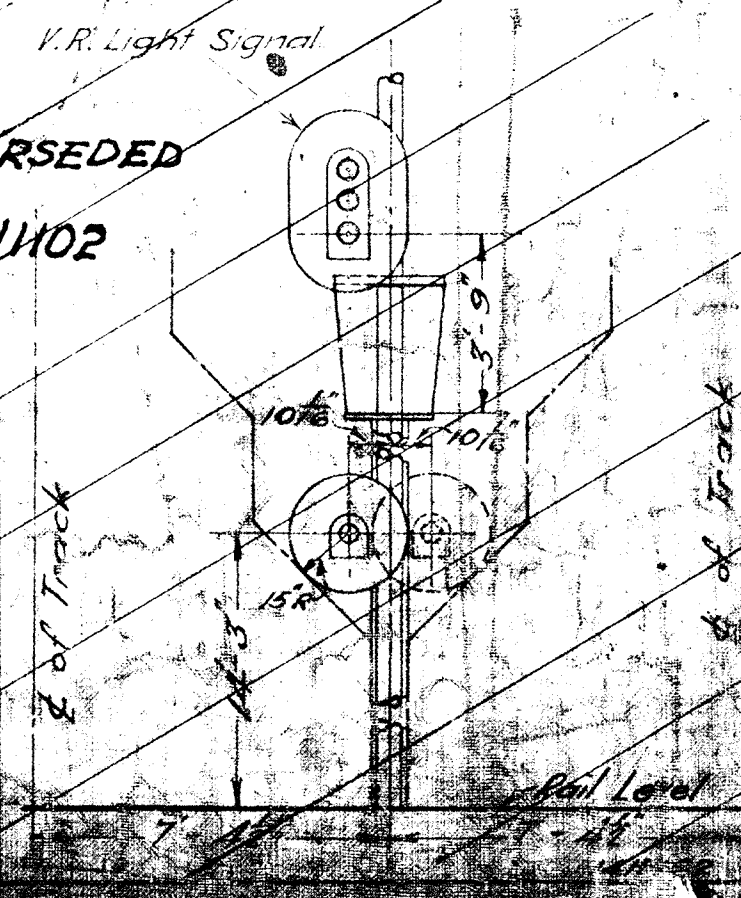
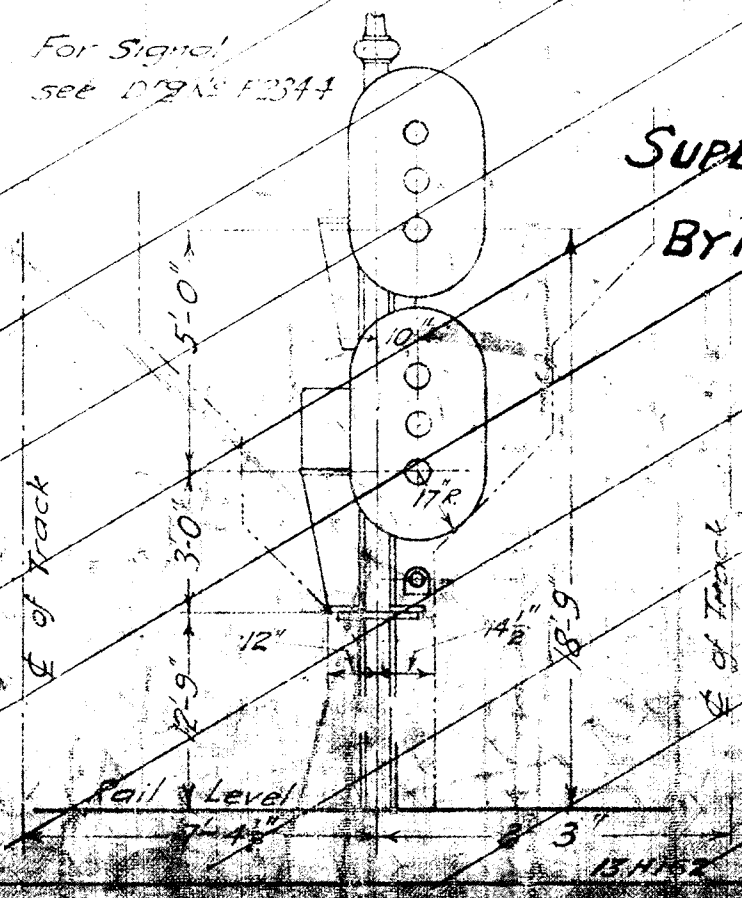
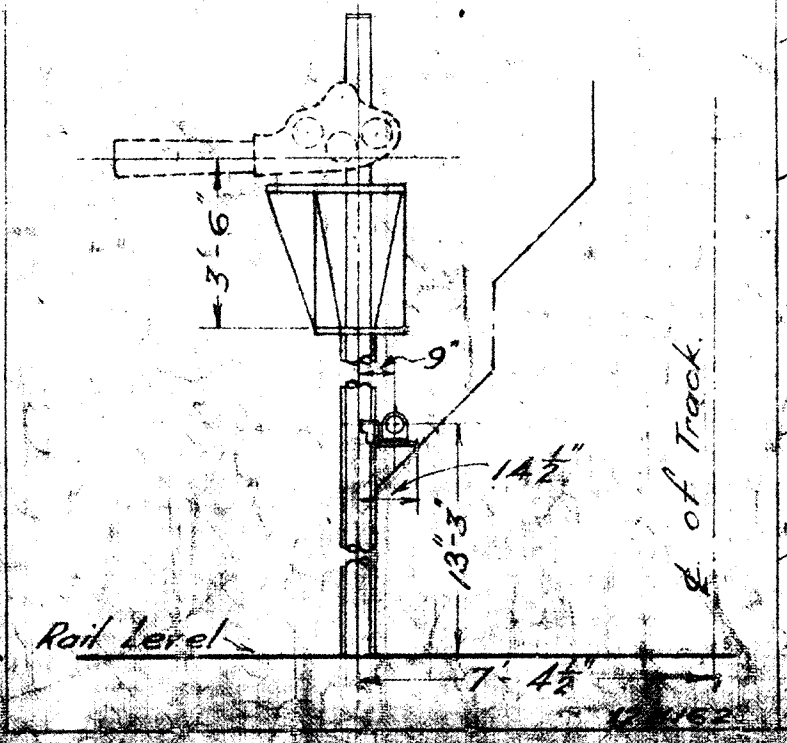
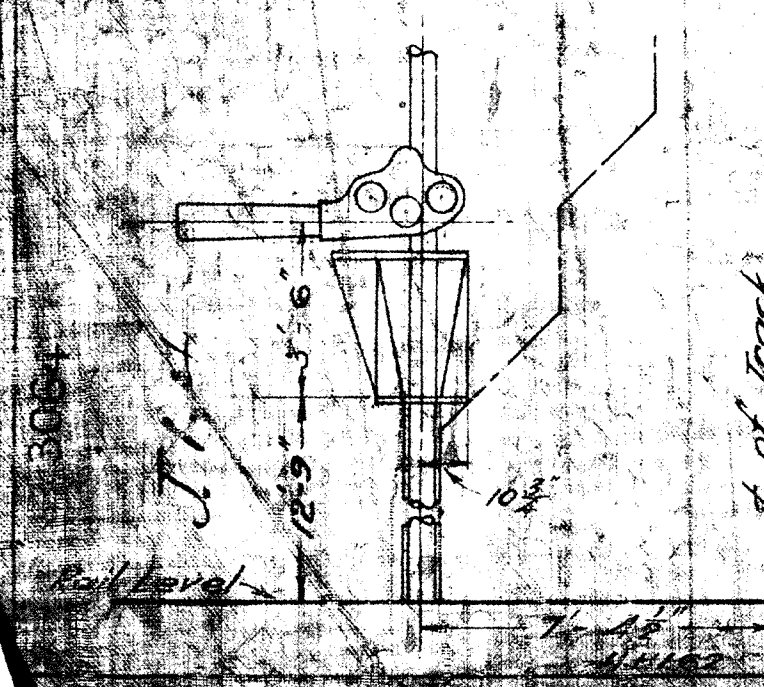
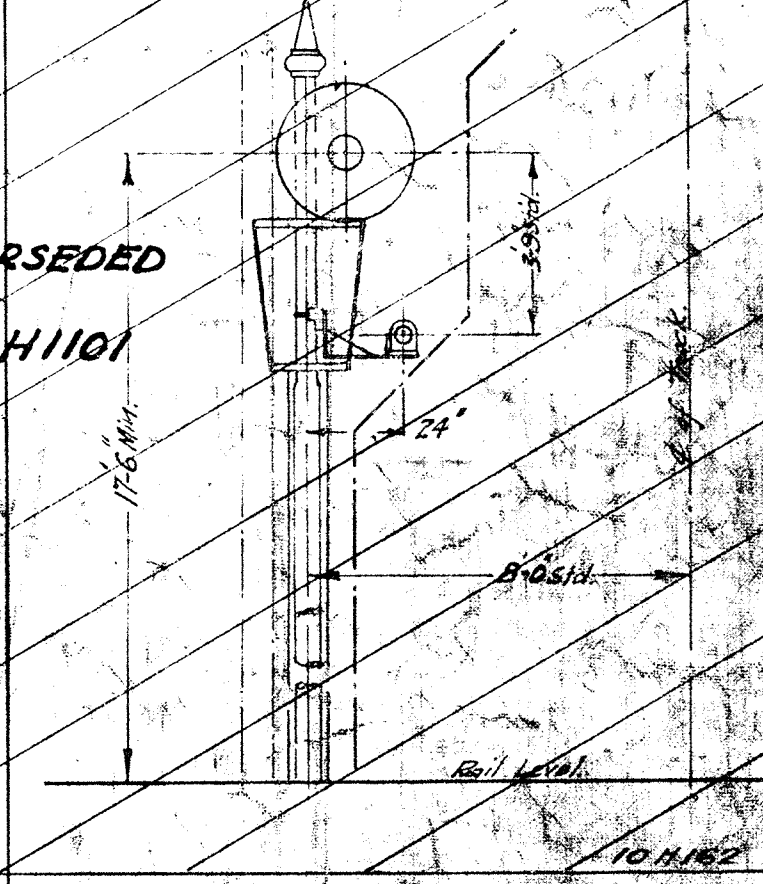
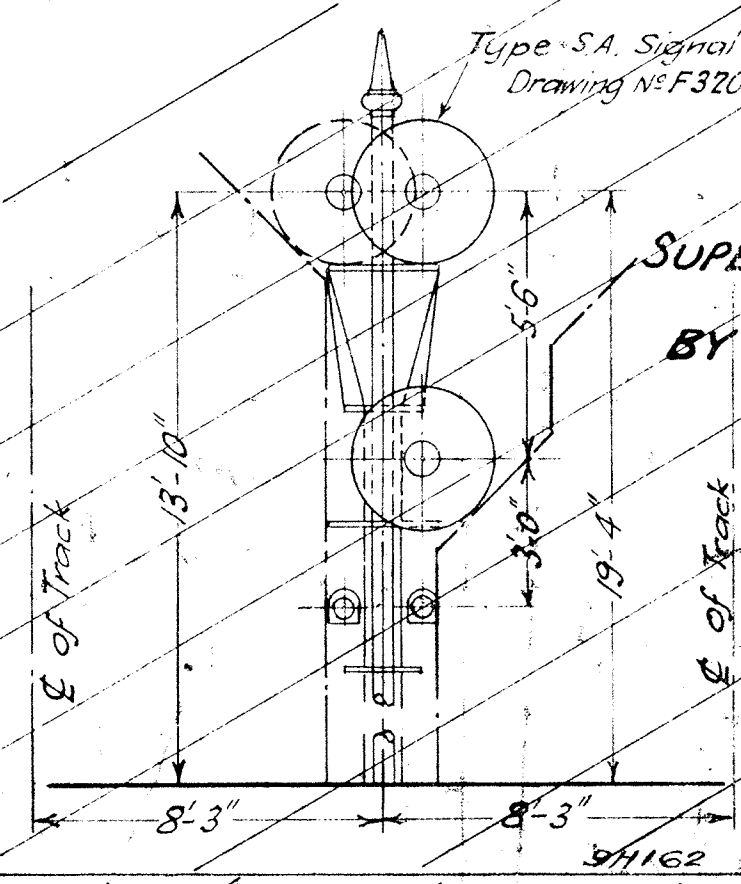
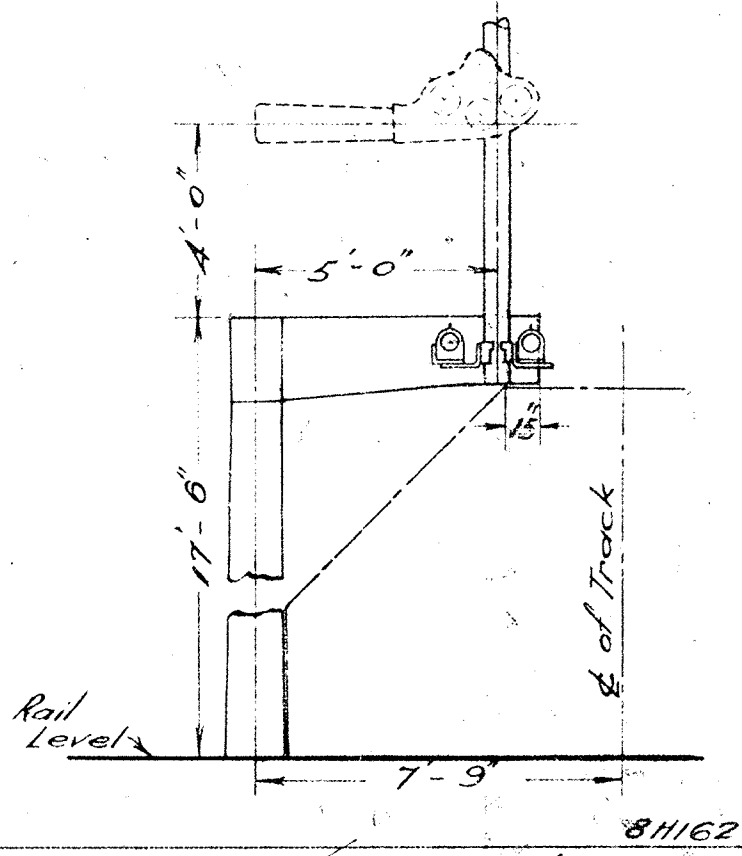
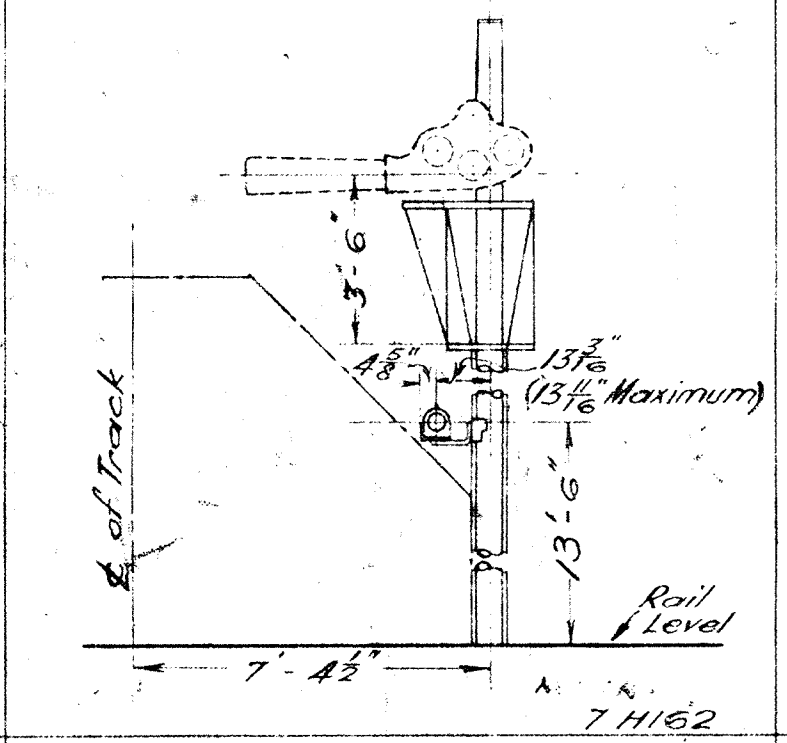
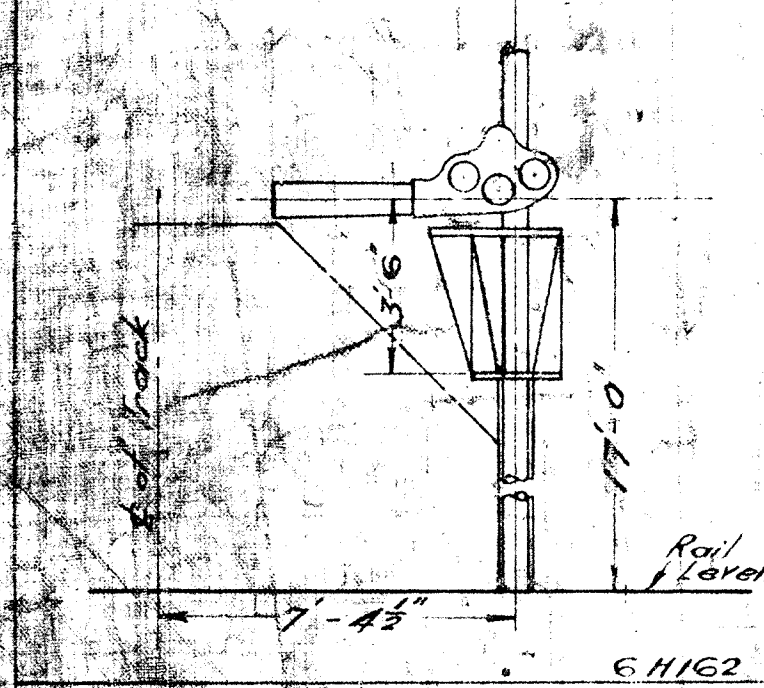
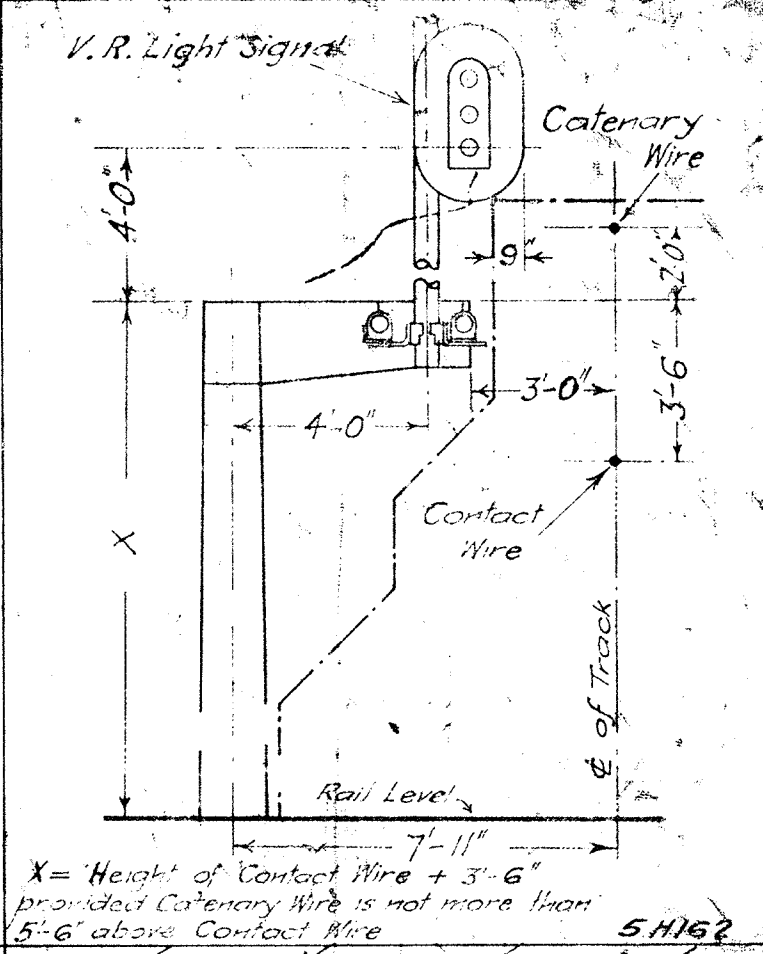
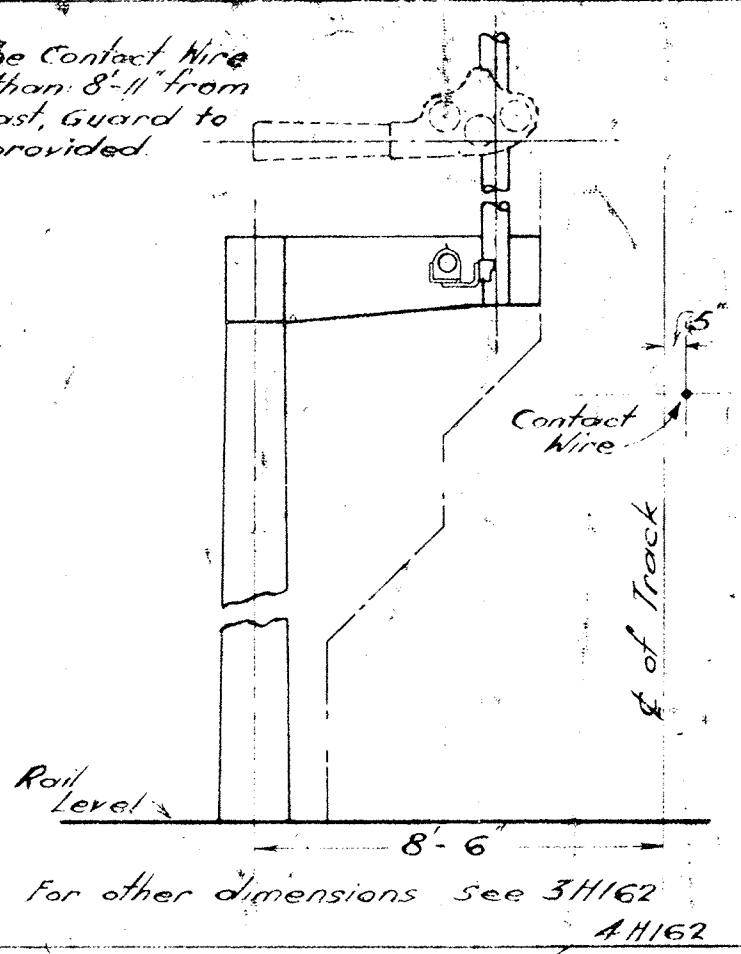
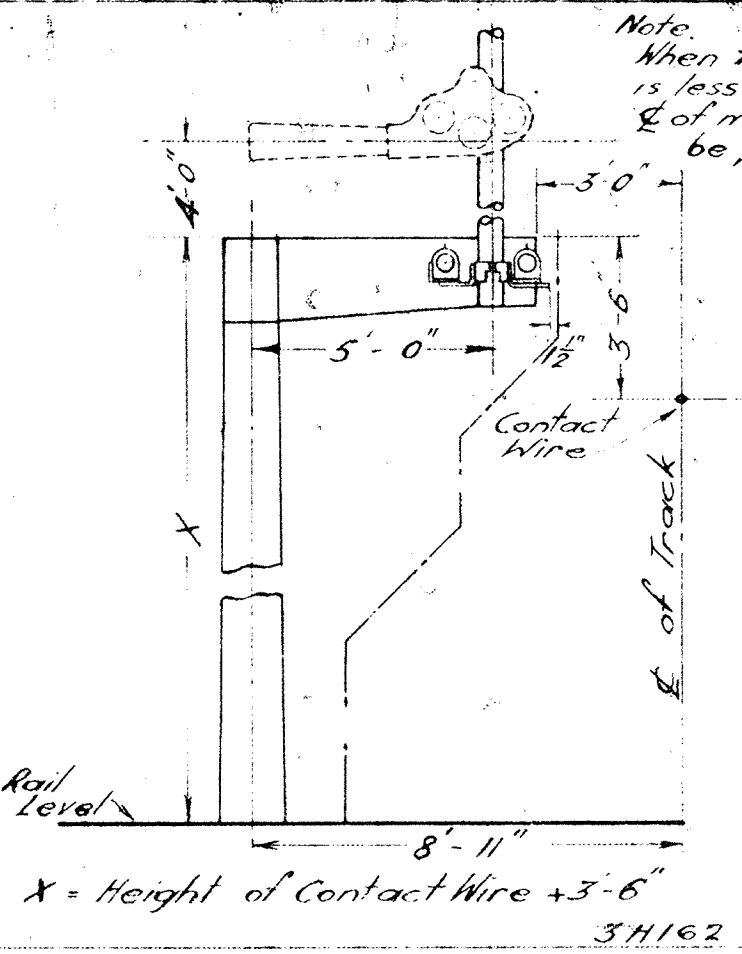
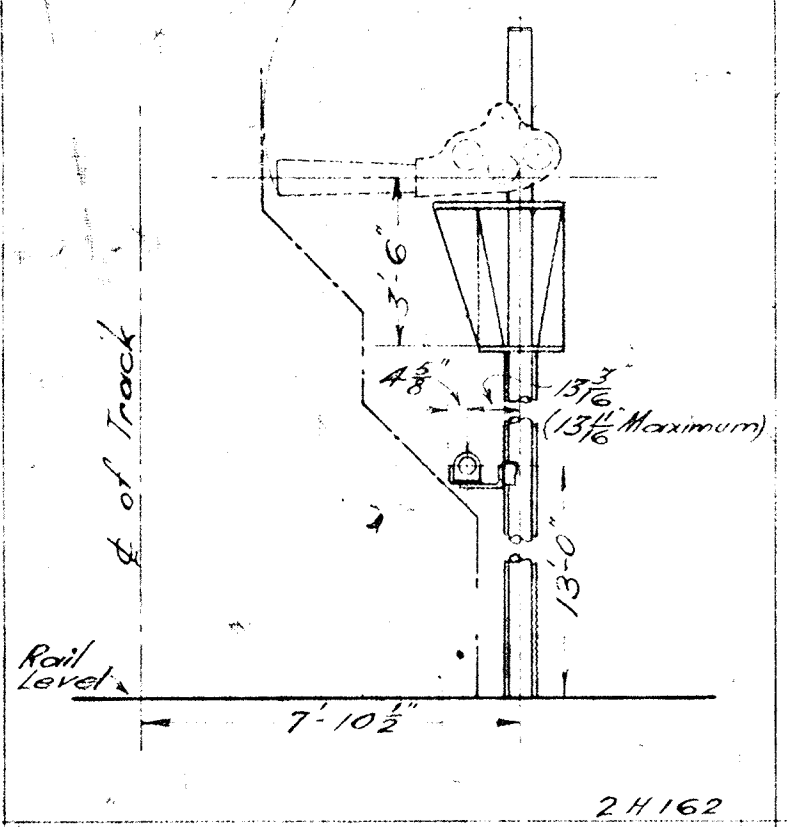
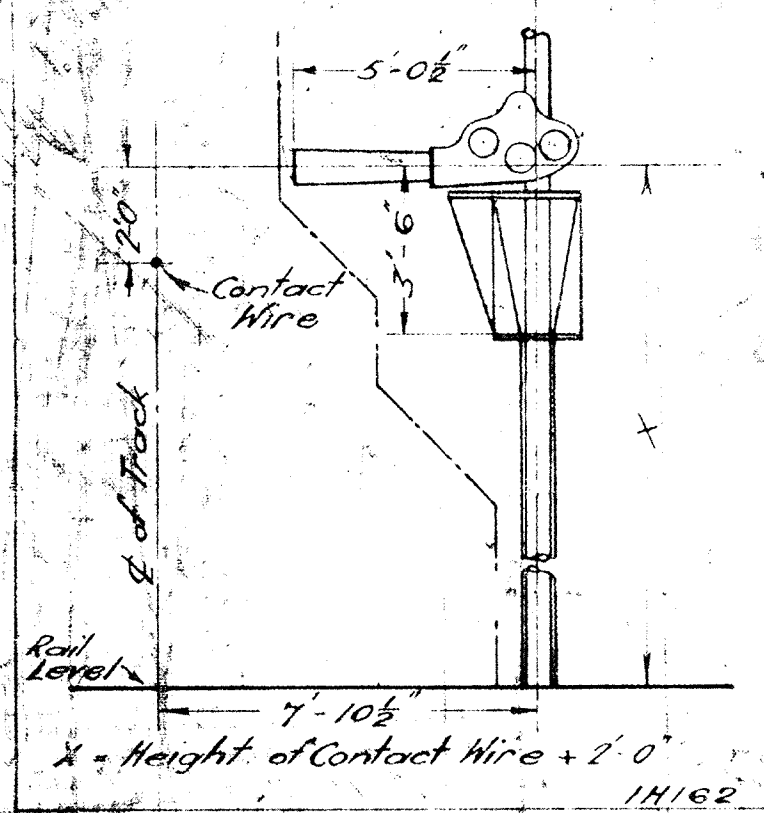
6-8-23. Dimensions revised for Minimum Structure Gauge Australian Railways Std 1923.

1	19-12-23	Diagram No 5H162 added
2	3-8-27	Diagram No 13H162 added
3	17-12-41	Diagram No 3H162 added
4	10-7-51	Diagram No 10H162 added
5	2-10-52	Diagram No 11H162 added

L.C.E. 30-11-51

98-10-162 Superseded by H1101. 98-10-162 Superseded by H1102. 98-10-162

H 162



NOTES -  
Clearances shown are for tangent tracks, any other conditions will require special consideration. Above clearance diagrams determine minimum heights for individual limiting factors, when determining minimum height of a signal all factors must be considered.  
Clearance Diagram for Electrified Area taken from P.Way drawing 1181-18.  
Ordinary Clearance Diagram for Melbourne Suburban Railway taken from Way & Works Branch Book of Instructions.

VICTORIAN RAILWAYS  
CLEARANCE DIAGRAMS  
FOR GROUND SIGNALS  
& LIGHT  
SIGNALS (POWER) & LIGHT  
SIGNALS

Engineer Drawn by [Name] Checked by [Name] Signals FWH  
Scale: 1/2" = 1'-0"

DATE: 30-11-1915  
Supervised by [Name] 9810H162  
Checked by [Name]  
Checked by [Name]

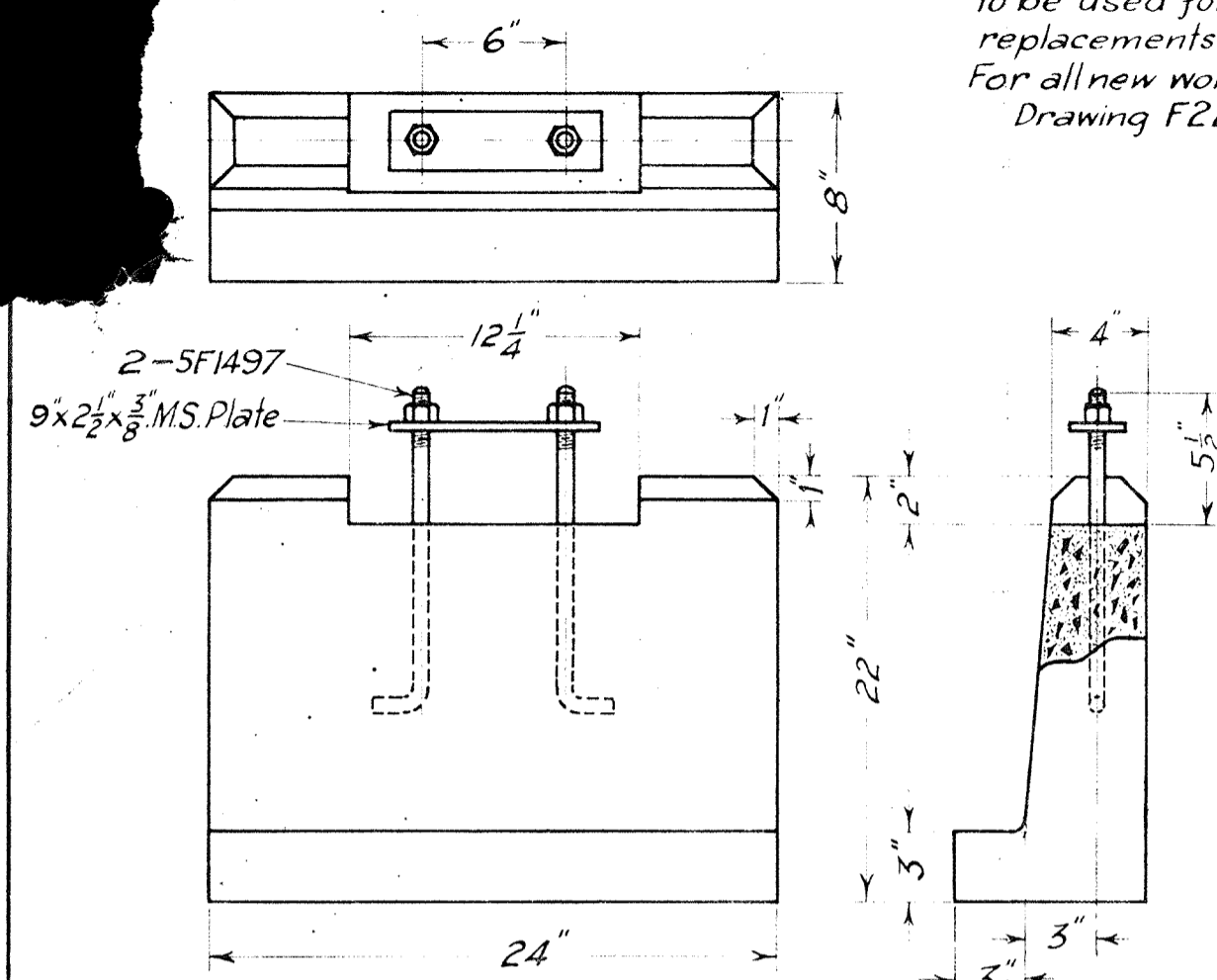
19-12-23  
Dimensions revised for  
Minimum Structure Guide  
Australian Railway 518  
1915

3 7-11-21  
3 8-27  
3 9-27

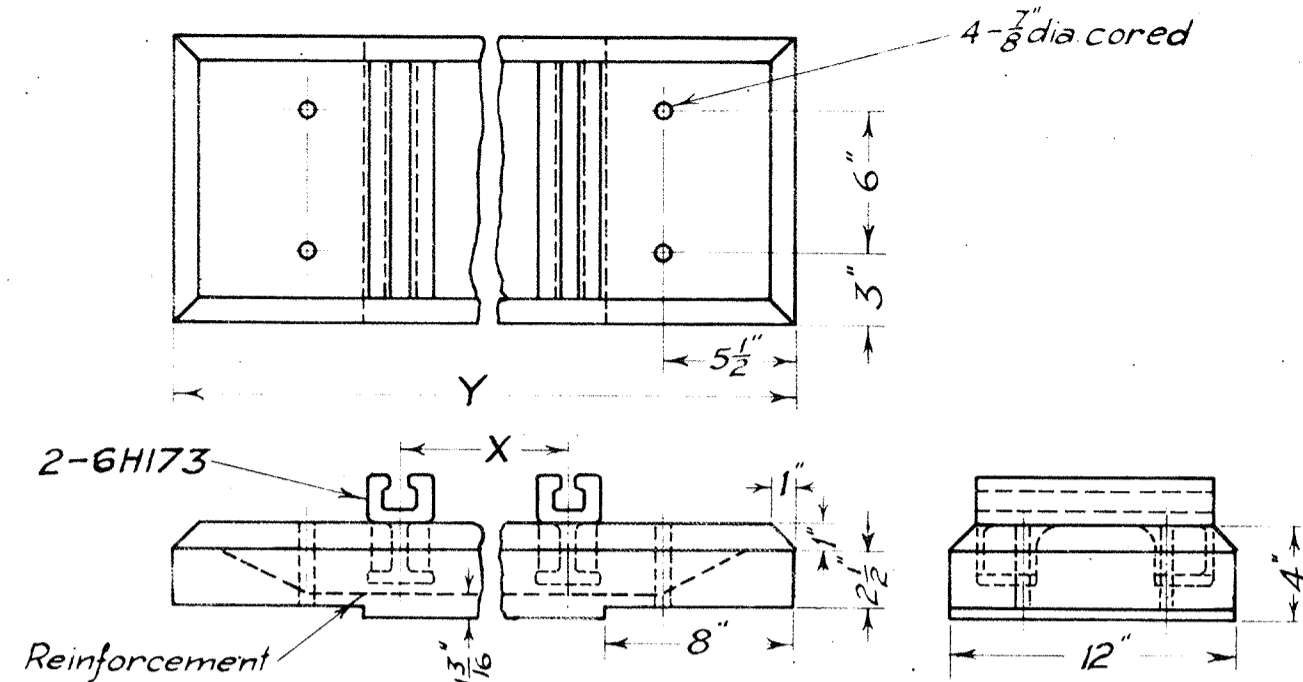
26  
26  
26

H 162  
1-3-21

NOTE.  
To be used for  
replacements only.  
For all new work see  
Drawing F2232

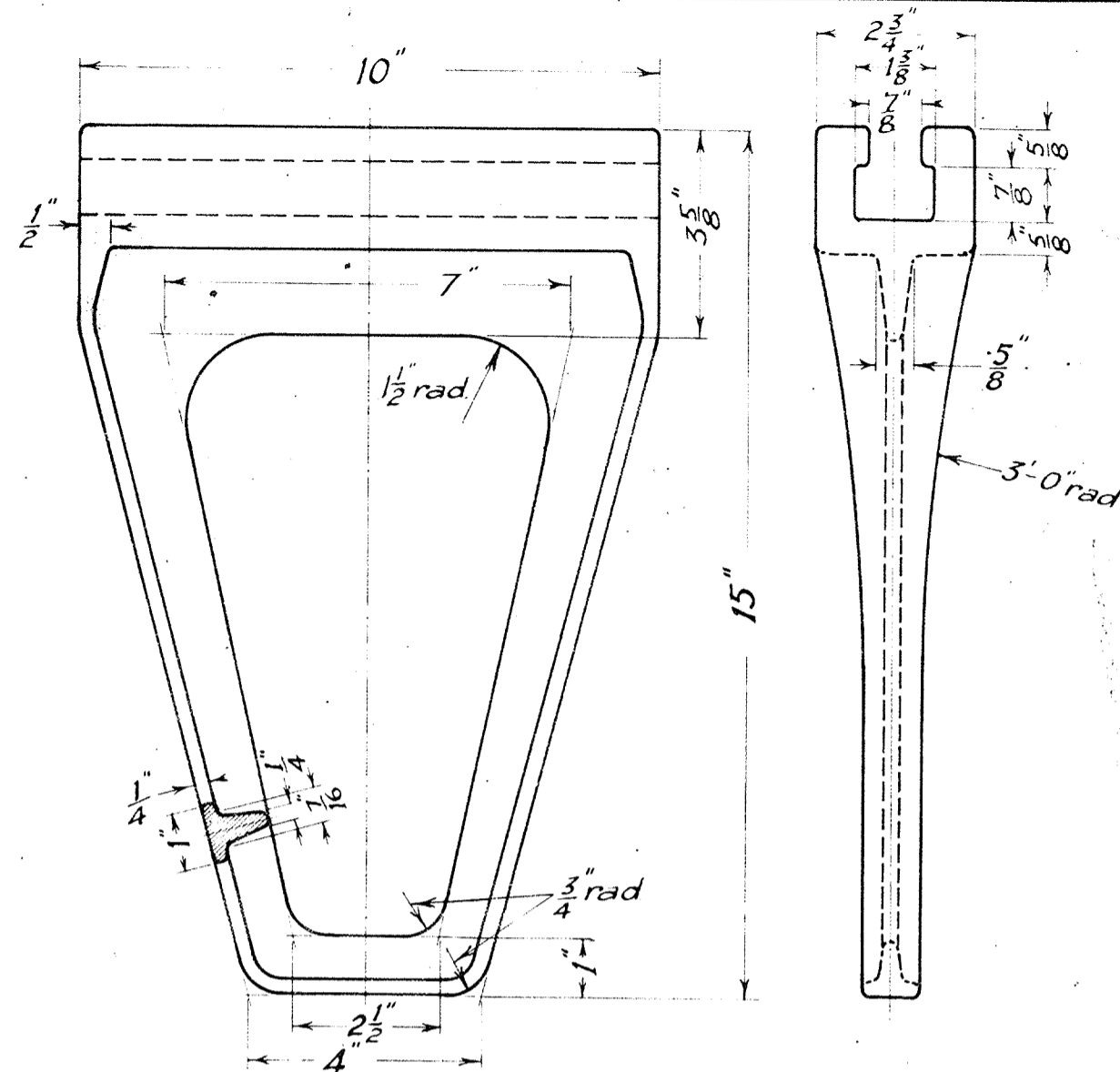


4-11-26  
29-10-24/Alt. N°86  
12-1-22/Alt. N°16  
Concrete  
**END BLOCK**



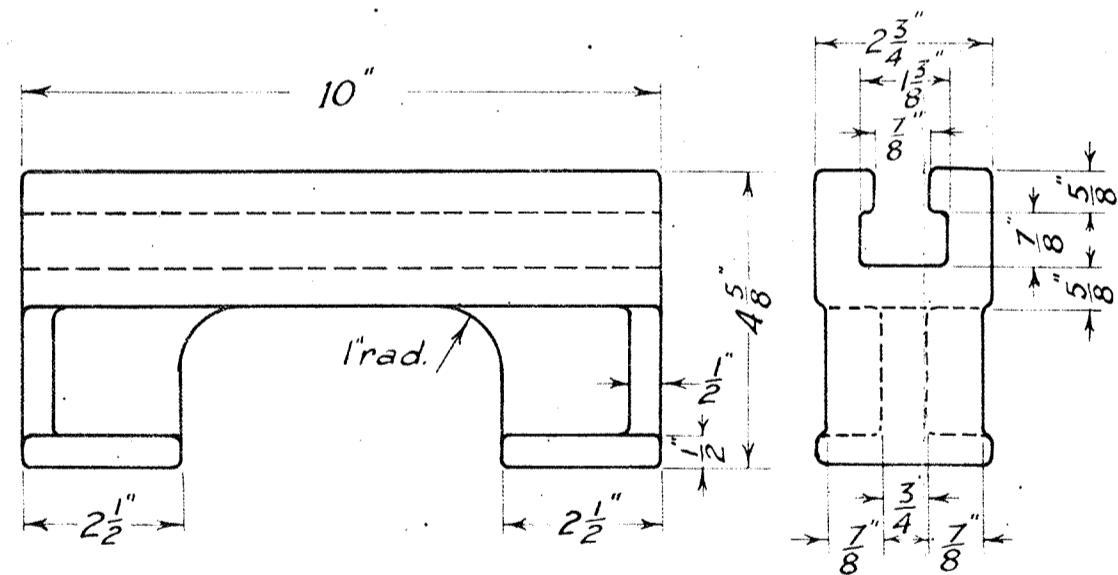
2HI73 Crank Slab X = 7" Y = 3'-0"  
3HI73 Compensator Slab N.P. X = 2'-7 1/8" Y = 3'-11"  
4HI73 " " O.P. X = 17" Y = 3'-0"  
5HI73 Lever Slab X = 12 1/2" Y = 3'-0"

4-11-26  
21-6-26/Alt. N°143  
29-10-24/Alt. N°86  
10-7-23/Alt. N°51  
12-1-26/Alt. N°16  
Supplied with:- 4-3/4" Sq. Hd. Bolts, 2 1/2" long  
Concrete  
**SLABS**

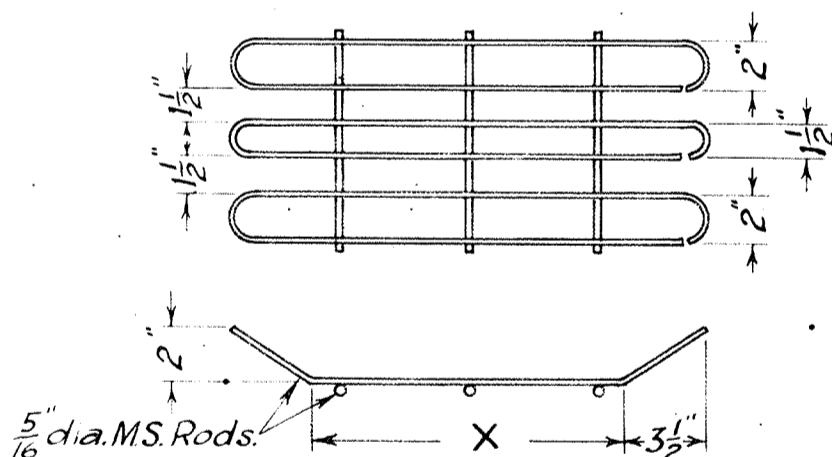


5HI73  
4HI73  
3HI73  
2HI73  
4-11-26  
C.I.  
**ANCHOR POST**

13HI73

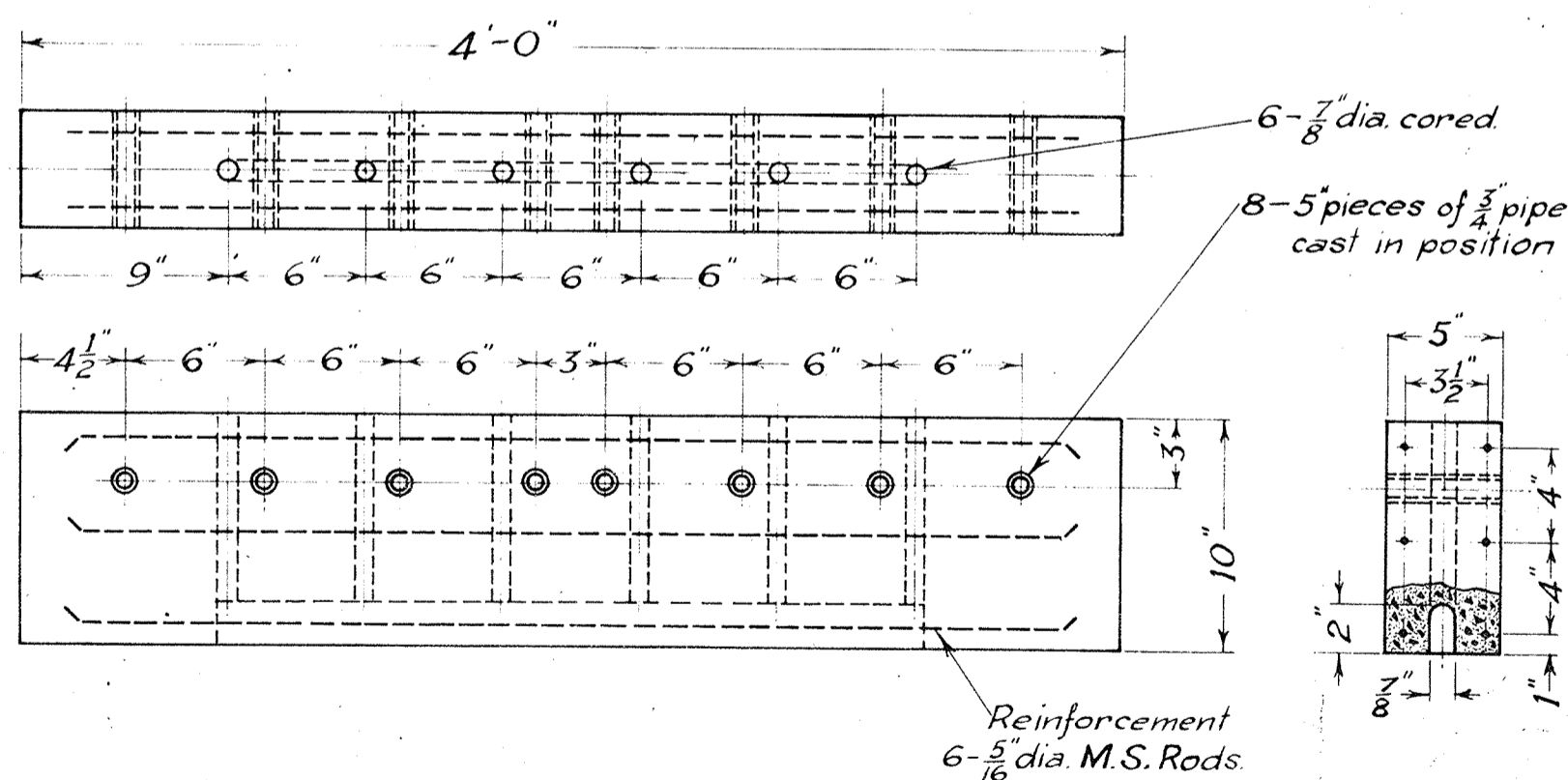


4-11-26  
C.I.  
**ANCHOR POST**



7HI73 Crank Slab X = 2'-1"  
8HI73 Compensator Slab N.P. X = 3'-0"  
9HI73 " " O.P. X = 2'-1"  
10HI73 Lever Slab X = 2'-1"

4-11-26  
29-10-24/Alt. N°86  
10-7-23/Alt. N°51  
12-1-22/Alt. N°16  
M.S.  
**REINFORCEMENT**



Concrete  
**BEARERS**

12HI73

Redrawn including Alterations N°16  
51, 86, 143 & 150. Part N° 11HI73 trans-  
ferred to Part N° 5F1497. Part N°  
13HI73 added.  
Original title "Concrete Slab  
Foundations, for Cranks, Compensators  
& Point Levers," dated 10-8-21.

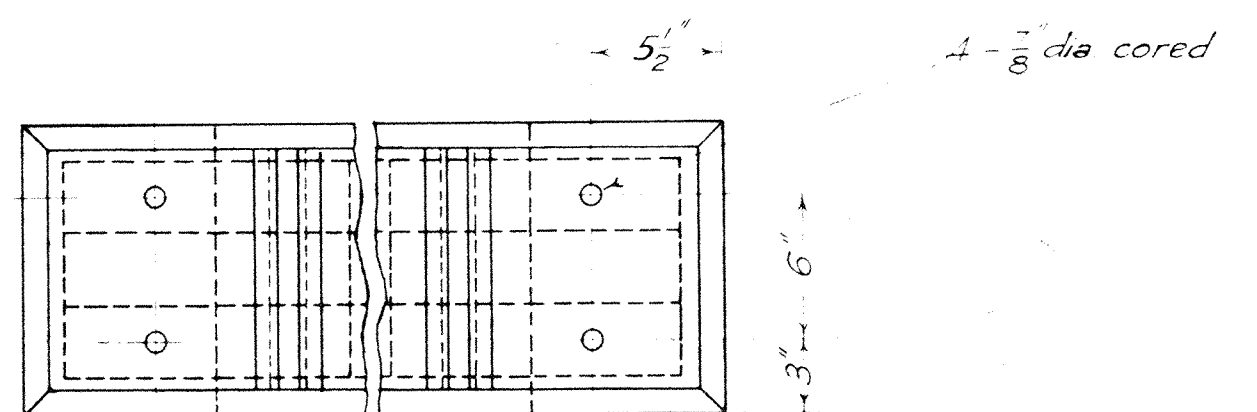
VICTORIAN RAILWAYS  
**CONCRETE FOUNDATIONS  
AND ANCHOR POSTS  
FOR CRANKS ETC.**

Chief Eng. L.J.P.  
Sigs. & Tels. L.J.P.  
Traced by L.J.P.

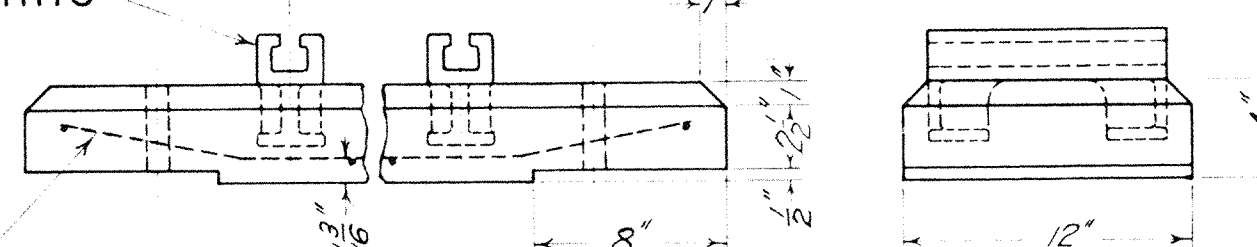
4-11-26

**HI73**





2-6 HI73



7 HI73 FOR 2 HI73, 4 HI73, & 5 HI73  
8 HI73 " 3 HI73

X = 7" Y = 3'-3" - 2 HI73  
X = 2'-7 1/8" Y = 4'-5" - 3 HI73  
X = 17" Y = 3'-3" - 4 HI73  
X = 12 1/2" Y = 3'-3" - 5 HI73

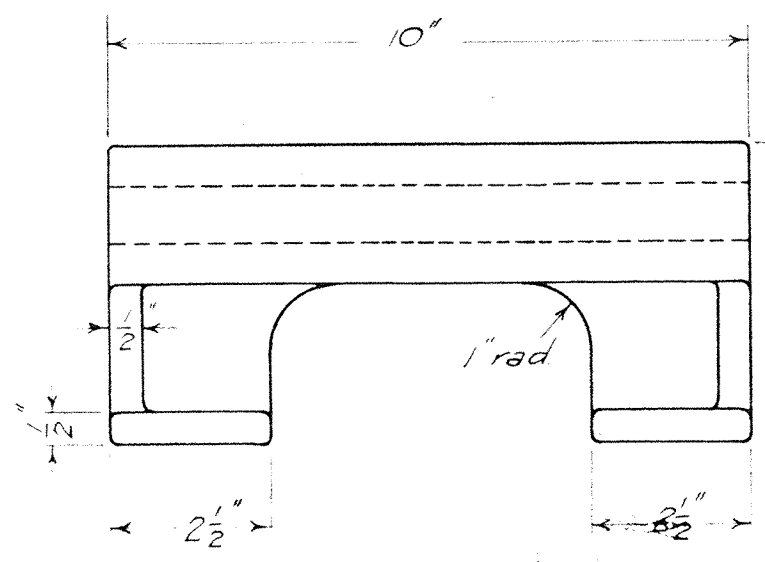
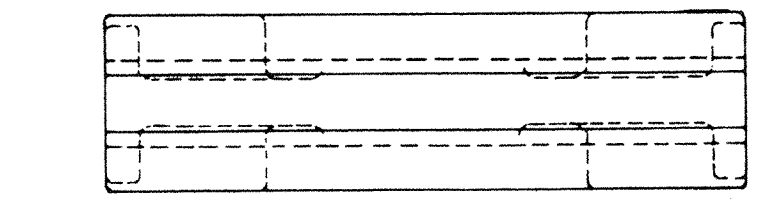
Supplied with 4 - 3/4" Sq. Hd Bolts 2 1/2" long

ALTS. No 16, 51,  
86, 143, & 204.  
6-10-30

CONCRETE  
SLABS

FOR LEVER 5 HI73  
" COMPENSATOR O.P. 4 HI73  
" " N.P. 3 HI73  
" CRANK 2 HI73

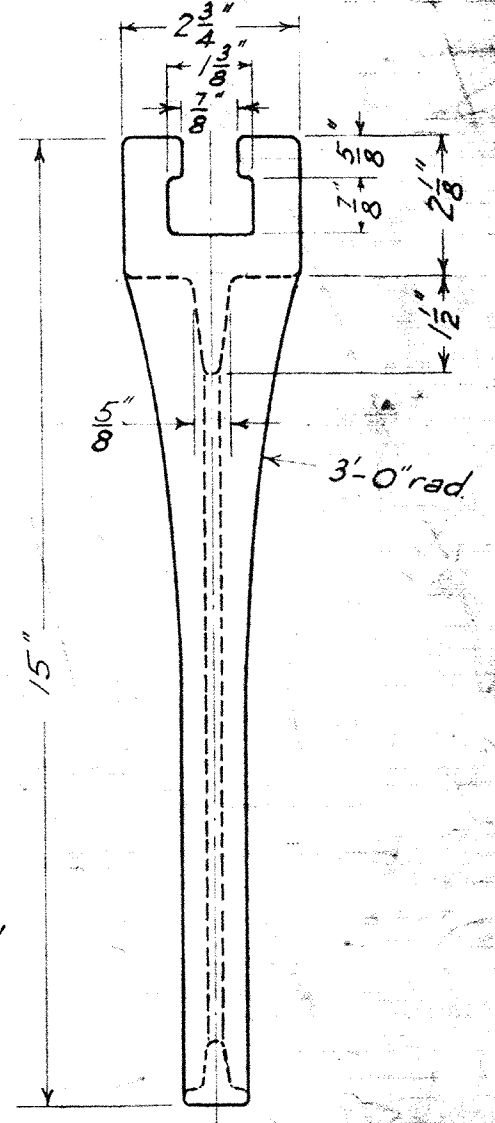
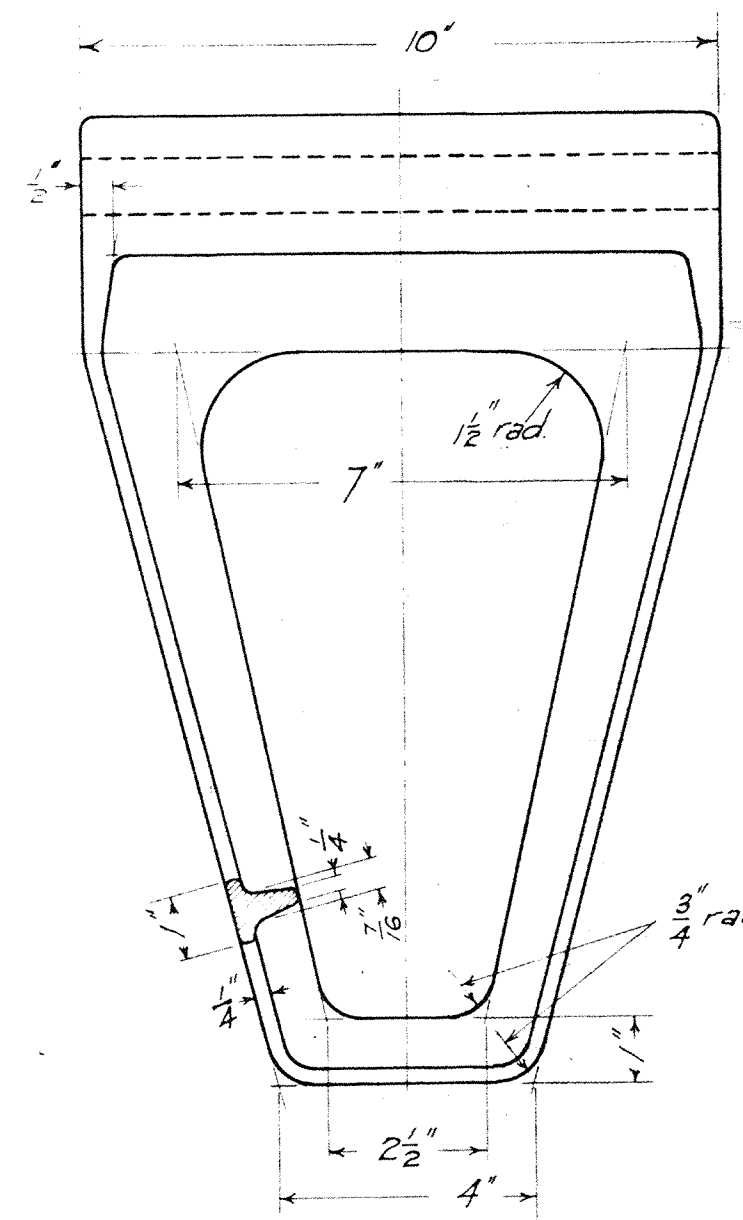
6-10-30



C.I.  
ANCHOR POST

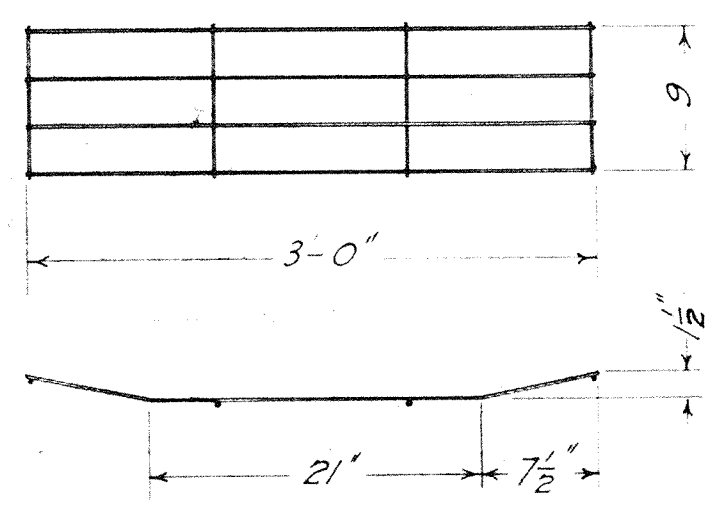
6 HI73

6-10-30



C.I.  
ANCHOR POST

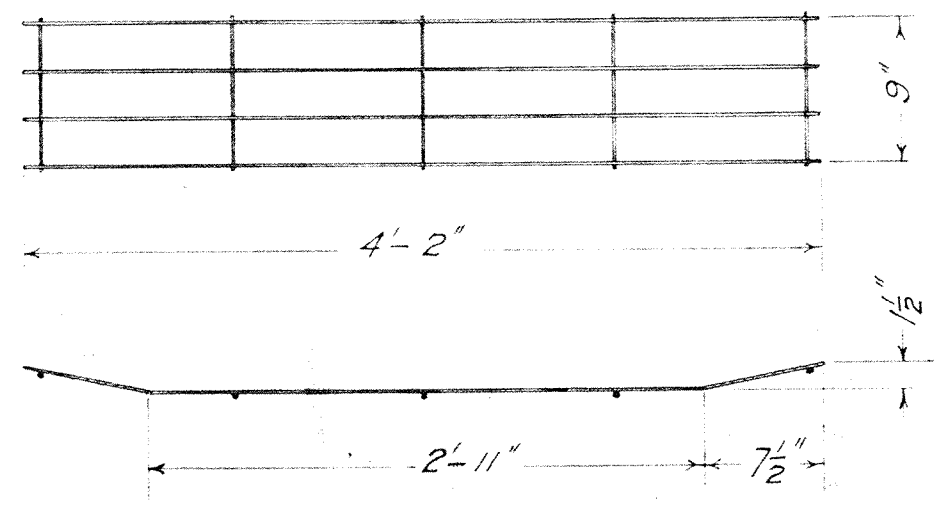
13 HI73



B.R.C. FABRIC REF. No II  
REINFORCEMENT

7 HI73

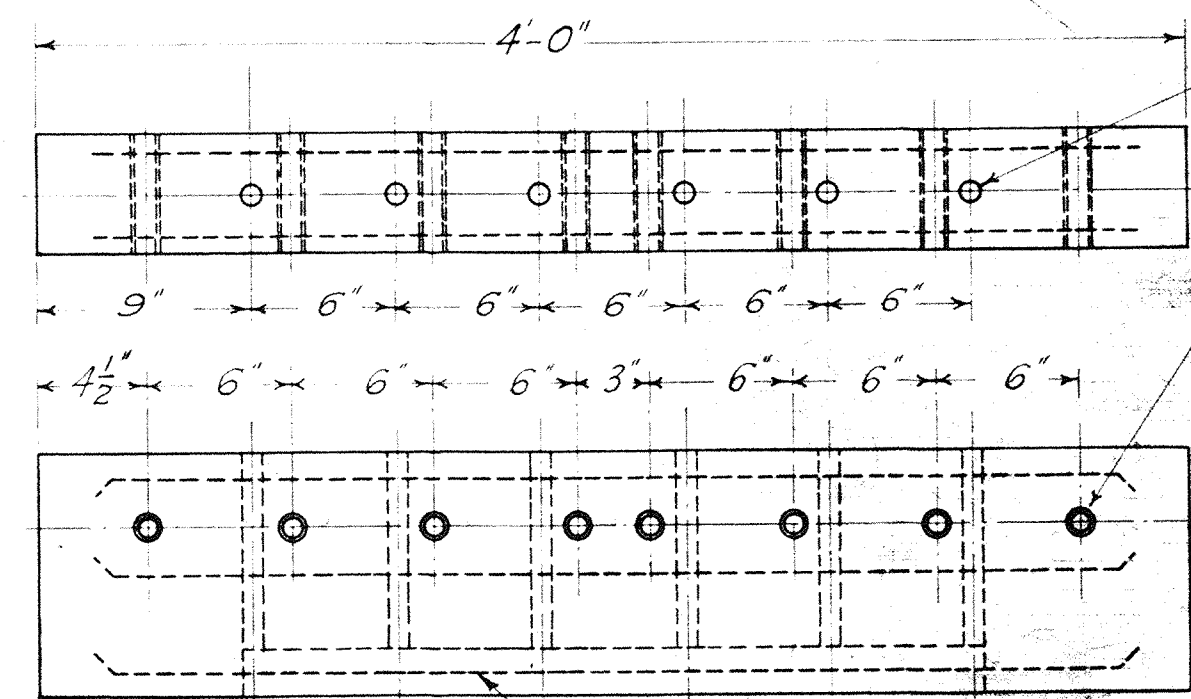
ALTS. No 16, 51,  
86, & 204.  
6-10-30/ALT No 255



B.R.C. FABRIC REF. No II  
REINFORCEMENT

8 HI73

ALTS. No 16, 51,  
86, & 204  
6-10-30/ALT No 255



CONCRETE  
BEARER

12 HI73

ALT. No 150  
6-10-30

REDRAWN INCLUDING  
REVISION OF 4-11-26 AND  
ALTERATIONS No 204 &  
255  
PART No IH173 CANCELLED

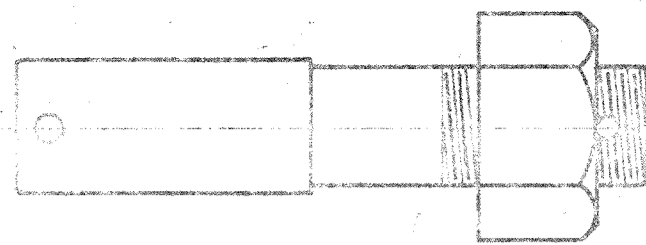
VICTORIAN RAILWAYS  
CONCRETE FOUNDATIONS  
AND ANCHOR POSTS  
FOR CRANKS ETC.

CHIEF ENG. S.C.O.  
DRAWN BY S.C.O.  
TRACED BY S.C.O.

H 173

6-10-30

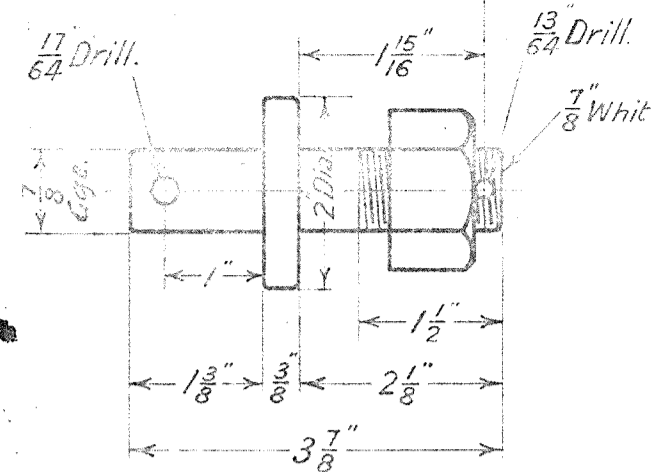
RECORD  
R 3074  
2 2 37



FOR DIMENSIONS SEE F2753

M.S. STUD

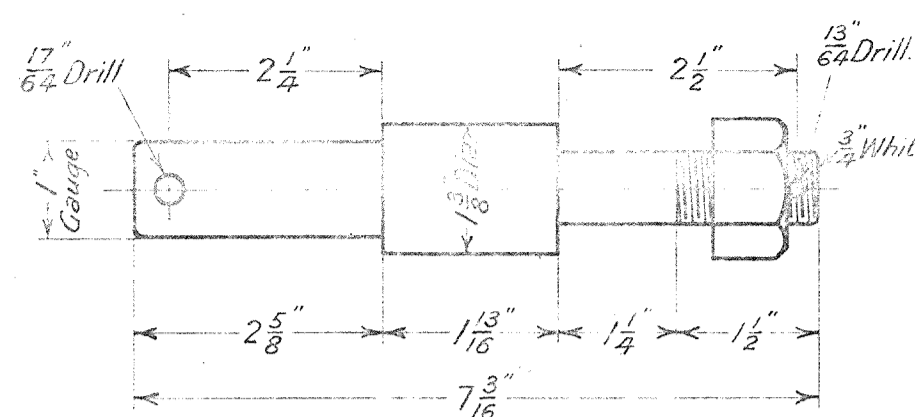
11H183  
7H183  
4H183  
2H183  
1H183



To be supplied with 1- $\frac{1}{4}$ " Split Pin,  
1- $\frac{3}{16}$ " Split Pin, 1- $\frac{1}{2}$ " Washer, 1- $\frac{3}{8}$ " Nut.

M.S. STUD

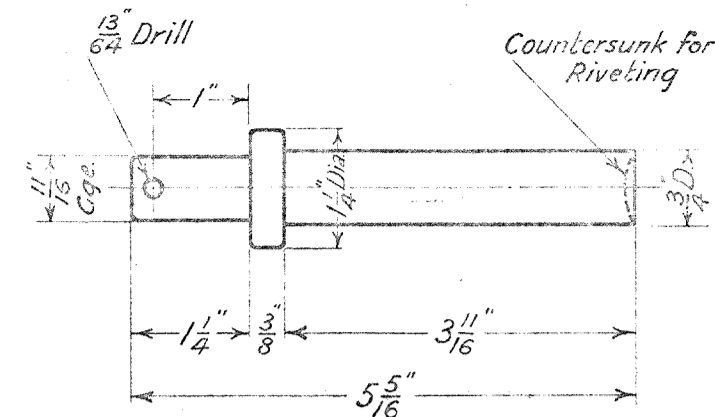
3H183



To be supplied with 1- $\frac{1}{4}$ " Split Pin, 1- $\frac{3}{16}$ " Split Pin,  
1-1" Washer, 1- $\frac{3}{4}$ " Nut.

M.S. STUD

5H183



To be supplied with 1- $\frac{3}{16}$ " Split Pin,  
1- $\frac{3}{4}$ " Washer.

M.S. STUD

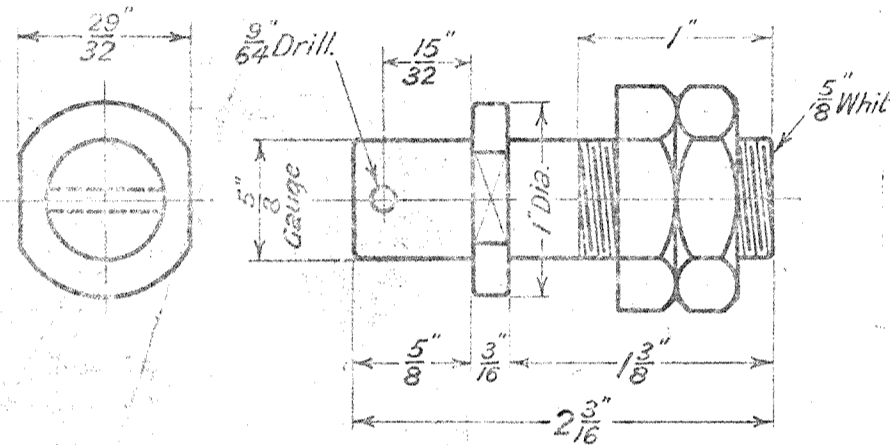
6H183



FOR DIMENSIONS SEE F2754

M.S. STUD

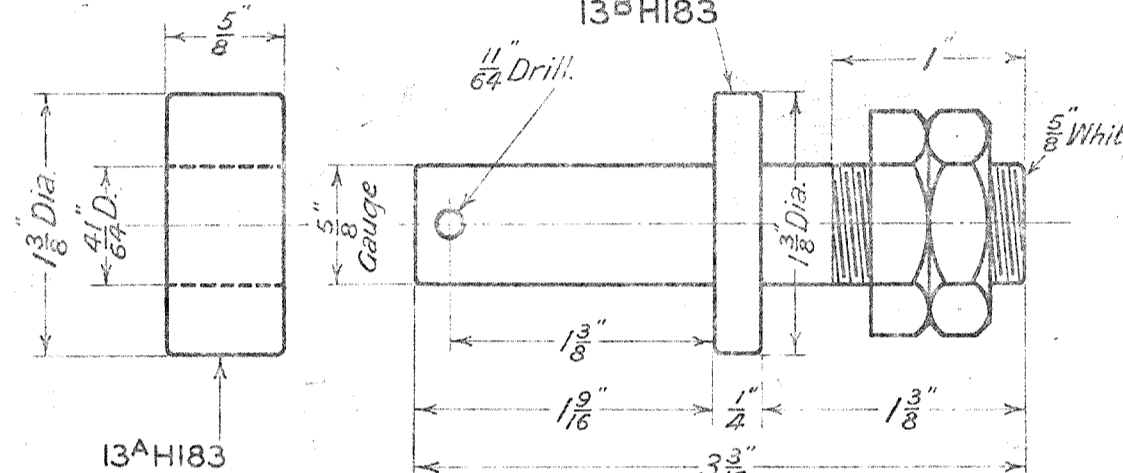
19H183  
18H183  
10H183  
9H183  
8H183



To be supplied with 1- $\frac{1}{8}$ " Split Pin,  
2- $\frac{5}{8}$ " Nuts  $\frac{5}{16}$ " thick.

M.S. STUD

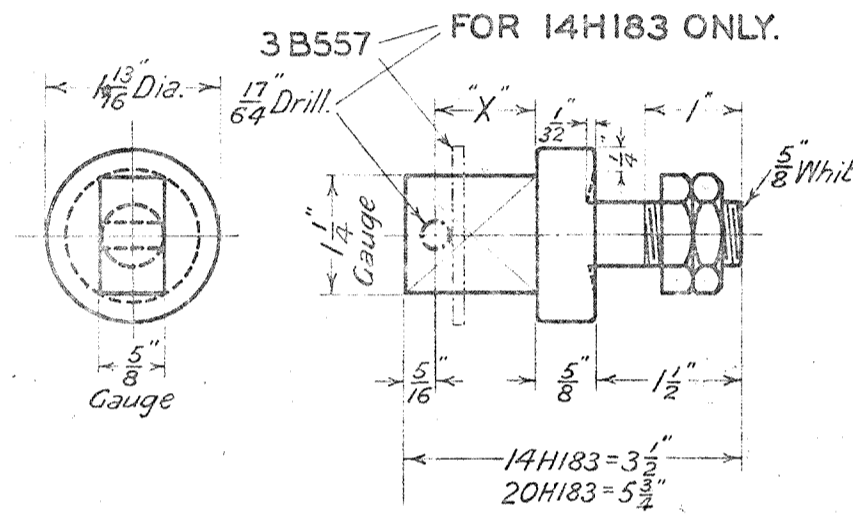
12H183



To be supplied with 1- $\frac{5}{32}$ " Split Pin,  
2- $\frac{5}{8}$ " Nuts  $\frac{5}{16}$ " thick.

M.S. STUD (& DISTANCE PIECE)

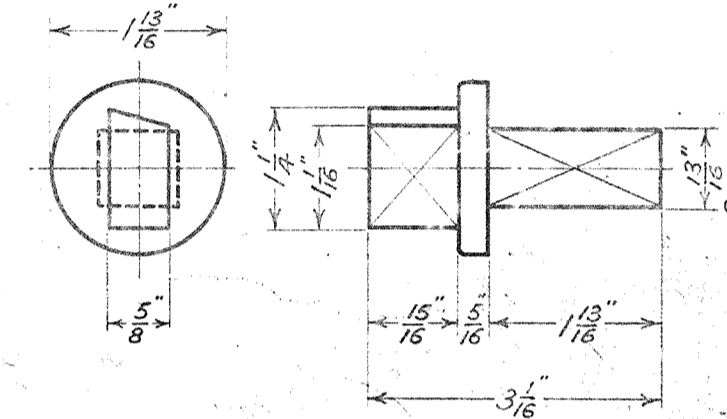
13H183



Supplied with:- 2- $\frac{5}{16}$ " Nuts,  $\frac{5}{16}$ " thick each.  
14H183 to be also supplied with:-  
1- 3B557, Washer & 1- $\frac{1}{4}$ " Split Pin.

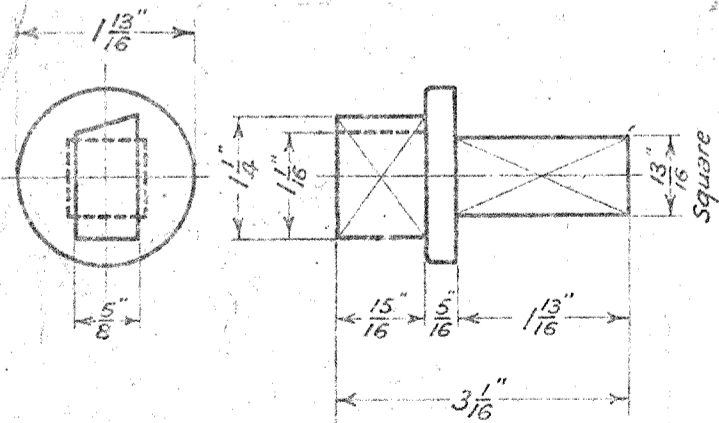
M.S. STUD

20H183  
X=1 $\frac{1}{16}$ " 14H183



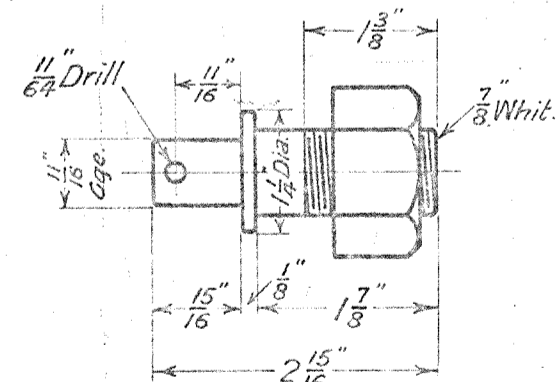
M.S. STUD

15H183



M.S. STUD

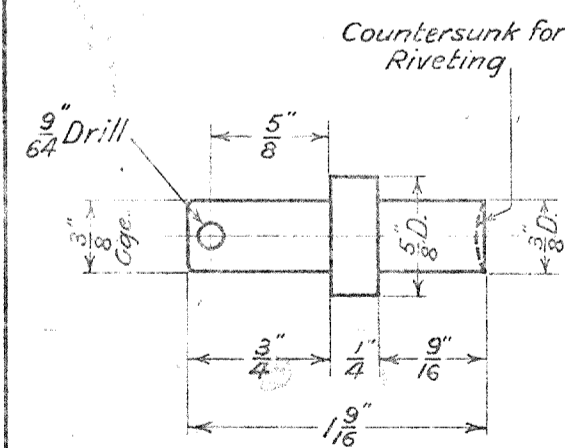
16H183



To be supplied with 1- $\frac{5}{32}$ " Split Pin,  
1- $\frac{7}{8}$ " Nut, 1- $\frac{1}{16}$ " Washer.

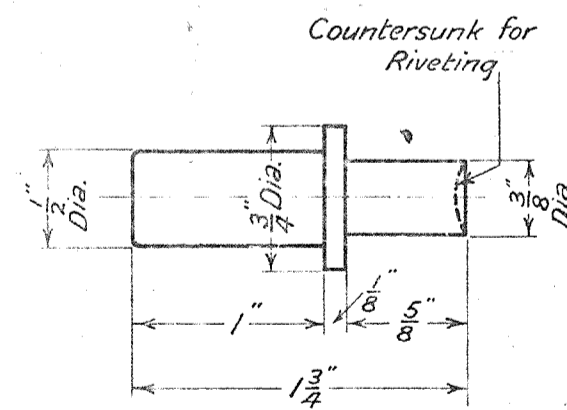
M.S. STUD

17H183



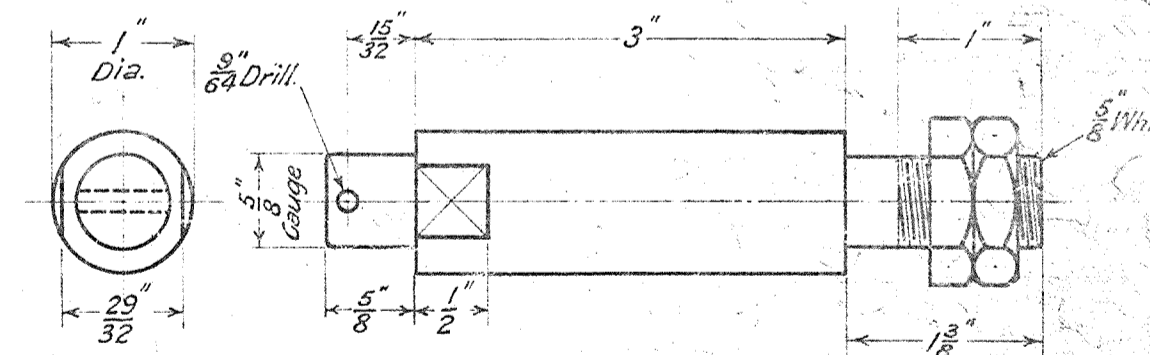
M.S. STUD

21H183



M.S. STUD

22H183



To be supplied with 1- $\frac{1}{8}$ " Split Pin,  
2- $\frac{5}{8}$ " Nuts  $\frac{5}{16}$ " thick.

M.S. STUD

23H183

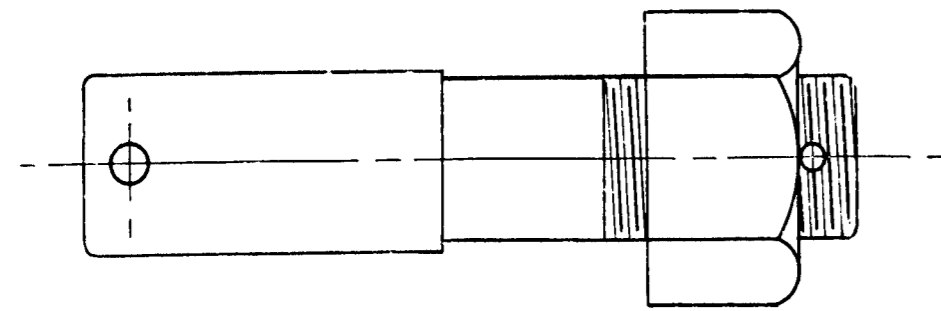
22-7-33.  
PART NO 23H183  
ADDED.  
REDRAWN INCLUDING ALT.  
NO 127 & REVISIONS 1 & 2.  
PART NOS 21H183 & 22H183  
ADDED. ORIGINAL SAME  
TITLE DATED 7-12-21.

VICTORIAN RAILWAYS  
STUDS

SIG. & TEL. ENGINEER  
DRAWN BY W.S.C.  
TRACED BY W.S.C.

H183

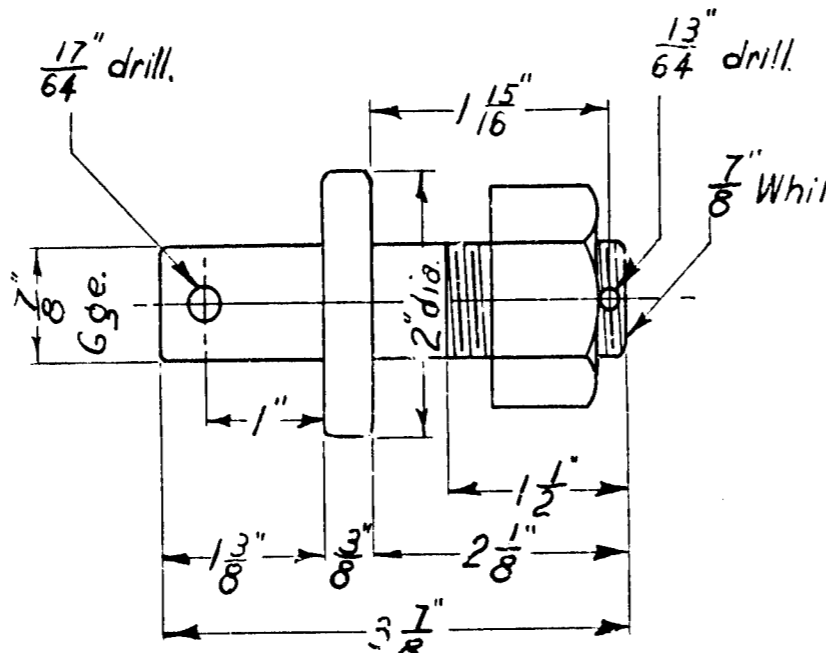
12-1-32



FOR DIMENSIONS SEE F2753.

M.S. STUD

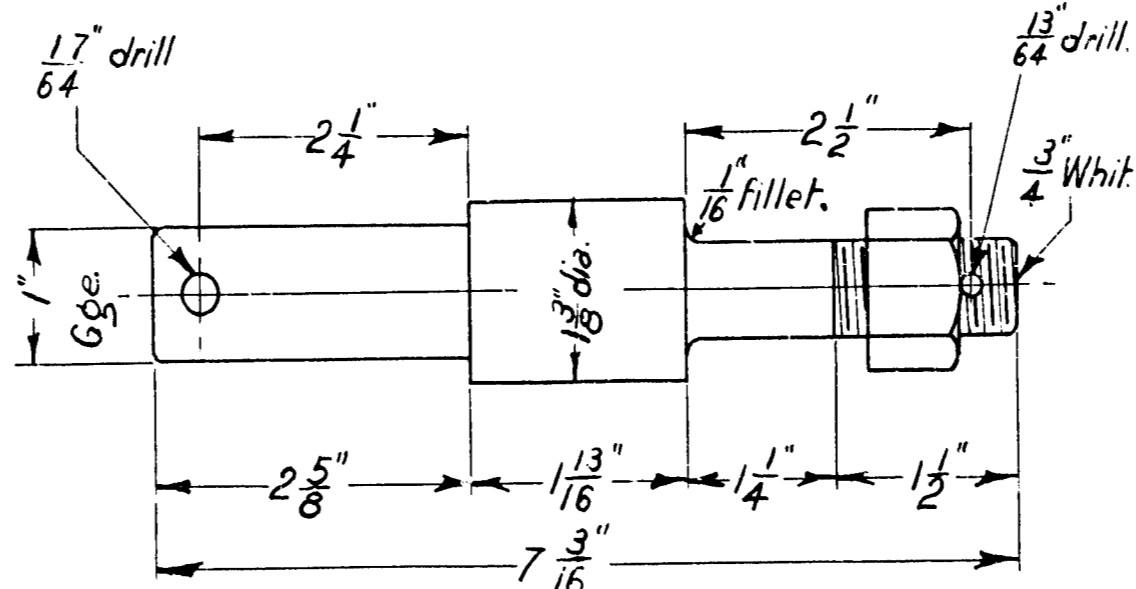
11H183  
7H183  
4H183  
2H183  
1H183



To be supplied with:- 1-1/4" Split Pin, 1-3/16" Split Pin, 1-7/8" Washer, 1-7/8" Nut.

M.S. STUD

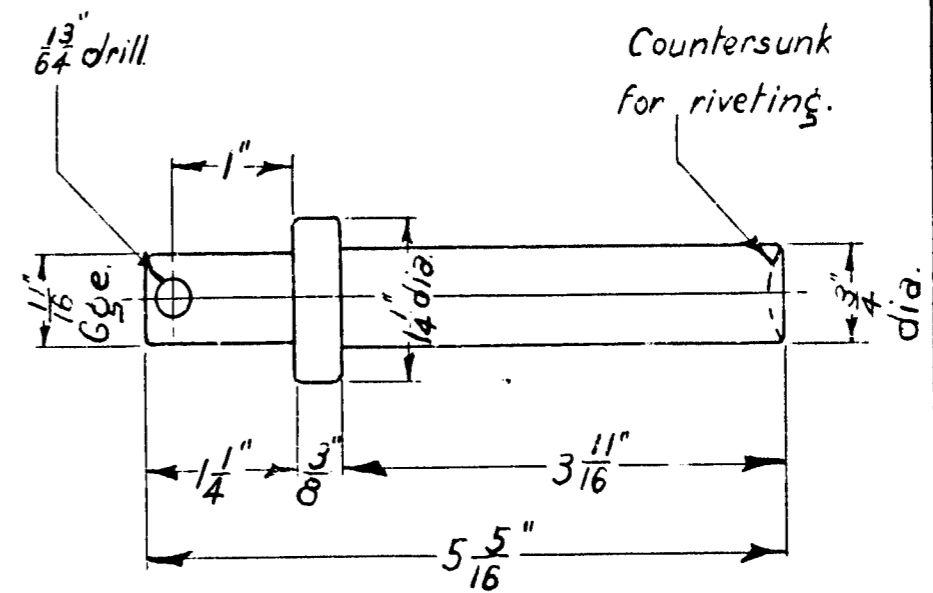
3H183 Alt. 436.



To be supplied with:- 1-1/4" Split Pin, 1-3/16" Split Pin, 1-1" Washer, 1-3/4" Nut.

M.S. STUD

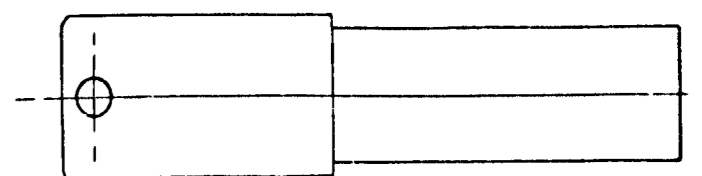
5H183



To be supplied with:- 1-3/16" Split Pin, 1-3/4" Washer.

M.S. STUD

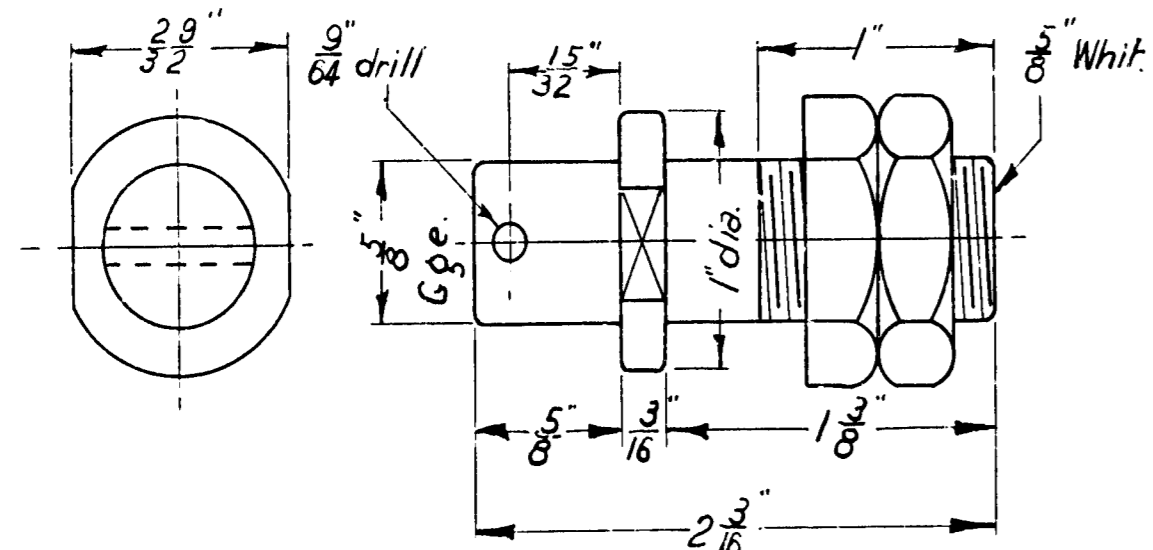
6H183



FOR DIMENSIONS SEE F2754.

M.S. STUD

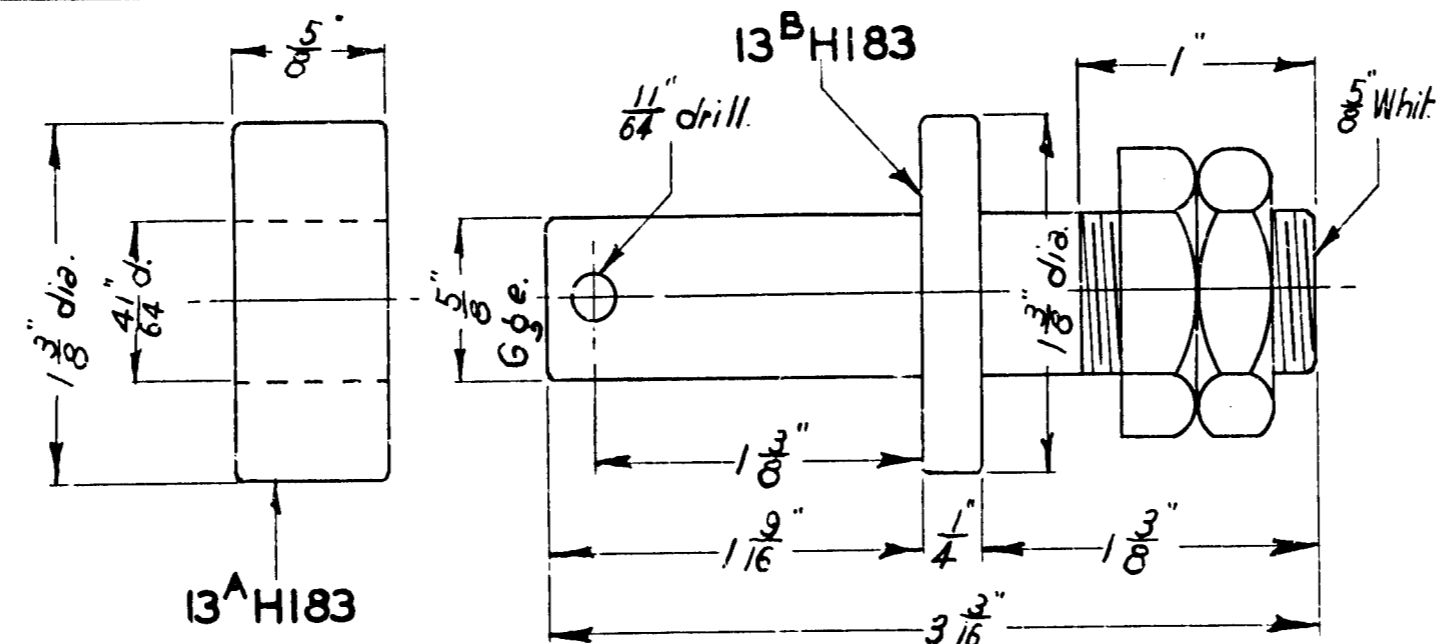
19H183  
18H183  
10H183  
9H183  
8H183



To be supplied with:- 1-5/8" Split Pin, 2-5/8" Nuts 5/16" thick.

M.S. STUD

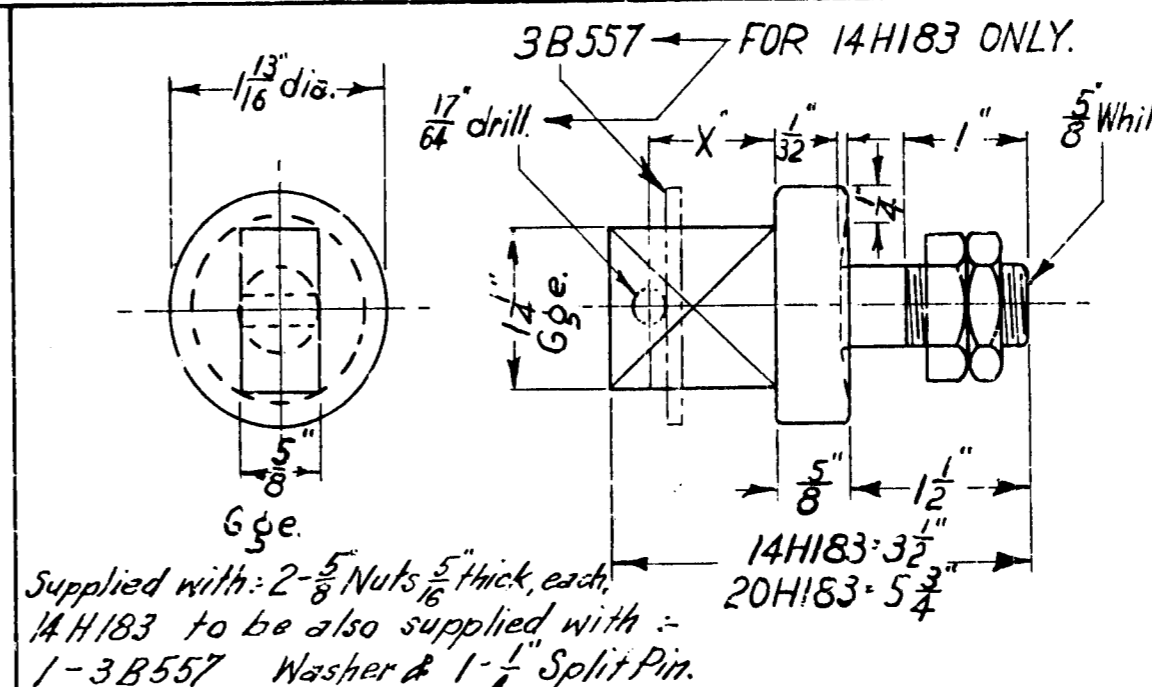
12H183



To be supplied with:- 1-5/32" Split Pin, 2-5/8" Nuts 5/16" thick.

M.S. STUD (& DISTANCE PIECE)

13H183

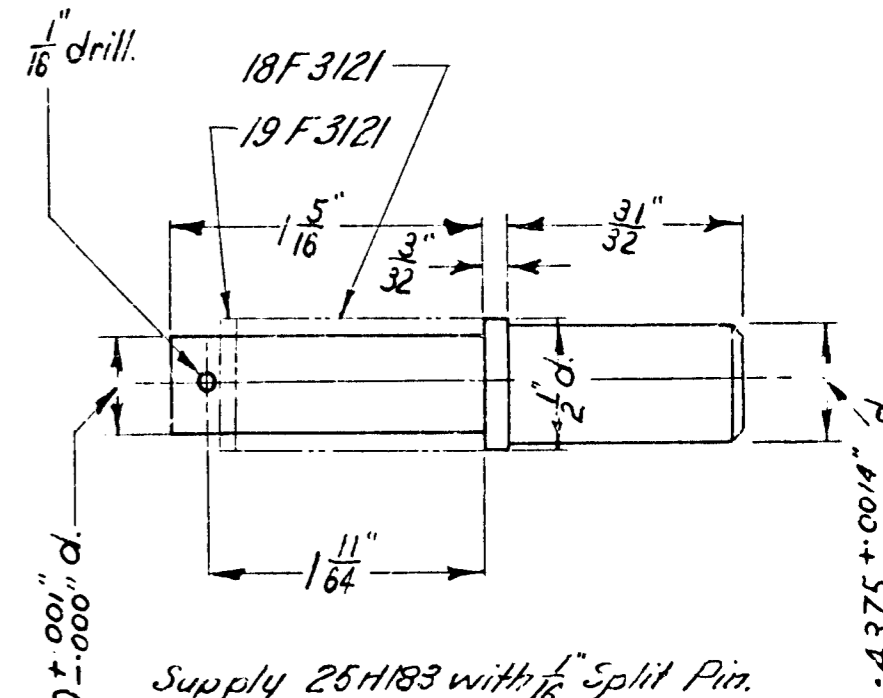


Supplied with:- 2-5/8" Nuts 5/16" thick, each. 14H183 to be also supplied with:- 1-3 B.557 Washer & 1-1/4" Split Pin.

14H183 (Old pattern) See 18B684 (New Pattern)  
20H183 " " " 11B684 " "  
Alt 1294. 10-4-67.  
Alt 1164. 7-1-64.  
Alt 367.  
Alt 280.

M.S. STUD

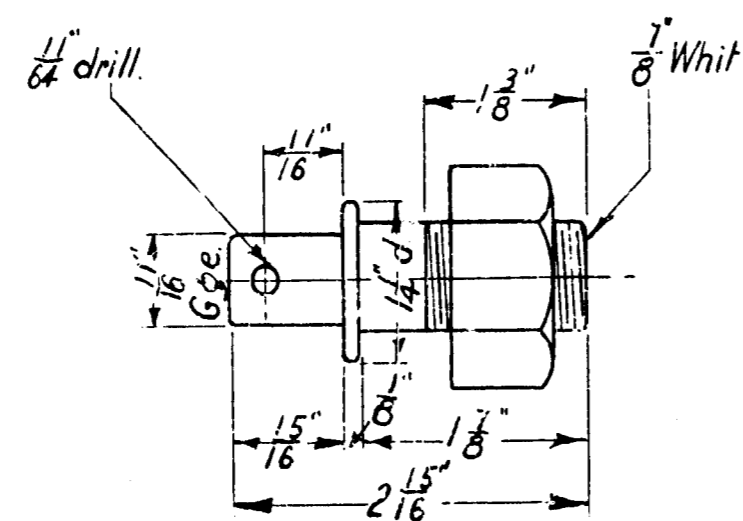
X = 1/16" 20H183  
14H183



Supply 25H183 with 1/16" Split Pin.

M.S. COMPLETE STUD ONLY

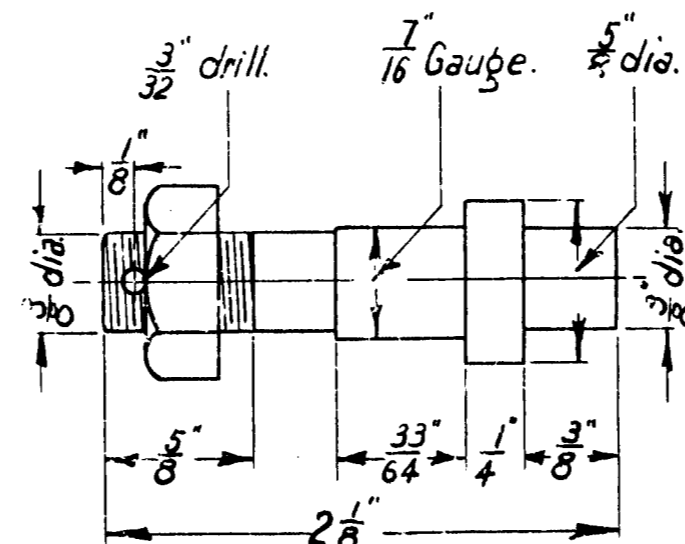
25H183  
24H183



Supplied with:- 1-3/32" Split Pin, 1-7/8" Nut, 1-1/16" Washer.

M.S. STUD

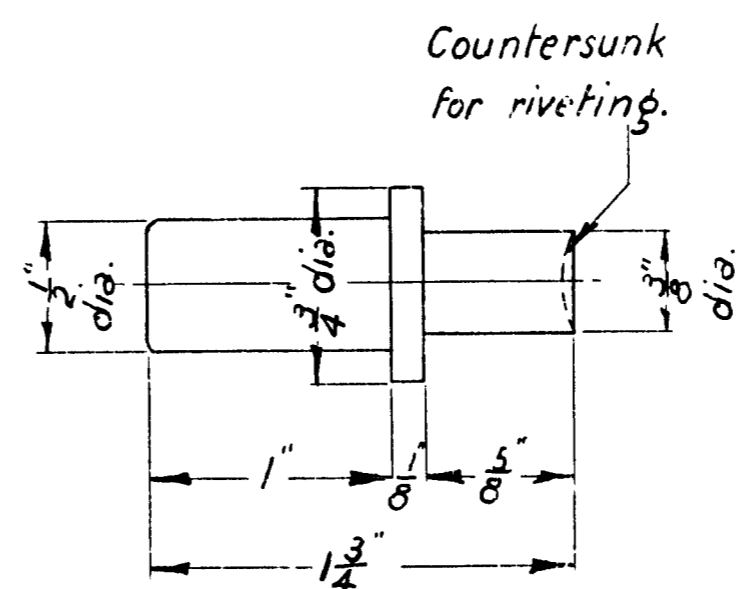
17H183



Supplied with:- 1-3/8" Nut 5/16" thick, 1-3/32" Split Pin 3/4" Long.

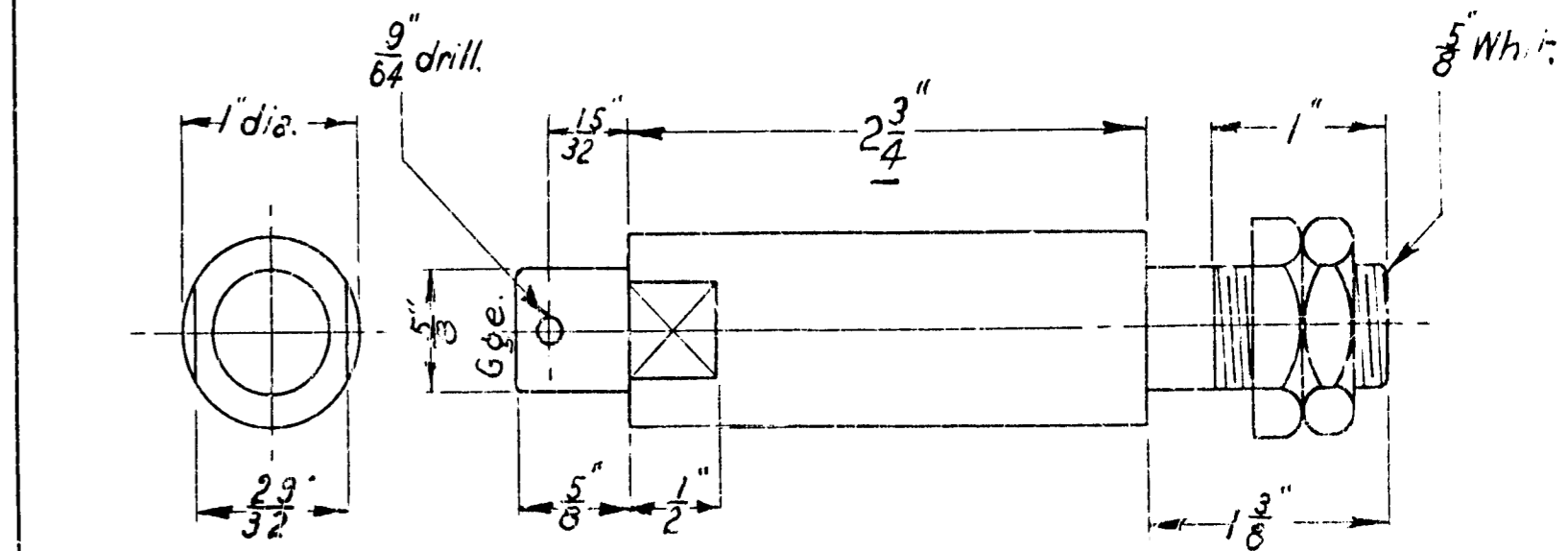
M.S. STUD

21H183



M.S. STUD

22H183



Supplied with:- 1-1/8" Split Pin, 2-5/8" Nuts 5/16" thick.

M.S. STUD

23H183

Redrawn including Revisions Nos 1, 2 & 3 and Alteration Nos 127, 280, 333, 367, 436, 6477. Original dated 7.12.21.

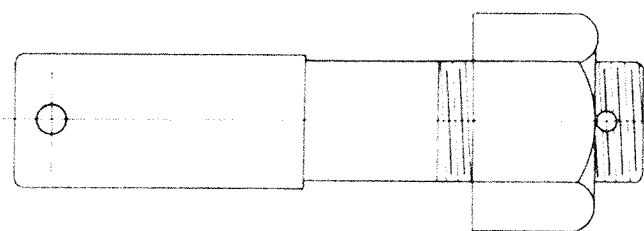
VICTORIAN RAILWAYS  
**STUDS**

Sig. & Tel. Engineer  
R.A.L.  
Traces by R.A.L.

**H183**

16.12.58

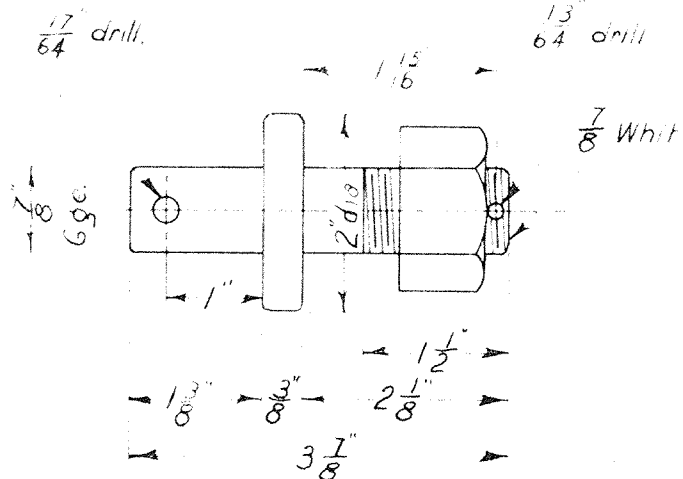
3963  
J6-2



FOR DIMENSIONS SEE F2753

M.S. STUD

1H183  
7H183  
4H183  
2H183  
1H183

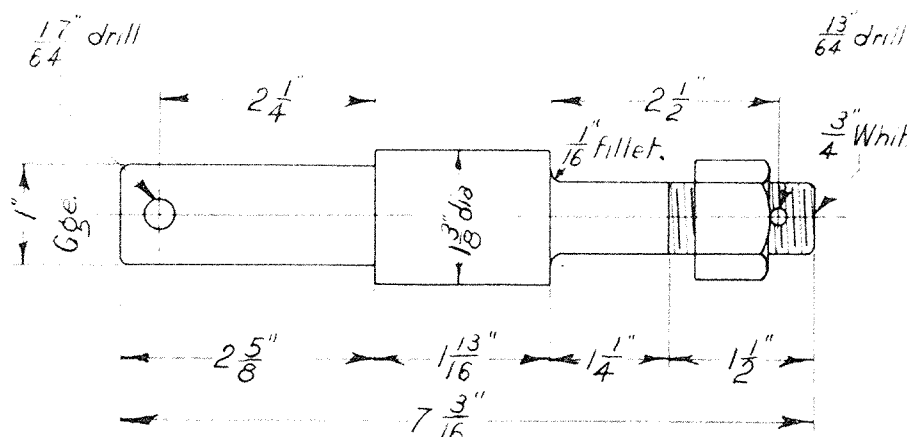


To be supplied with:- 1-1/4" Split Pin, 1-3/16" Split Pin, 1-7/8" Washer, 1-7/8" Nut.

M.S. STUD

3H183

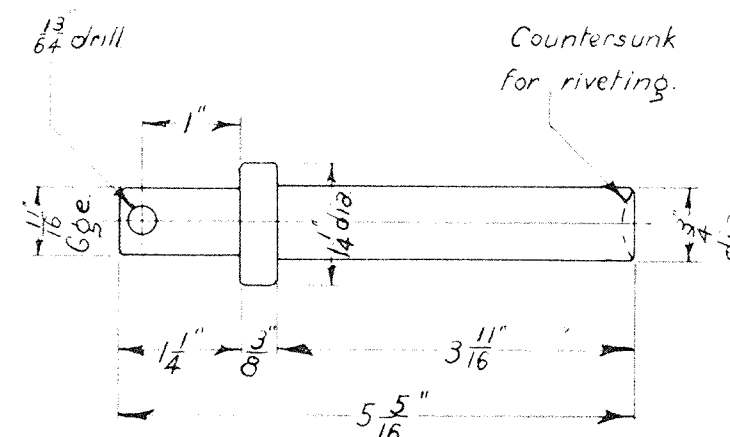
Alt. 436.



To be supplied with:- 1-1/4" Split Pin, 1-3/16" Split Pin, 1" Washer, 1-3/4" Nut.

M.S. STUD

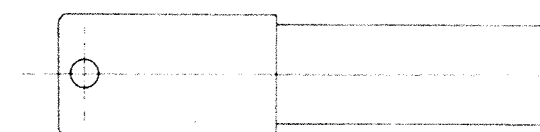
5H183



To be supplied with:- 1-1/8" Split Pin, 1-3/4" Washer.

M.S. STUD

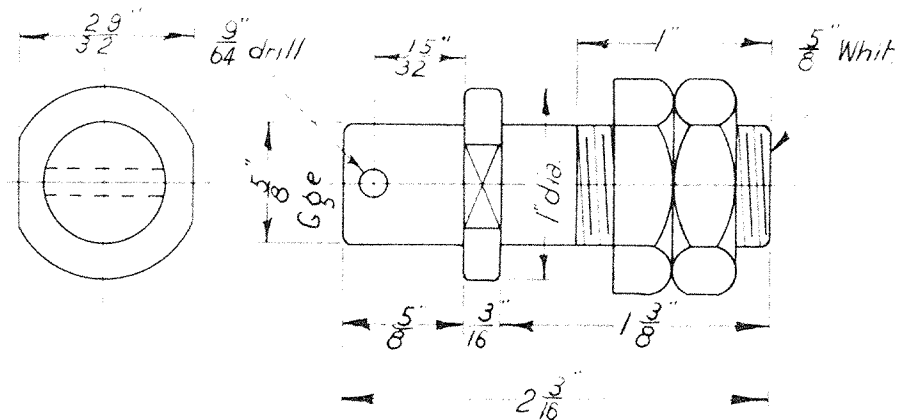
6H183



FOR DIMENSIONS SEE F2754.

M.S. STUD

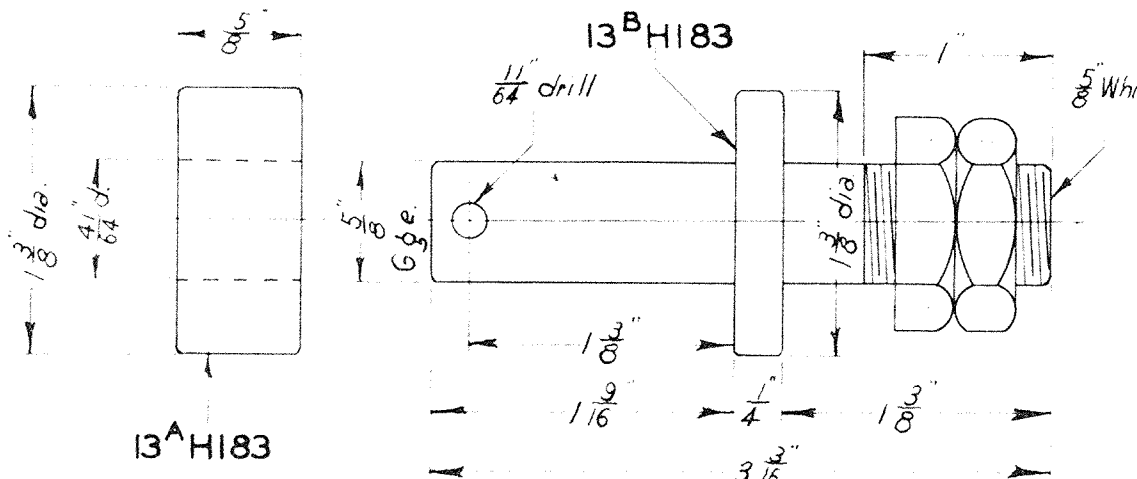
19H183  
18H183  
10H183  
9H183  
8H183



To be supplied with:- 1-5/8" Split Pin, 2-5/8" Nuts 5/16" thick

M.S. STUD

12H183

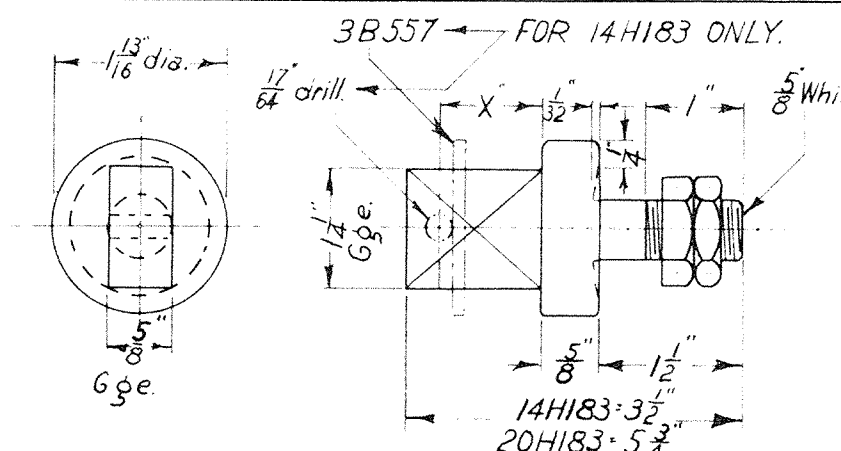


To be supplied with:- 1-5/8" Split Pin, 2-5/8" Nuts 5/16" thick.

M.S. STUD (& DISTANCE PIECE)

13H183

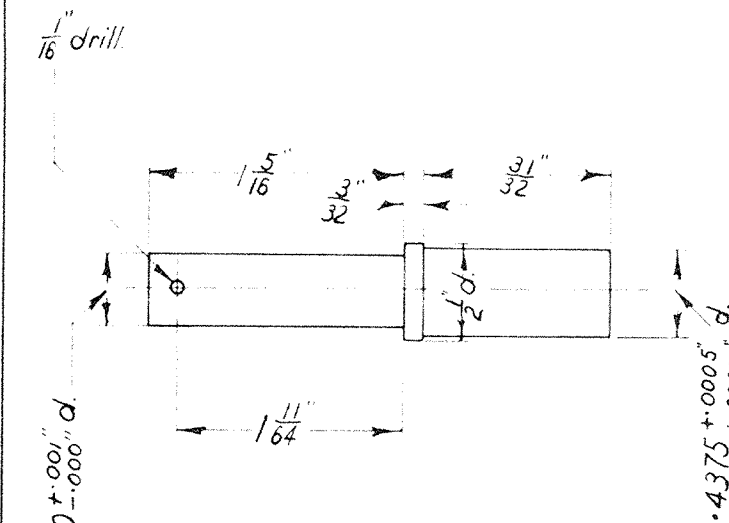
Alt. 367.  
Alt. 280.



Supplied with:- 2-5/8" Nuts, 5/16" thick, each, 14H183 to be also supplied with:- 1-3B557, Washer & 1-1/4" Split Pin.

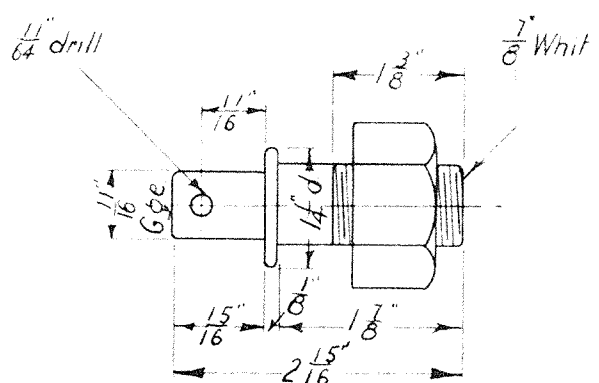
M.S. STUD

X = 1 1/16" 20H183  
14H183



M.S. STUD

24H183

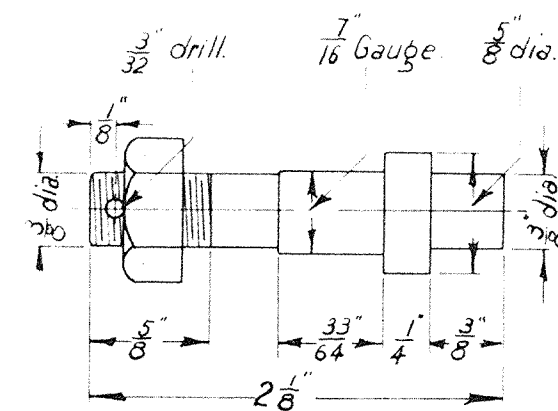


Supplied with:- 1-3/32" Split Pin, 1-7/8" Nut, 1-1/16" Washer

M.S. STUD

17H183

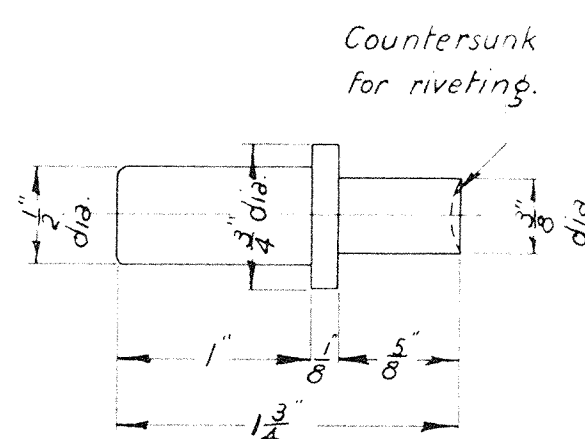
Alt. 477.



Supplied with:- 1-3/8" Nut 5/16" thick, 1-3/32" Split Pin 3/4" Long.

M.S. STUD

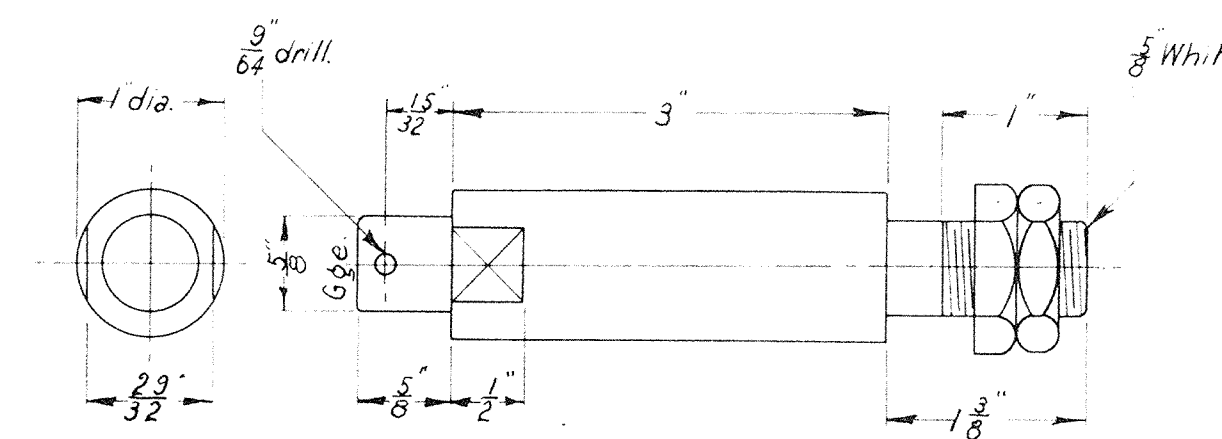
21H183



M.S. STUD

22H183

Alt. 333.



Supplied with:- 1-1/8" Split Pin, 2-5/8" Nuts 5/16" thick.

M.S. STUD

23H183

Redrawn including Revisions Nos 1, 2 & 3 and Alteration Nos 127, 280, 333, 367, 436, 477. Original dated 7.12.21.

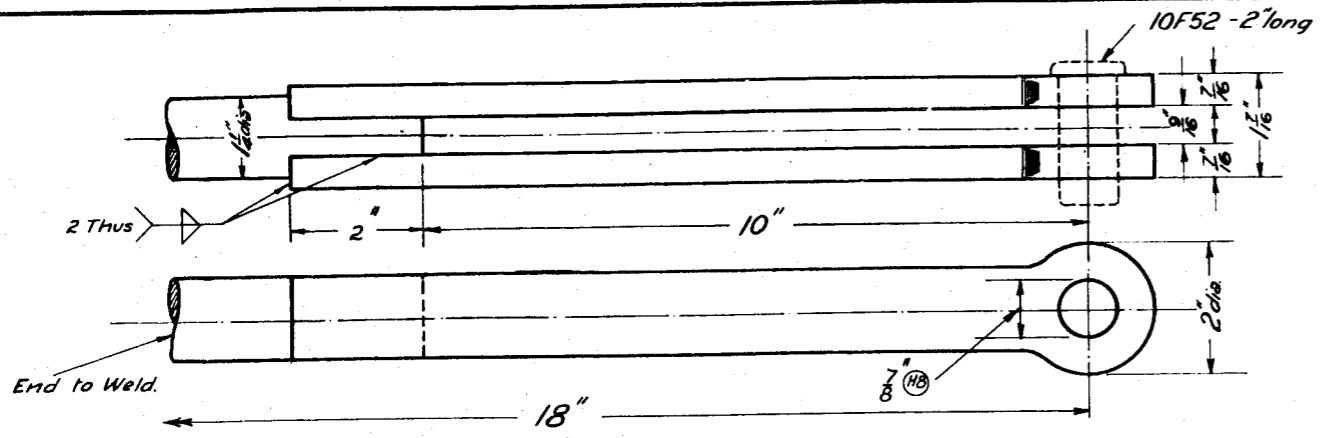
VICTORIAN RAILWAYS  
STUDS

Sig. & Tel. Engineer. Drawn by R.A.L. Traced by R.A.L.

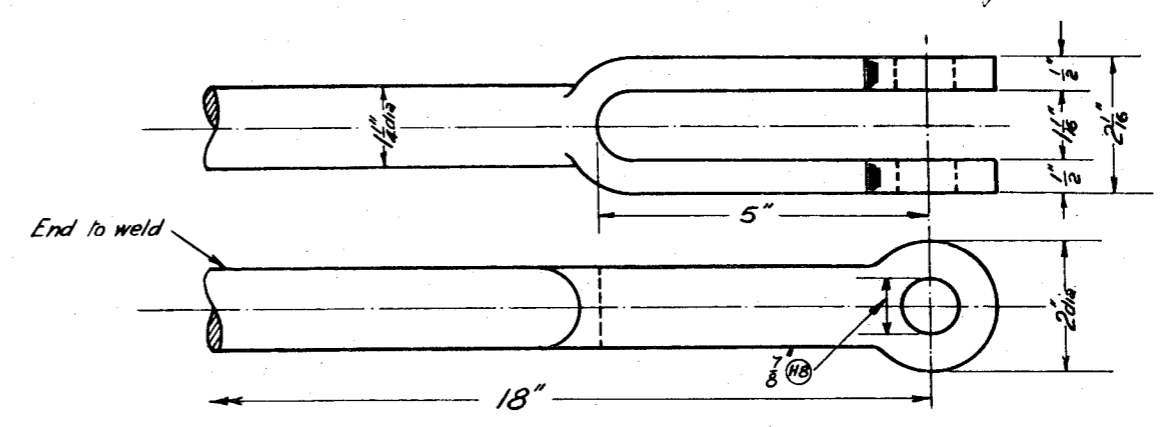
H183

16.12.58

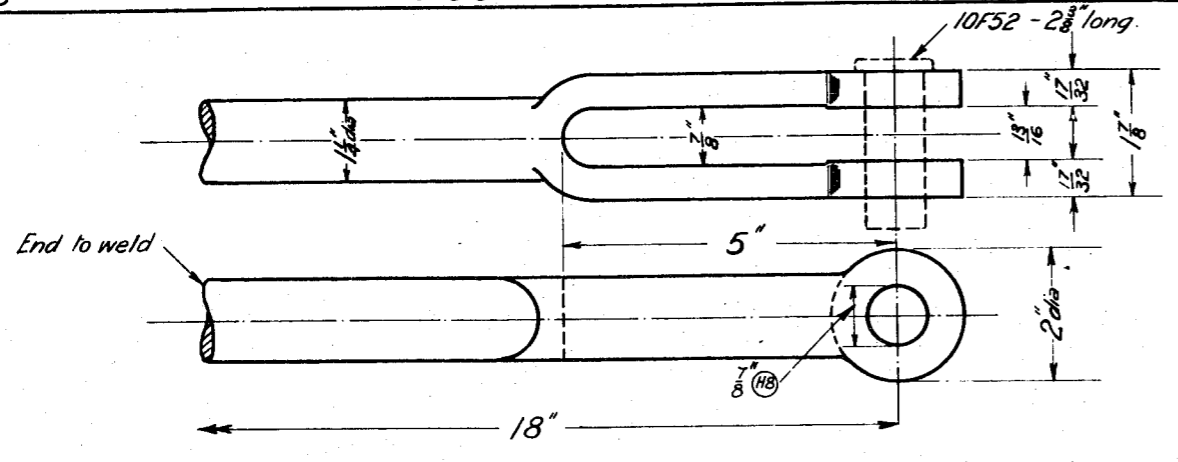




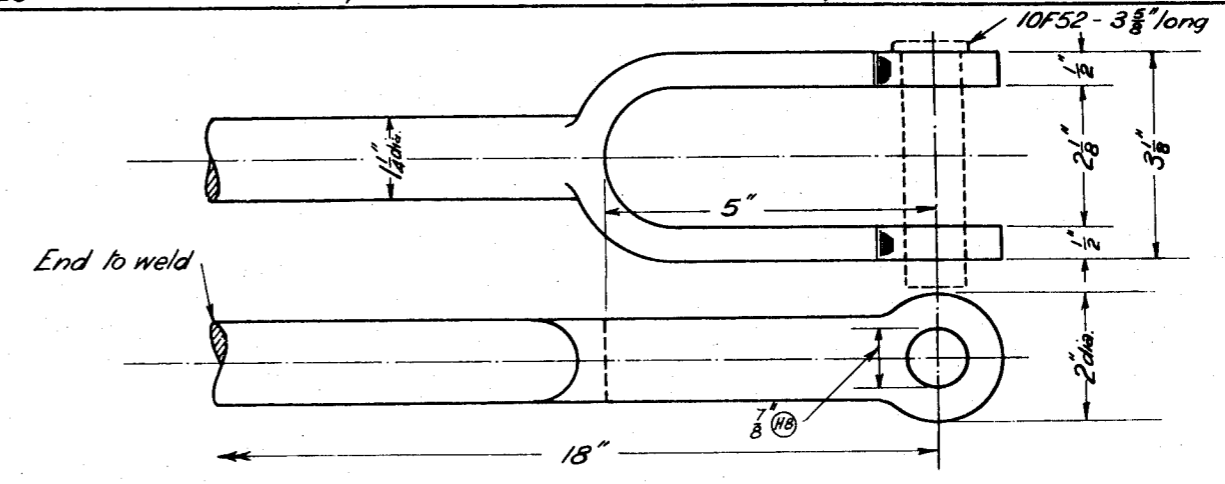
24-9-65/Alt. 1229.  
11-7-23  
M.S.  
Ford's Lever Jaw  
4H186



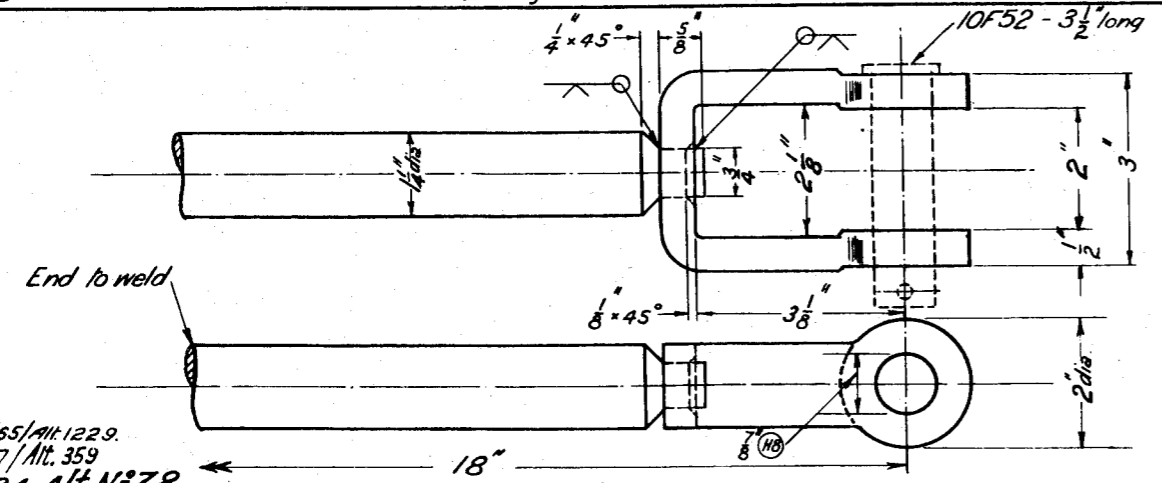
11-7-23  
Escapement Crank Jaw (Narrow)  
4H186



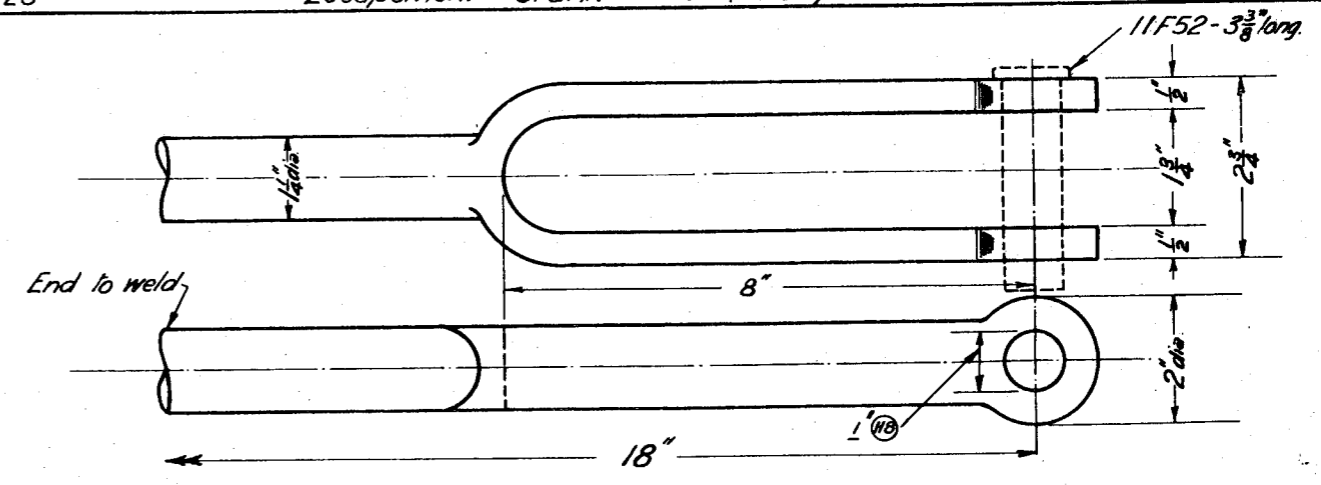
11-7-23  
Long Jaw  
2H186



11-7-23  
Escapement Crank Jaw (Wide)  
5H186



24-9-65/Alt. 1229.  
30-6-37/Alt. 359  
18-8-24 Alt. N°78  
11-7-23  
M.S.  
Wide Jaw  
3H186



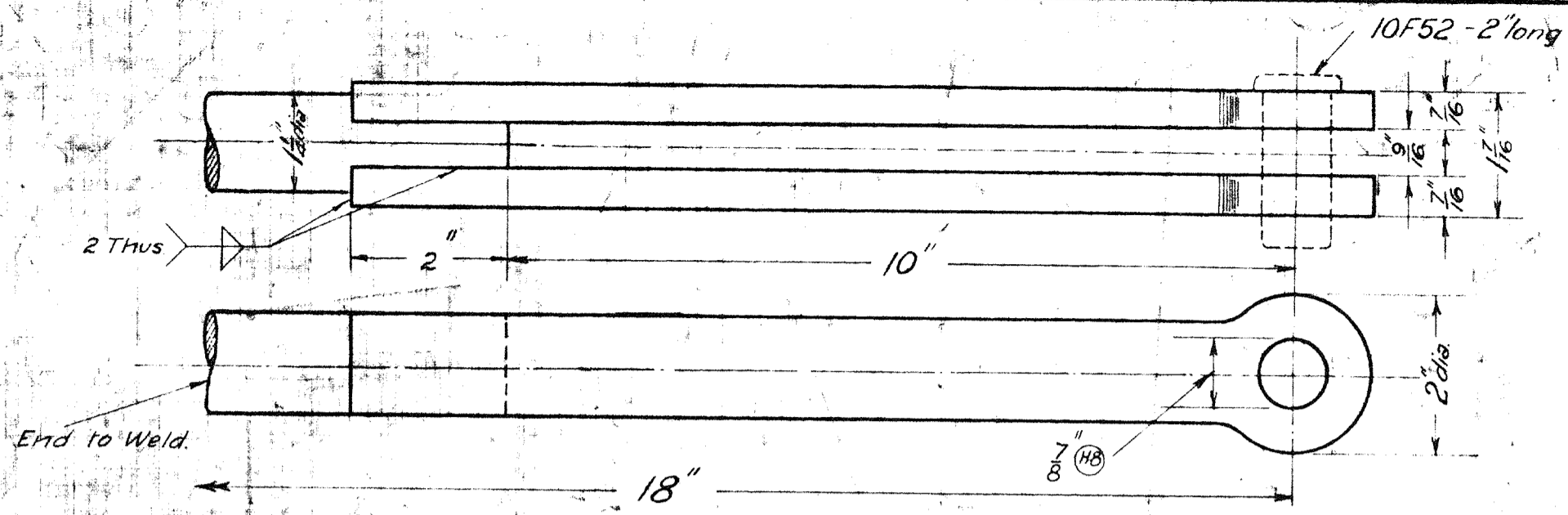
11-7-23  
Spur Lever Jaw  
6H186

R 3078  
NEW SPEC  
2/11/57

J 2-1

VICTORIAN RAILWAYS  
1 1/2" SOLID JAWS  
Special

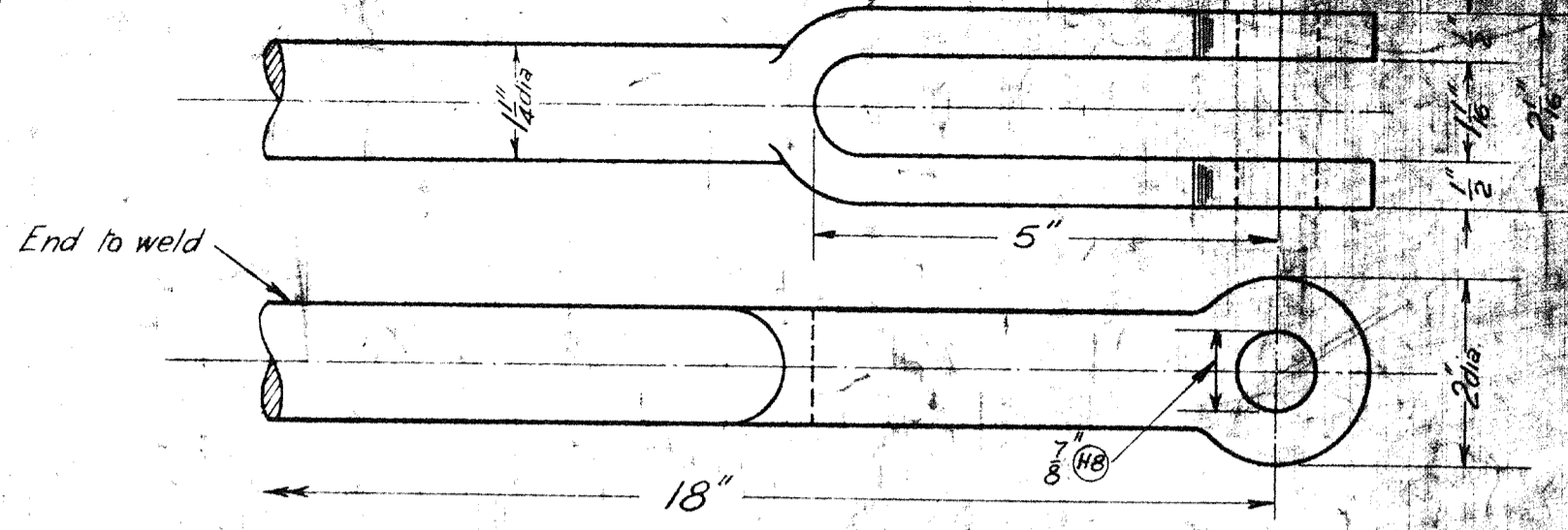
Chief Eng.  
of Signale  
R.G.C.  
R.G.C.  
H186  
11-7-23  
5982, 23



24-9-65/Alt. 1229  
11-7-23

M.S.  
Ford's Lever Jaw

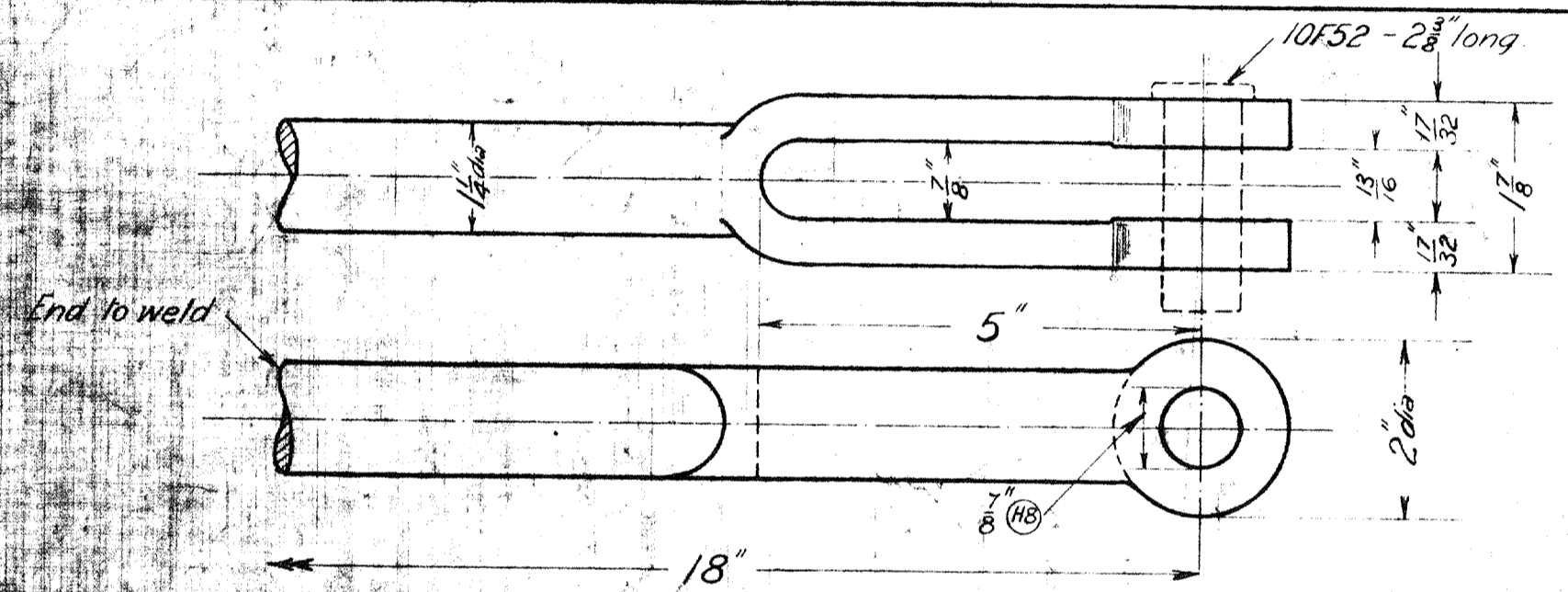
1H186



11-7-23

Escapement Crank Jaw (Narrow)

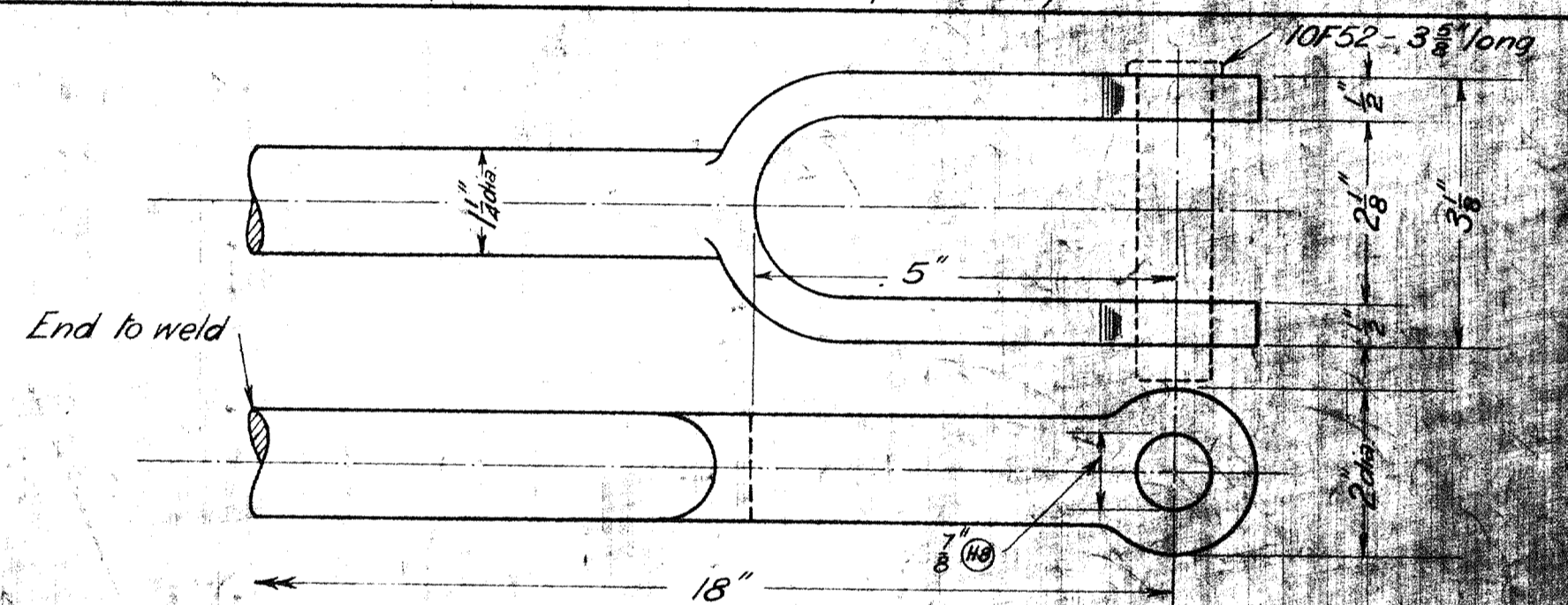
4H186



11-7-23

Long Jaw

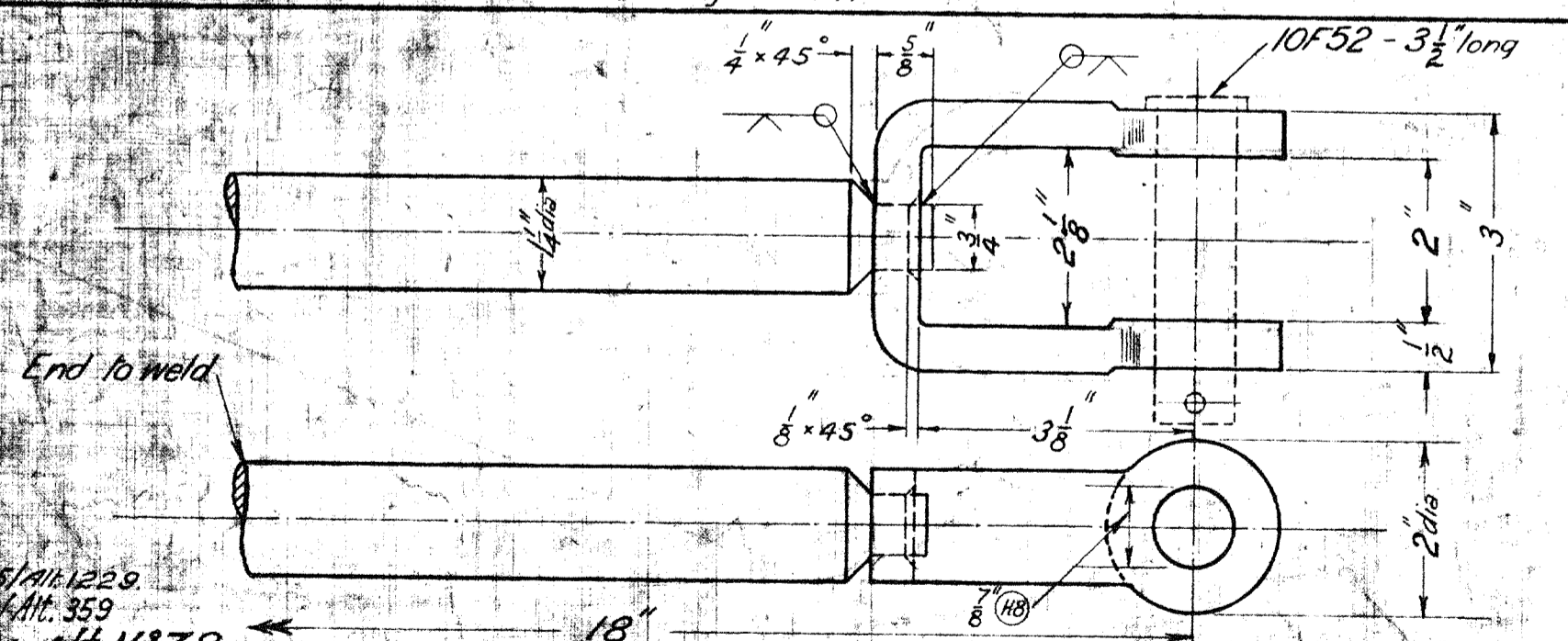
2H186



11-7-23

Escapement Crank Jaw (Wide)

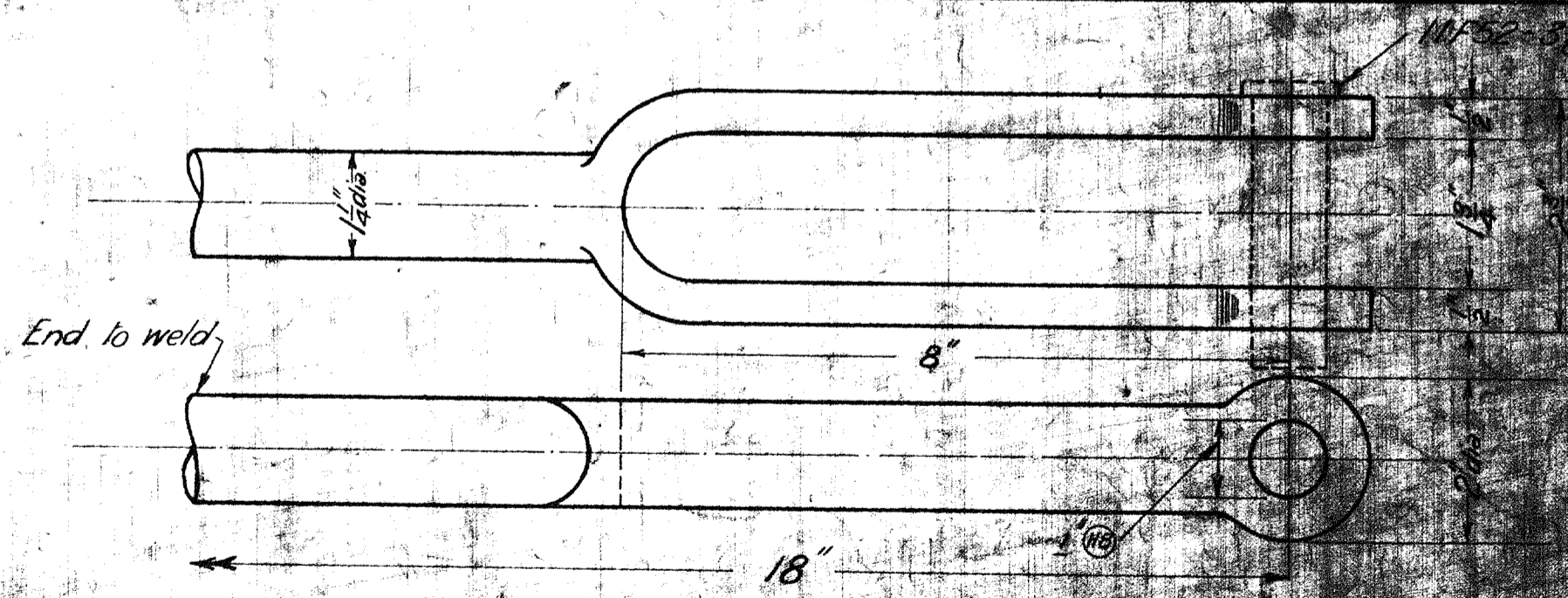
5H186



24-9-65/Alt. 1229  
30-6-37/Alt. 359  
18-8-24 Alt. N°78  
11-7-23

M.S.  
Wide Jaw

3H186



11-7-23

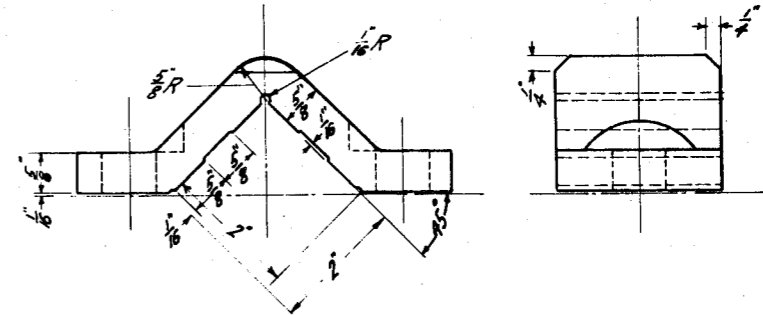
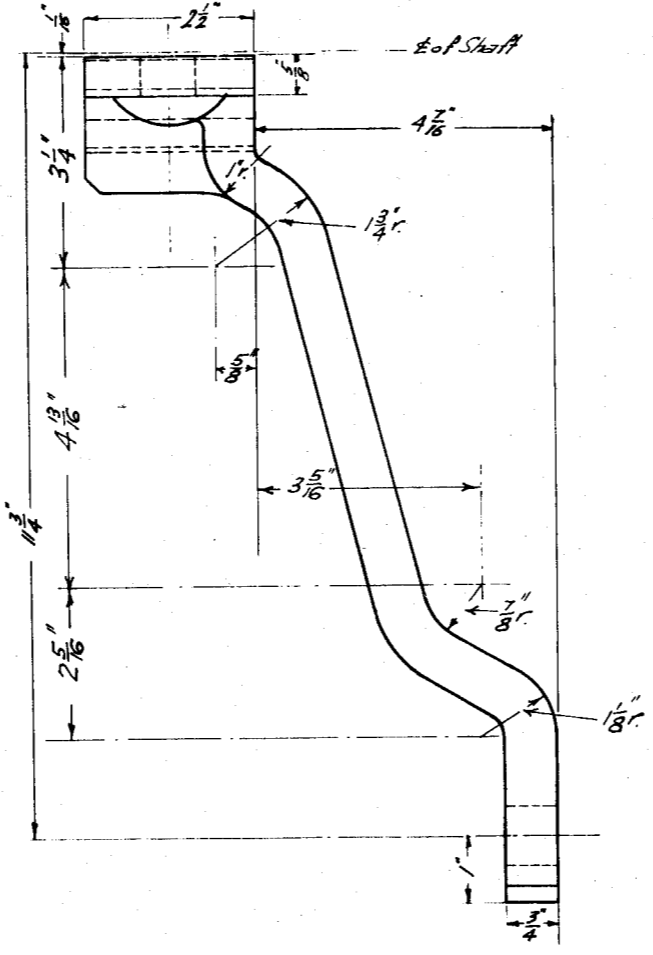
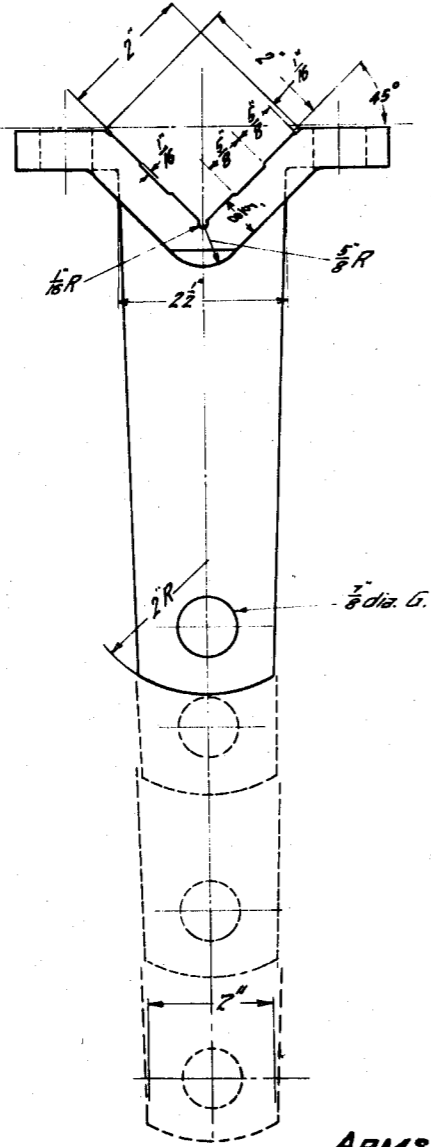
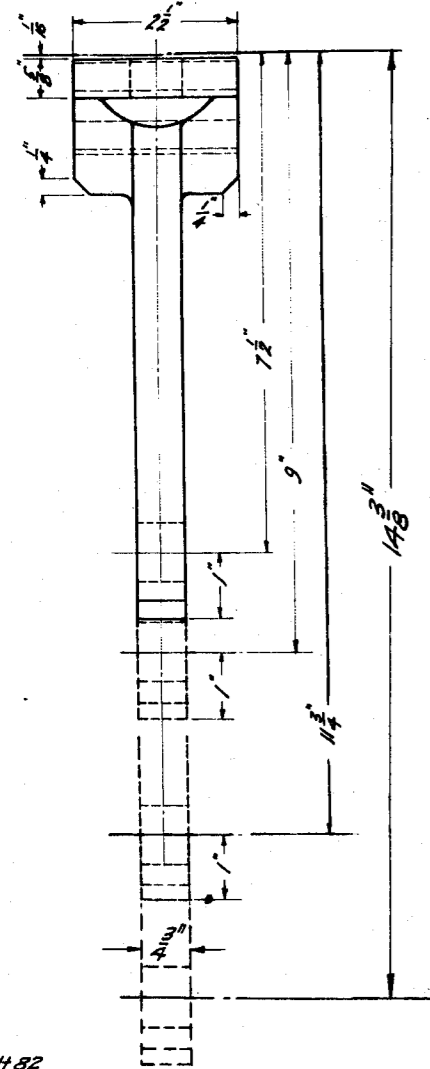
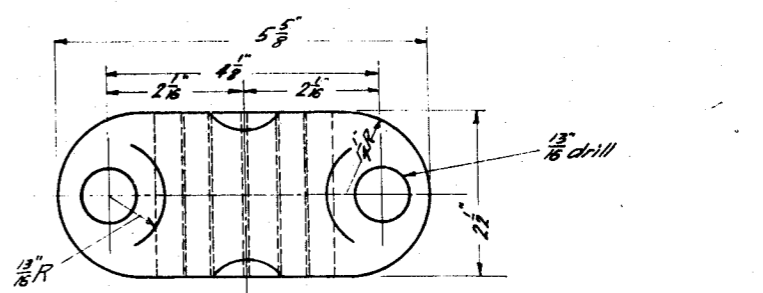
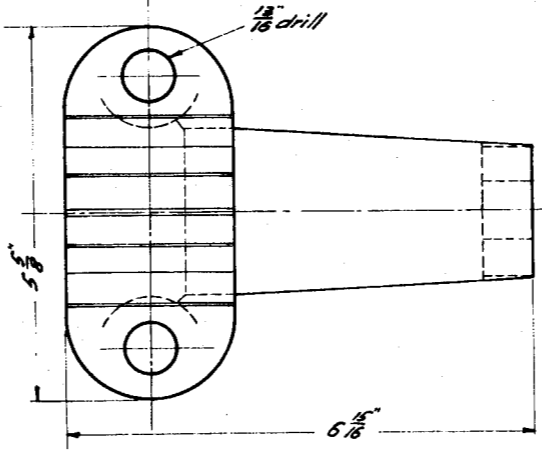
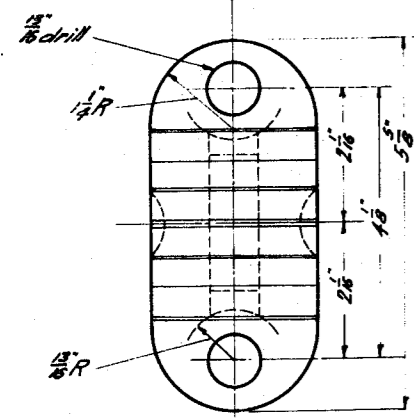
Spur Lever Jaw

6H186

3078

VICTORIAN RAILWAYS  
1/2" SOLID JAWS  
Special

11-7-23  
H186



15-2-22

CAP (M.S. Forging)

SH187

Straight Arm (1/2") 6H187  
Bent Arm (1 1/4") 4H187  
Straight " (1 1/2") 3H187  
" " (3") 2H187  
" " (7 1/2") 1H187

ARMS (M.S. Forging)

7-10-24/AH 82  
15-2-22

RECORD PLAN  
R 3079  
NEW YORK  
2/11/37

J-1

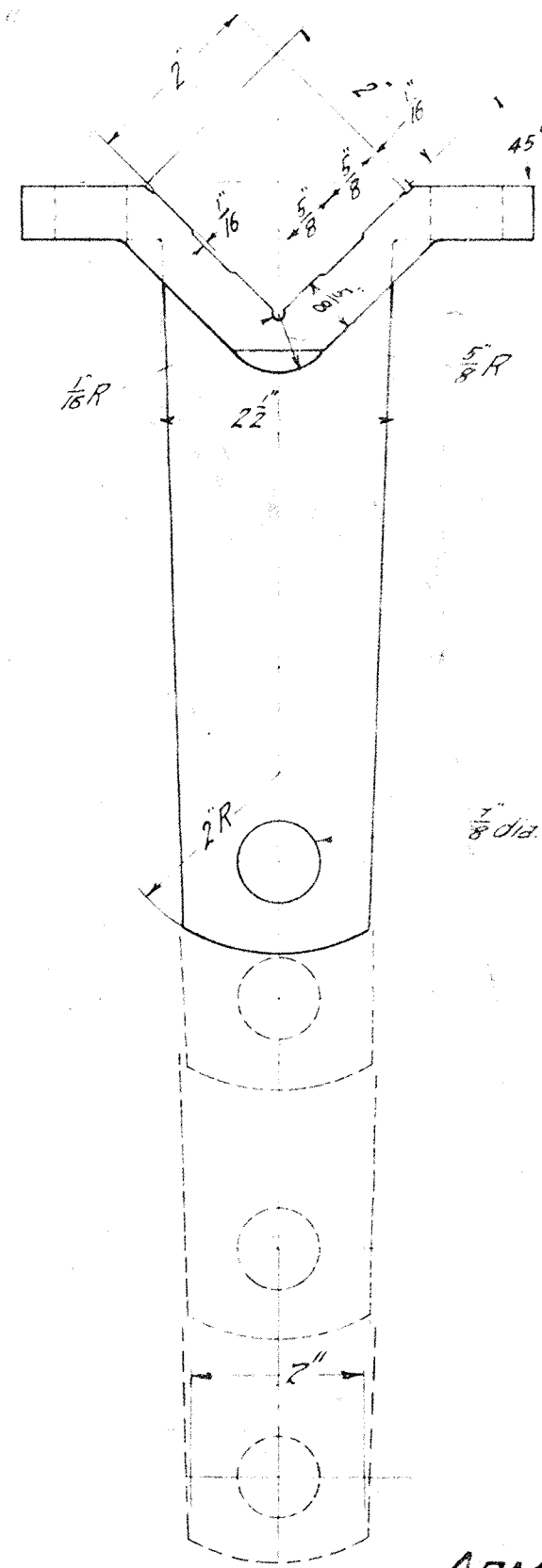
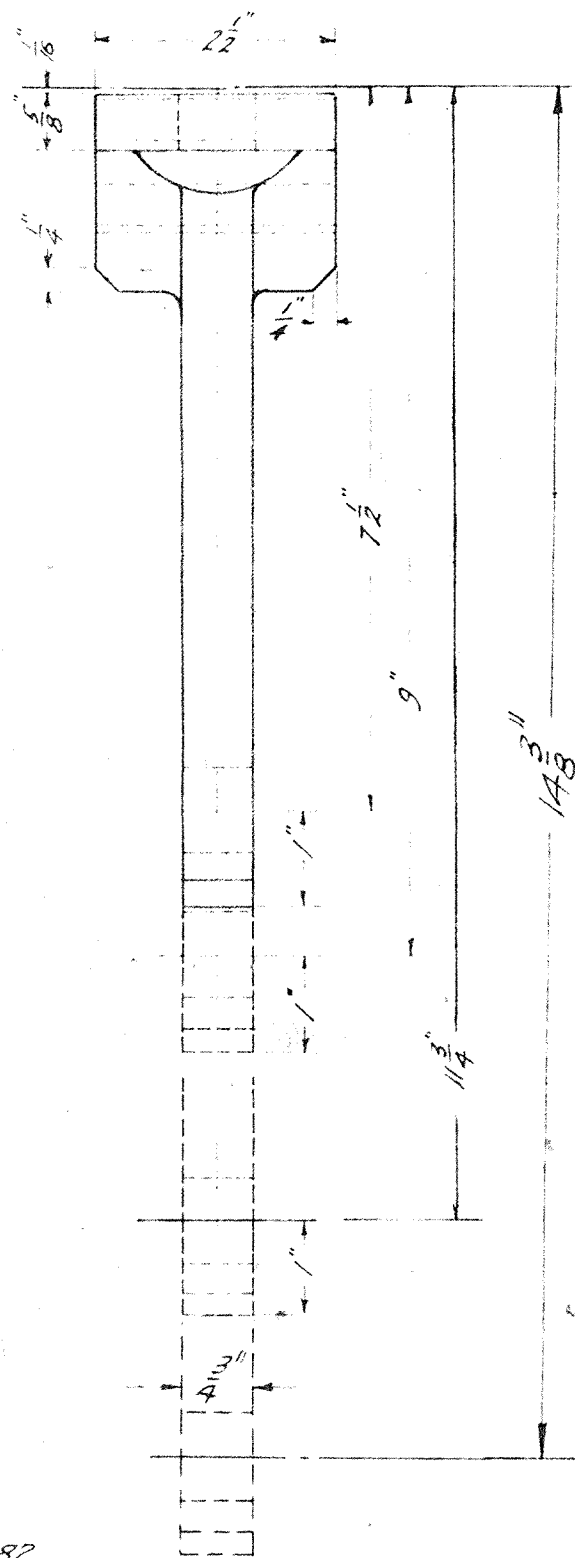
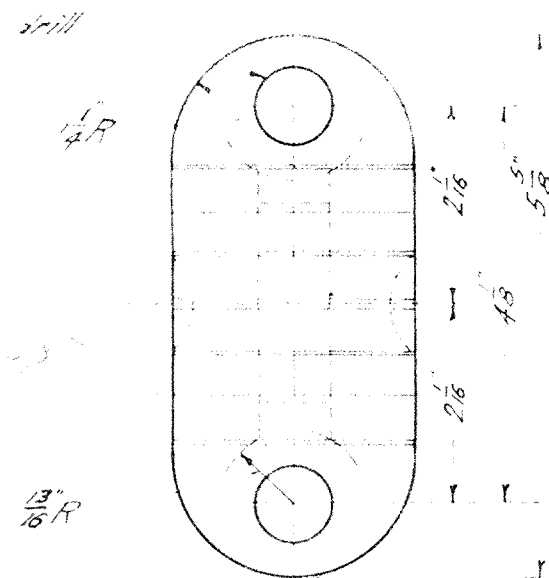
1	3-4-26	7-10-24
Part No 6H187 added		Alteration No 82
S.C.A.		7-10-24

**VICTORIAN RAILWAYS  
ROCKING SHAFT ARMS**

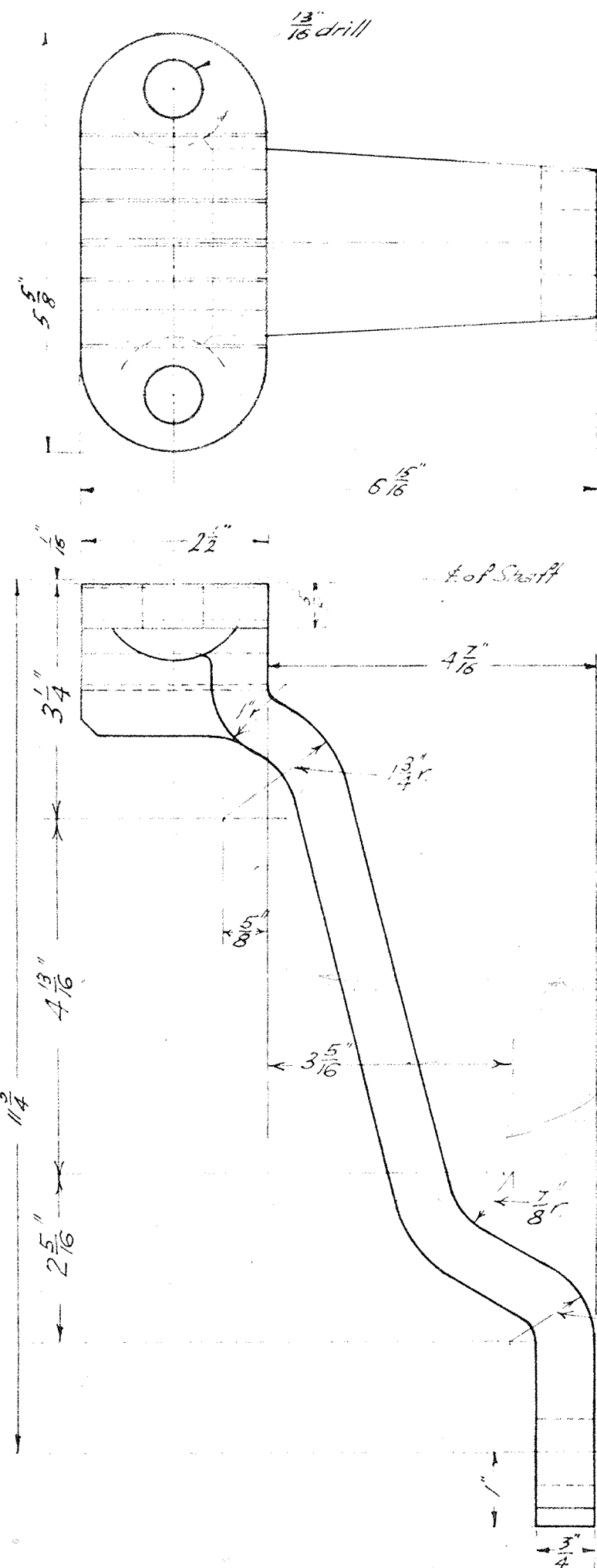
Engineer or Signer	Drawn by	Checked by
H.W.	R.S.P.	E.M.
	W.P.	

**H187**

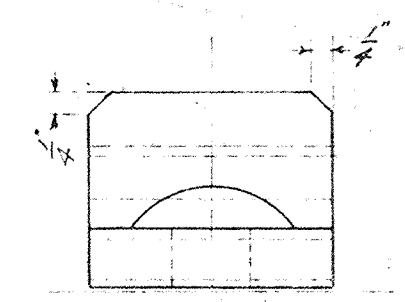
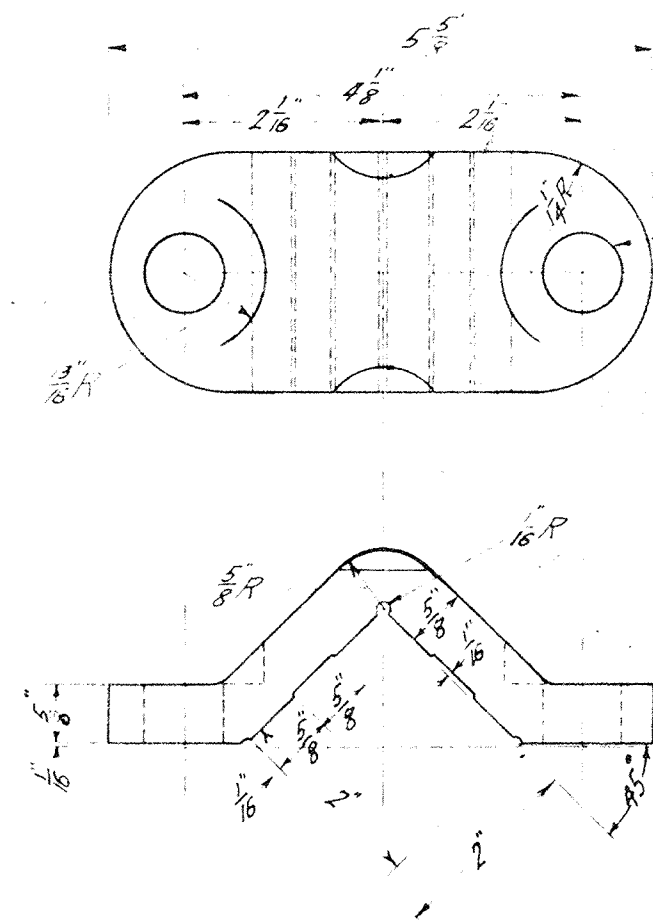
15-2-22



ARMS (M.S. Forging)



- Straight Arm (14 3/8") 6H187
- Bent Arm (11 3/4") 4H187
- Straight " (11 3/4") 3H187
- " " (9") 2H187
- " " (7 1/2") 1H187



16-2-22

CAP (M.S. Forging)

5H187

7-10-24 LAH 82  
16-2-22

3079

3-4-26  
Part No 6H187  
added

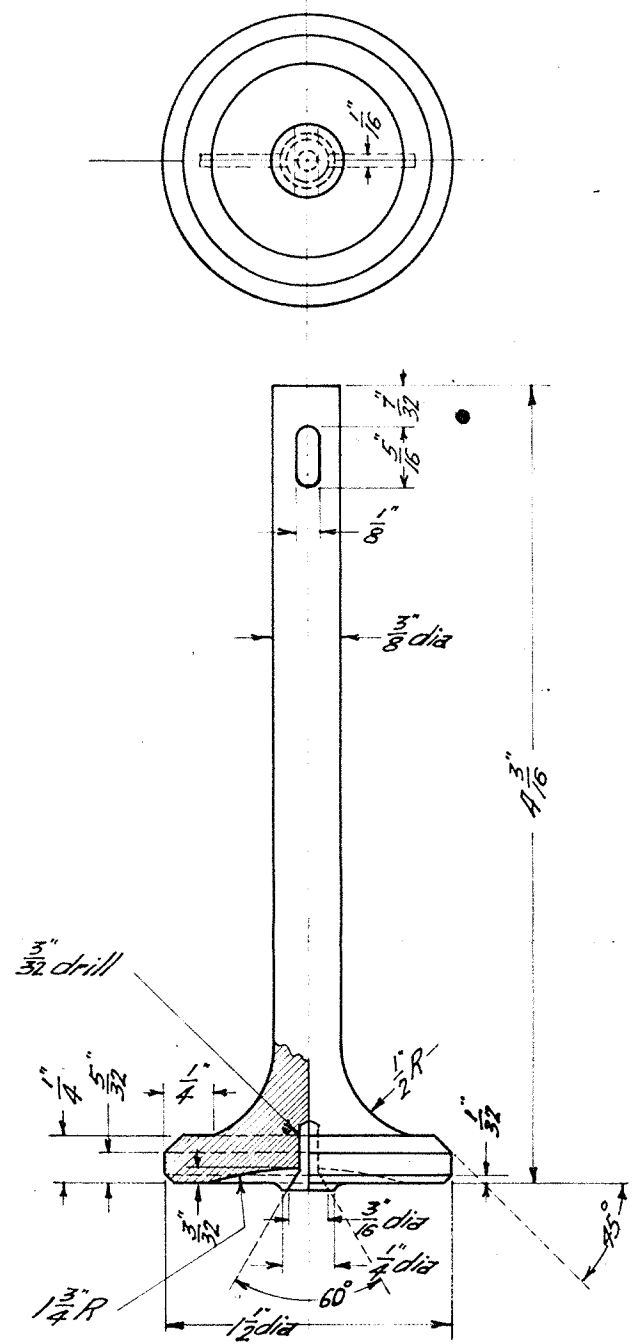
7-10-24  
Alteration  
No 82

VICTORIAN RAILWAYS  
ROCKING SHAFT ARMS

Engineer of Signals	Drawn R.S.A.	Traced F.P.S.
W.P.		

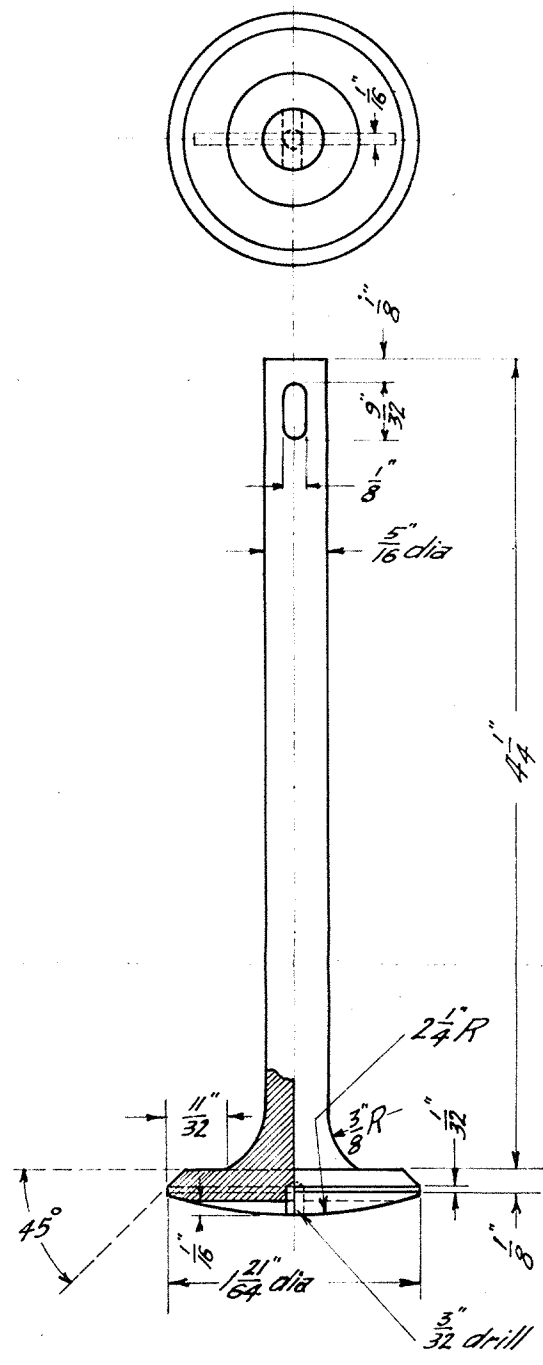
H187

16-2-22



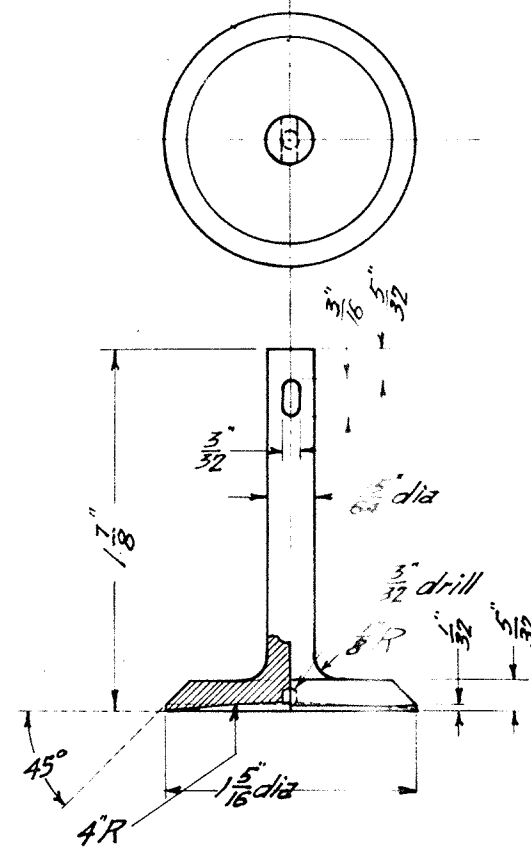
Valve Steel  
Valve 1H188

28-3-22



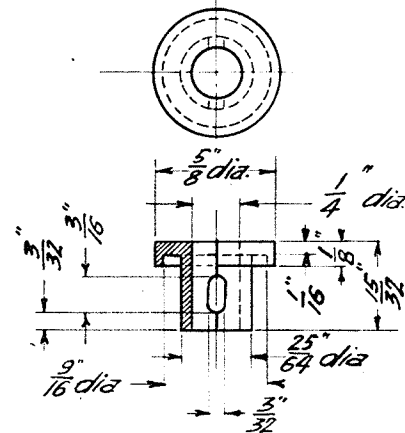
Valve Steel  
Valve 2H188

28-3-22



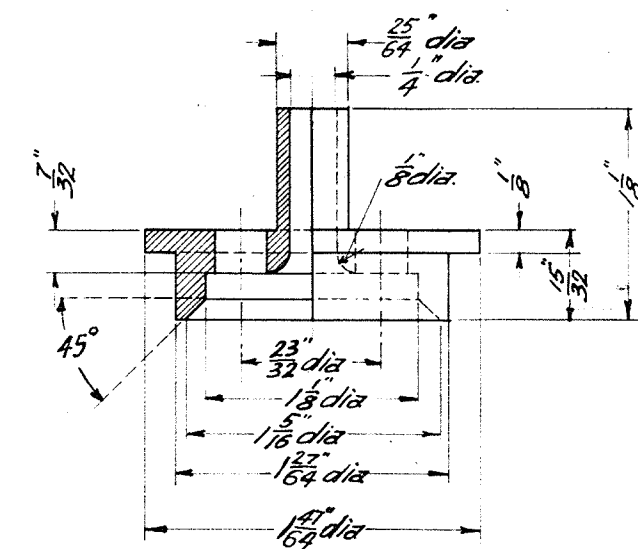
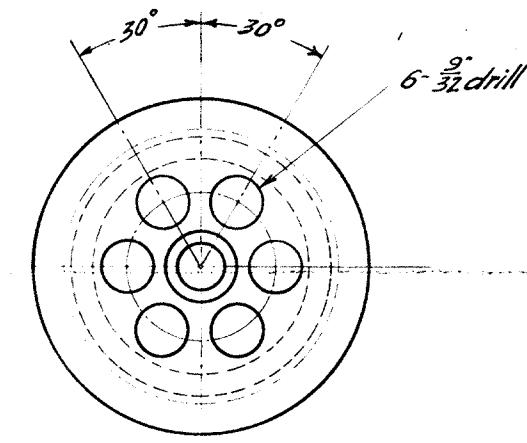
Valve Steel  
Valve 5H188

28-3-22



M.S. Case hardened  
Spring Collar (for 5H188) 6H188

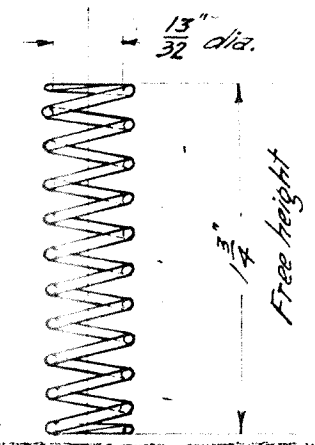
28-3-22



M.S.

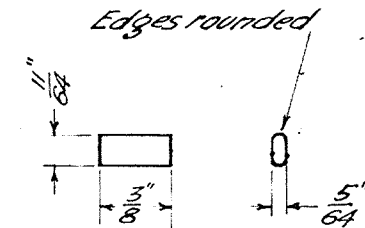
Valve Seating (for 5H188) 8H188

28-3-22



Convolutions  
17 1/2 SWG  
Spring Steel

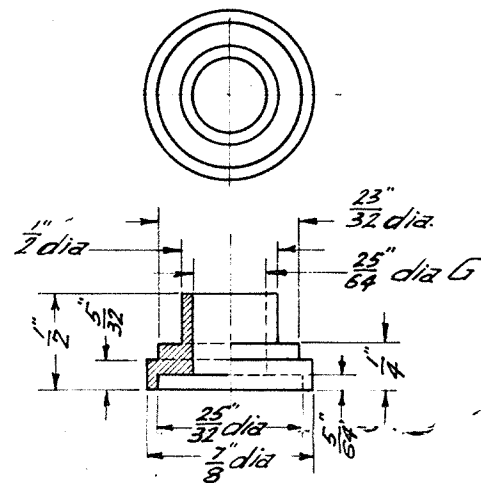
28-3-22 Spring (for 5H188) 10H188



M.S.

Cotter Pin (for 5H188) 11H188

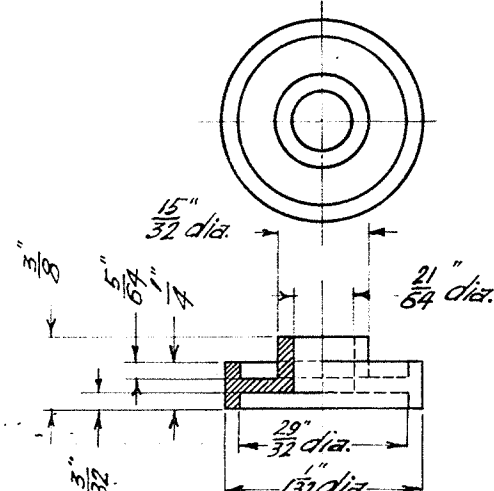
28-3-22



M.S.

Spring Collar (for 1H188) 3H188

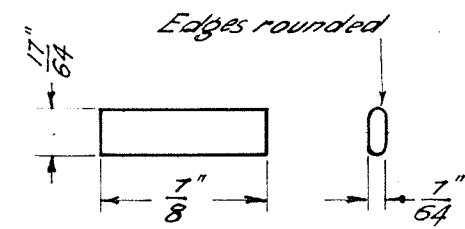
28-3-22



M.S.

Spring Collar (for 2H188) 4H188

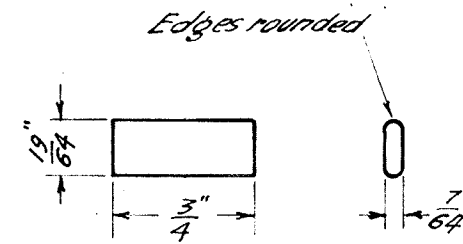
28-3-22



M.S.

Cotter Pin (for 2H188) 7H188

28-3-22



M.S.

Cotter Pin (for 1H188) 9H188

28-3-22

VICTORIAN RAILWAYS  
VALVES FOR MOTORS

807-22  
Engineer of Signals  
Drawn by F.L.W.  
Traced by F.L.W.  
S.S.6

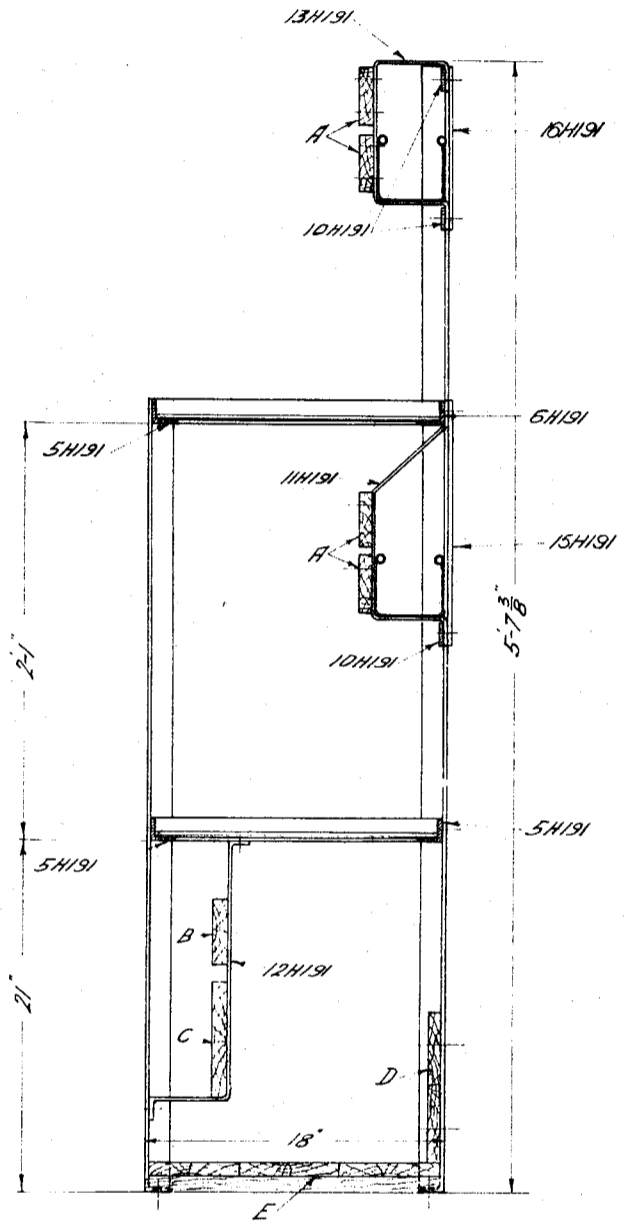
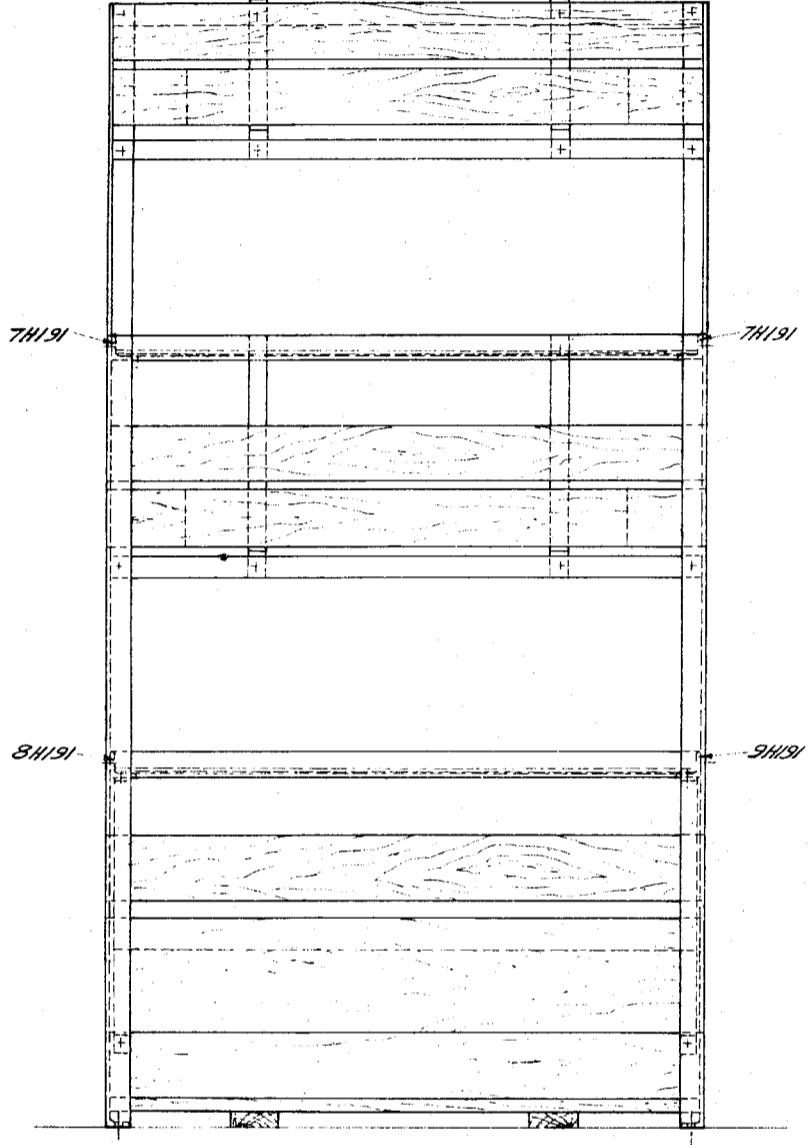
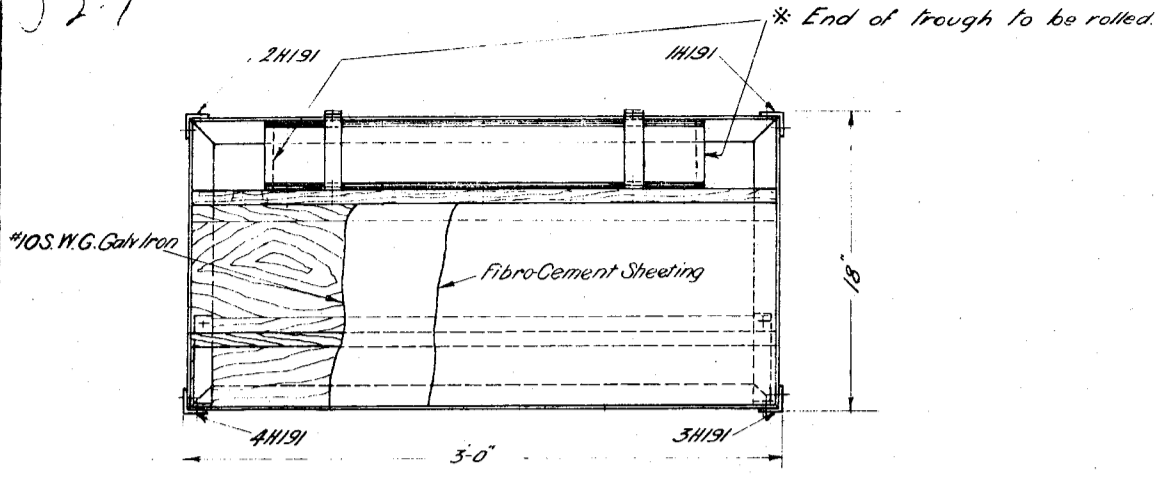
H188

28-3-22

RECORD PL. R 3082  
 NEW DATE 2/18/37

J 2-7  
 J 2-1

151



No	Name	Material	Qty
1H191	Back End Upright R.H.	M.S.	1
2H191	" " L.H.	"	1
3H191	Front End Upright R.H.	"	1
4H191	" " L.H.	"	1
5H191	Longitudinal	"	3
6H191	"	"	1
7H191	End Member	"	2
8H191	"	"	1
9H191	"	"	1
10H191	Strap	"	3
11H191	Trough & Panel Carrier	"	2
12H191	Panel Carrier	"	2
13H191	Trough & Panel Carrier	"	2
15H191	Strap	"	2
16H191	"	"	2
Stock	Panel-A $3\frac{1}{2} \times \frac{3}{4} \times 3'-0"$	Wood	4
"	B- $4\frac{1}{2} \times \frac{3}{4} \times 3'-0"$	"	1
"	C- $7 \times 1 \times 3'-0"$	"	1
"	Troughing $4 \times 4 \times 2'-3"$	S.I.	2
"	Wood Screws $N^{\circ} 8 \times \frac{3}{4}"$	M.S.	As Req.
"	Panel-D- $9 \times \frac{3}{4} \times 3'-0"$	Wood	1
"	Shelf-E- $17\frac{1}{2} \times \frac{3}{4} \times 3'-0"$	"	1
"	Shelf Curas per 14H191	Galv Iron	2
"	"	Fibro-Cem	2

See note above \*

H190

15-8-23  
 Alteration  
 No 52

VICTORIAN RAILWAYS  
 RELAY RACK  
 For 6 Relays  
 (To be used in Concrete House)

Engineer of Signals  
 Drawn by  
 Traced by

H190

24-5-22

-12.00.22

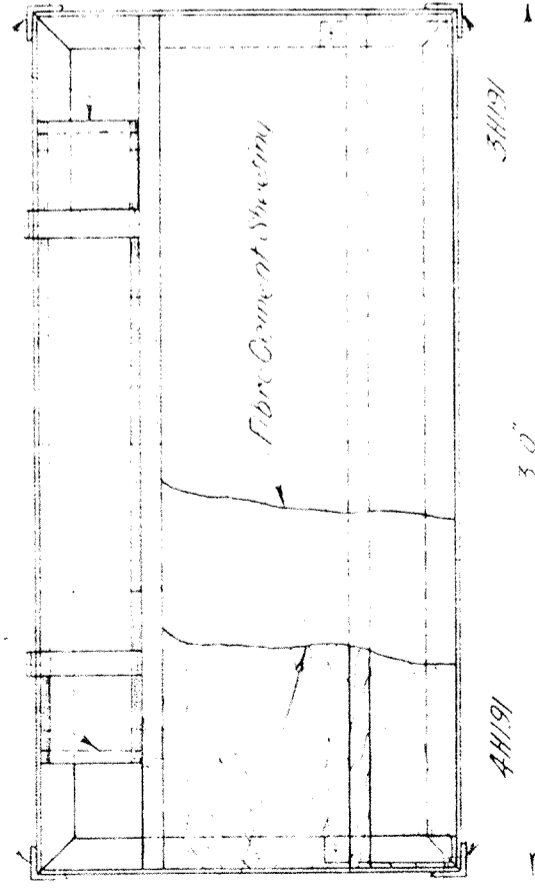
3082

17  
17

\* End of trough to be riveted

2H/191

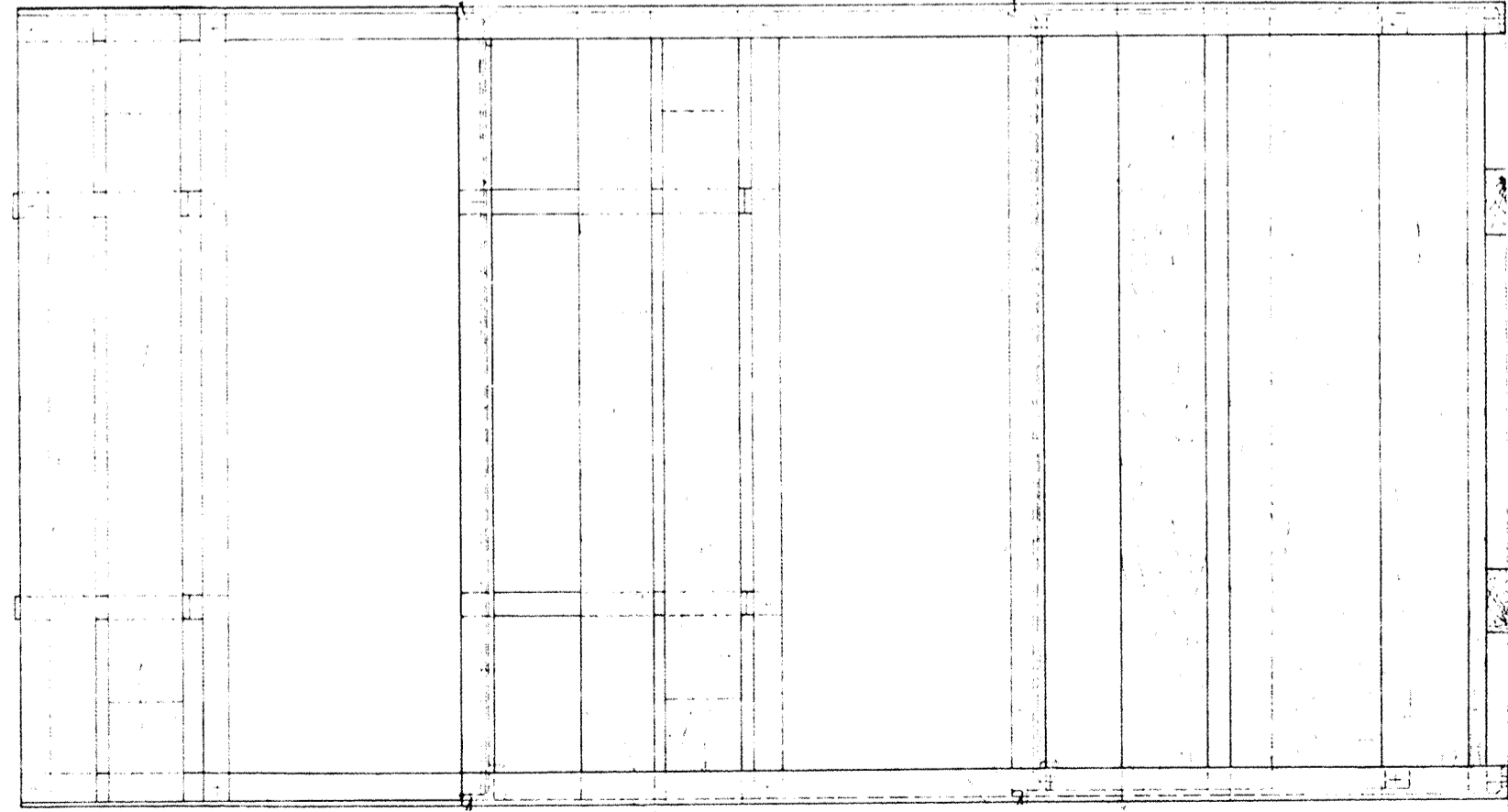
1H/191



OS W.C. Condit

3H/191

3'-0"



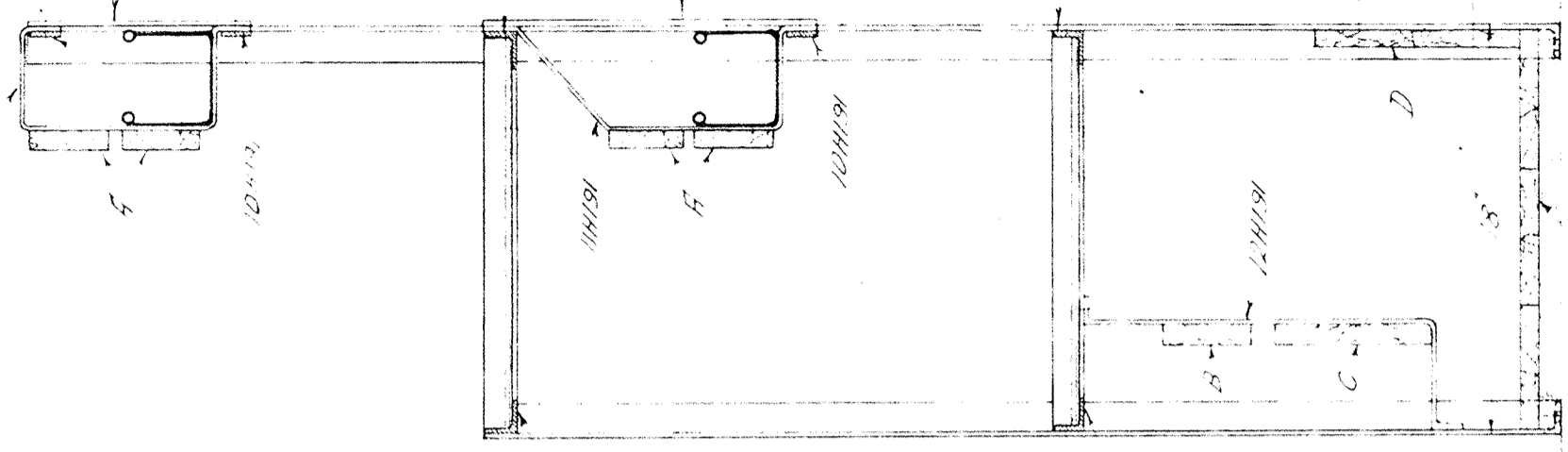
7H/191

7H/191

8H/191

3H/191

3H/191



16H/191

5H/191

7H/191

15H/191

5-7 8/16

2'-1"

5H/191

3H/191

5H/191

N <sup>o</sup>	Assn.	Material	Qty.
1H/191	Back End Upright	MS	1
2H/191	L.H.		1
3H/191	Front End Upright		1
4H/191	R.H.		1
5H/191	L. Vertical		3
6H/191	End Member		2
7H/191			1
8H/191			1
9H/191	Strip		3
10H/191	Trough & Panel Carrier		2
11H/191	Panel Carrier		2
12H/191	Trough & Panel Carrier		2
13H/191	Strip		2
14H/191			2
15H/191			2
16H/191			2
Stock	Panel A. 3 1/2" x 3'-0"	Wood	4
"	B. 4 1/4" x 3'-0"	"	1
"	C. 7.1" x 3'-0"	SI	2
"	Troughing 4" x 4" x 2'-3"	MS	AS Req
"	Wood Screws No. 8 x 3/4"		
"	Plates 3/8"		
"	Panel D. 5' x 3" x 3'-0"	Wood	1
"	Panel E. 17 1/2" x 3'-0"	Both Iron	2
"	Shelf Cut as per 14-H/191	Fibrolam	2

See note above X

15-8-23

VICTORIAN RAILWAYS

RELAY RACK

For 6 Relays  
(To be used in Control House)

Alteration  
N52

Designed by  
of Signals

Drawn by  
RUM

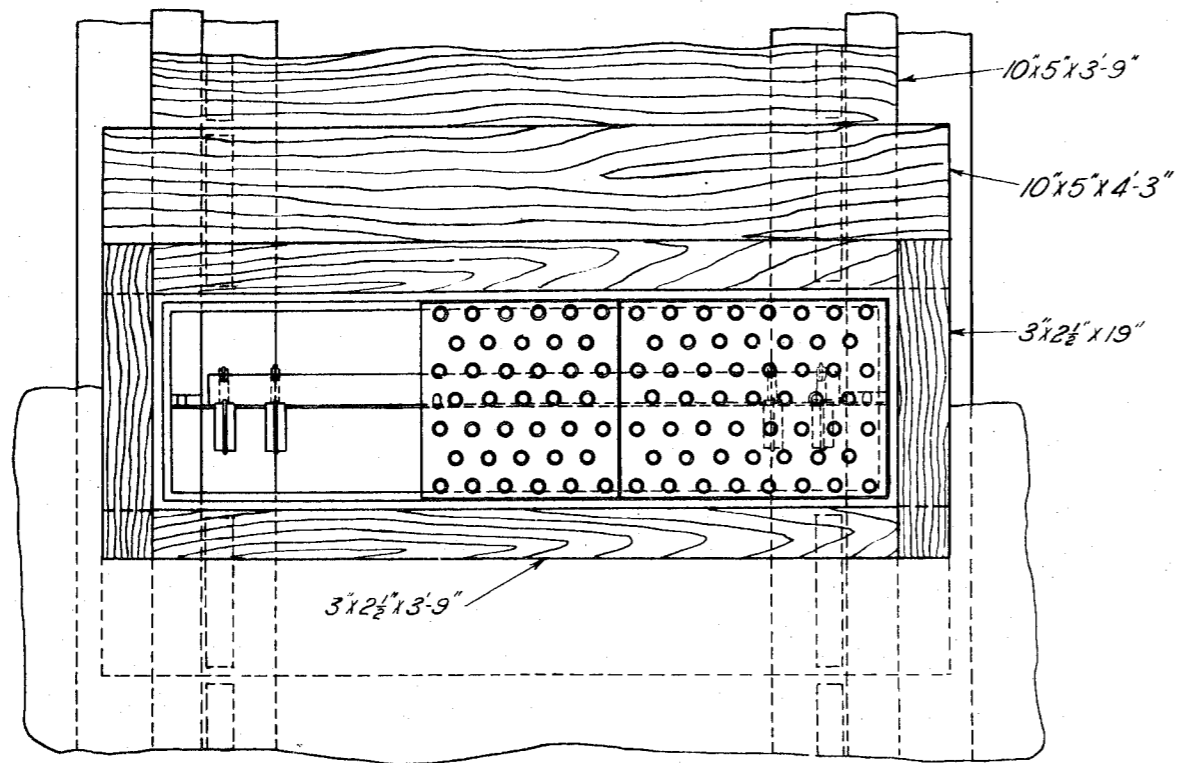
Issued by  
RUM



H/190

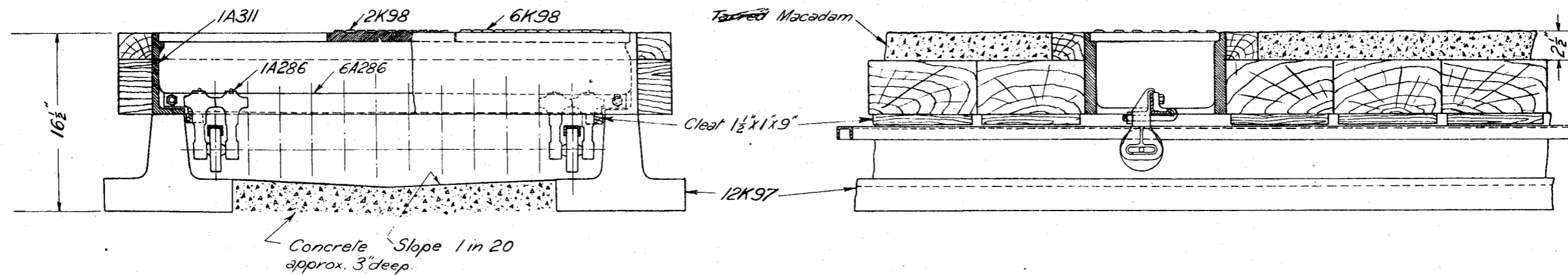
24-5-22

H/190



Quantities to be ordered as required.

Name	Mat.	12 Leads.	8 Leads.
Concrete Trunking	Reinf. Con.	12 or 13K97	12 or 13K97
Inspection Chamber	G.S.	1A311	2A311
Covers 2 per Insp. Chamber	"	6K98	6K98
1 " " "	"	2K98	-
Angle-iron Support	M.S.	6A286	7A286
Inspection Chamber Timbers	Hd. Wd.	10'5" x 4'-3"	10'5" x 3'-3 1/4"
Intermediate Timbers	"	10'5" x 3'-9"	10'5" x 2'-9"
Inspection Chamber Collar	"	3' x 2 1/2" x 19"	3' x 2 1/2" x 19"
		3' x 2 1/2" x 3'-9"	3' x 2 1/2" x 2'-9 1/2"
Cleats - 2 off for each Timber	"	1 1/2" x 1" x 9"	1 1/2" x 1" x 9"



Shewn for 12 Leads.

RECORD F.  
R 3101  
NEWCASTLE  
27.12.71

J-2-1

VICTORIAN RAILWAYS  
CONCRETE TRUNKING  
Typical Assembly

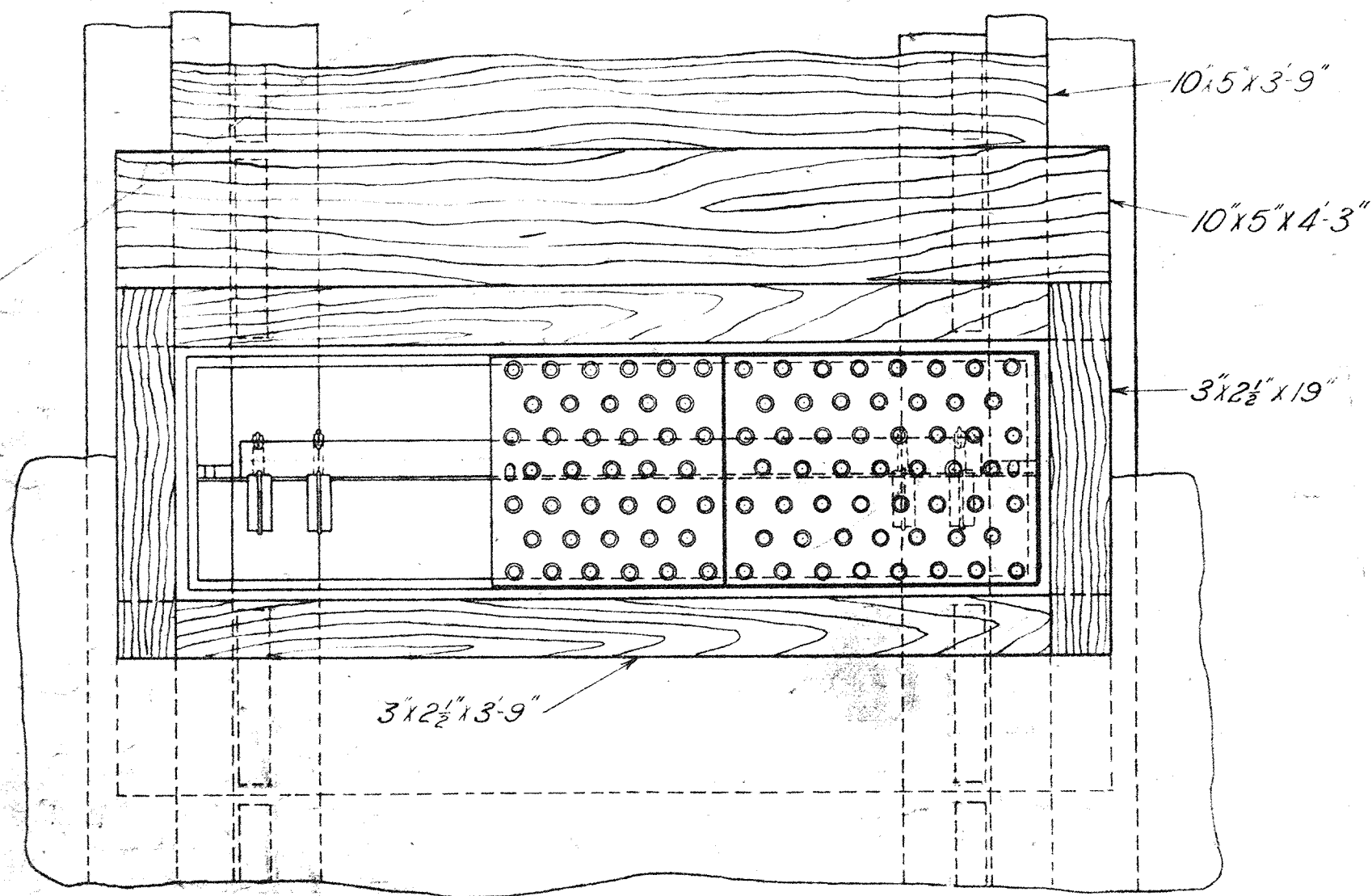
Chief Engr  
Sigs. Tels.  
Drawn by  
R.G.C.  
Traced by  
R.G.C.

2-8-22

H210

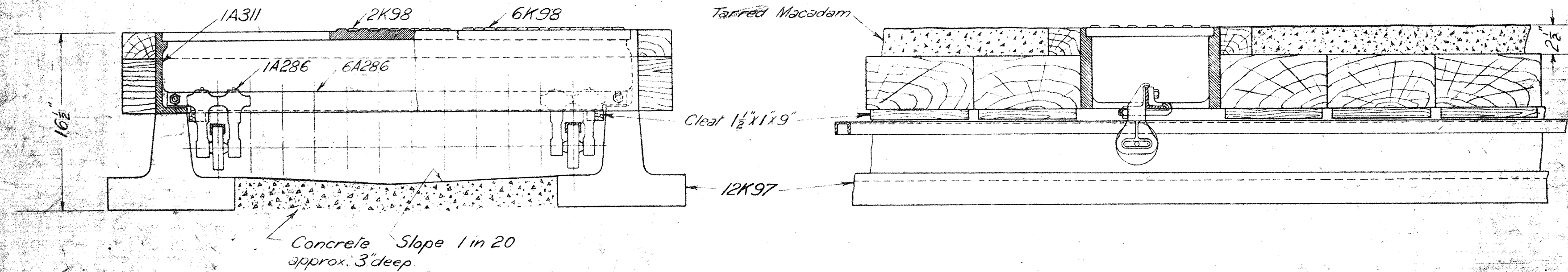
217 32





Quantities to be ordered as required

Name	Mat	12 Leads	8 Leads
Concrete Trunking	Reinf. Concr.	12 or 13K97	12 or 13K97
Inspection Chamber	C.S.	1A311	2A311
Covers 2 per Insp Chamber	"	6K98	6K98
1 "	"	2K98	-
Angle-iron Support	M.S.	6A286	7A286
Inspection Chamber Timbers	Ha. Wd.	10'5" x 4'3"	10'5" x 3'-3 1/2"
Intermediate Timbers	"	10'5" x 3'-9"	10'5" x 2'-9"
Inspection Chamber Cleat	"	3' x 2 1/2" x 19"	3' x 2 1/2" x 19"
		3' x 2 1/2" x 3'-9"	3' x 2 1/2" x 2'-9"
Cleats - 20ft for each Timber	"	1 1/2" x 1" x 9"	1 1/2" x 1" x 9"



Shewn for 12 Leads

3101

J-2-1

VICTORIAN RAILWAYS  
CONCRETE TRUNKING  
Typical Assembly

Chief Eng  
Sigs & Tels

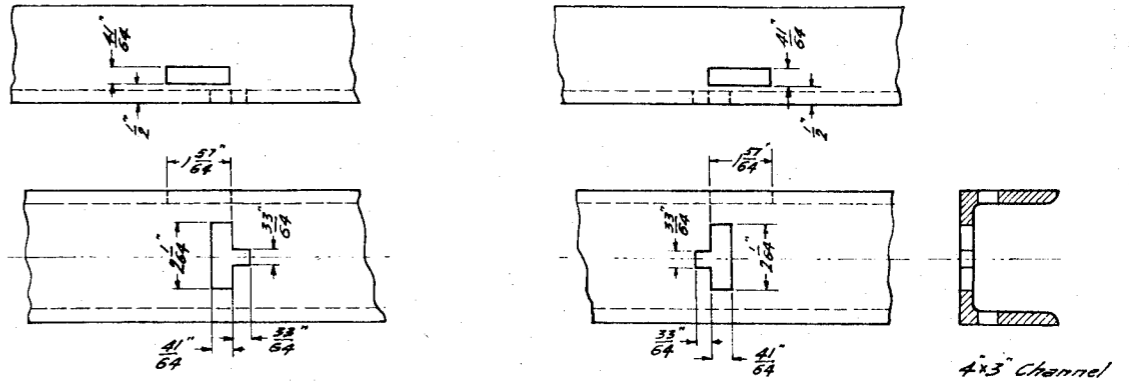
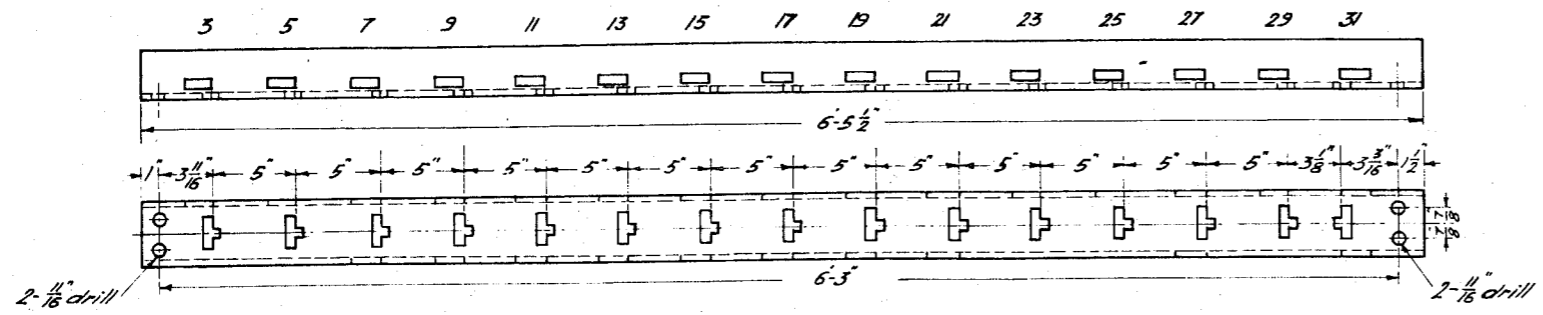
Drawn by  
R.B.C.

Traced by  
P.C.C.

2-8-22

H210

← 2" range 1/2"



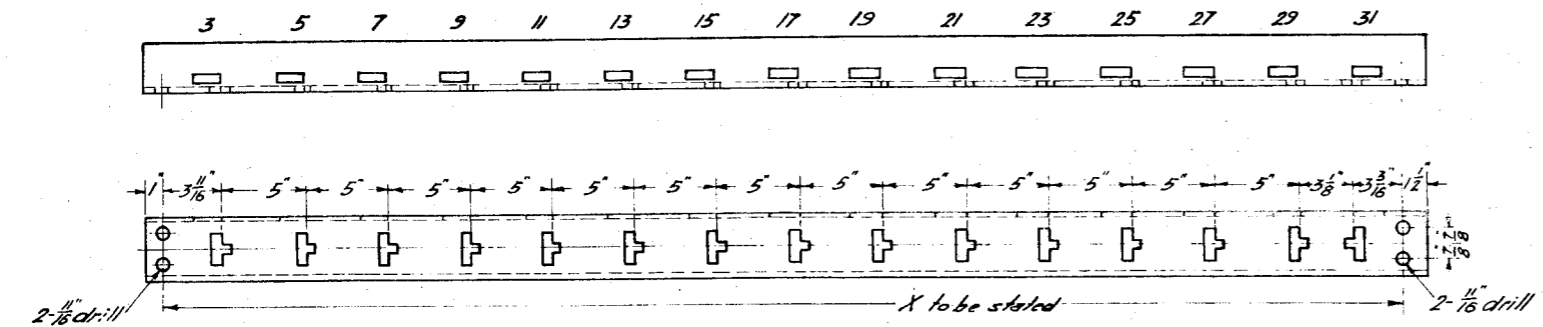
Detail of Slots No 3 to No 29.

Detail of Slot No 31.

13-10-22

Locking Channel (For Camberwell & Hawthorn)

1H223

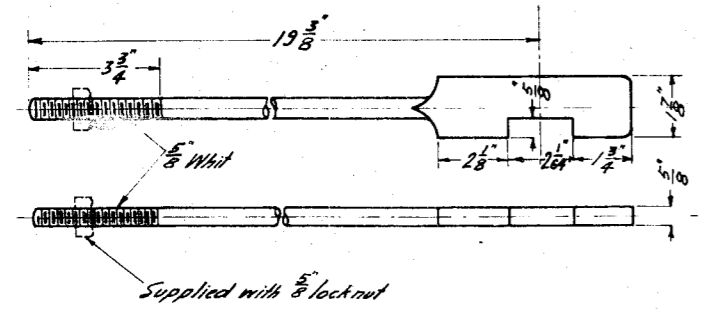


See detail of Slots on part No 1H223.

13-10-22

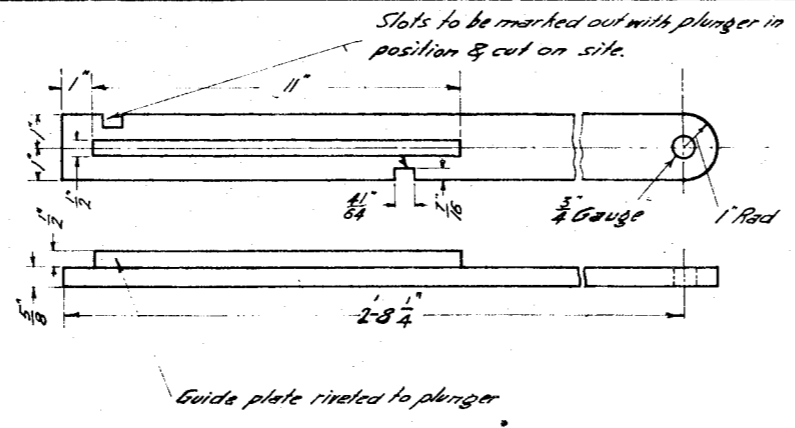
Locking Channel

2H223



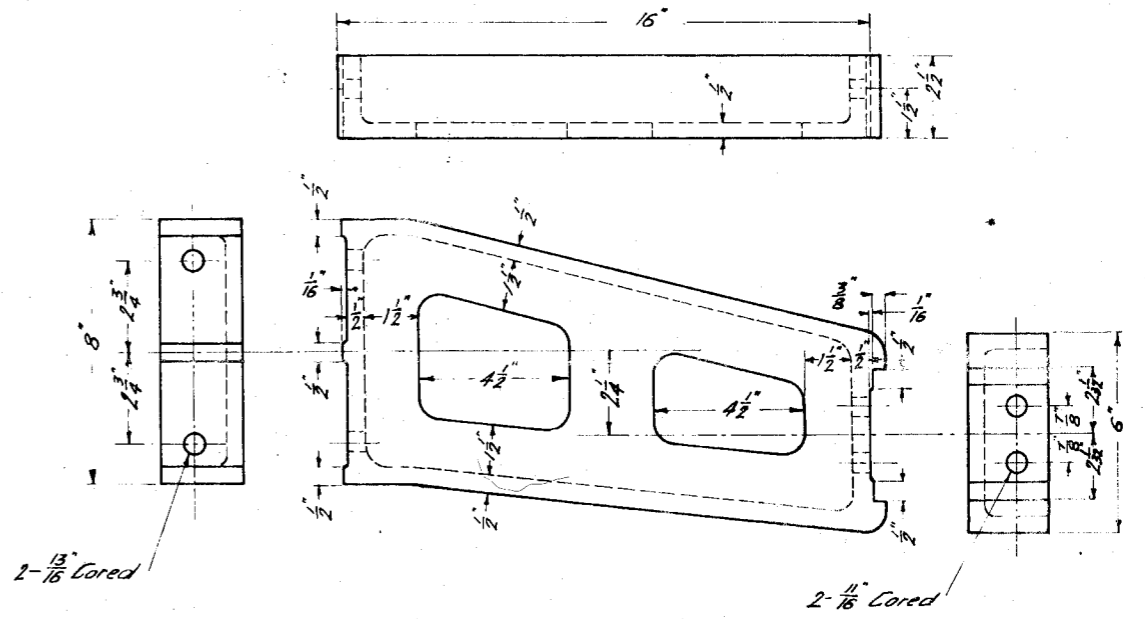
Vertical Plunger

3H223



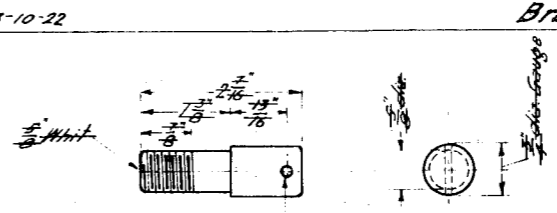
Horizontal Plunger

4H223



Bracket

5H223



Stud

6H223

13-10-22

13-10-22

FOR DIMENSIONS SEE F2753  
11-1-32 Alt. No 262  
13-10-22

RECORD R 3111  
NEW DATE 12/27  
S. J. 12/27

J 2-1

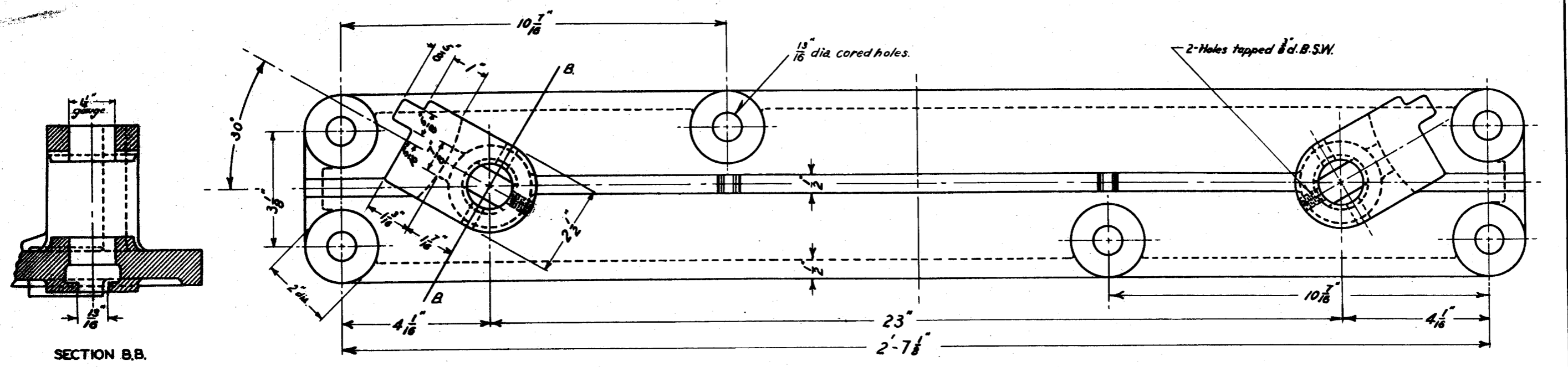
VICTORIAN RAILWAYS  
ELECTRO MECH INTER-MACHINE  
ASSEMBLY K116  
DETAILS

3075-22  
Checked Eng. or Supt. & Tested  
Drawn by  
Traced by

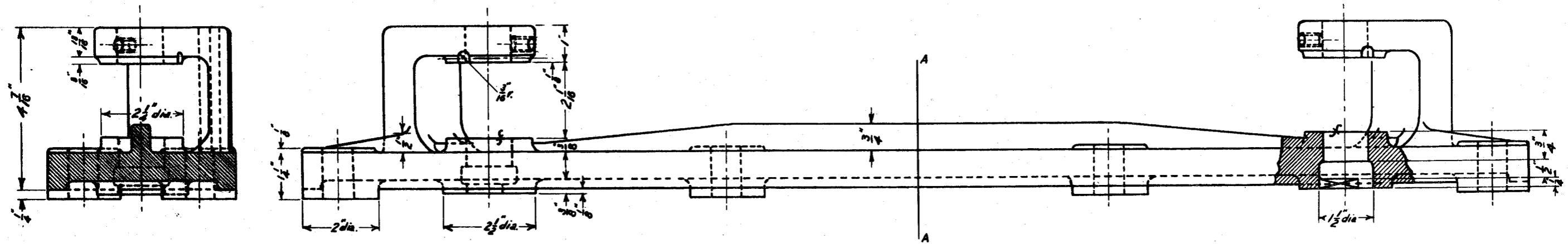
H223

13-10-22

← 24 Whiting JWP 781



SECTION B.B.



SECTION A.A.

C.I.  
BASE

1871-60/Alt. 990  
8-6-53/Alt. 799.



Redrawn including Alt  
N<sup>o</sup>s 155 & 322. Original  
Dated, 20-12-22.

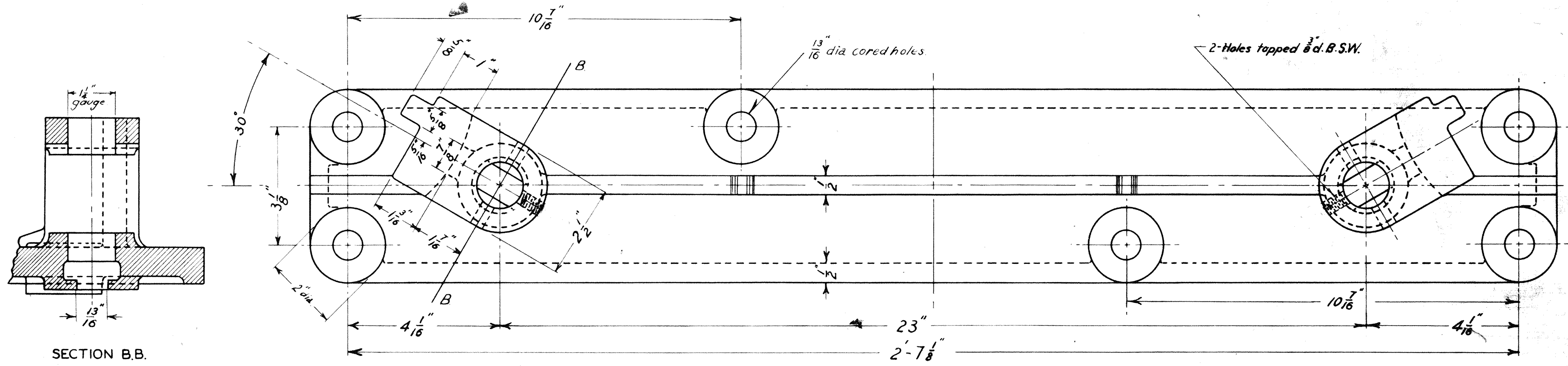
VICTORIAN RAILWAYS  
**BASE FOR  
COMPENSATOR**  
TYPE 'C'

Sig. & Tol. Engineer <i>[Signature]</i>	Drawn by E.W.L. <i>[Signature]</i>	Traced by E.W.L. <i>[Signature]</i>
---	--	---

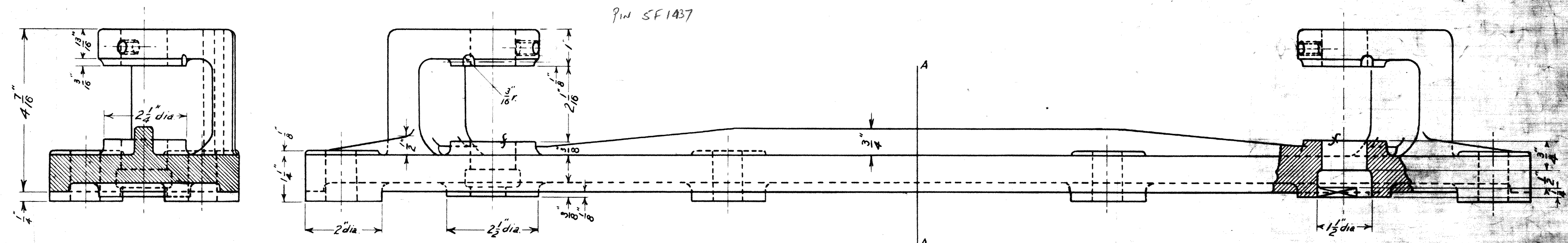
**H225**

8-6-53.

IH225



SECTION B.B.



SECTION A.A.

C.I.  
BASE

18-1-60/Alt. 930  
8-6-53/Alt. 799.

J2-1  
3/13

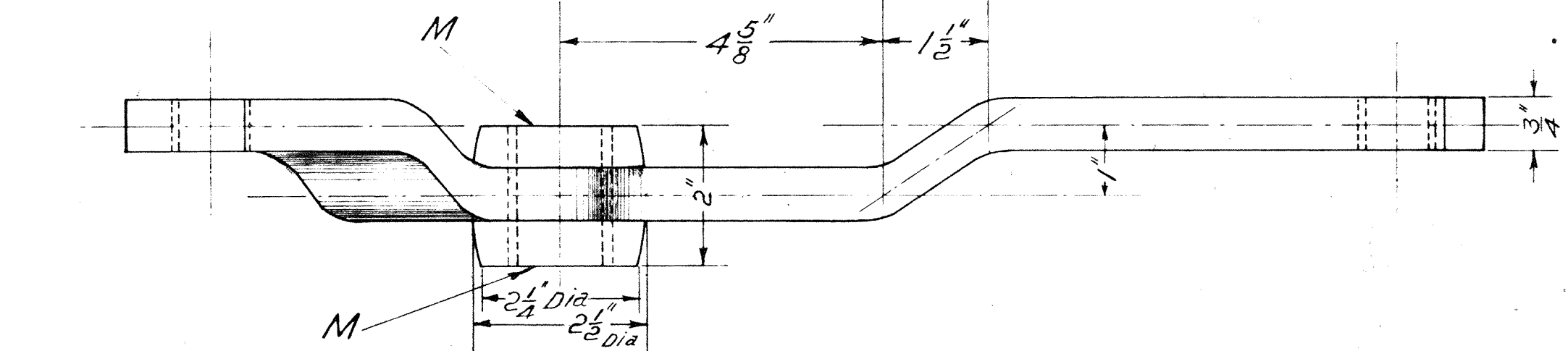
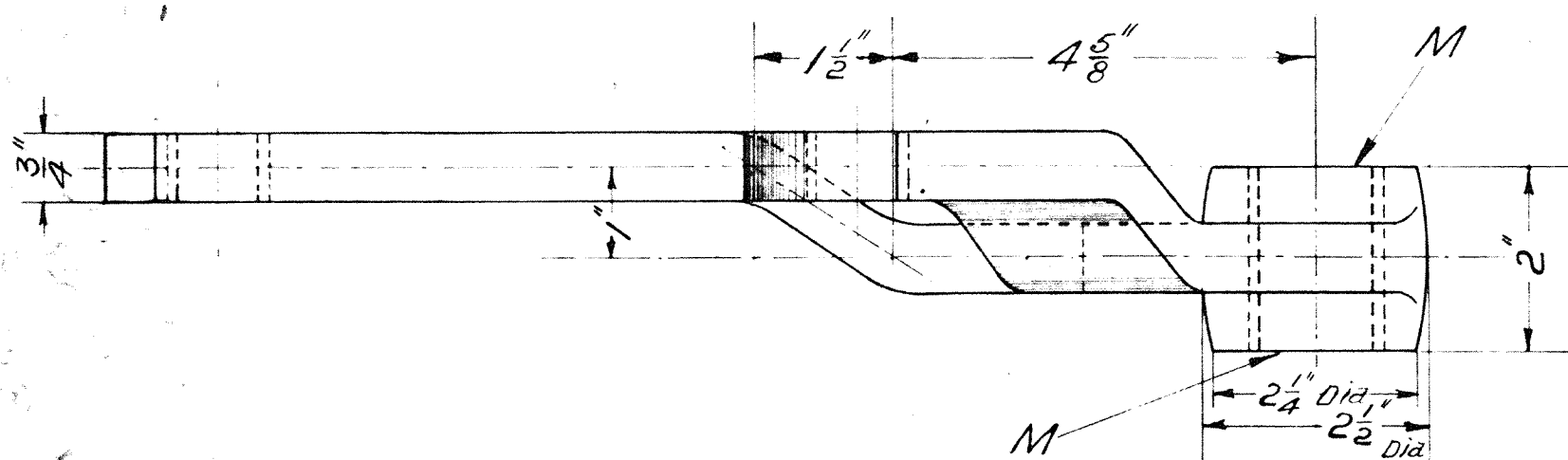
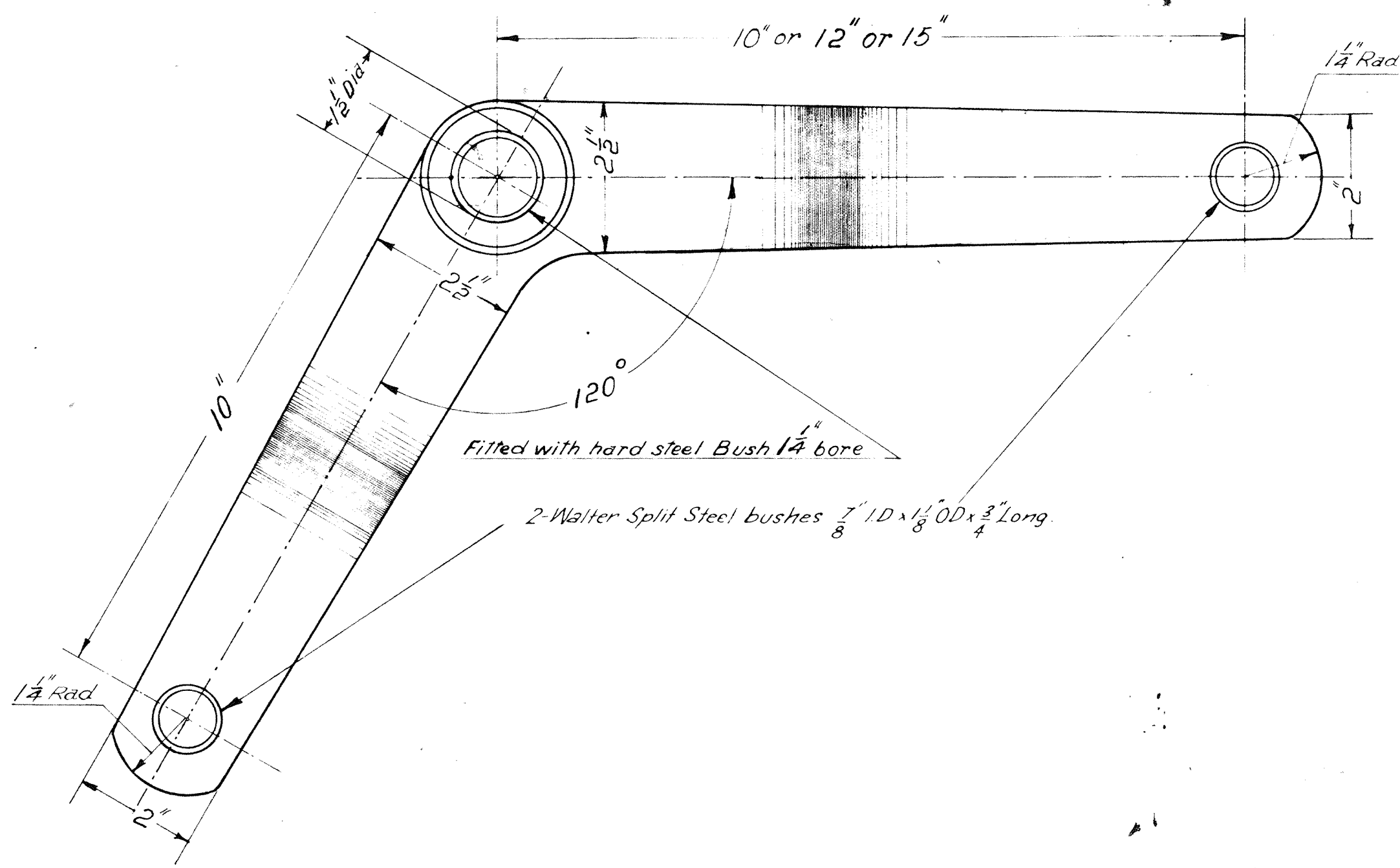
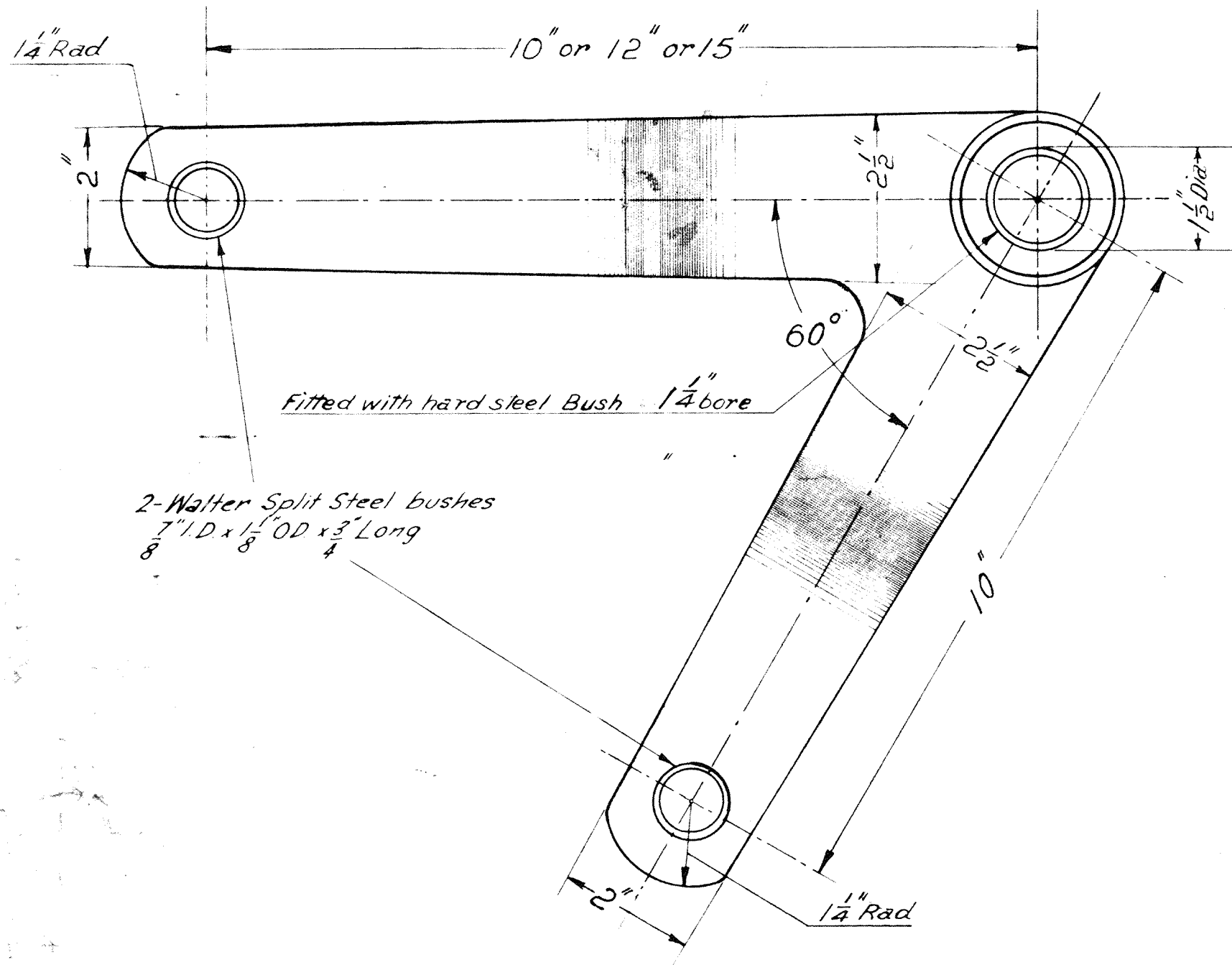
Redrawn including Alt  
Nos 155 & 322. Original  
Dated, 20-12-22.

VICTORIAN RAILWAYS  
**BASE FOR  
COMPENSATOR**  
TYPE C

Sig. & Tel. Engineer <i>[Signature]</i>	Drawn by E.W.L. <i>[Signature]</i>	Traced by E.W.L. <i>[Signature]</i>
---	--	---

**H225**

8-6-53.



Special 10" Crank - 5H226.  
 Special 15" Crank - 3H226  
 Standard 12" " - 1H226

Special 10 Crank - 6H226.  
 Special 15" Crank - 4H226  
 Standard 12" " - 2H226

W.I  
 CRANK

W.I  
 CRANK

Parts 5H226  
 & 6H226 added.

VICTORIAN RAILWAYS  
 CRANKS  
 for  
 COMPENSATOR

Chief Eng <sup>n</sup> of Sig <sup>s</sup> & Teleg <sup>s</sup>	Drawn by C.E.W.	Traced by C.E.W.
---	--------------------	---------------------

**H226**

Scale - Half size Type C  
 20.12.22

Alt 770.  
 22

24.10.51 Alt 770.  
 20.12.22

19-3-97

W.V.S.

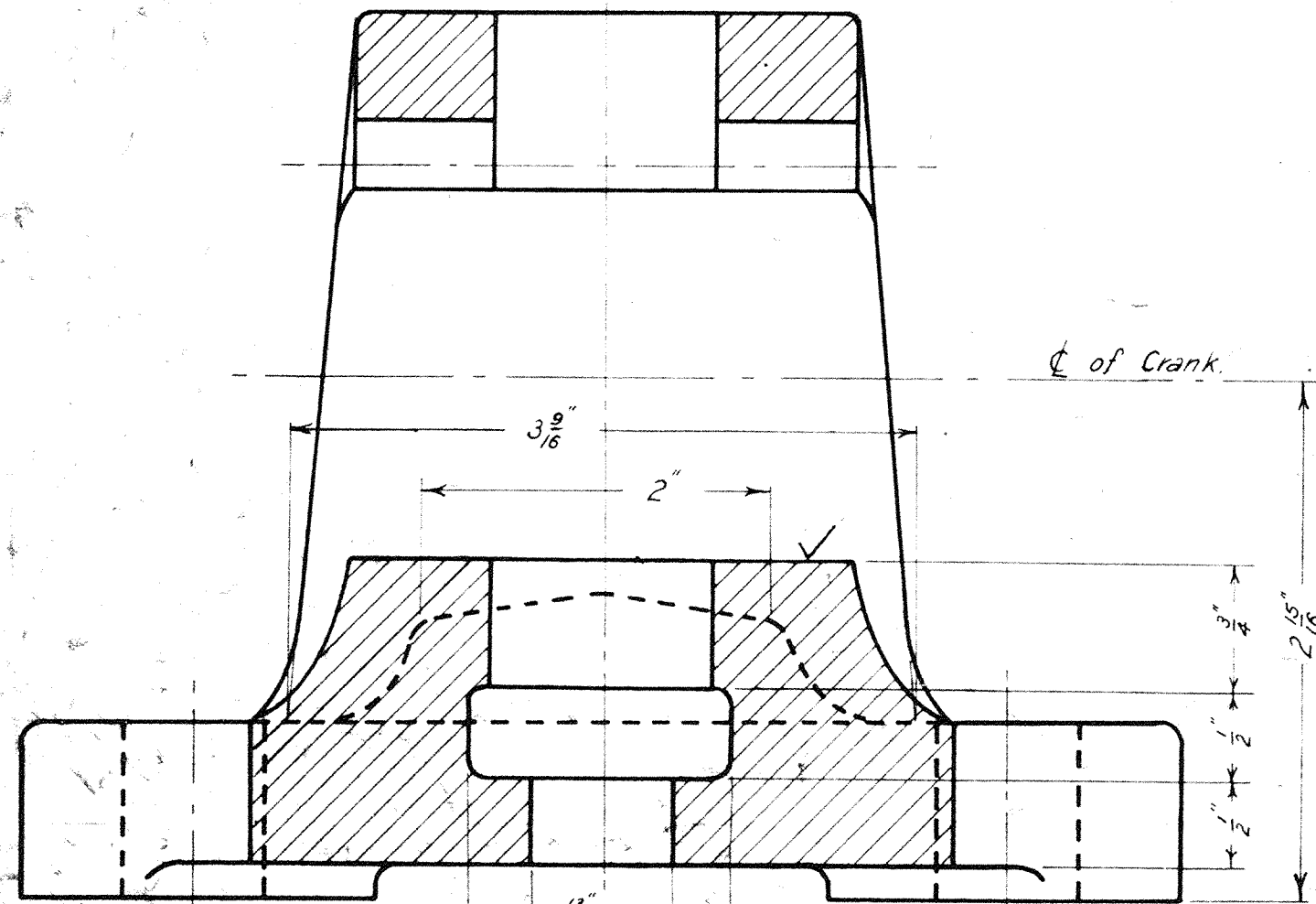
20.12.22

J.2-1

3115

J.2-1

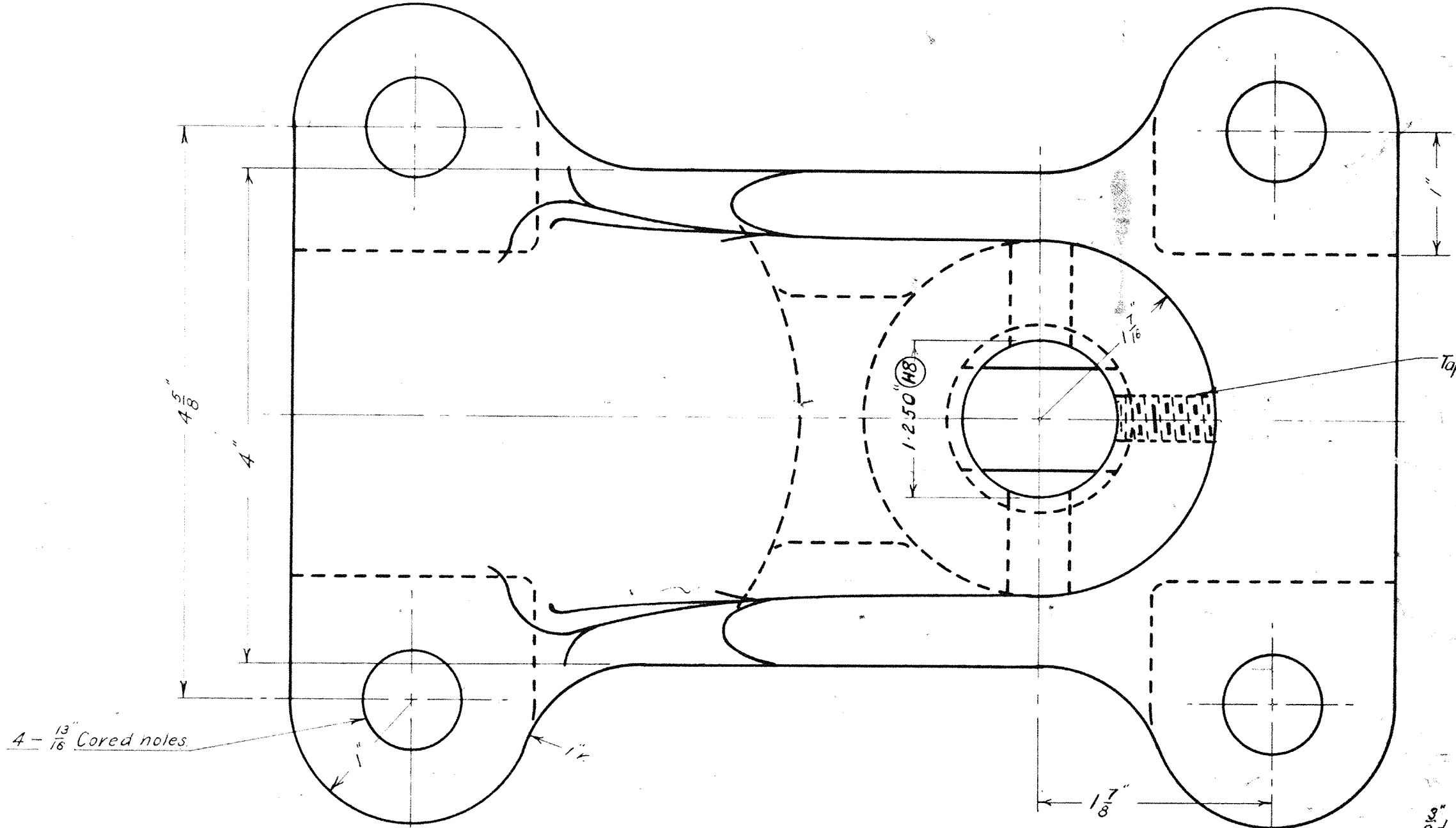
78-1-60 / AH. N° 990  
8-6-53 / AH. N° 799



SECTION A.A.

Finish : Torred.

4 -  $\frac{13}{16}$  Cored holes

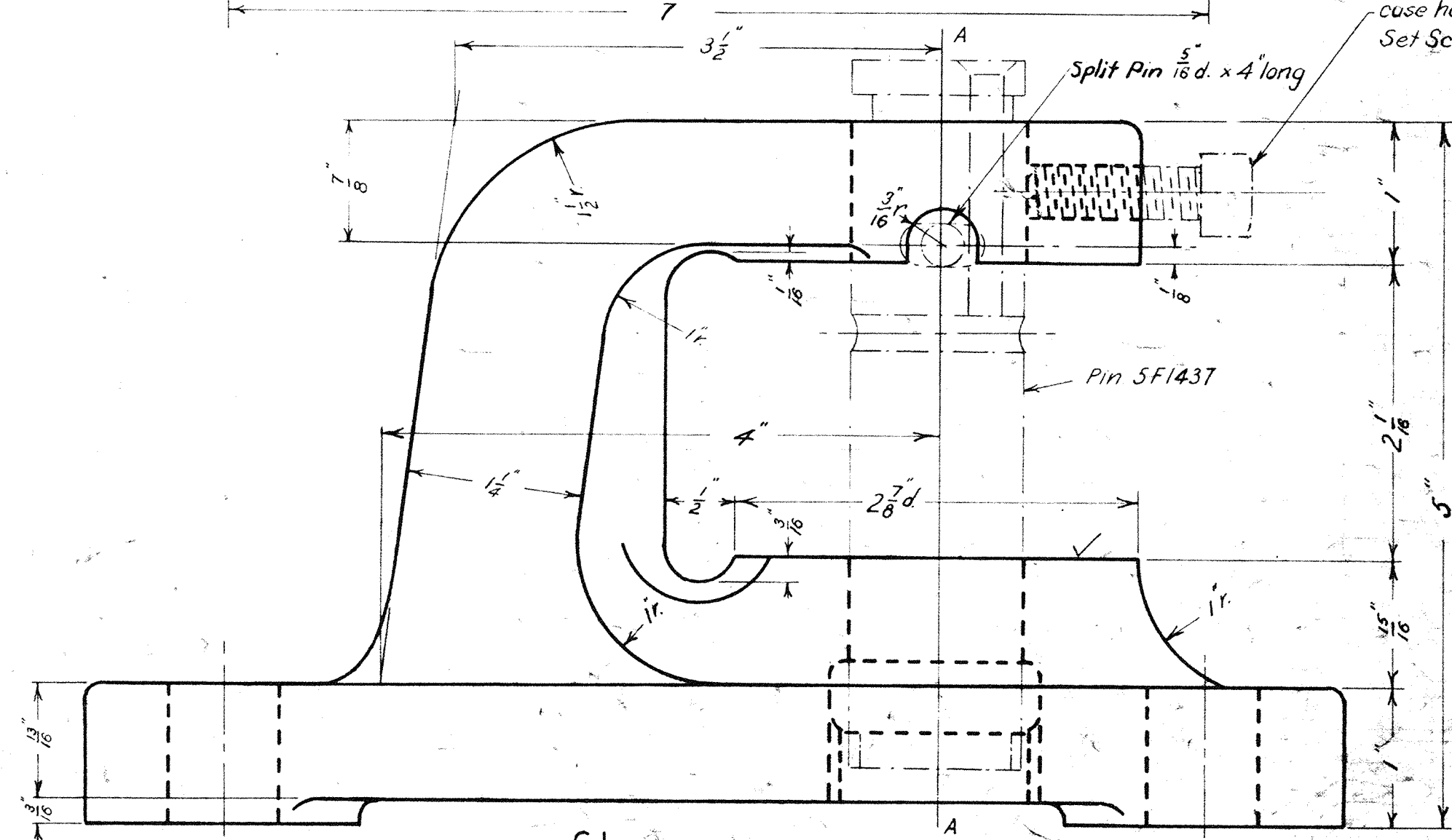


Tapped  $\frac{3}{8}$  d. B.S.W.

$\frac{3}{8}$  d. Sq hd. Cup pointed case hardened M.S. Set Screw  $\frac{1}{4}$  long

Split Pin  $\frac{5}{16}$  d. x 4" long

Pin 5F1437



C.I. CRANK STAND

CRANK STAND ONLY  
CRANK STAND WITH PIN 5F1437, SPLIT PIN & SET SCREW

— 1H227  
— 2H227

Sig. & Tel. Engineer	Drawn by E.W.L.	Traced by E.W.L.
----------------------	-----------------	------------------

VICTORIAN RAILWAYS  
**CRANK STAND**  
ONE-WAY HORIZONTAL  
TYPE C

8-6-53

Redrawn including Revisions 1 & 2 and App. Nos. 153, 332 & 422  
Original dated 20-12-22.

Tolerances - except where otherwise stated -  
Decimal : 0.05"  
Fraction :  $\frac{64}$   
3rd Angle Projection

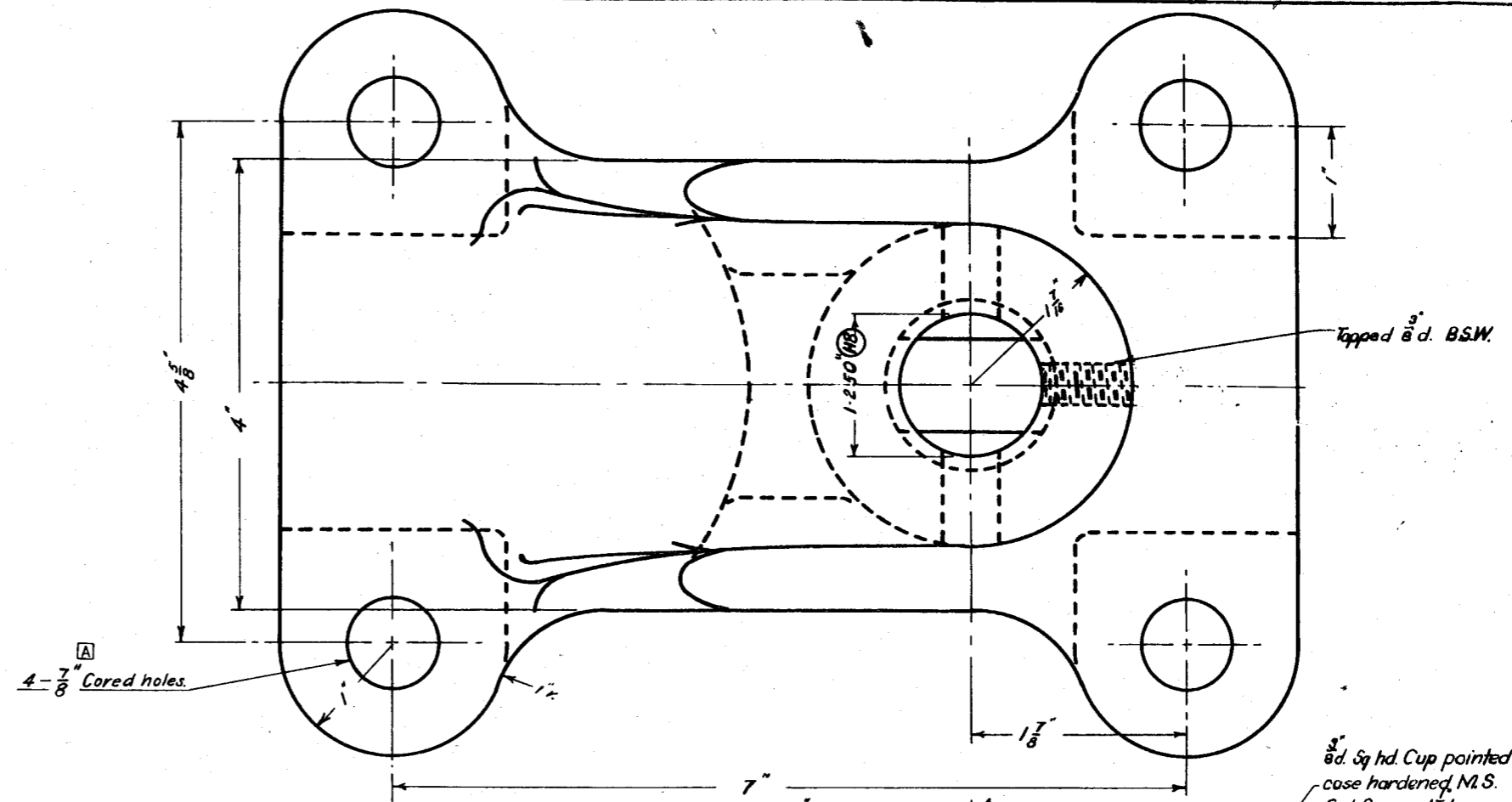
Air. No. 1061  
2.3.61

H227

Ja-1

R 3115  
REVISED  
DATE

← 2" Margin



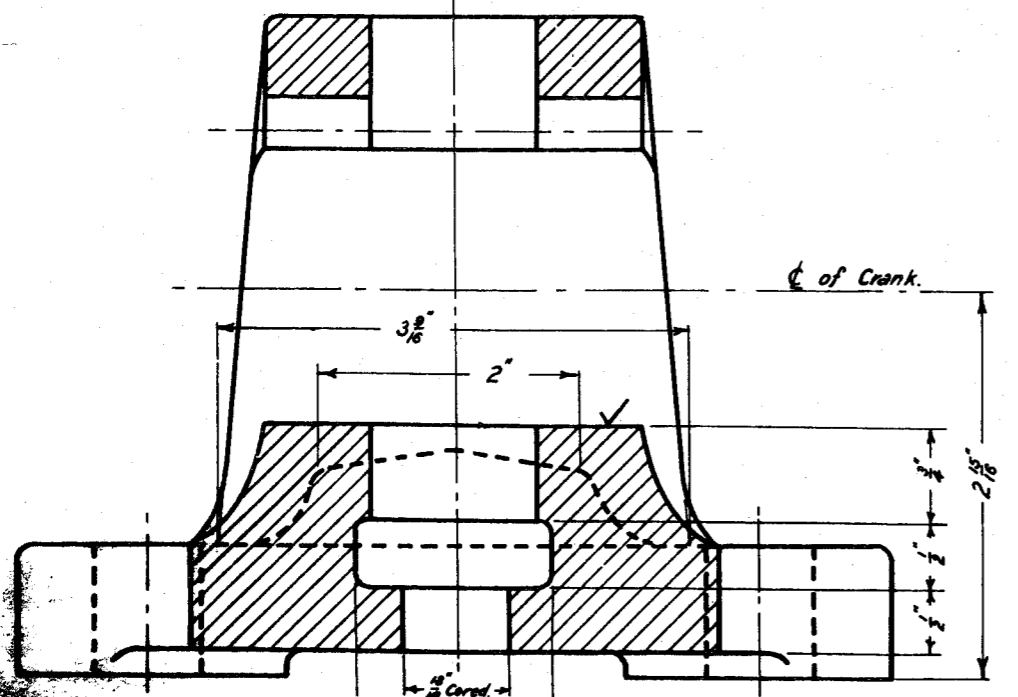
A  
4 - 7/8\" Cored holes.

Topped 3/8\" d. B.S.W.

3/8\" Sq hd. Cup pointed case hardened N.S. Set Screw 1/4\" long

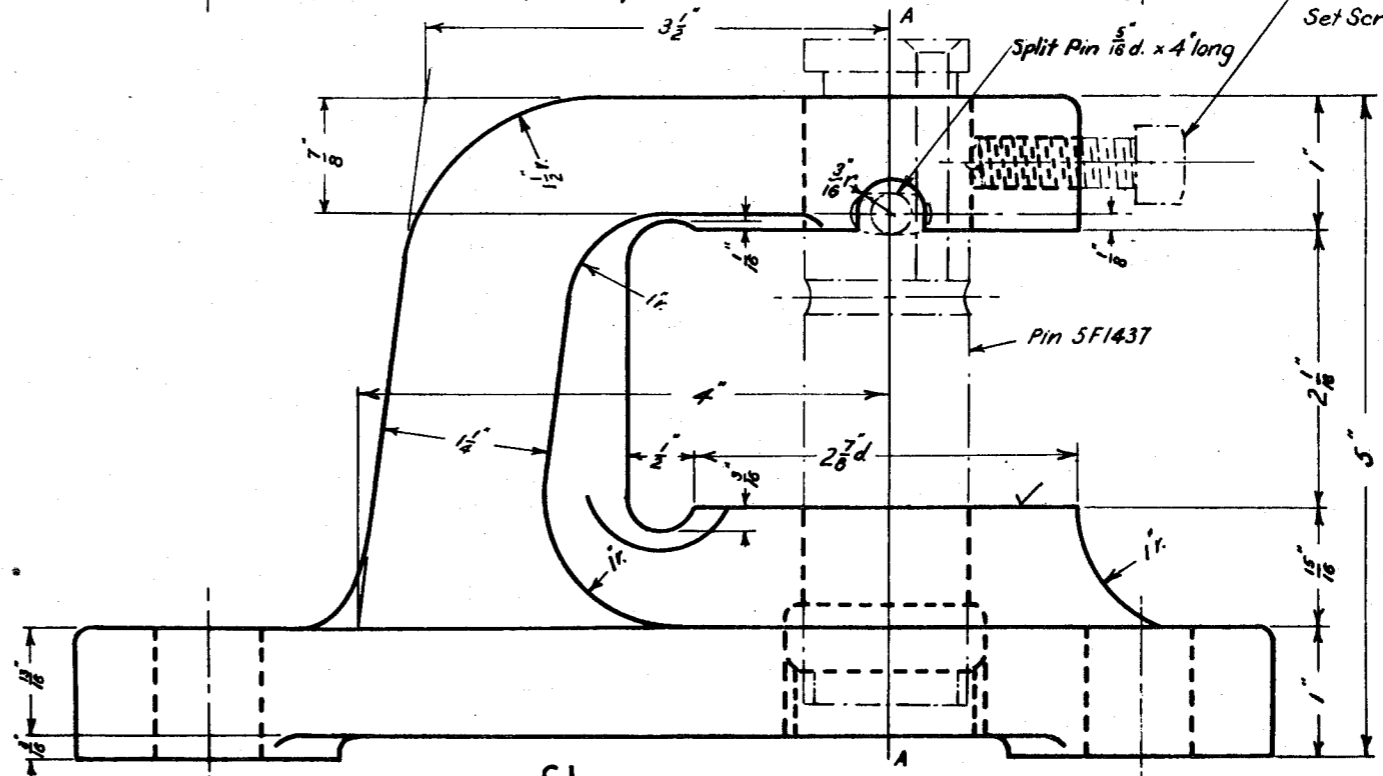
Split Pin 5/16\" d. x 4\" long

Pin SF1437



SECTION A.A.

Finish - Torred.



CRANK STAND

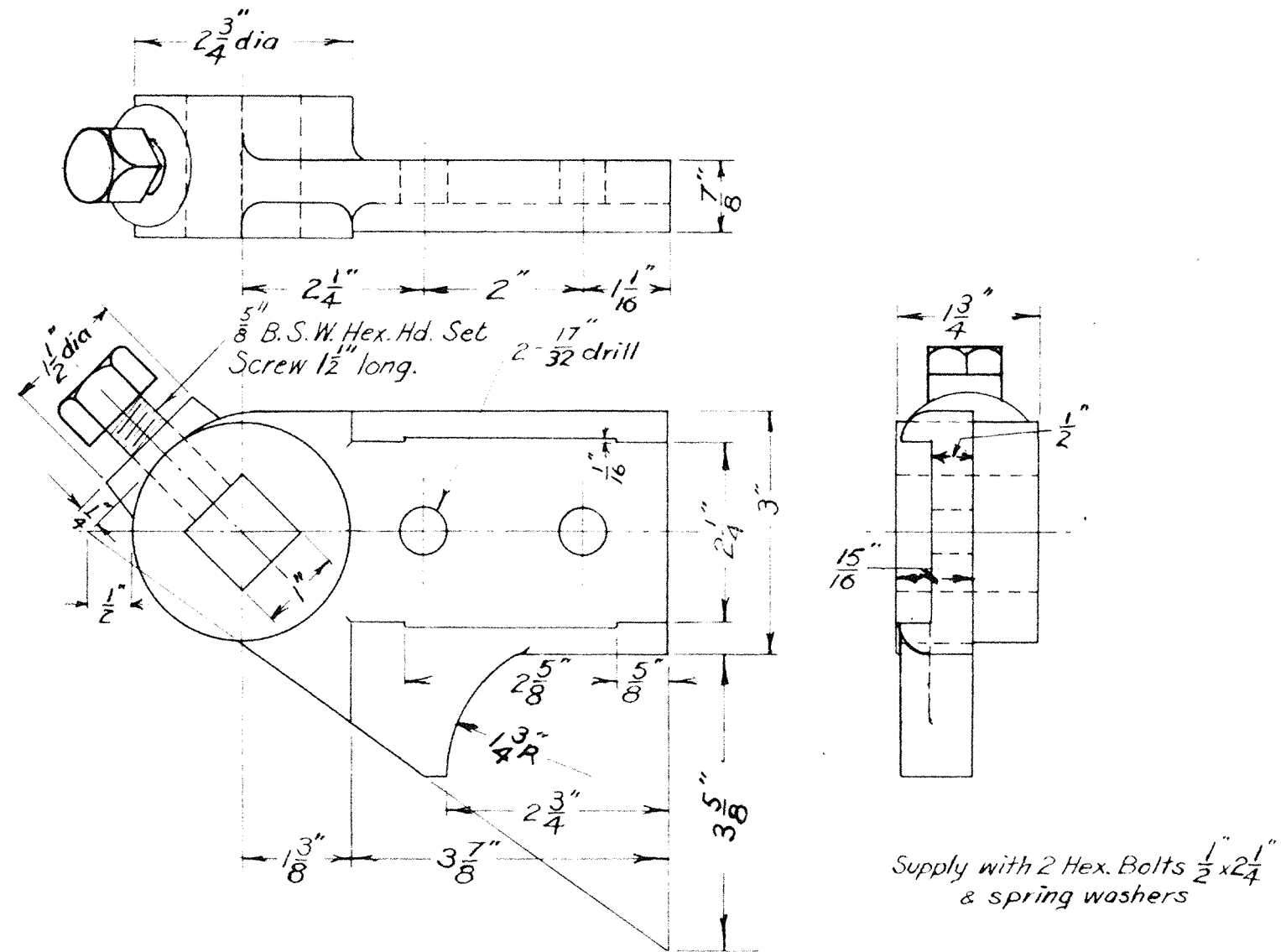
CRANK STAND ONLY  
CRANK STAND WITH PINS SF1437, SPLIT PIN & SET SCREW

— 1H227  
— 2H227

J.M.J.P.T. 4-5-38 A	Holes 7/8\" dia. were 19/16\" dia.	Mk. N°1061 2-3-61	Tolerances - except where otherwise stated - Decimal - .005\" Fraction - 64 3rd. Angle Projection	Redrawn including Revisors 1 & 2 and All's Nos 183, 322 & 422. Original dated 20-12-22.	VICTORIAN RAILWAYS CRANK STAND ONE-WAY HORIZONTAL TYPE C	Sig. & Tel. Engineer E.W.L.	Drawn by E.W.L.	Traced by E.W.L.
						H227	A	

1834

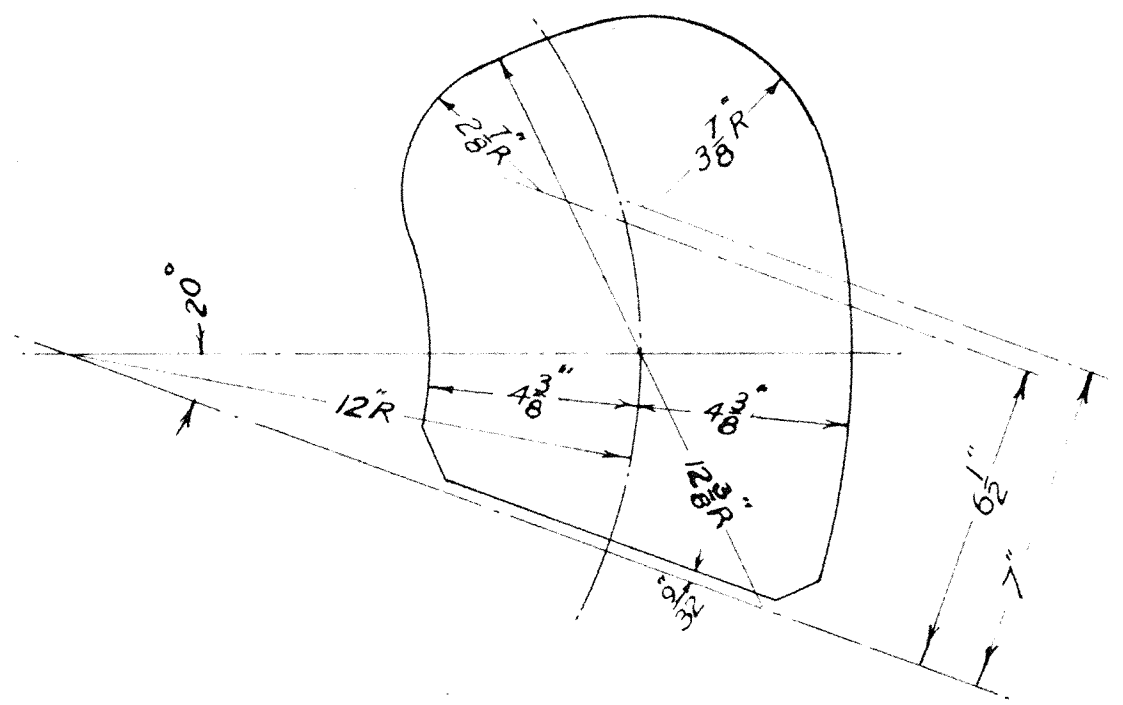
R 3115  
Ja-1



Alt. 1607/30-10-73  
Alt. 616

C.I.  
HOLDER

2H235

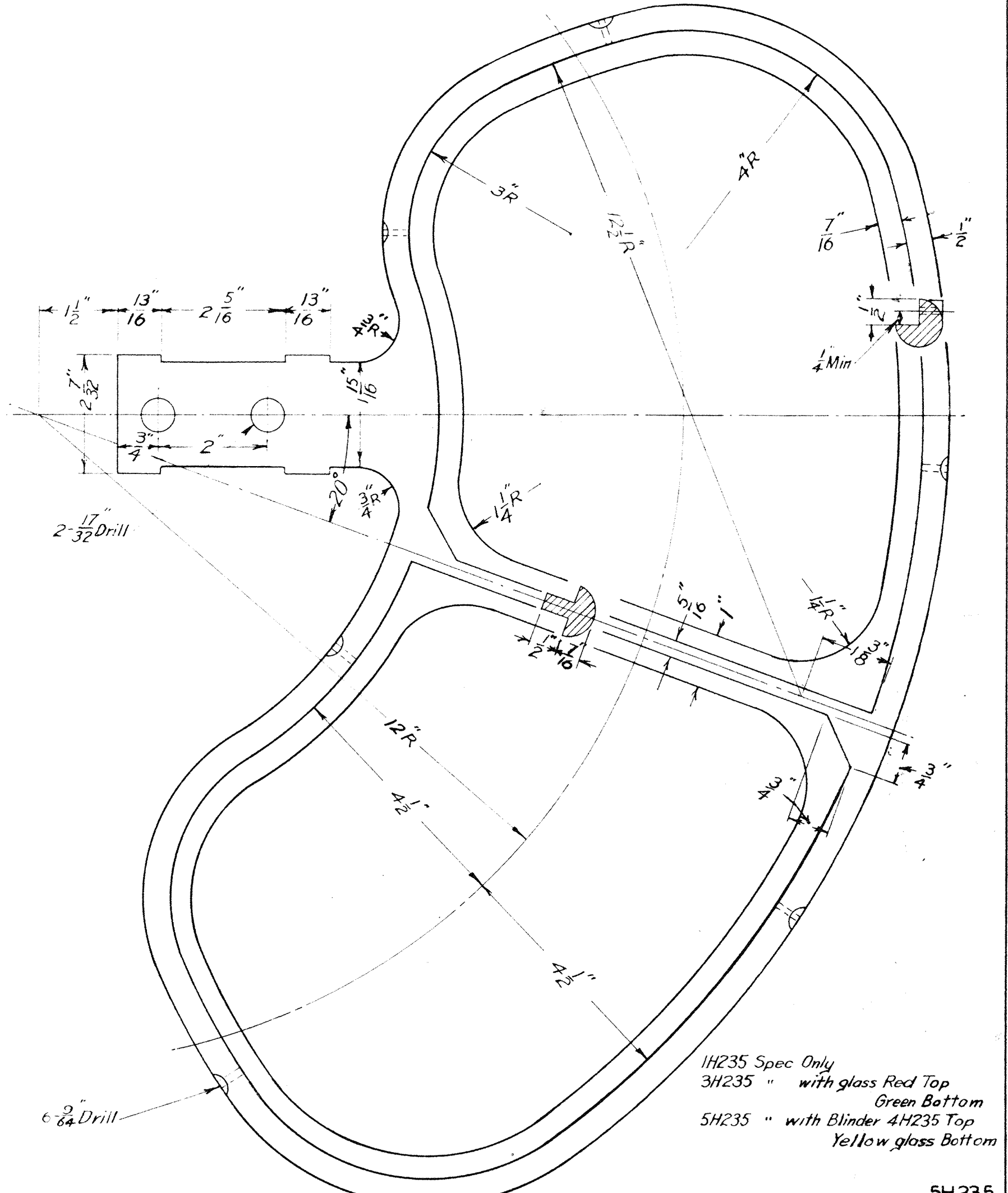


12-3-53/111 N°1360

M.S. 20 Gauge  
BLINDER

4H235

Alt. 824  
Alt. 616



C.I.  
SPECTACLE TYPE "A"

1H235 Spec Only  
3H235 " with glass Red Top  
Green Bottom  
5H235 " with Blinder 4H235 Top  
Yellow glass Bottom

5H235  
3H235  
1H235

Redrawn including  
Revision N°1 & 2 &  
alterations N°616 & 824  
Originally Dated 23-2-23

VICTORIAN RAILWAYS  
MECHANICAL SEMAPHORE  
BALANCED ARM TYPE  
SPECTACLE DETAILS

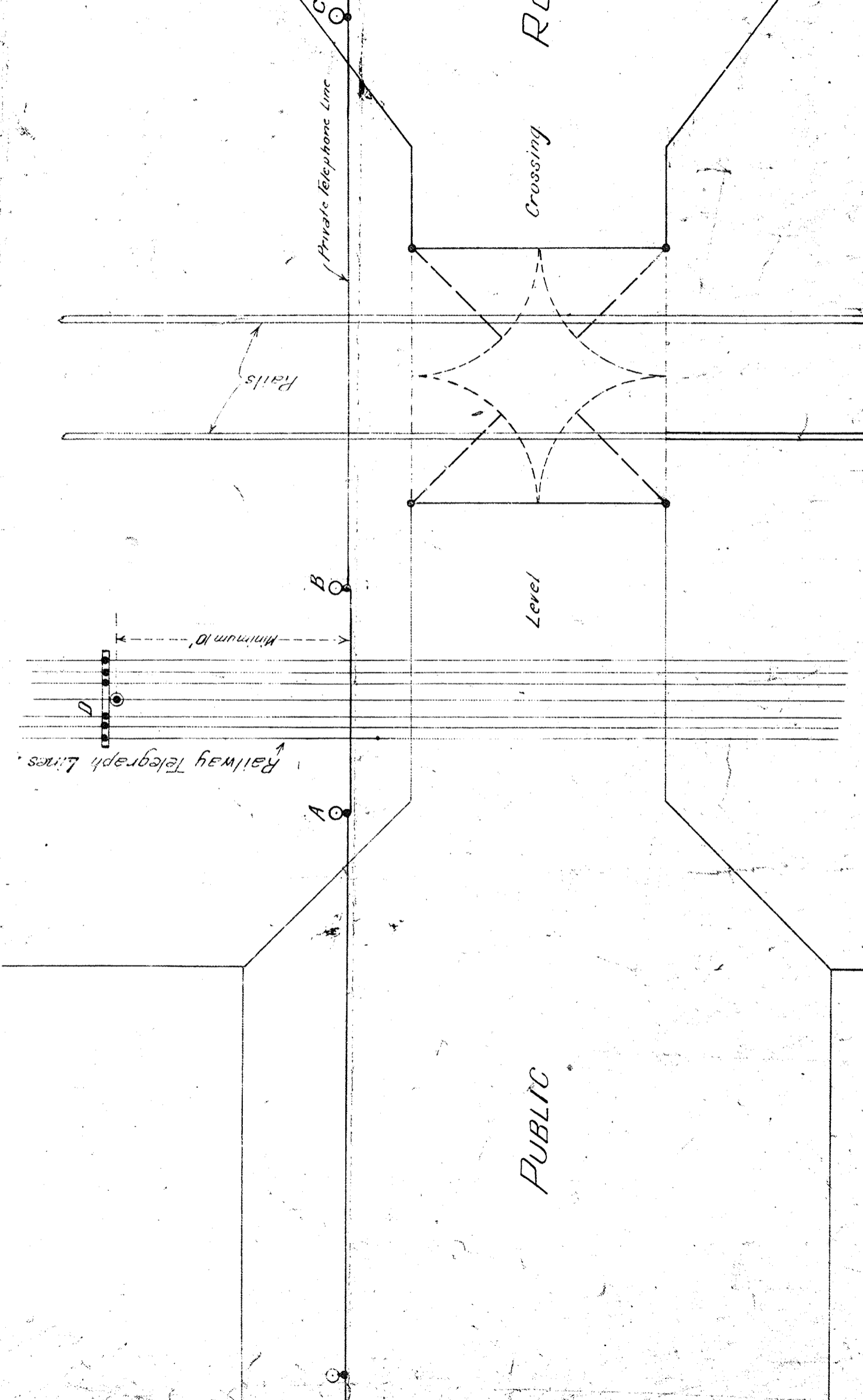
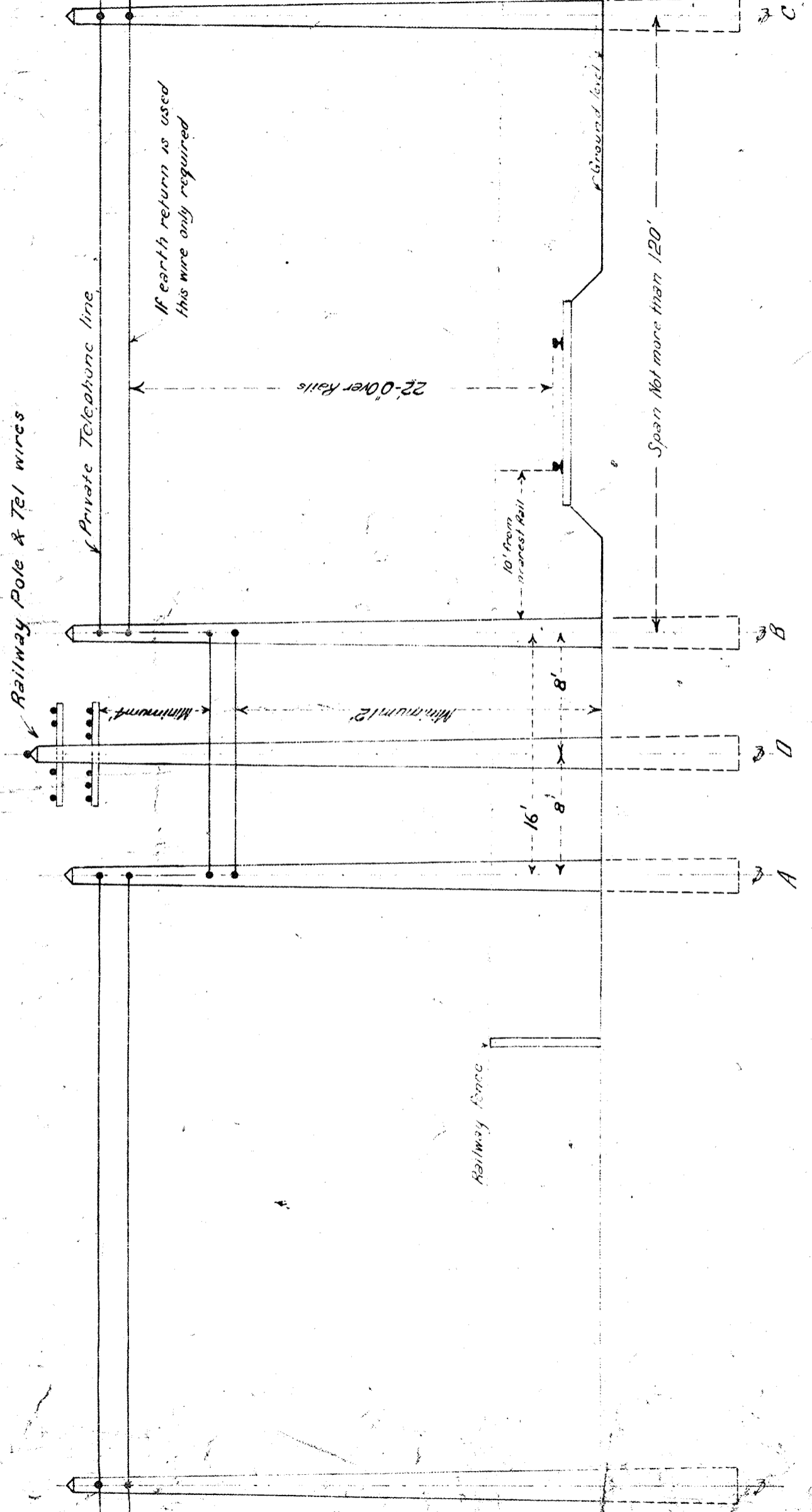
SIC & TEL ENGINEER	DRAWN BY W.A.S.	TRACED BY W.A.S.
<i>CMY</i>	<i>W.A.S.</i>	<i>W.A.S.</i>

14-12-54

**H235**

3122.  
J2-2.



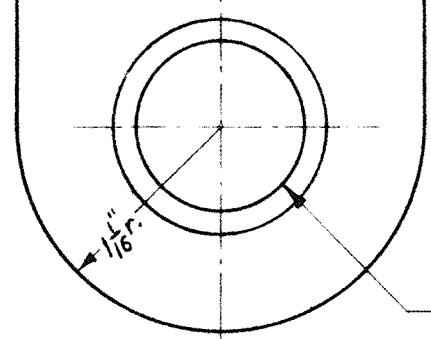
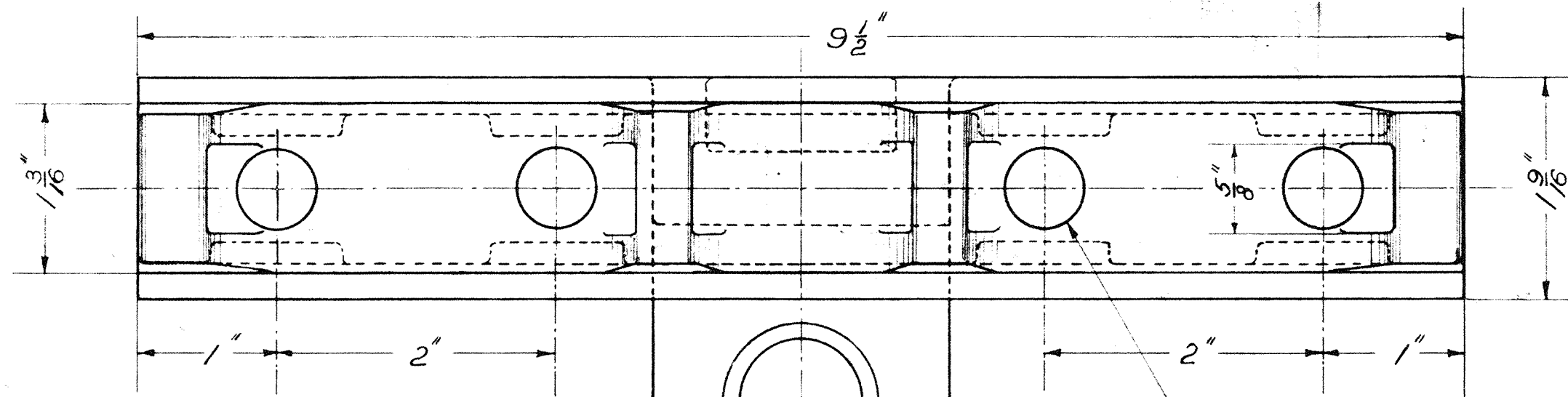


**H239**

2597-23

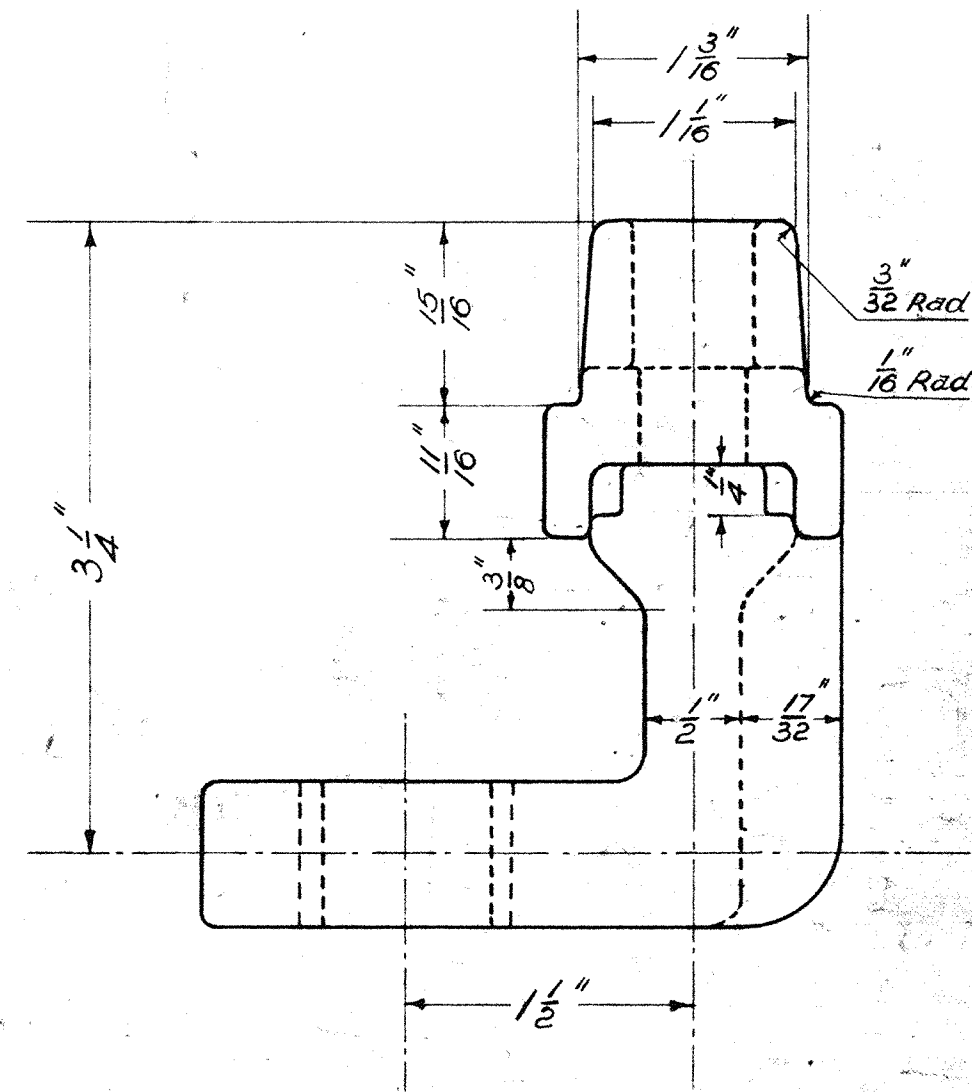
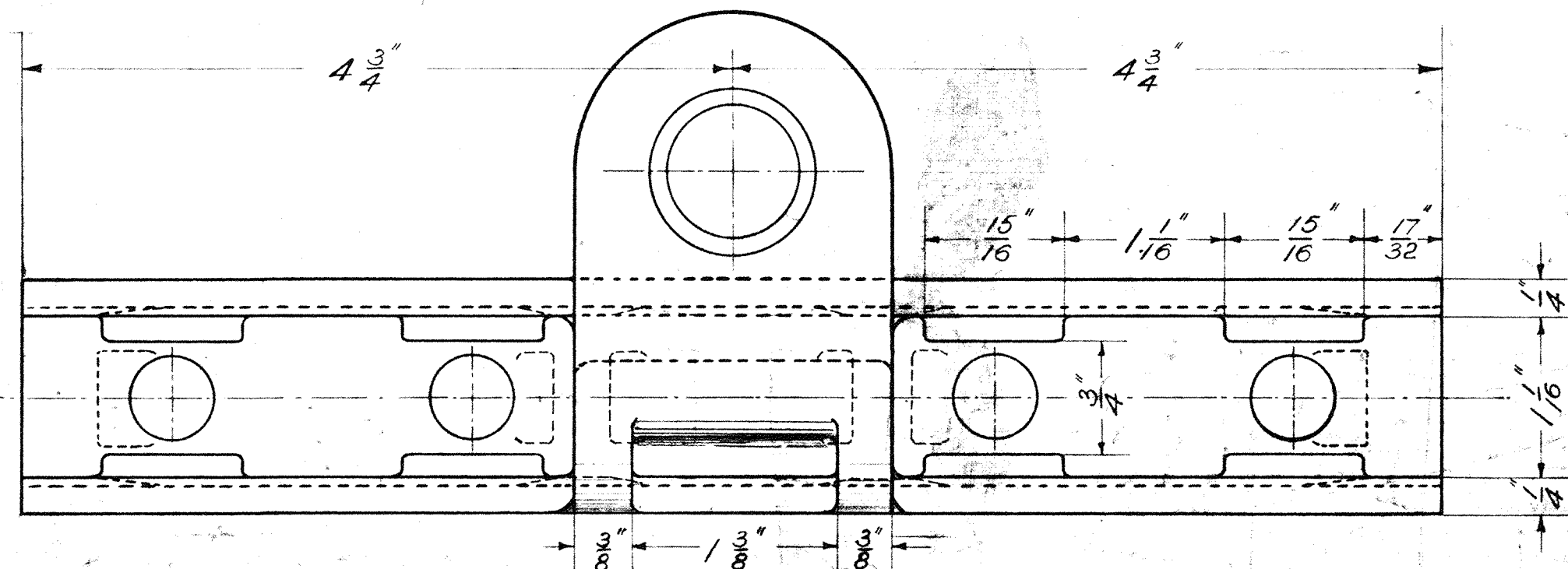
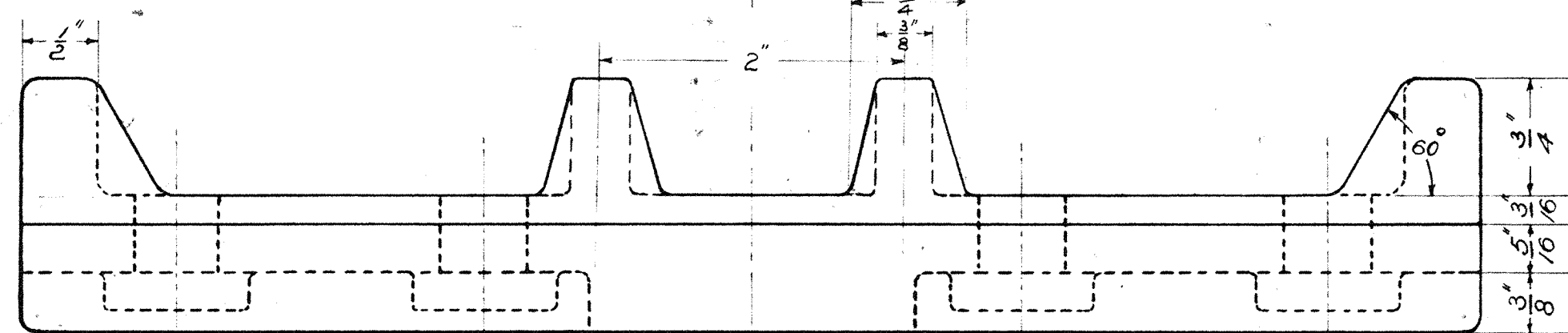
Chief Eng Sigs & Tels <i>[Signature]</i>	Drawn By A.D.G. J.H.C.	Traced A.D.G.	<b>H239</b>
<b>VICTORIAN RAILWAYS</b> Private Telephone Line, crossing Railway Lines of Way Typical General Arrangement. [For straight run only]			
21-10-25 Alteration No 120	S.C.B.	26-4-23	Not to Scale

**H239**



Walter Split Steel bush  
 $\frac{7}{8}$ " I.D. x  $1\frac{1}{8}$ " O.D. x  $\frac{3}{4}$ " lang.

4 -  $\frac{19}{16}$ " dia drilled holes



Supply with :- 4 Bolts & Nuts, Tee, Rd. Hex.  
 M.S. Black, B.S.W  $2\frac{1}{2}$ " x  $\frac{1}{2}$ " and  
 4 Spring Washer Steel Sq. Sect.  
 $\frac{1}{8}$ " x  $\frac{1}{2}$ " hole.

C.S.  
**DROP-OFF LUG**

2-11-73 AIL. N°1610  
 21-9-60 AIL. N°1038  
 13-2-25 AIL. 94  
 23-5-23

Chief Eng. Drawn by Traced by  
 Sig & Teleg C.E.W. C.E.W.  
 48

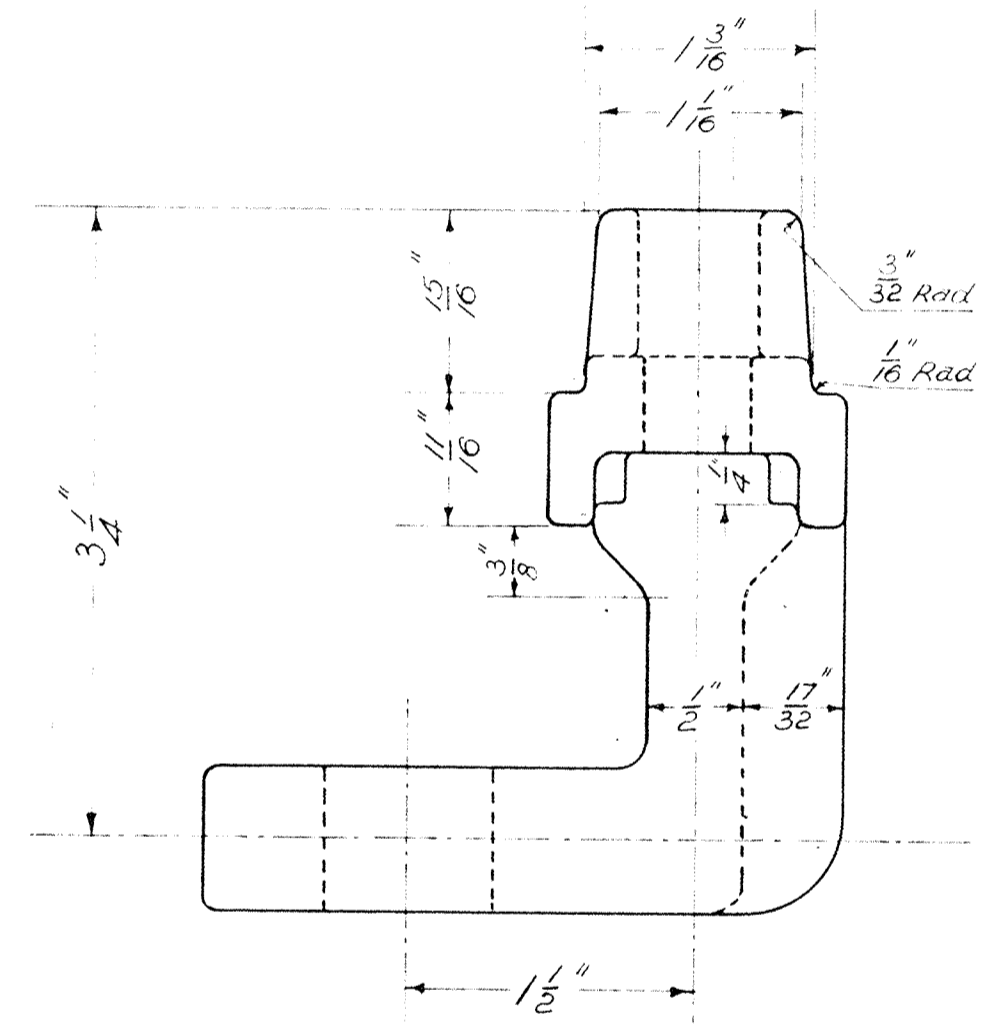
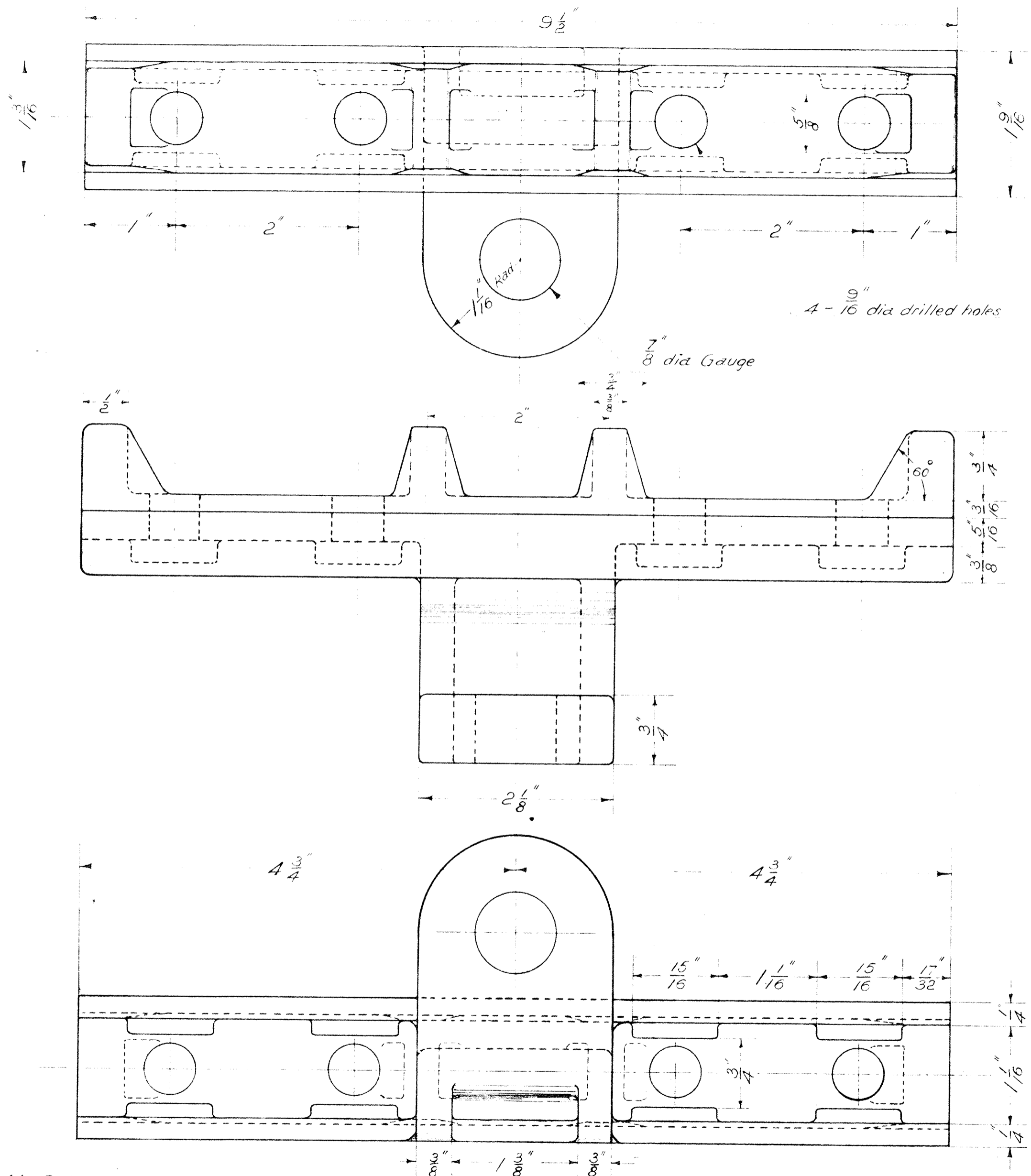
VICTORIAN RAILWAYS  
**DROP-OFF LUG**  
 For  
 Channel Point Racking

23-5-23

Tolerances except where  
 otherwise stated -  
 On decimal  
 dimensions ± 0.05"  
 On fractional  
 dimensions ± 0.01"  
 3° ANGLE PROJECTION

**H242**

H242 H242



To be supplied with 4-Bolts Part N°5B134 - X =  $\frac{1}{4}$ "

13-2-25 Alt. 94  
23-5-23

**M.I.  
DROP-OFF LUG**

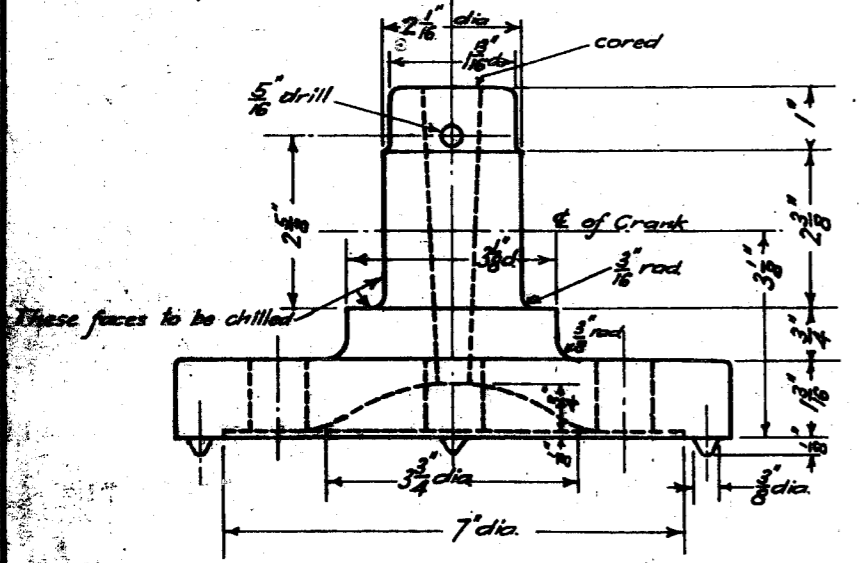
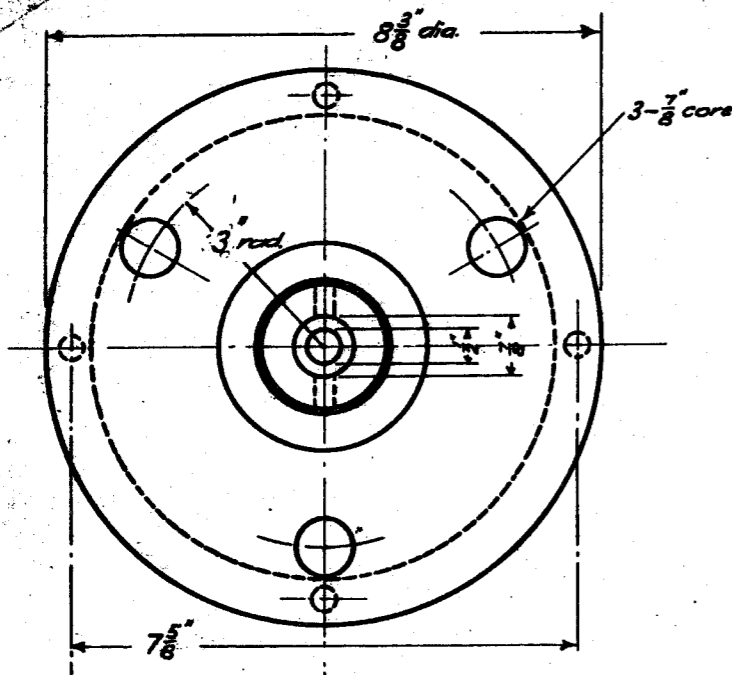
IH242

**H242**

Chief Eng. Drawn by Traced by  
 Sig & Teleg. C.E.W. C.E.W.  
 VICTORIAN RAILWAYS  
**DROP-OFF LUG**  
 for  
 Channel Point Rodding  
 23-5-23  
**H242**

3128

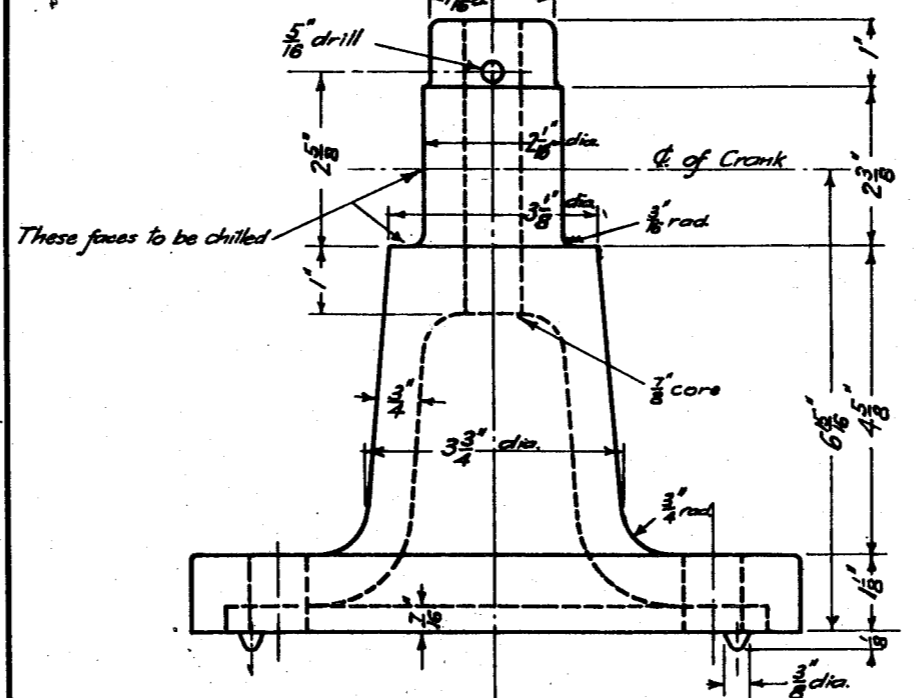
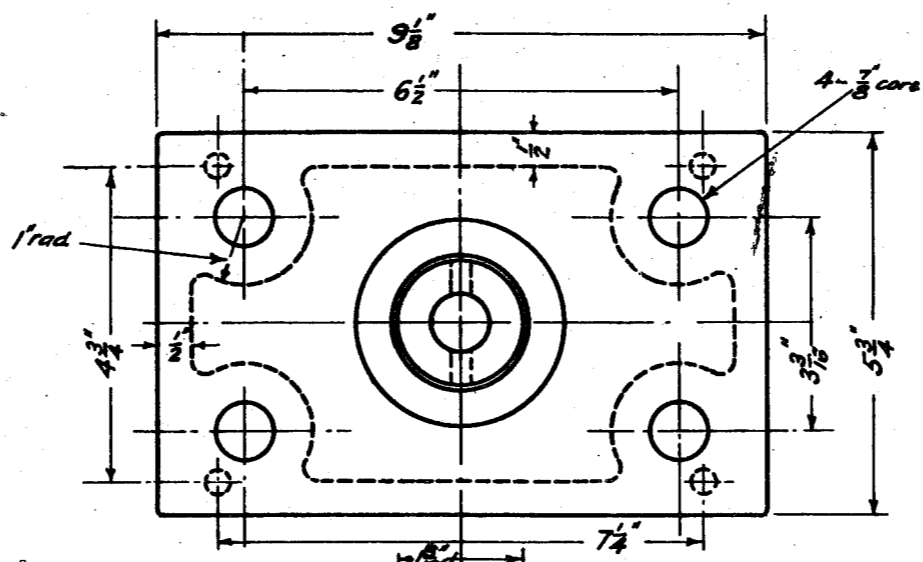
← 2" margin TWP 786 W



To be supplied with 5/16 Split Pin 3' long

C.I.

8-4-57/Alt. 353  
6-9-23 Round Base Crank Stand #1276

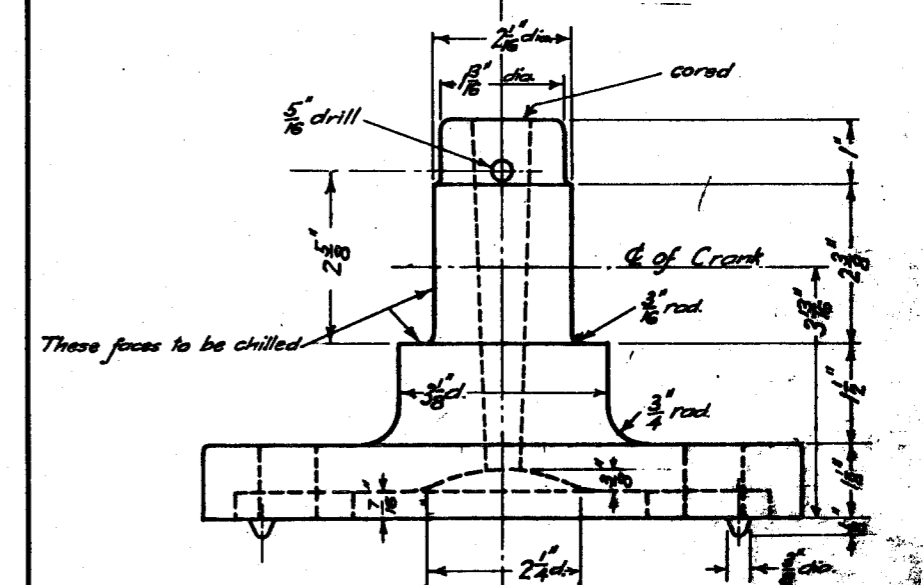
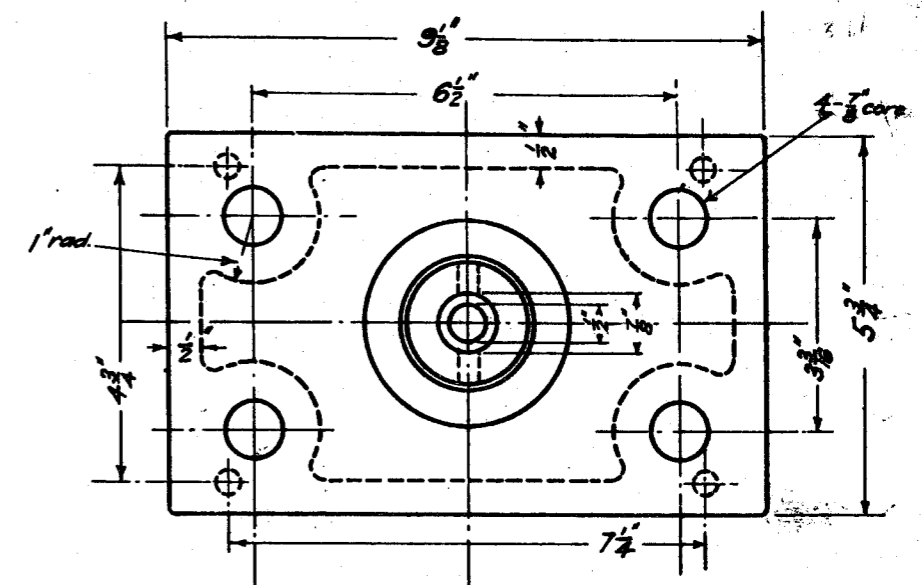


These faces to be chilled

To be supplied with 5/16 Split Pin 3' long

C.I.

8-4-57/Alt. 353  
6-9-23 High Accommodating Crank Stand 2H276



These faces to be chilled

To be supplied with 5/16 Split Pin 3' long

C.I.

8-4-57/Alt. 353  
6-9-23 Low Accommodating Crank Stand 2H276

160  
J2-2

27-7-42  
Part No 1H276  
cancelled.  
H. W. (S.O. W.D.)

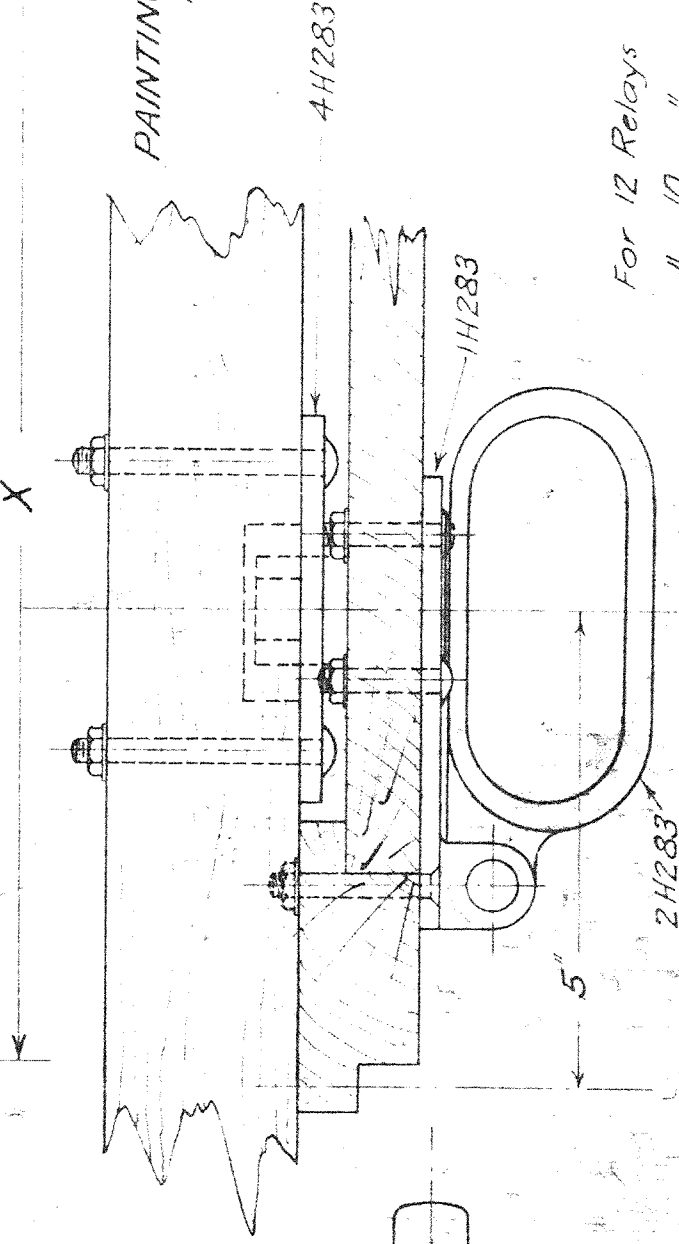
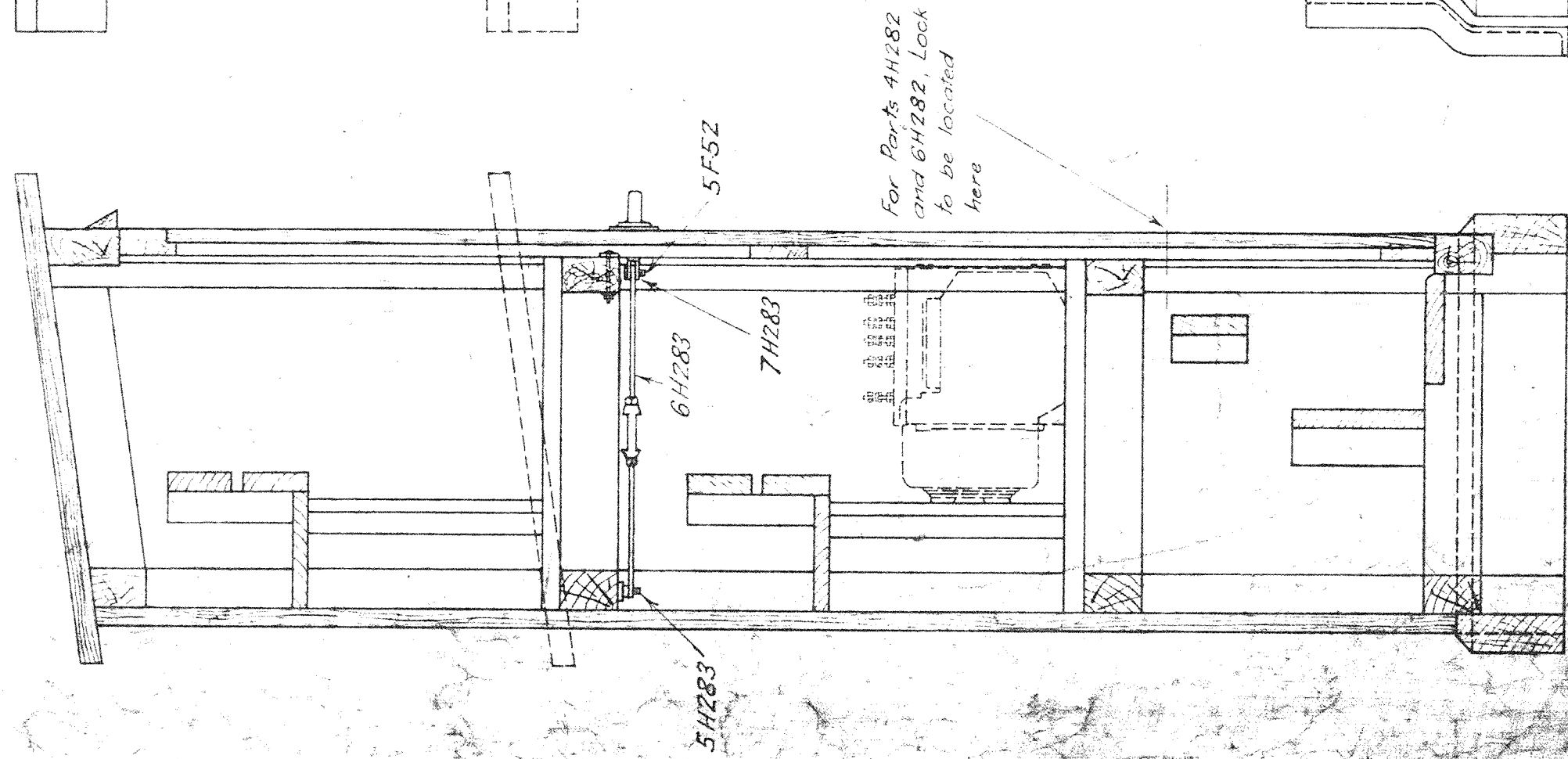
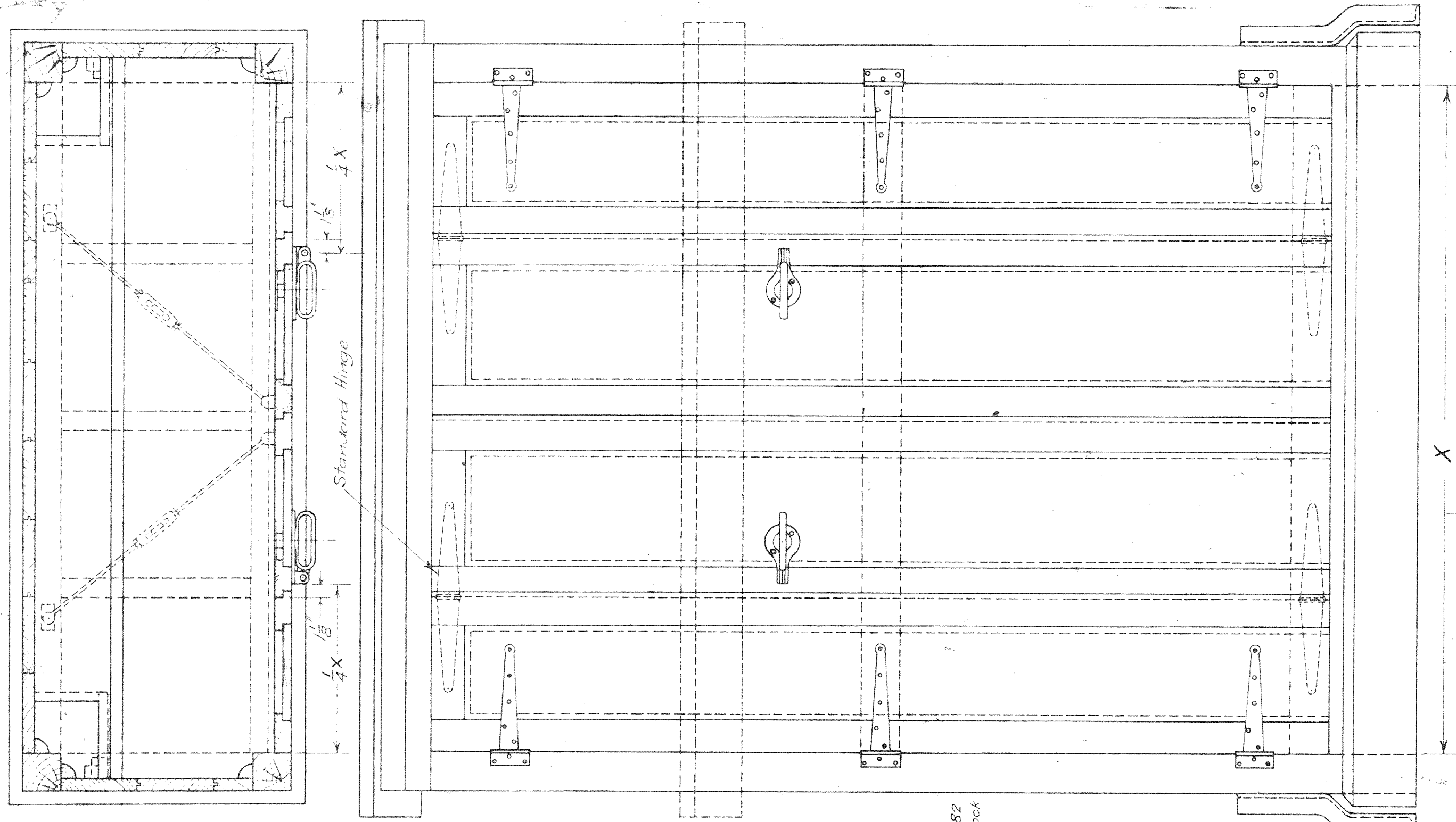
VICTORIAN RAILWAYS  
CRANK STANDS  
ONE-WAY HORIZONTAL  
ROUND BASE & ACCOMMODATING

FOR DETAILS OF RELAY BOX SEE DRG NO B 418

ADDITIONAL PARTS FOR H282 TYPE "B" (FOLDING DOORS)

NO	NAME	MATERIAL	QUANTITY
1H283	Front Plate	M.F.	2
2H283	Handle	"	2
3H283	Catch	W.I.	2
4H283	Locking Plate	M.L.B.M.S.	2
5H283	Stud	W.I.	2
6H283	Link	Brass	2
7H283	Jaw	M.S.	2
5F52	Pin 1/8" long	"	2
Stock	1/2 Hex. Hd Bolt & Washer 3 3/4" long	M.S.	4
	" Coach 2 3/4"	"	4
	" Coach 2"	"	4
	" Coach 1 1/2"	"	4
	1/4" Csk	"	2

3166  
J-2-2



PAINTING: To be painted white inside  
To be painted grey outside.

Hood to be cut away behind lock plate to clear catch

3H283

30-4-15/21/21 No 566  
16-7-22/21 No 508  
12-1-33/21 No 410  
11-1-32 Alt. No 262  
30-10-23

ASSEMBLY OF LOCK  
Scale: Half Size

For 12 Relays X = 6'-6" 12 H282  
" 10 " X = 5'-5" 10 H282  
" 8 " X = 4'-4" 8 H282  
" 6 " X = 6'-6" 6 H282  
" 4 " X = 4'-4" 4 H282

One Relay Shelf only

VICTORIAN RAILWAYS  
RELAY BOX  
OUTDOOR, TYPE "B"

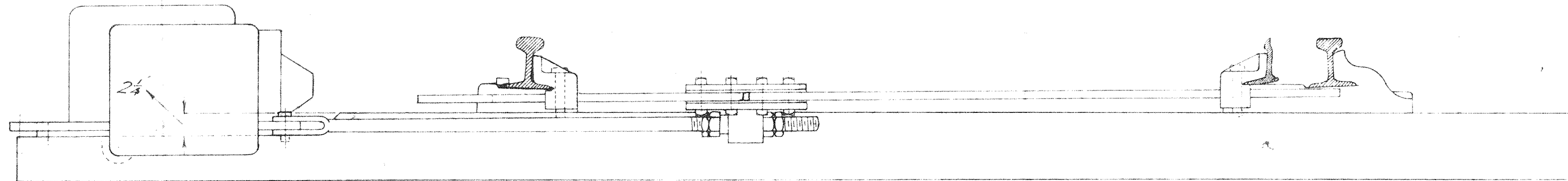
Checked by  
Supt. & Tels  
S.C.O.

Drawn by  
S.C.O.

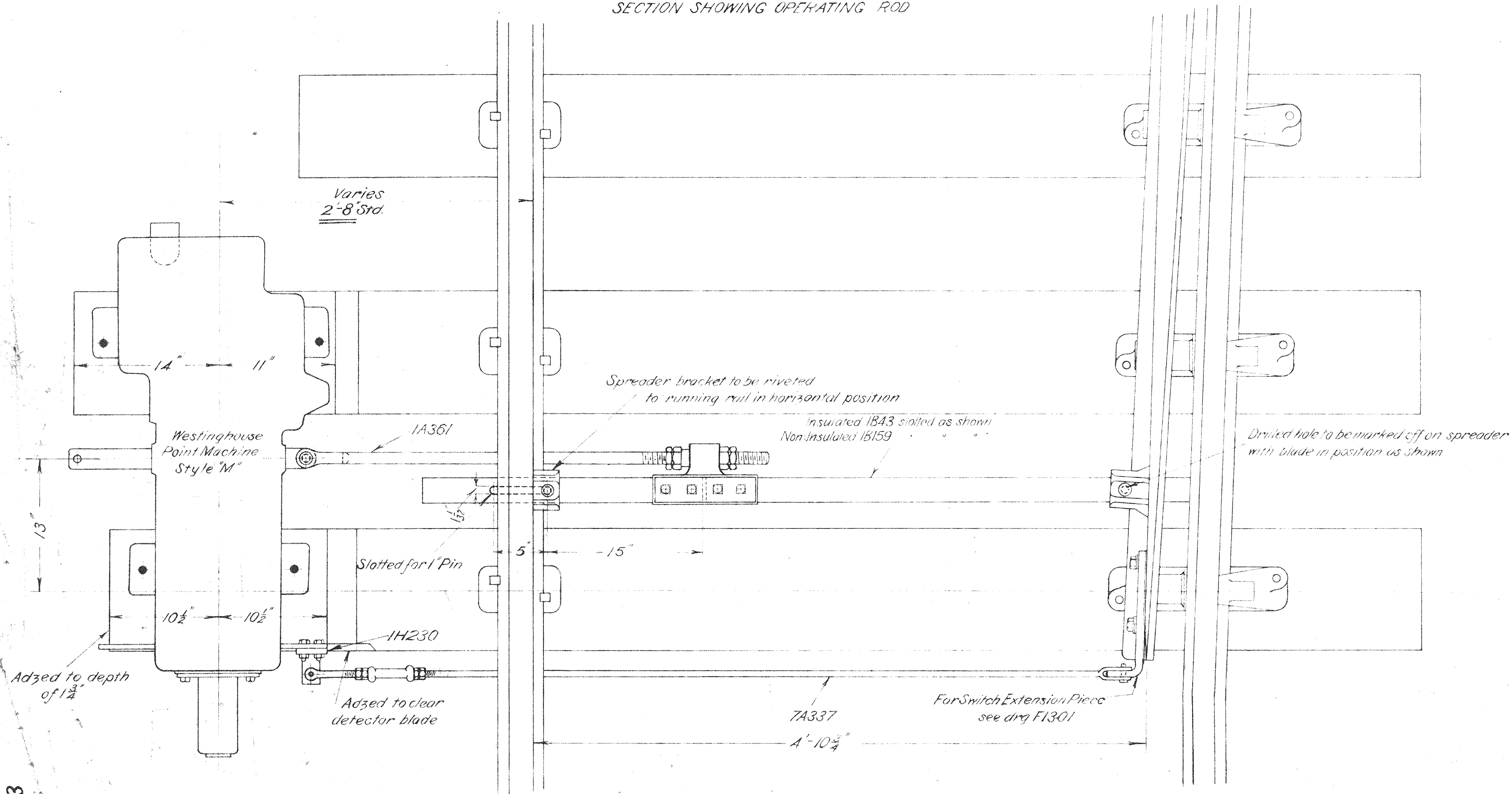
Traced by  
S.C.O.

H 282  
ASSEMBLY  
Scale 1/2" = 1 Ft  
30-10-23

H 282



SECTION SHOWING OPERATING ROD



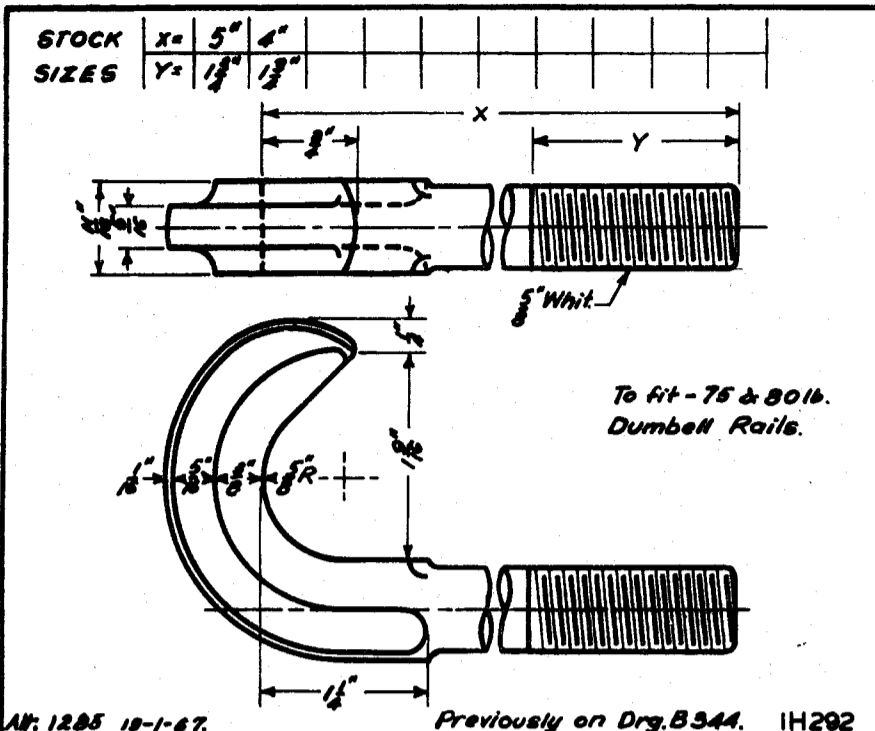
3171

J-2-3

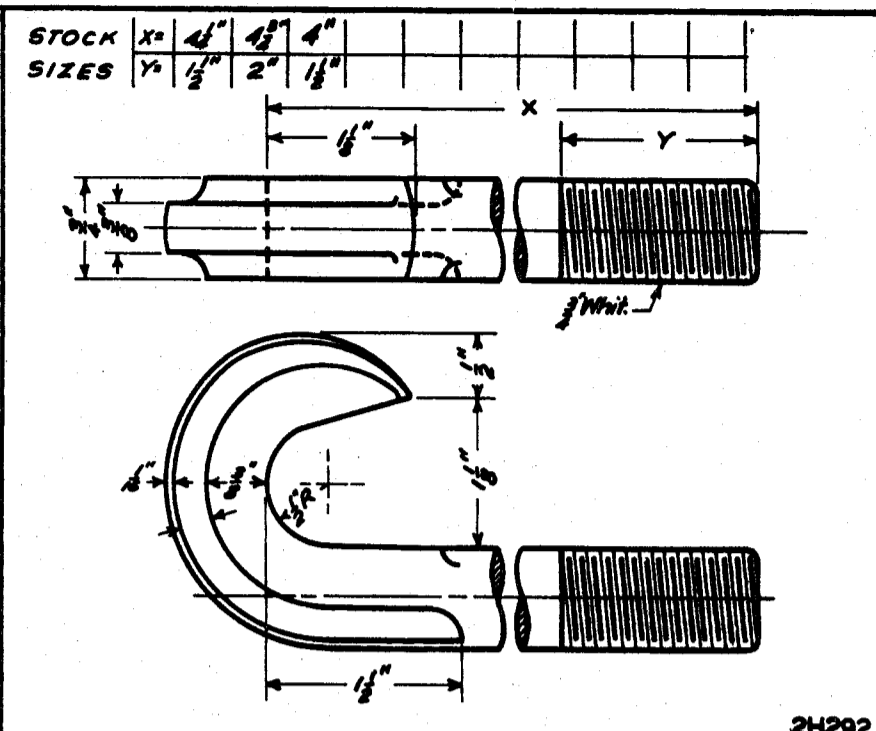
Checked by: [Signature]  
 Drawn by: [Signature]  
 Date: 5/11/23  
 H287

VICTORIAN RAILWAYS  
 DERAIL SWITCH LAYOUT  
 POWER OPERATED.  
 WESTINGHOUSE MACHINE STYLE "M"  
 Y LAYOUTS 5-11-23

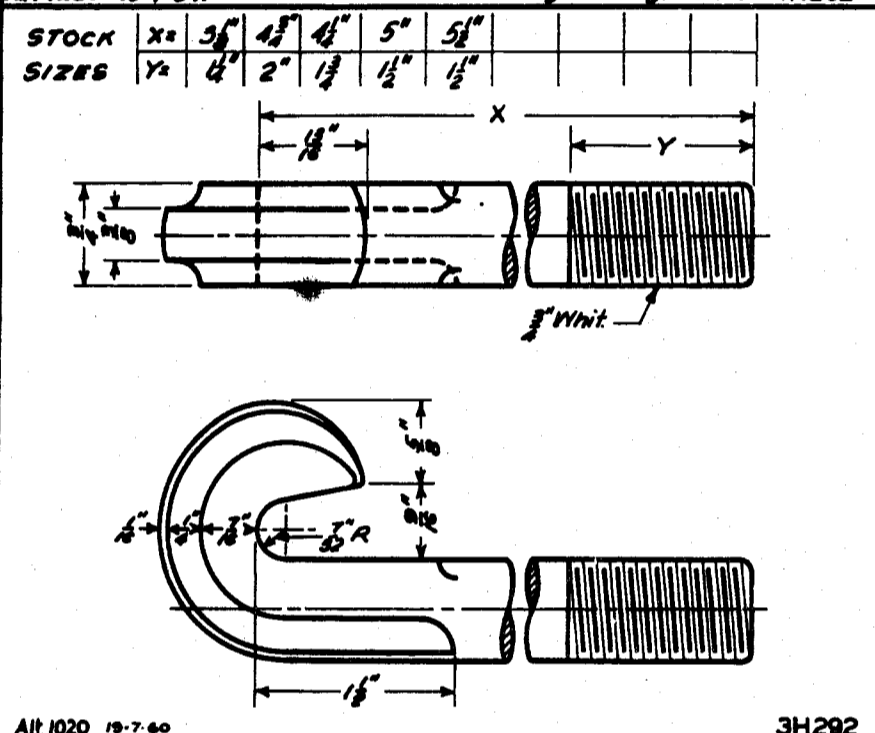
H287



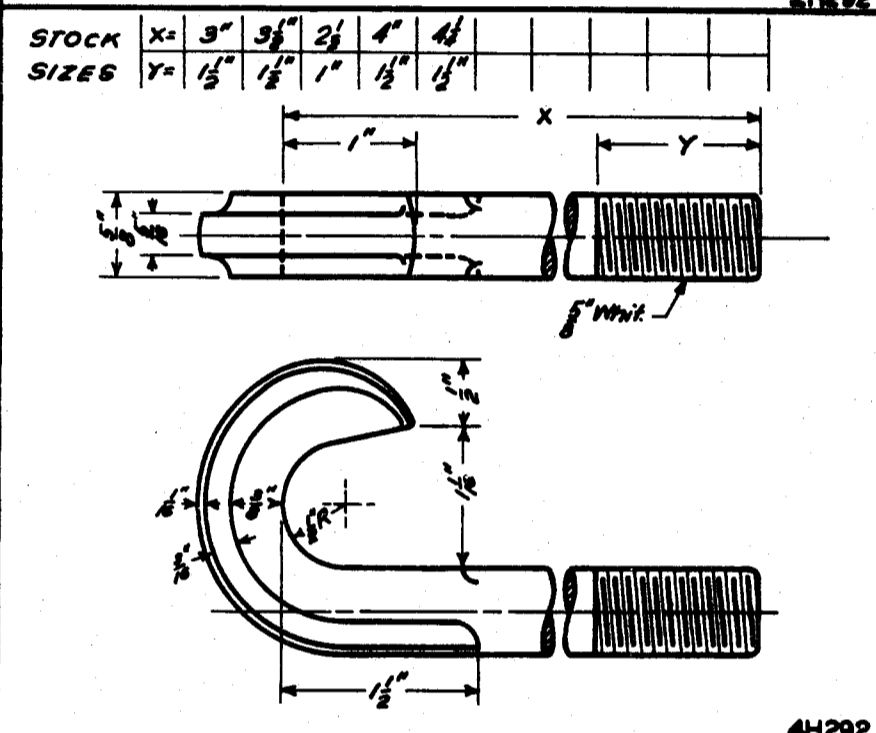
Alt. 1285 18-1-67. Previously on Drg. B344. 1H292



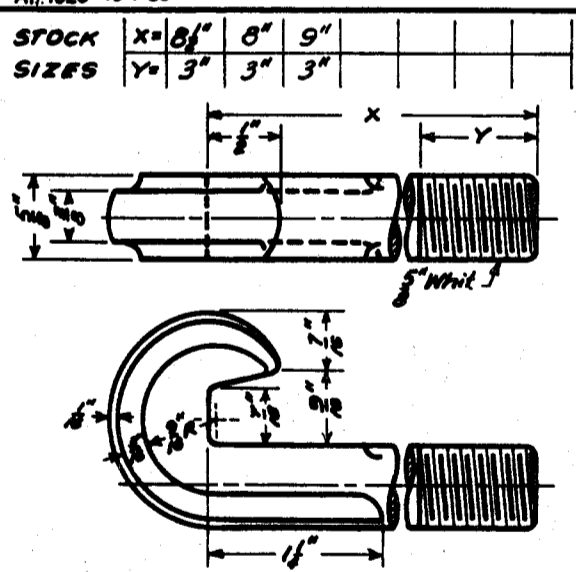
2H292



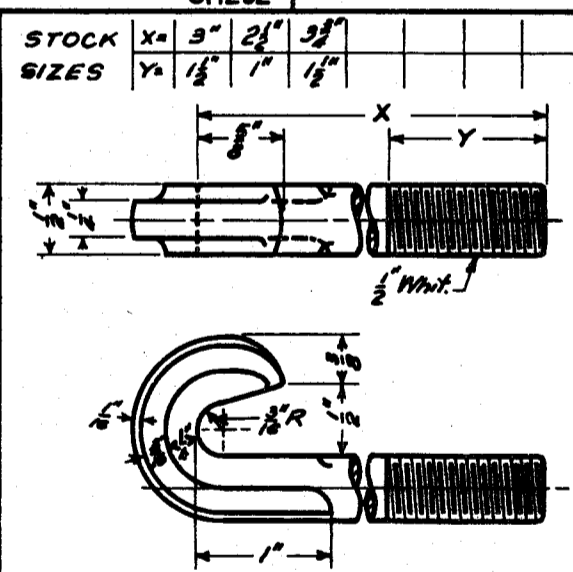
Alt. 1020 19-7-60. 3H292



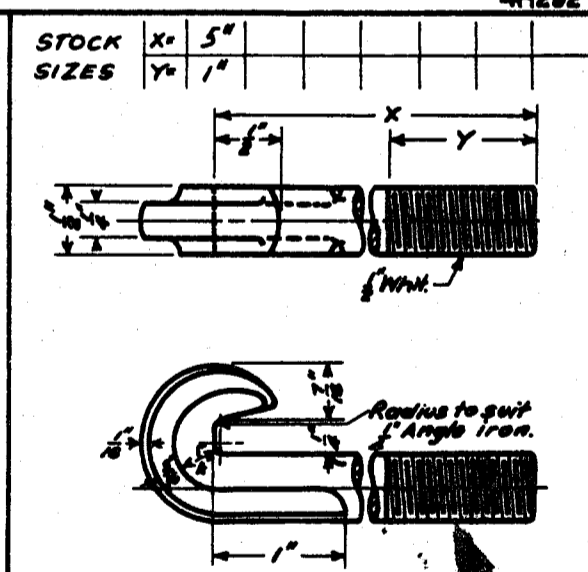
4H292



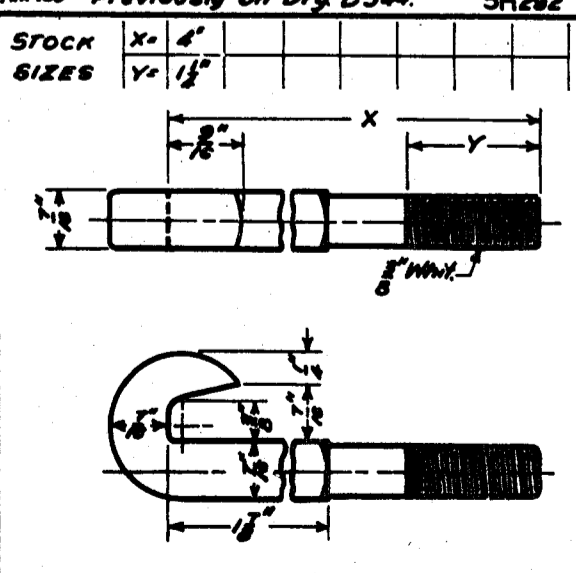
Alt. 499 Previously on Drg. B344. 5H292



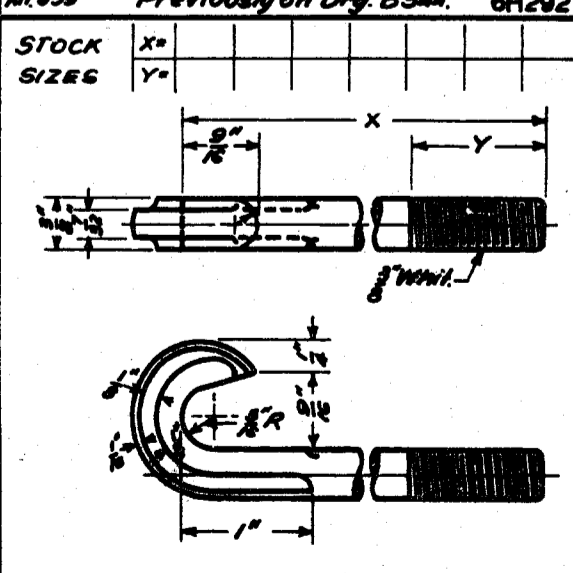
Alt. 639 Previously on Drg. B344. 6H292



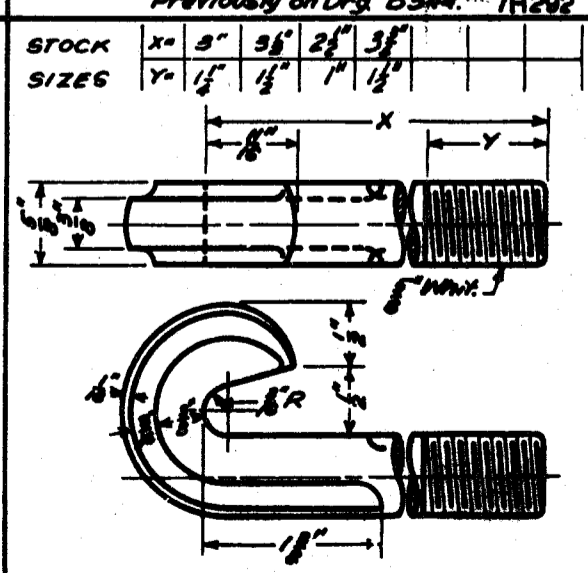
Previously on Drg. B344. 7H292



8H292



Previously on Drg. B344. 9H292



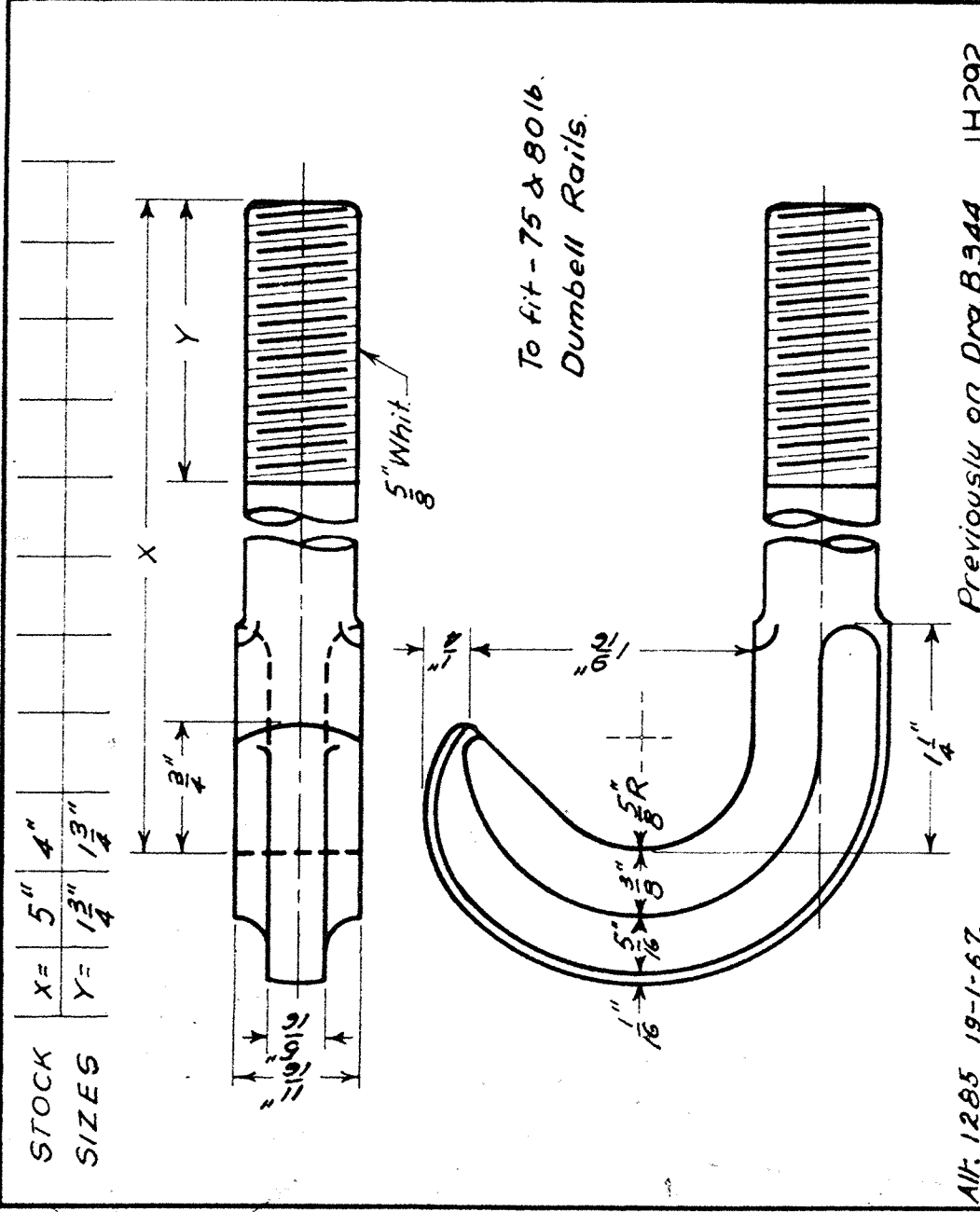
Previously on Drg. B344. 10H292

H292

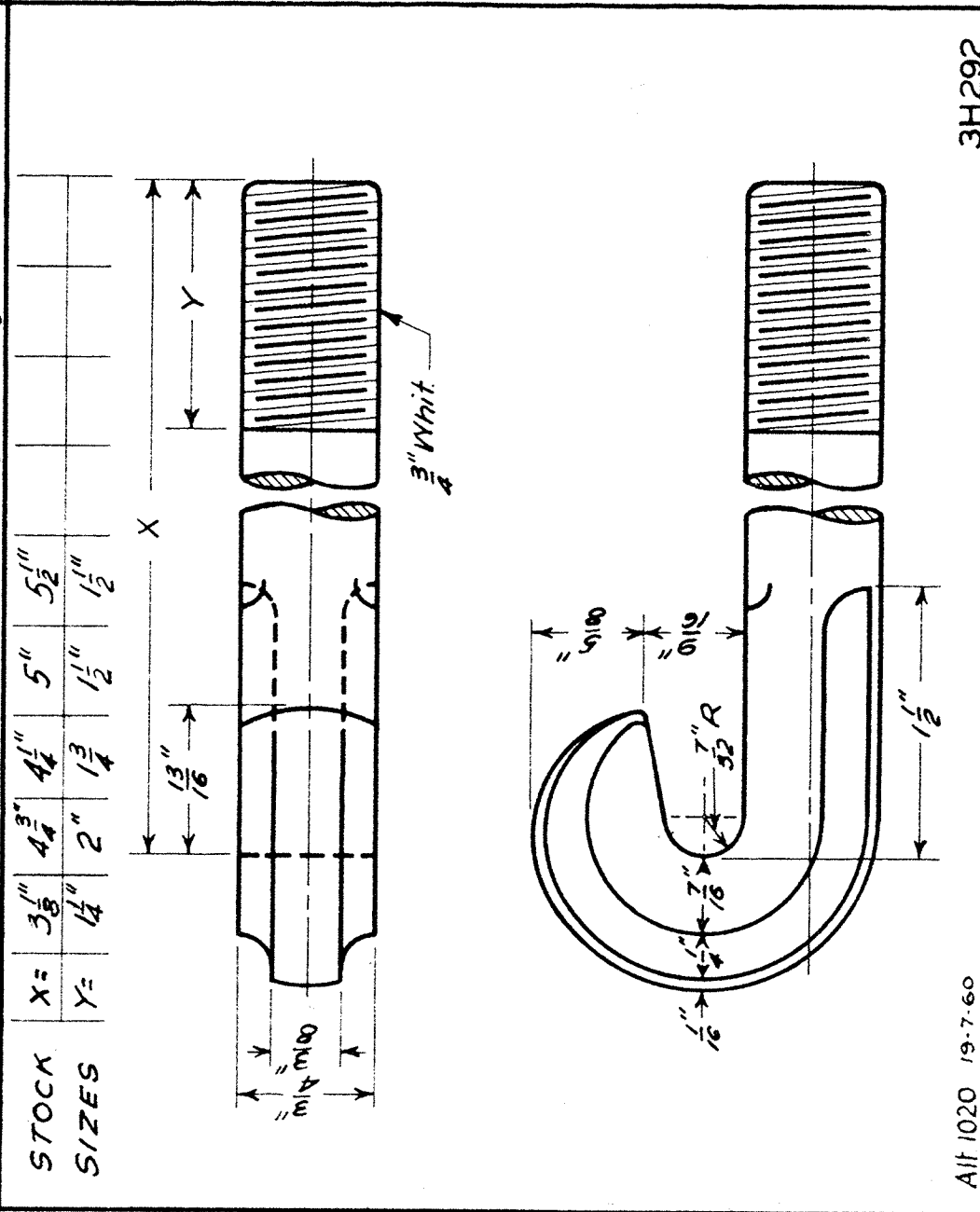
Restrains including Belts supplied Alterations No. 459 with one not J. 639 unless otherwise Part No. 10H292 specified added.

VICTORIAN RAILWAYS  
HOOK BOLTS  
STANDARD

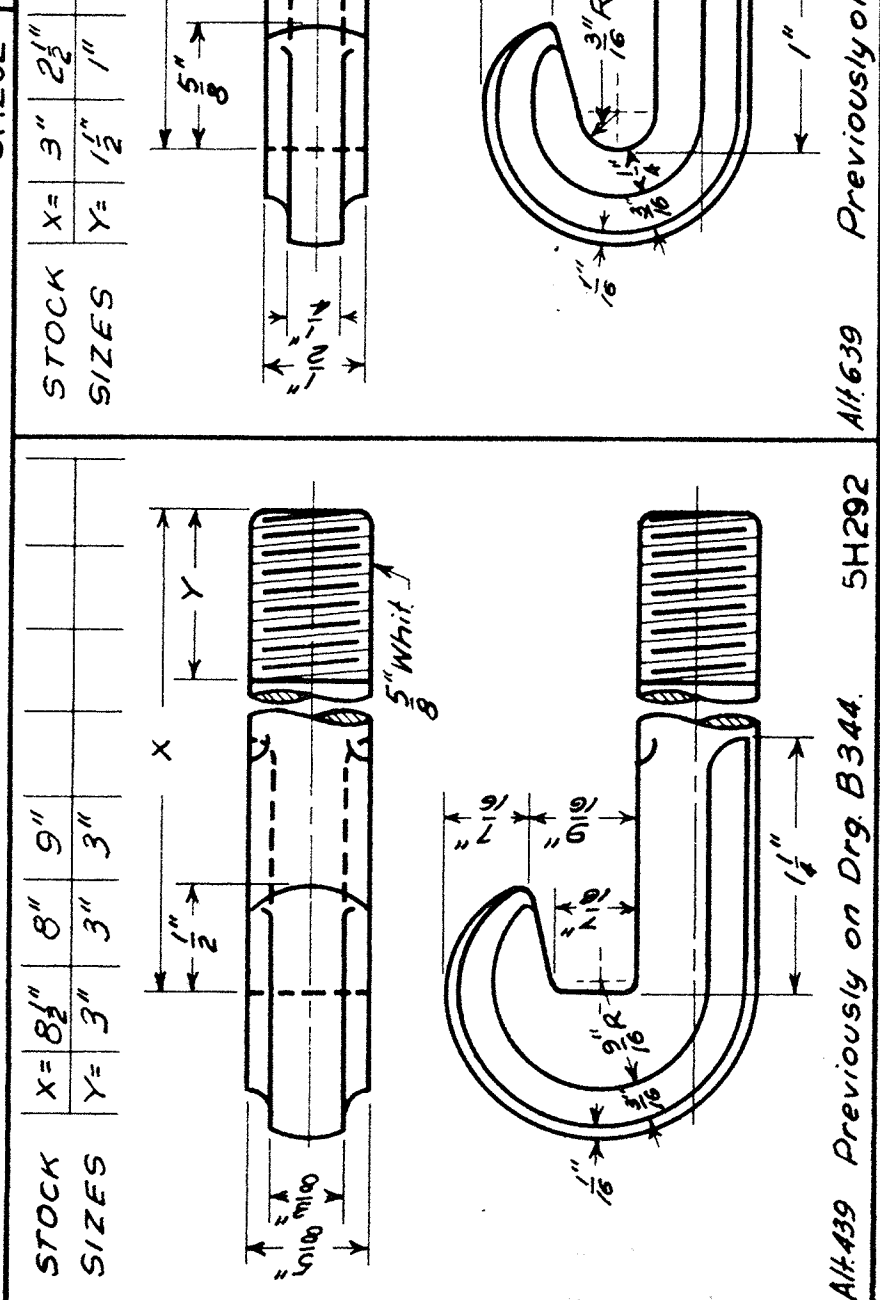
Sig. & Tol. Engineer	Drawn by	Checked by
CMY	MA.	MA.
<b>H292</b>		



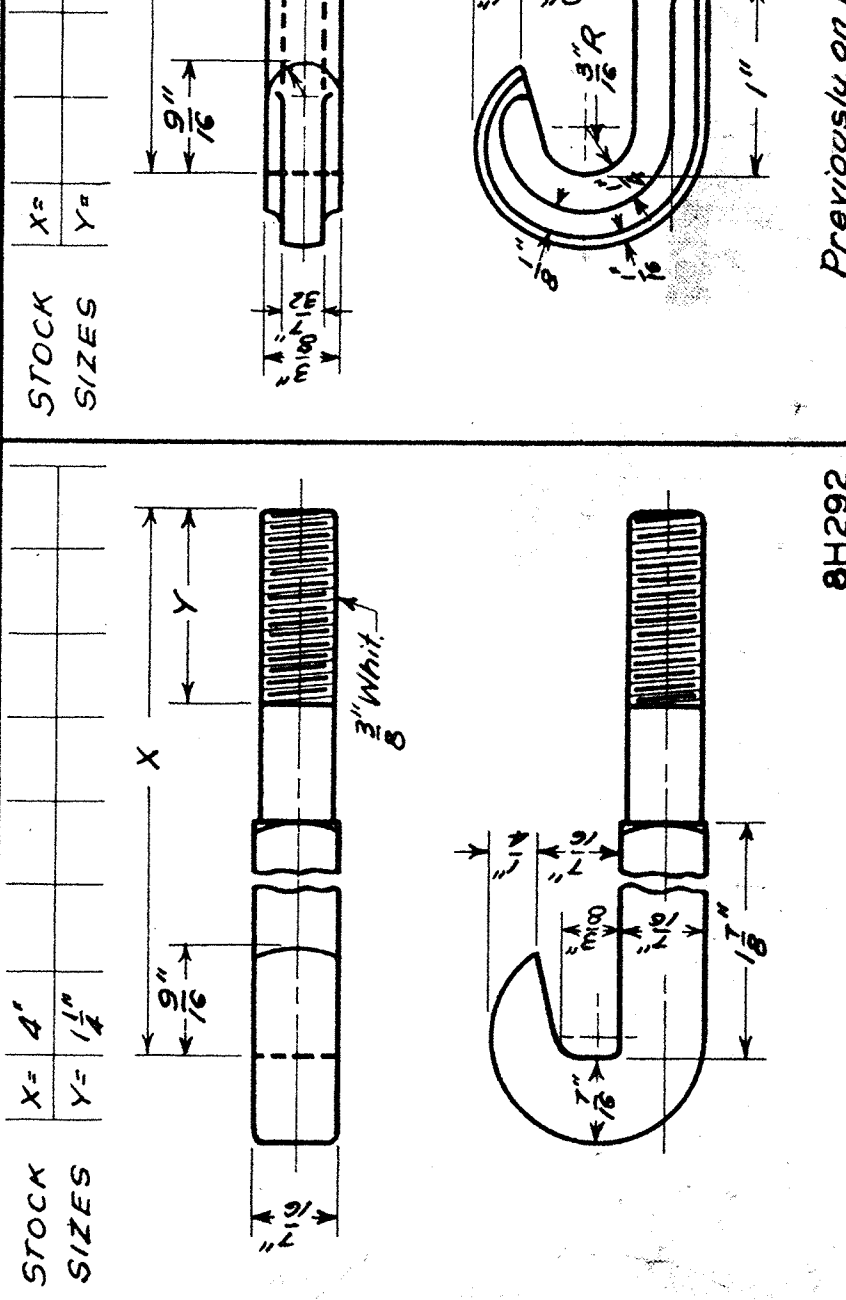
All: 1285 19-1-67.



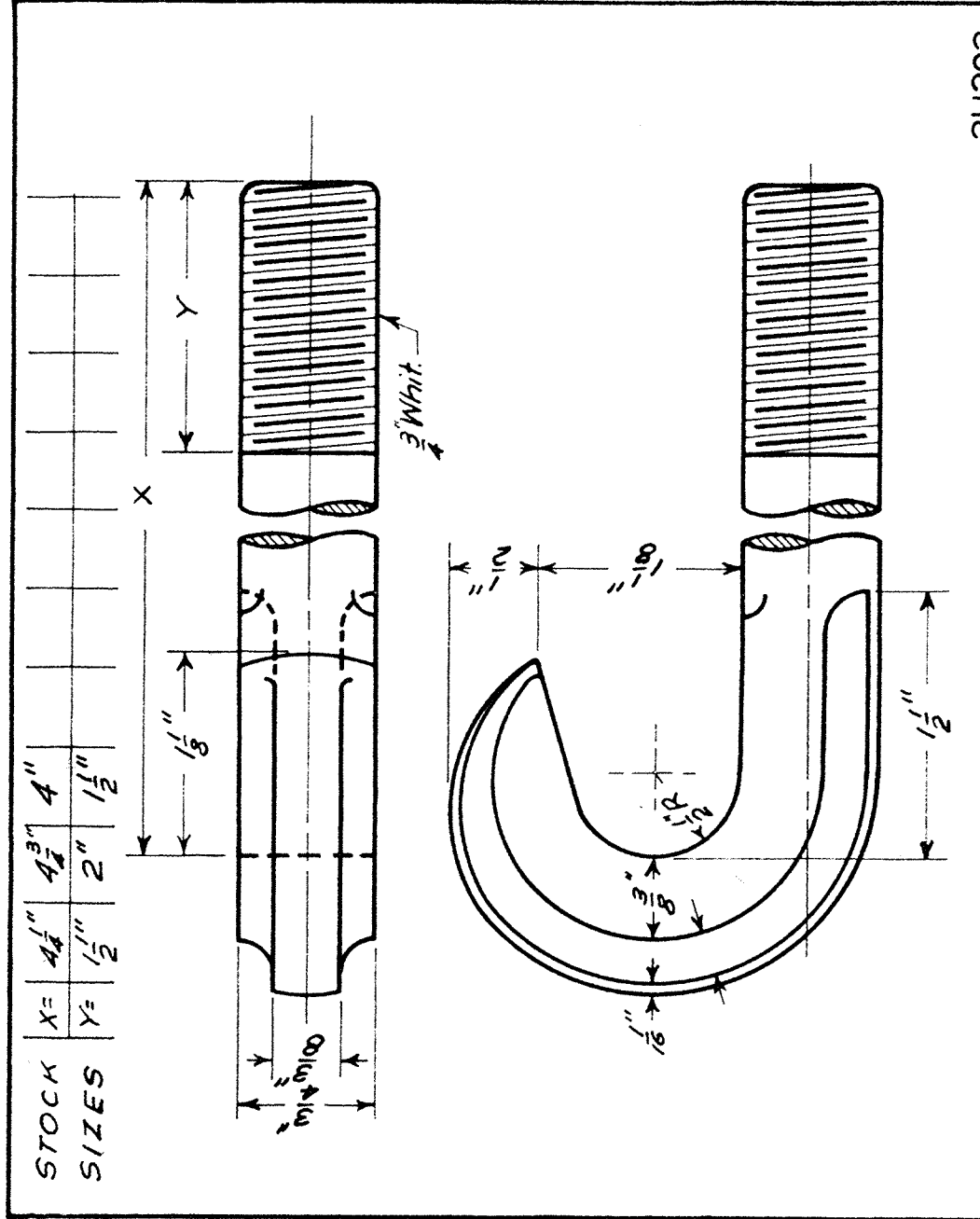
All: 1020 19-7-60



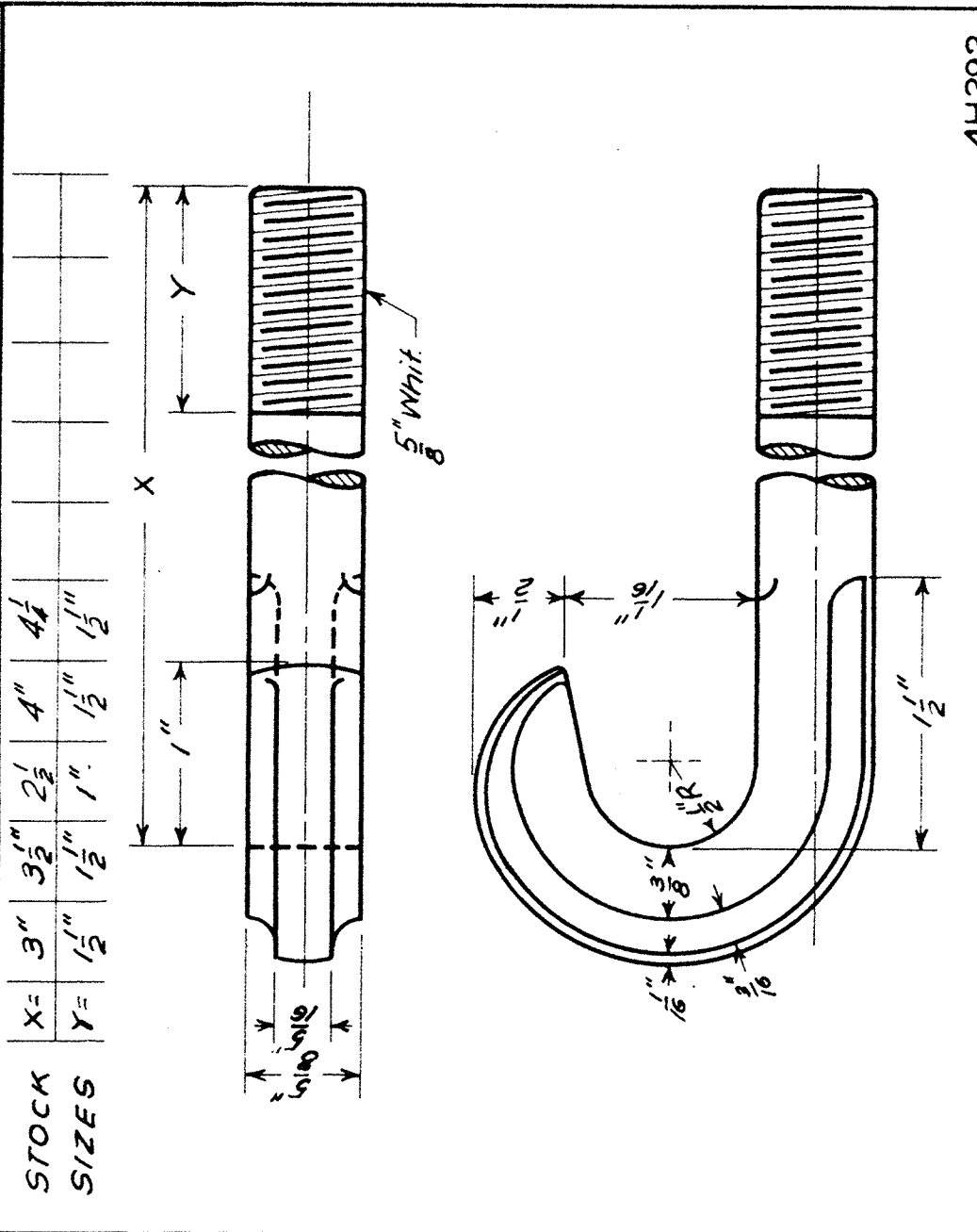
All: 439 Previously on Drg. B344.



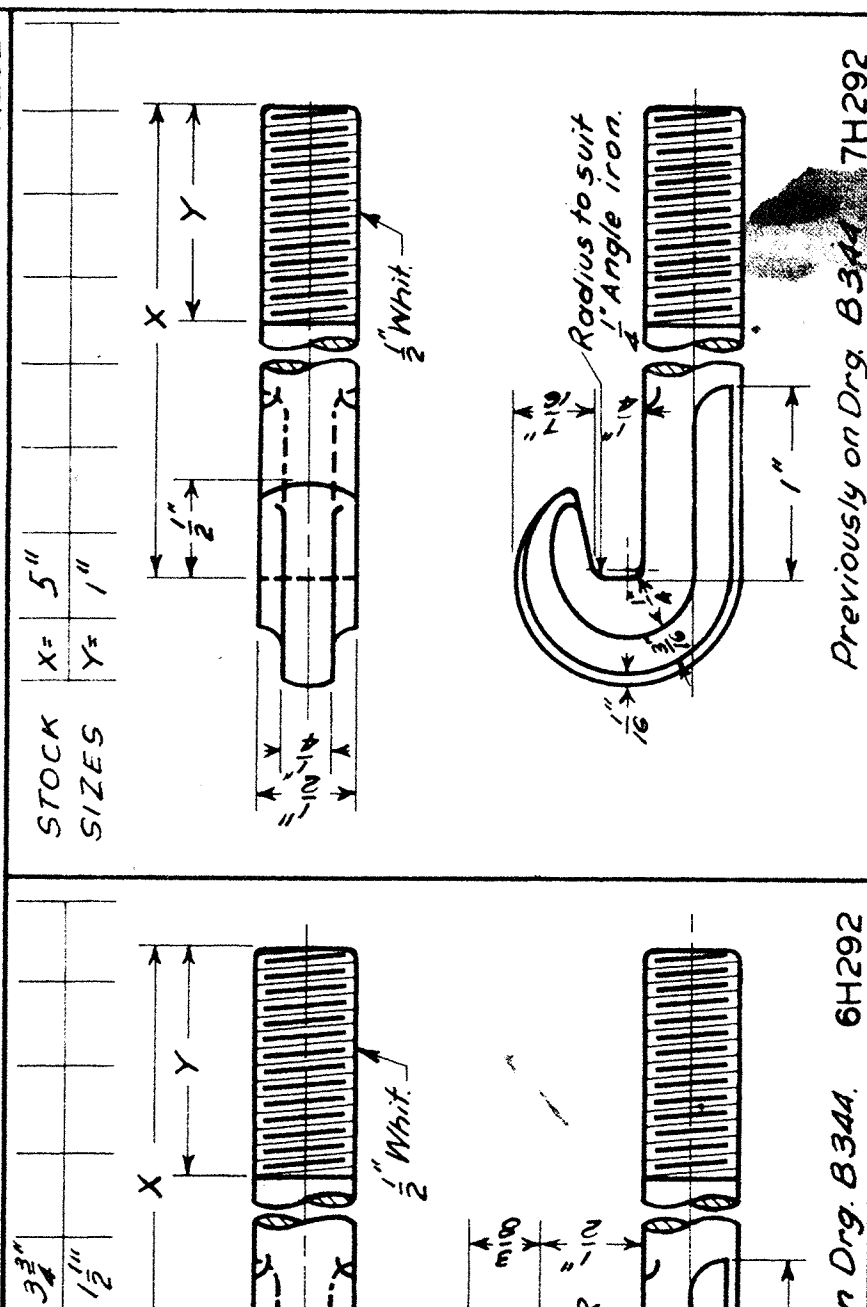
Previously on Drg. B344.



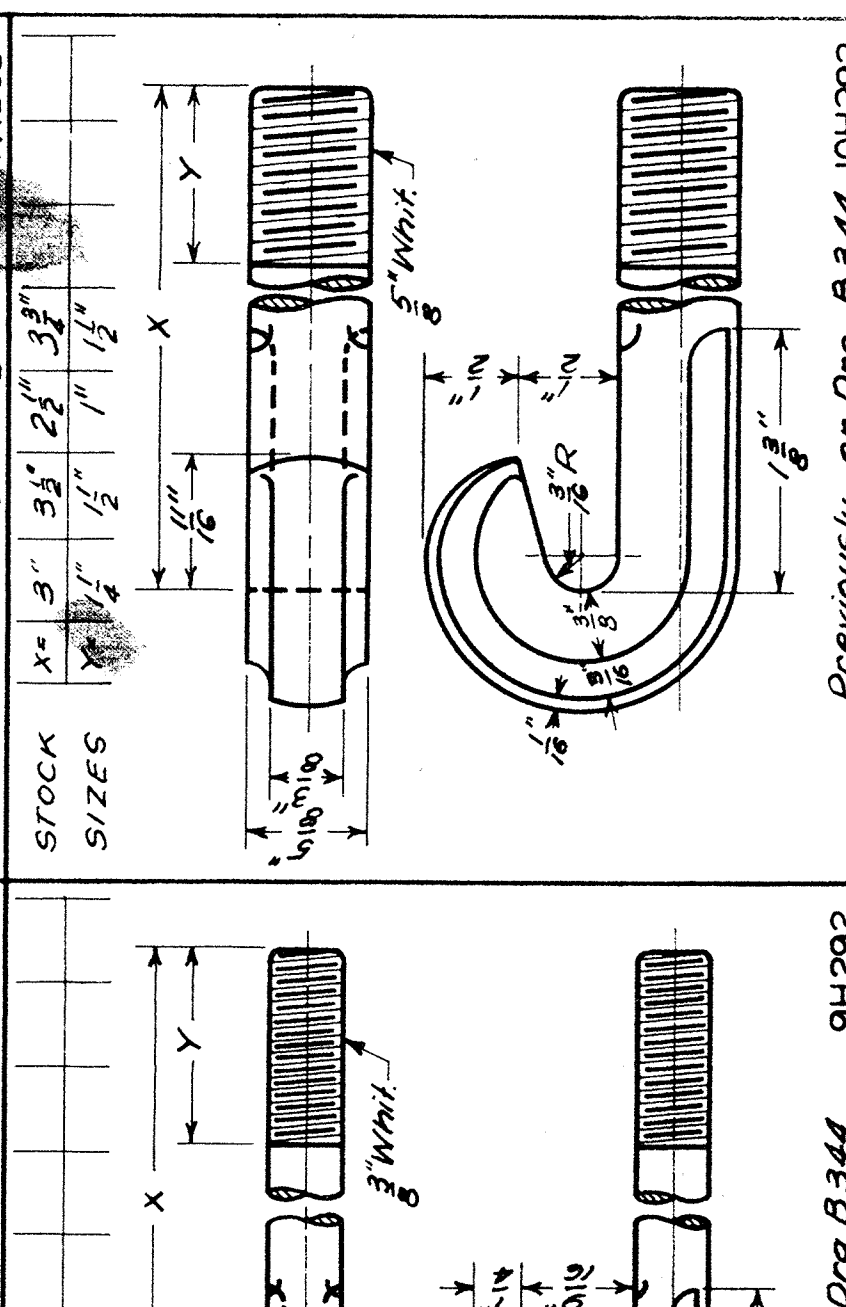
2H292



4H292



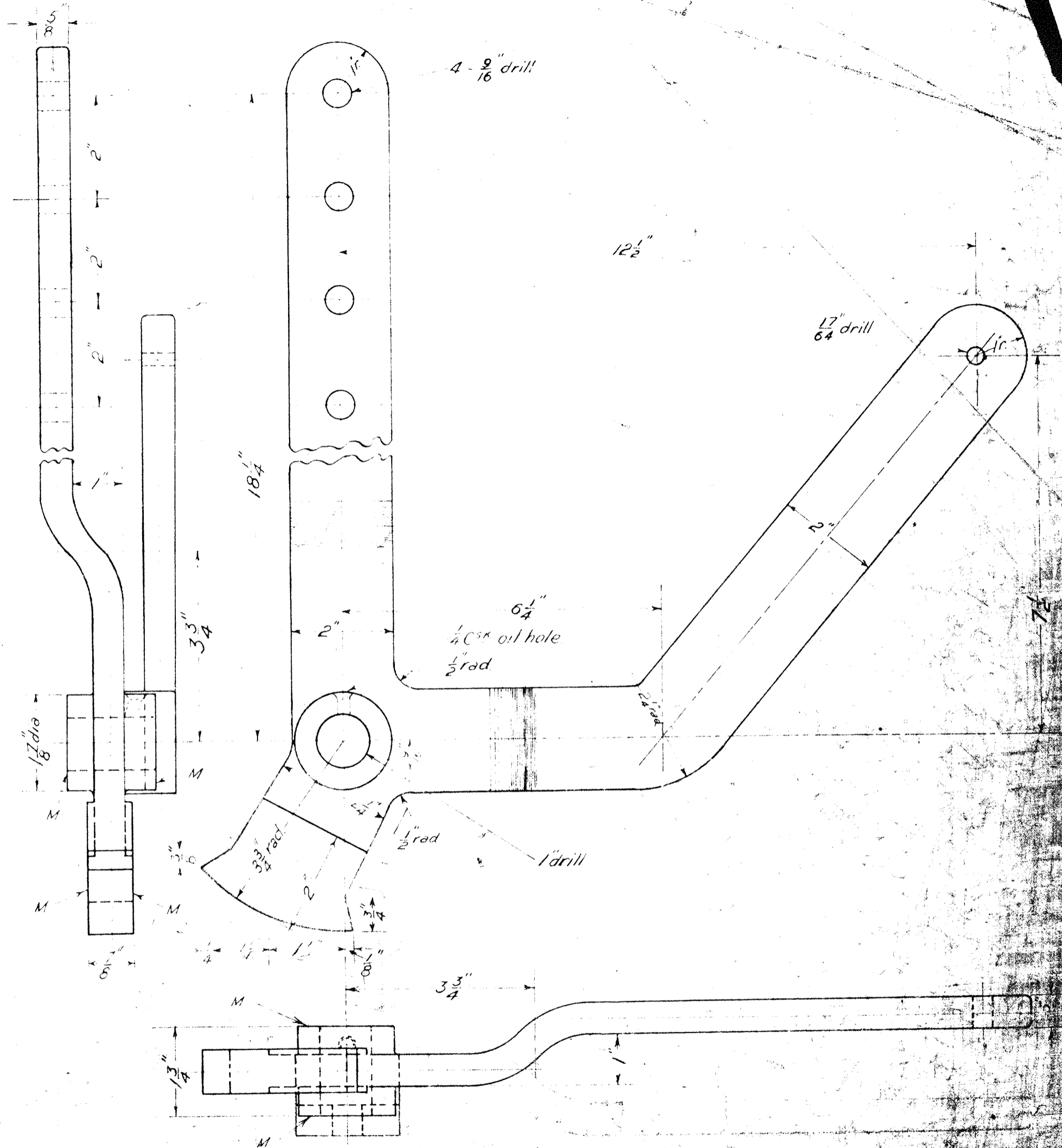
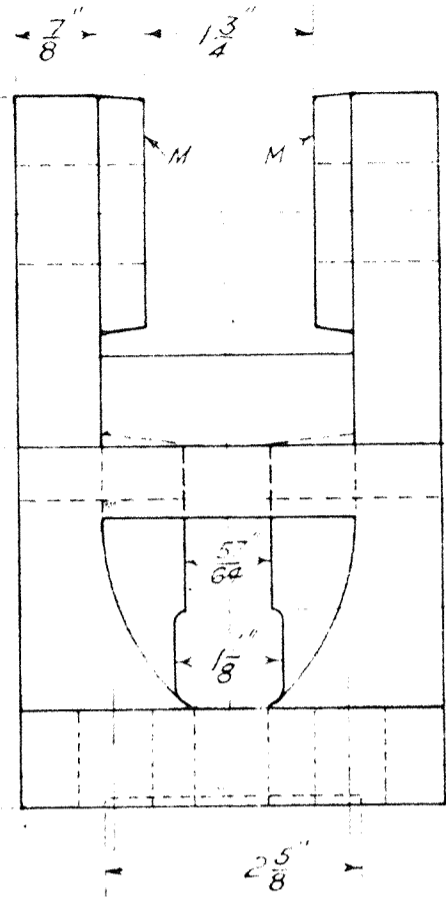
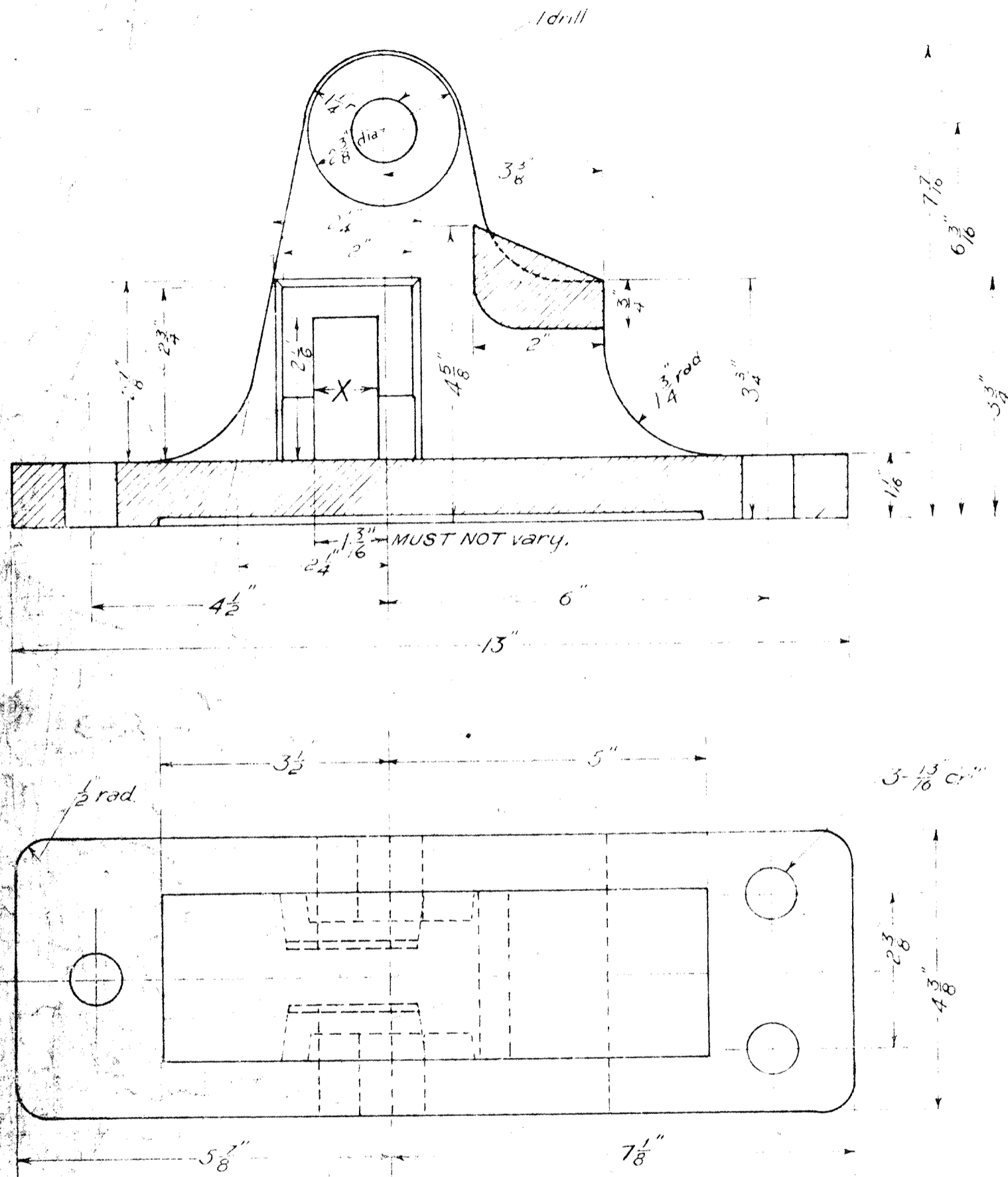
All: 639 Previously on Drg. B344.



Previously on Drg. B344.

<p>H292</p>	<p>Redrawn including Alterations No. 459 &amp; 639. Part No. 10H292 added.</p>	<p>Victorian Railways</p>	<p>Hook Bolts Standard</p>	<p>Previously on Drg. B344.</p>	<p>Previously on Drg. B344.</p>	<p>Previously on Drg. B344.</p>	<p>Previously on Drg. B344.</p>	<p>Previously on Drg. B344.</p>	<p>Previously on Drg. B344.</p>
				<p>10H292</p>	<p>9H292</p>	<p>6H292</p>	<p>3H292</p>	<p>2H292</p>	<p>8H292</p>
<p>Engineer</p>		<p>W.A.</p>		<p>W.A.</p>		<p>W.A.</p>		<p>W.A.</p>	
<p>W.A.</p>		<p>W.A.</p>		<p>W.A.</p>		<p>W.A.</p>		<p>W.A.</p>	
<p>1915</p>		<p>1915</p>		<p>1915</p>		<p>1915</p>		<p>1915</p>	





16-6-37 / Alt. 357  
 21-1-37 / Alt. 347  
 29-8-34 / Alt. 293  
 22-1-27 / Alt. 163  
 19-3-24

C1  
 Base

For 3 Blades X = 1/10 3H295  
 For 2 Blades X = 3/4 1H295

27-1-37 / Alt. 347  
 19-3-24

W. I.  
 Hatcher

Part 3H295 added.

VICTORIAN RAILWAYS  
 HATCHET DETECTOR  
 DETAILS

Chief Eng. Drawing by  
 Sigs & Tels. L. J. P.

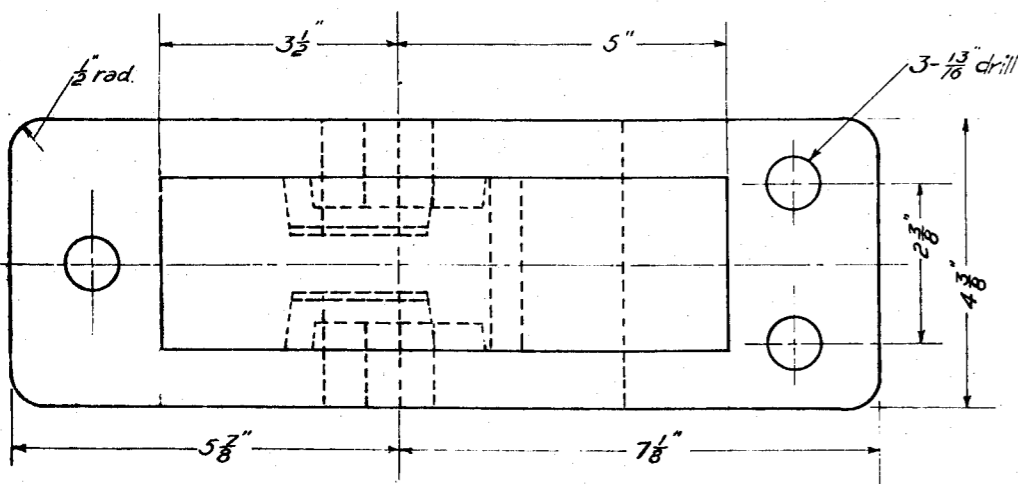
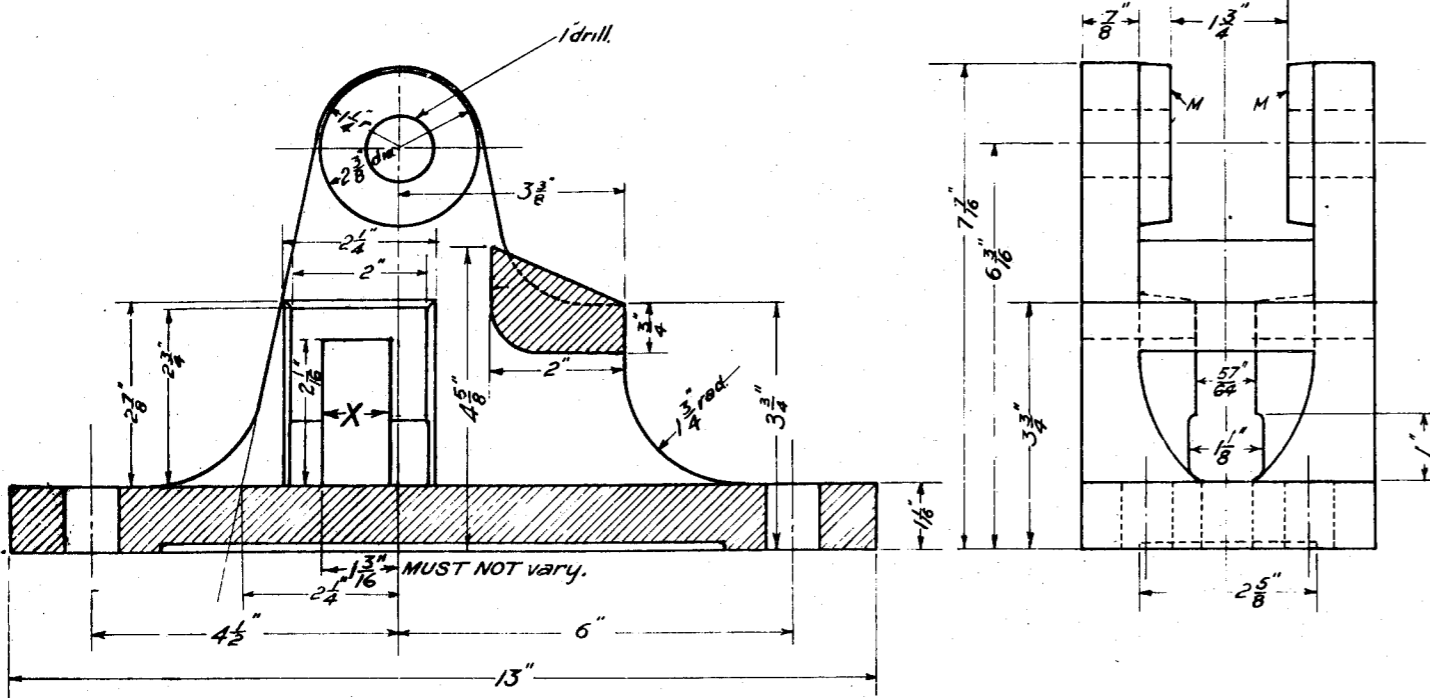
19-3-24

H295

3177

J-2-3

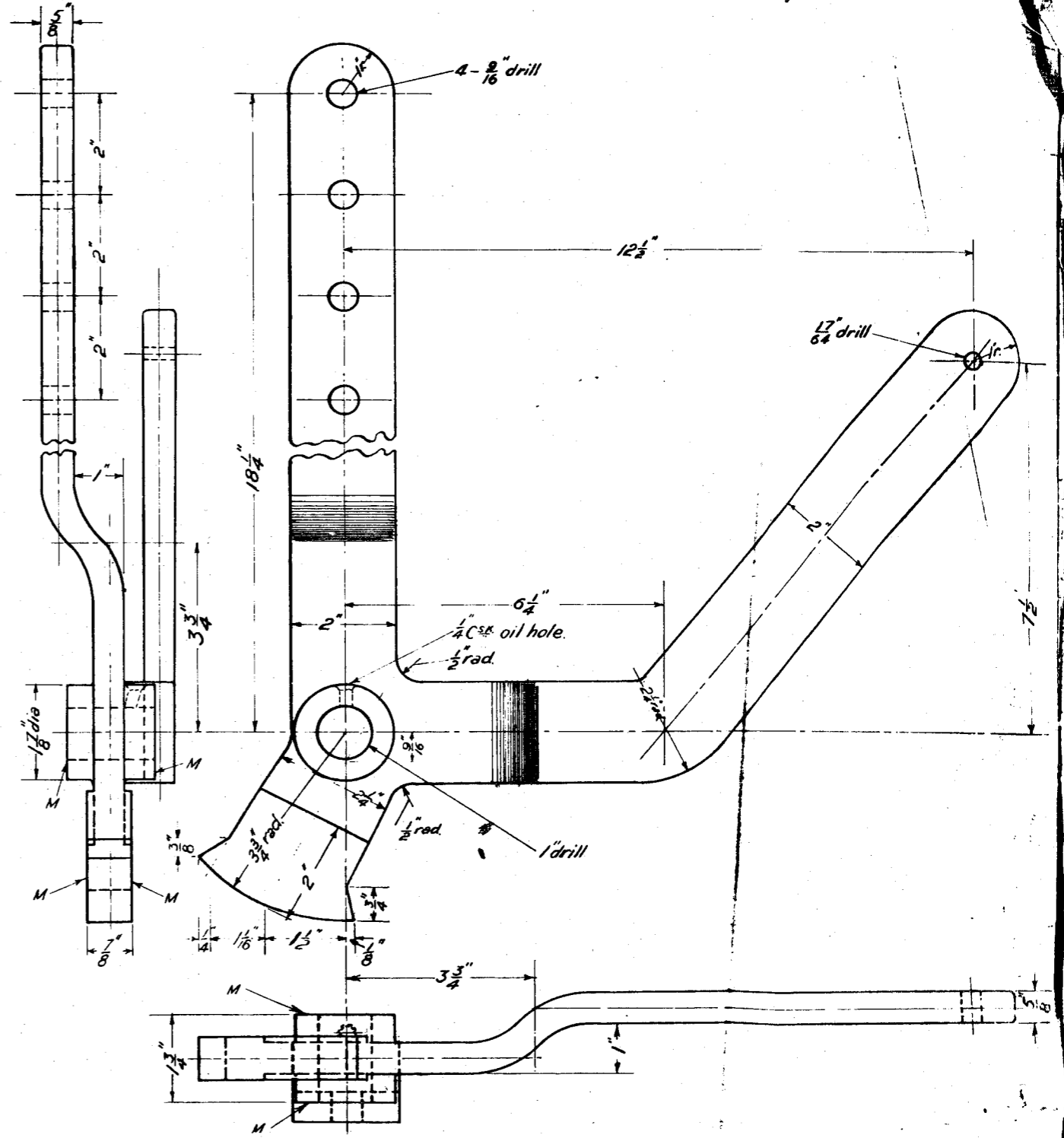
M.A. K.C.H.C.



16-6-37 / Alt. 357  
 27-1-37 / Alt. 347  
 29-8-34 / Alt. 293  
 22-1-27 / Alt. 163.  
 19-3-24

C.I.  
 Base

For 3 Blades  $X = 1\frac{1}{16}$ " 3H295  
 For 2 Blades  $X = \frac{3}{4}$ " 1H295



27-1-37 / Alt. 347  
 19-3-24

W.I.  
 Hatcher.

2H295

RECORD PLAN  
 R 3177

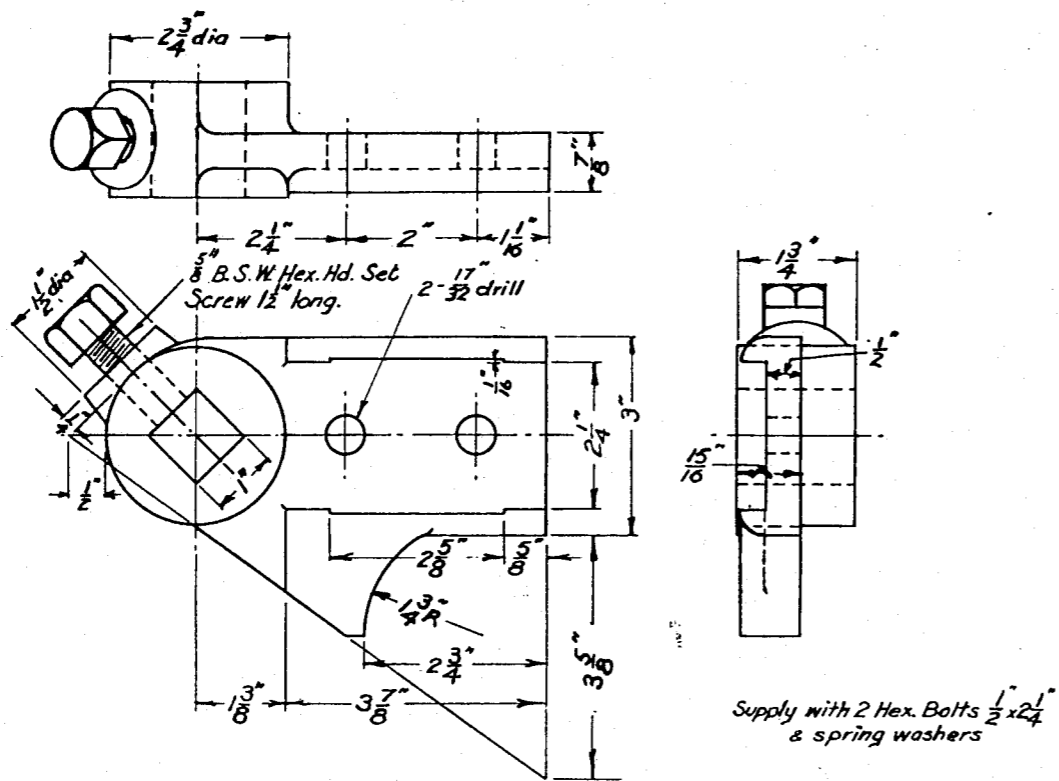
J-2-3

1. 26-9-36  
 Part 3H295 added.  
 W.A. KENNEDY

VICTORIAN RAILWAYS  
 HATCHET DETECTOR  
 DETAILS

Chief Engt	Drawn by	Traced by
Signe Toib	L. L. L.	L. P. L.
47		

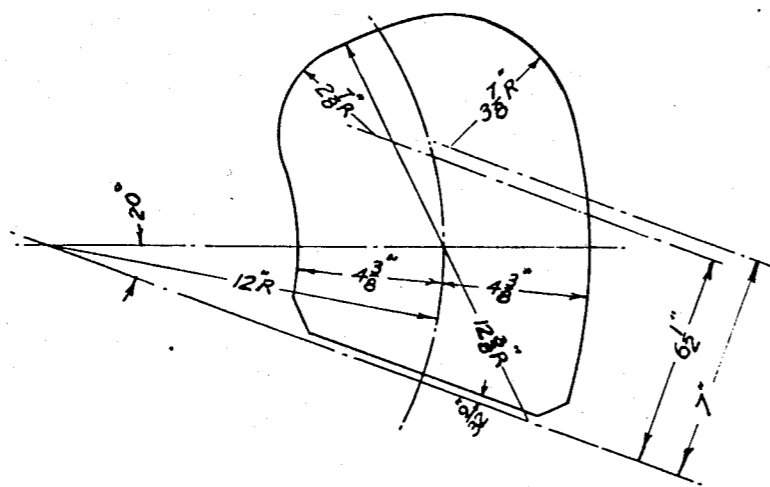
H295  
 19-3-24



A16. 1607/30-10-73  
A1t.616

C.I.  
HOLDER

2H235

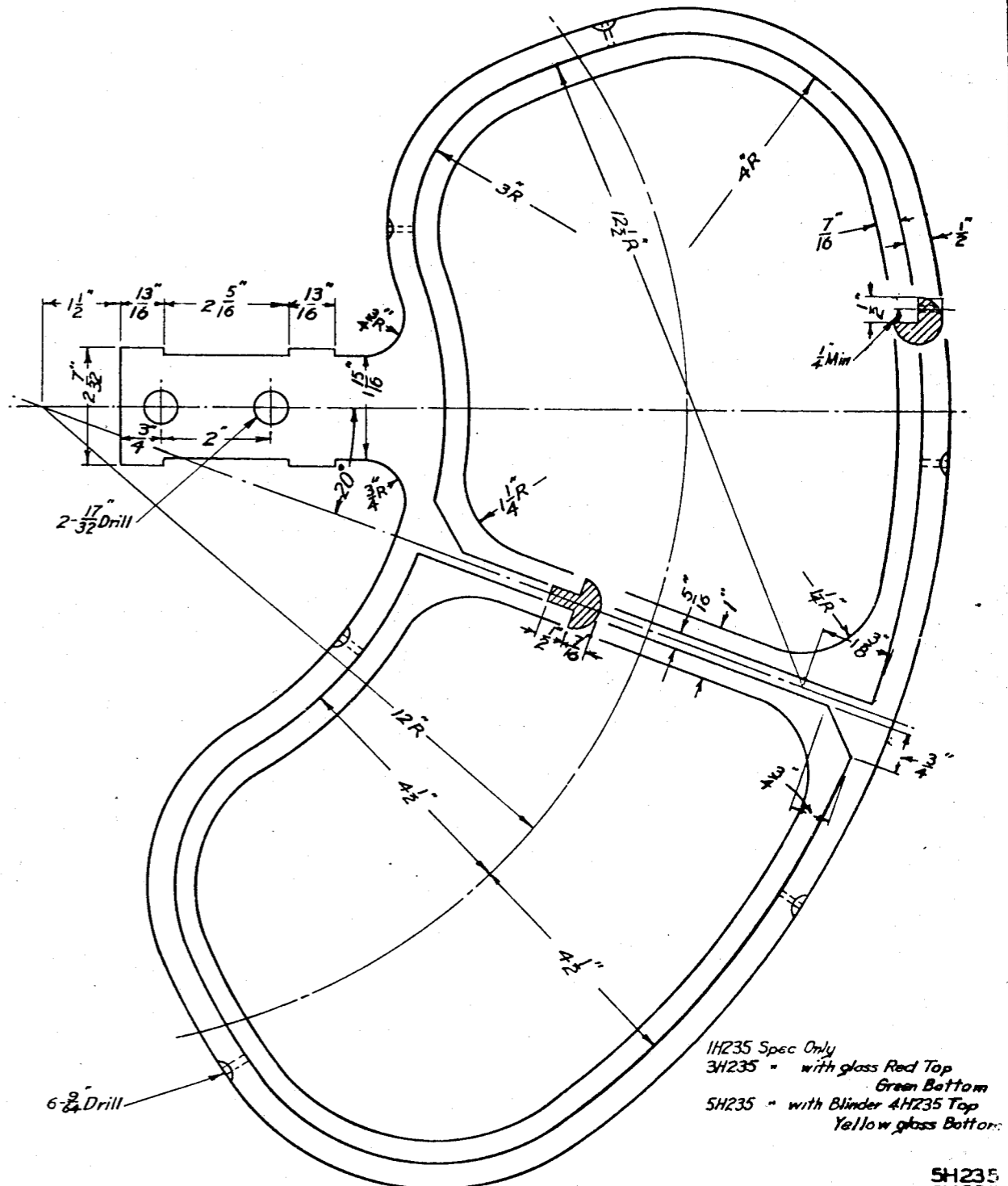


12-3-69/111 N°1360

M.S. 20 Gauge  
BLINDER

4 H235

A1t-824  
A1t.616



C.I.  
SPECTACLE TYPE "A"

1H235 Spec Only  
3H235 - with glass Red Top  
Green Bottom  
5H235 - with Blinder 4H235 Top  
Yellow glass Bottom

5H235  
3H235  
1H235

Redrawn including  
Revision N°1 & 2 &  
alterations N°616 & 824  
Originally Dated 23-2-23

VICTORIAN RAILWAYS  
MECHANICAL SEMAPHORE  
BALANCED ARM TYPE  
SPECTACLE DETAILS

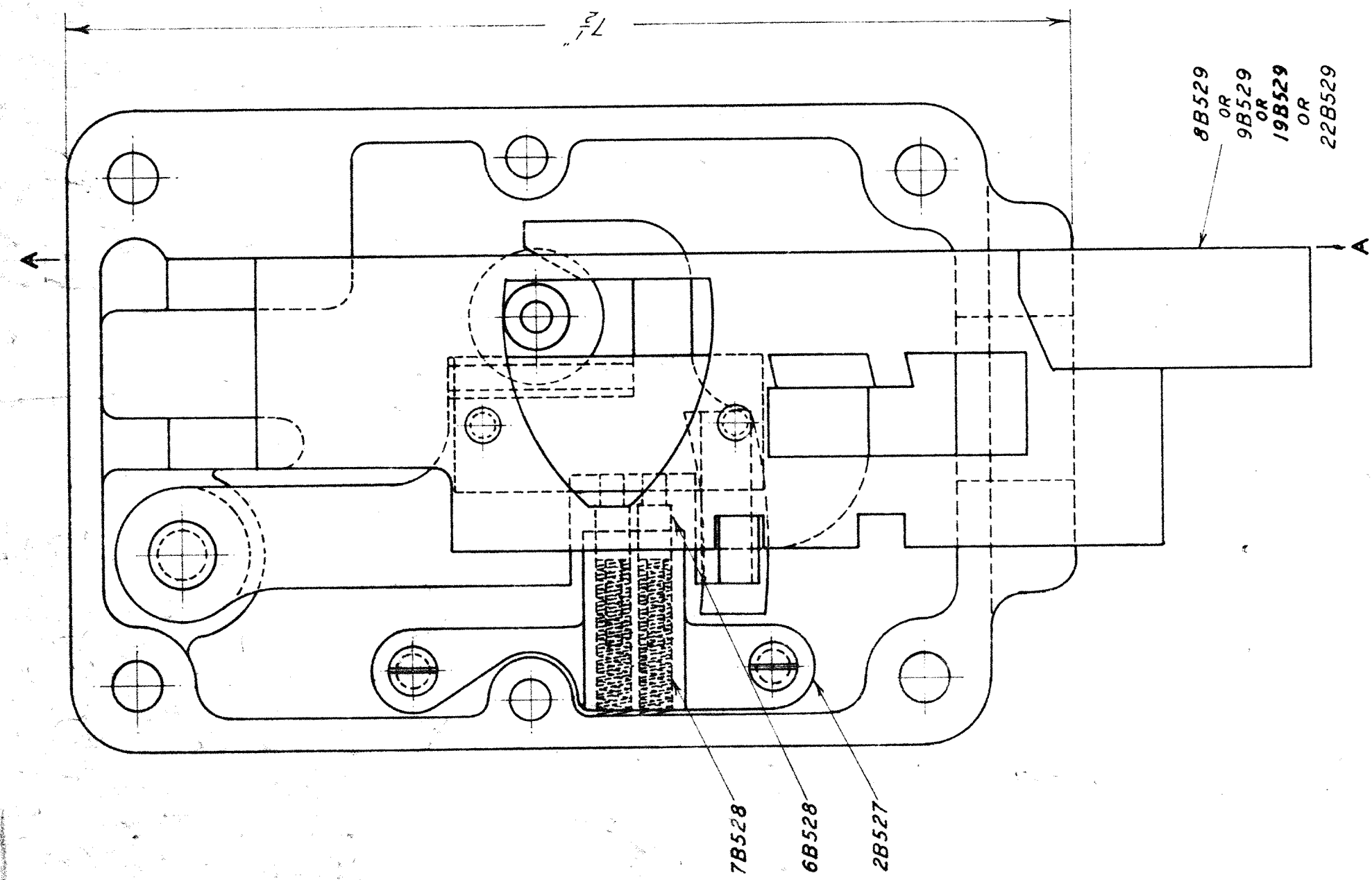
SIG & TEL ENGINEER  
DRAWN BY  
W.A.S.  
W.A.S.

H235

14-12-54

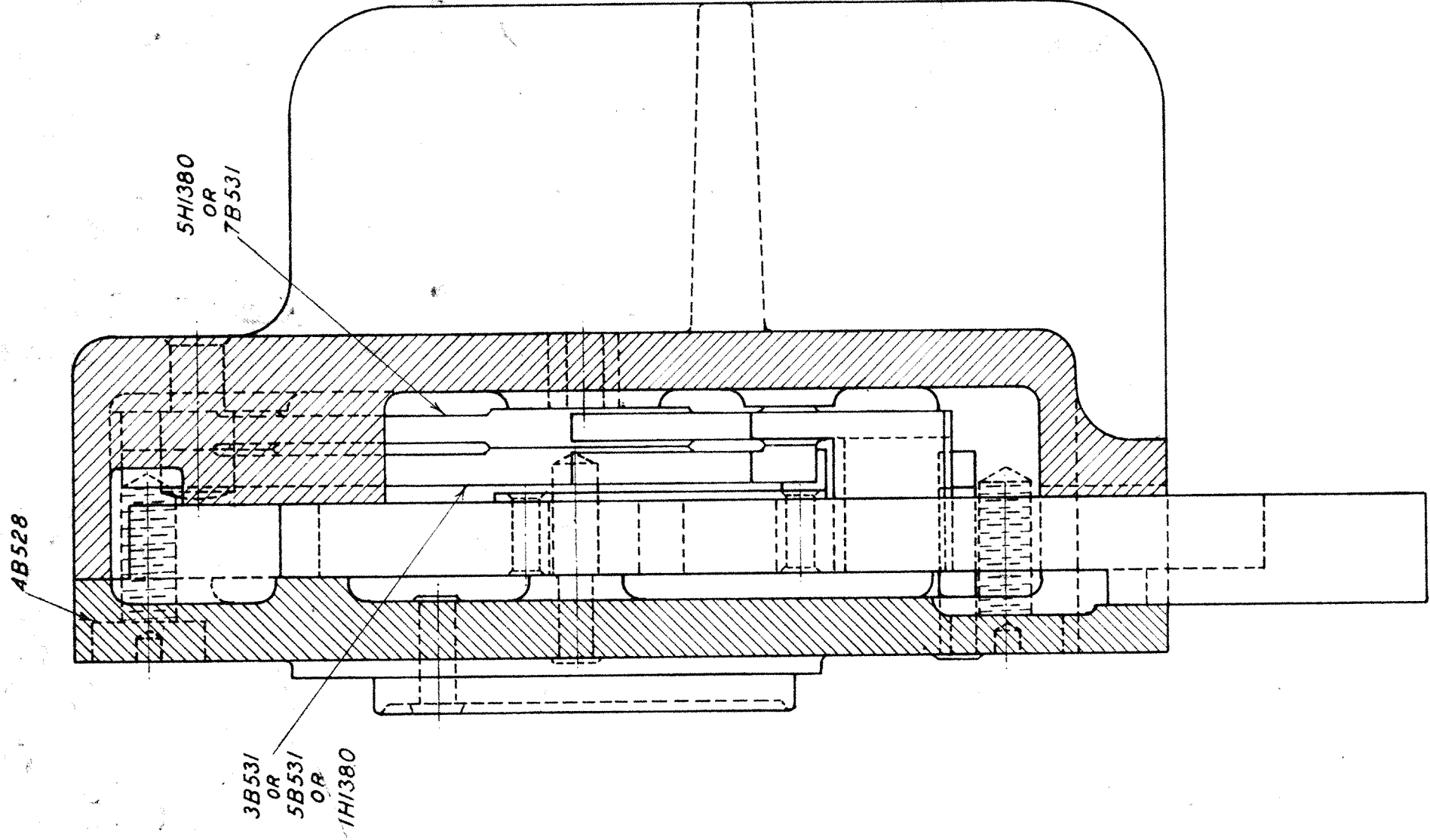
3122.  
J2-2.

183206  
223



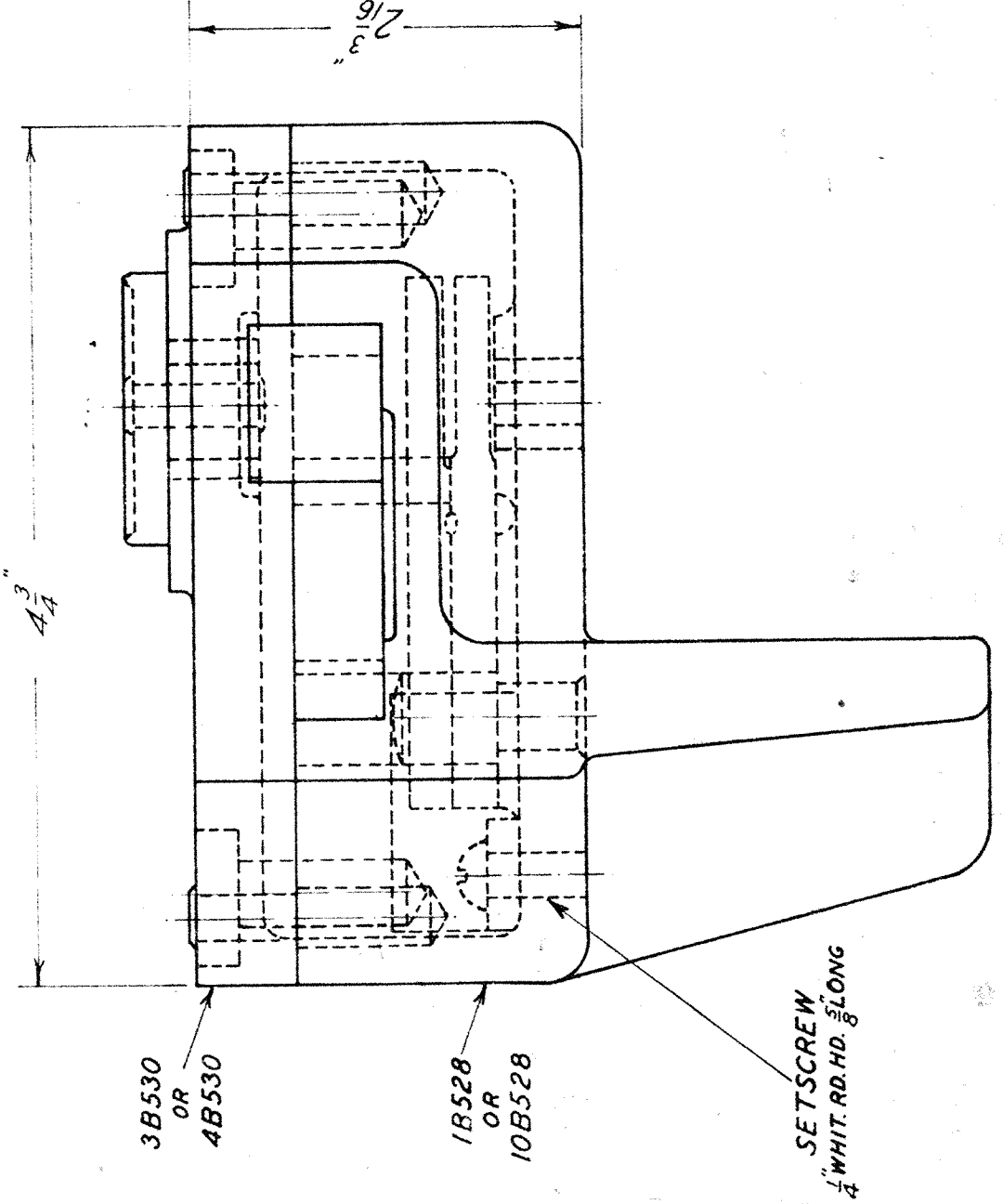
COVER REMOVED

SECTION A-A



ANNETT LOCK COMPLETE D PATTERN 4H327  
 ANNETT LOCK COMPLETE C PATTERN 3H327  
 ANNETT LOCK COMPLETE B PATTERN 2H327  
 ANNETT LOCK COMPLETE A PATTERN 1H327

NO.	NAME	MAT'L.	1H327	2H327	3H327	4H327
2B527	Ward Spring Plunger	Gunmetal	1	1	1	1
1B528	Case	C.I.	1	1	1	1
4B528	Cover Screw	M.S.	4	4	4	4
6B528	Ward Plunger	M.S.	2	2	2	2
7B528	Plunger Spring	Spring St.	2	2	2	2
10B528	Case	C.I.	-	-	-	-
8B529	Plunger	Gunmetal	1	-	-	-
9B529	Plunger	Gunmetal	-	1	-	-
19B529	Plunger	Gunmetal	-	-	1	-
22B529	Plunger	Gunmetal	-	-	-	1
3B530	Cover	C.I.	1	-	1	1
4B530	Cover	C.I.	-	1	-	-
3B531	Top Ward	Gunmetal	1	-	-	-
5B531	Top Ward	Gunmetal	-	1	-	-
7B531	Bottom Ward	Gunmetal	1	-	-	-
1H1380	Top Ward	Gunmetal	-	-	1	-
5H1380	Bottom Ward	Gunmetal	-	-	-	1
	Setscrew $\frac{1}{4}$ " B.S.W. Rd. Hd. $\frac{5}{8}$ " long	M.S.	2	2	2	2



KEY TO BE ORDERED SEPARATELY  
 A. PATTERN 10B529  
 B. PATTERN 12B529  
 C. PATTERN 1F5021  
 D. PATTERN 3H1380

D. PATTERN 4H327  
 C. PATTERN 3H327  
 B. PATTERN 2H327  
 A. PATTERN 1H327

ANNETT LOCK FOR QUADRANT, SMALL POINT LEVER OR APPARATUS LEVER

VICTORIAN RAILWAYS  
**ANNETT LOCK**  
 (FOR LEVERS)  
 ASSEMBLY

REDRAWN, Including Alterations 85, 303 & 403 Original under title Annett Locks - Types A18 dated 15-10-24

2	15-10-64	1	24-2-64	Part No. 4H327 added	Part No. 3H327 added
1					

1	15-10-64	1	24-2-64	Part No. 4H327 added	Part No. 3H327 added
2					

H327

H 327

SCALE: Full Size. 22-7-47

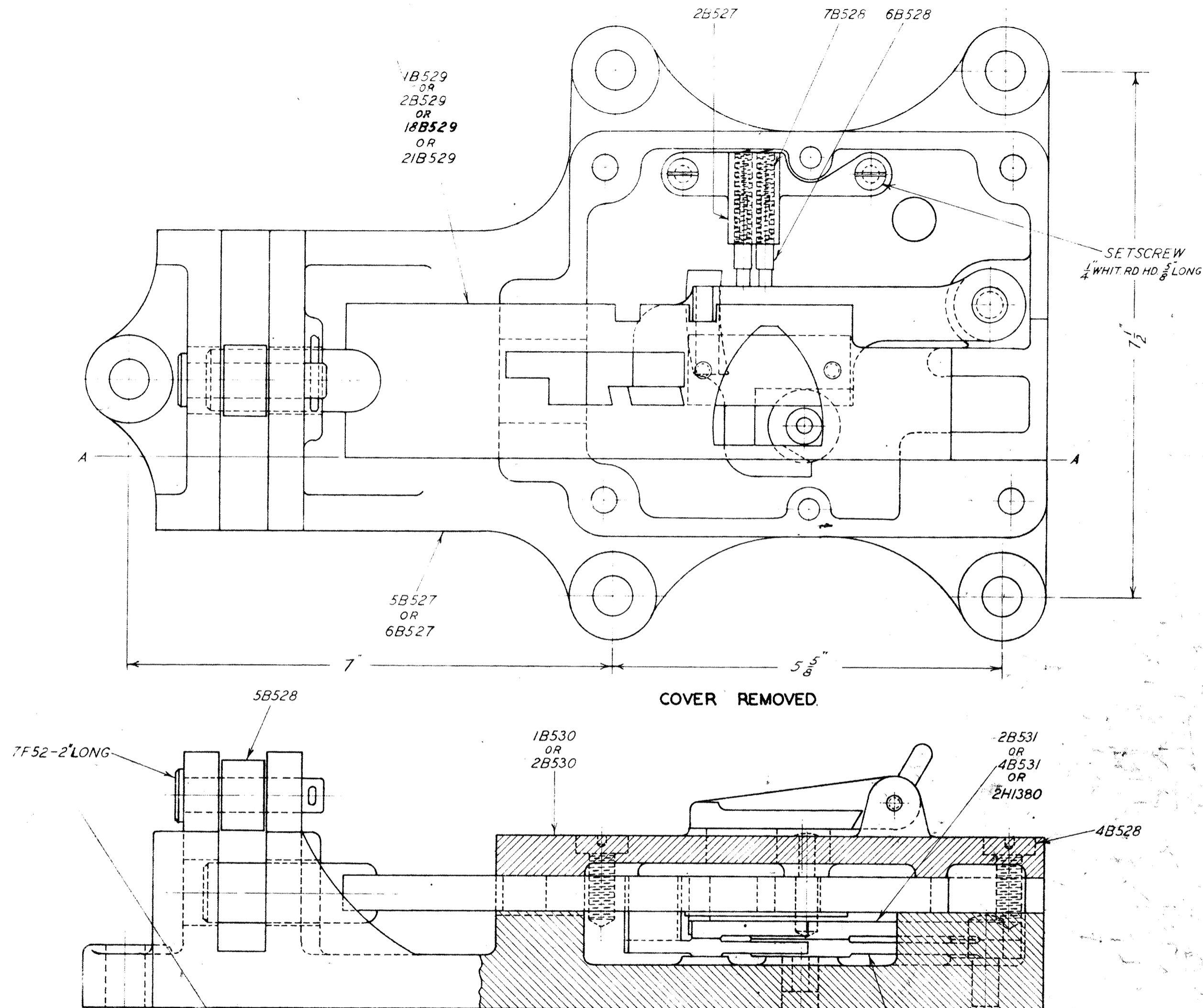
Sig & Tel. Engineer  
 Drawn by L.P.  
 Traced by L.P.  
 M.W. M.M.B.

ANNETT LOCK COMPLETE D PATTERN 4H329  
 ANNETT LOCK COMPLETE C PATTERN 3H329  
 ANNETT LOCK COMPLETE B PATTERN 2H329  
 ANNETT LOCK COMPLETE A PATTERN 1H329

NO.	NAME	MAT'L.	1H329	2H329	3H329	4H329
2B527	Ward Spring Plunger	Gunmetal	1	1	1	1
5B527	Case	C.I.	1	1	1	1
6B527	Case	C.I.	1	1	1	1
4B528	Cover Screw	M.S.	4	4	4	4
5B528	Roller	M.S.	1	1	1	1
6B528	Ward Plunger	M.S.	2	2	2	2
7B528	Plunger Spring	Sp.Steel	2	2	2	2
1B529	Plunger	Gunmetal	1	1	1	1
2B529	Plunger	Gunmetal	1	1	1	1
1B529	Plunger	Gunmetal	1	1	1	1
2B529	Plunger	Gunmetal	1	1	1	1
1B530	Cover	C.I.	1	1	1	1
2B530	Cover	C.I.	1	1	1	1
2B531	Top Ward	Gunmetal	1	1	1	1
4B531	Top Ward	Gunmetal	1	1	1	1
6B531	Bottom Ward	Gunmetal	1	1	1	1
7F52	Pin 2" long	M.S.	1	1	1	1
2H1380	Top Ward	Gunmetal	1	1	1	1
4H1380	Bottom Ward	Gunmetal	1	1	1	1
	Setscrew $\frac{1}{4}$ " B.S.W. Rd. Hd. $\frac{5}{8}$ " long	M.S.	2	2	2	2

KEY TO BE ORDERED SEPARATELY

A. PATTERN 10B529  
 B. PATTERN 12B529  
 C. PATTERN 1F5021  
 D. PATTERN 3H1380



ANNETT LOCK FOR POINTS

PART SECTION A-A

D. PATTERN 4H329  
 C. PATTERN 3H329  
 B. PATTERN 2H329  
 A. PATTERN 1H329

43208  
 423

2	15-10-64	1	2A-2-64
Part No	4H329	Part No	3H329
added.		added.	

REDRAWN- Including Alterations, 91, 305 & 403 Original under title Annett Locks Types A & B dated 13-10-24.

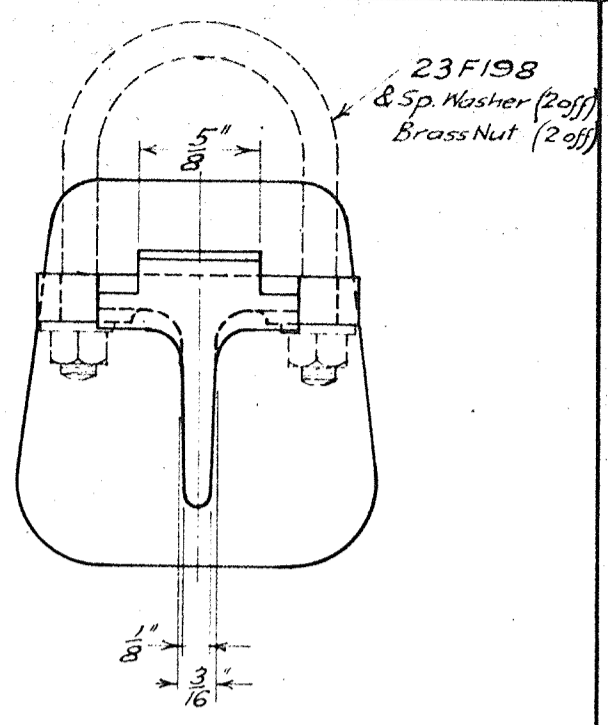
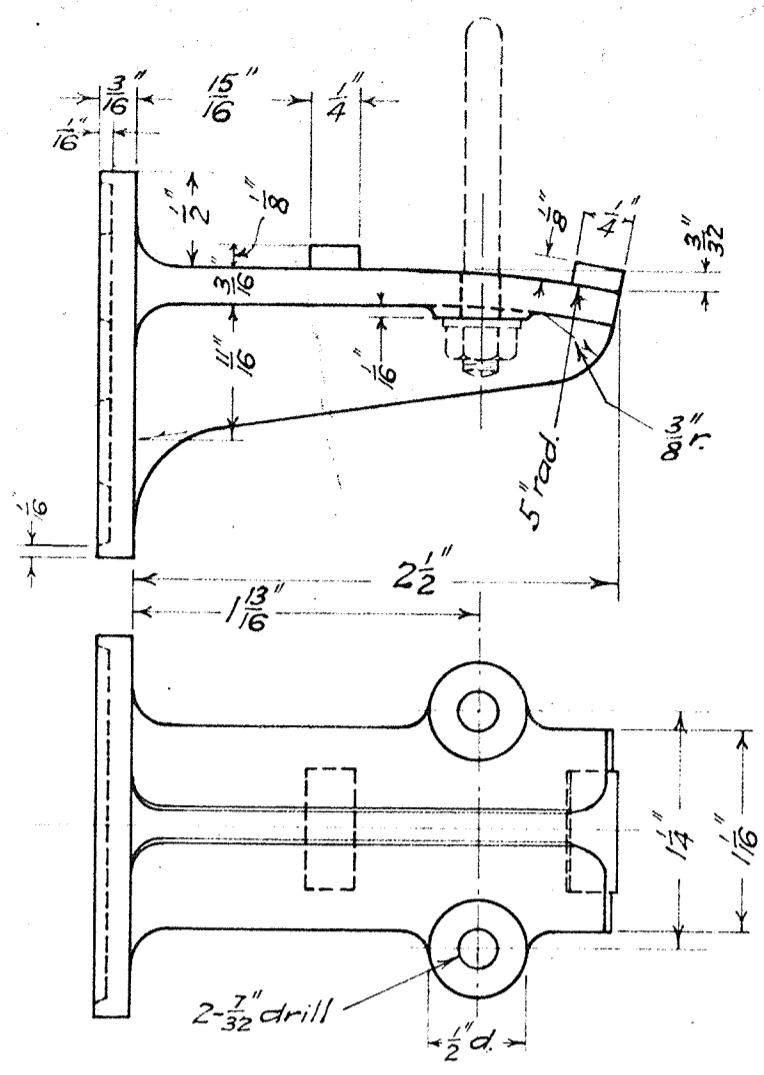
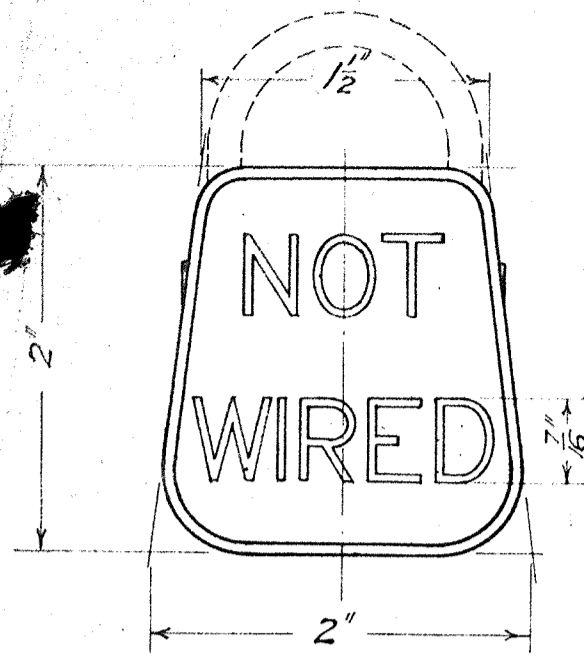
VICTORIAN RAILWAYS  
 ANNETT LOCK  
 (FOR POINTS)  
 ASSEMBLY

SCALE: 9/16" = 1"

22-7-47

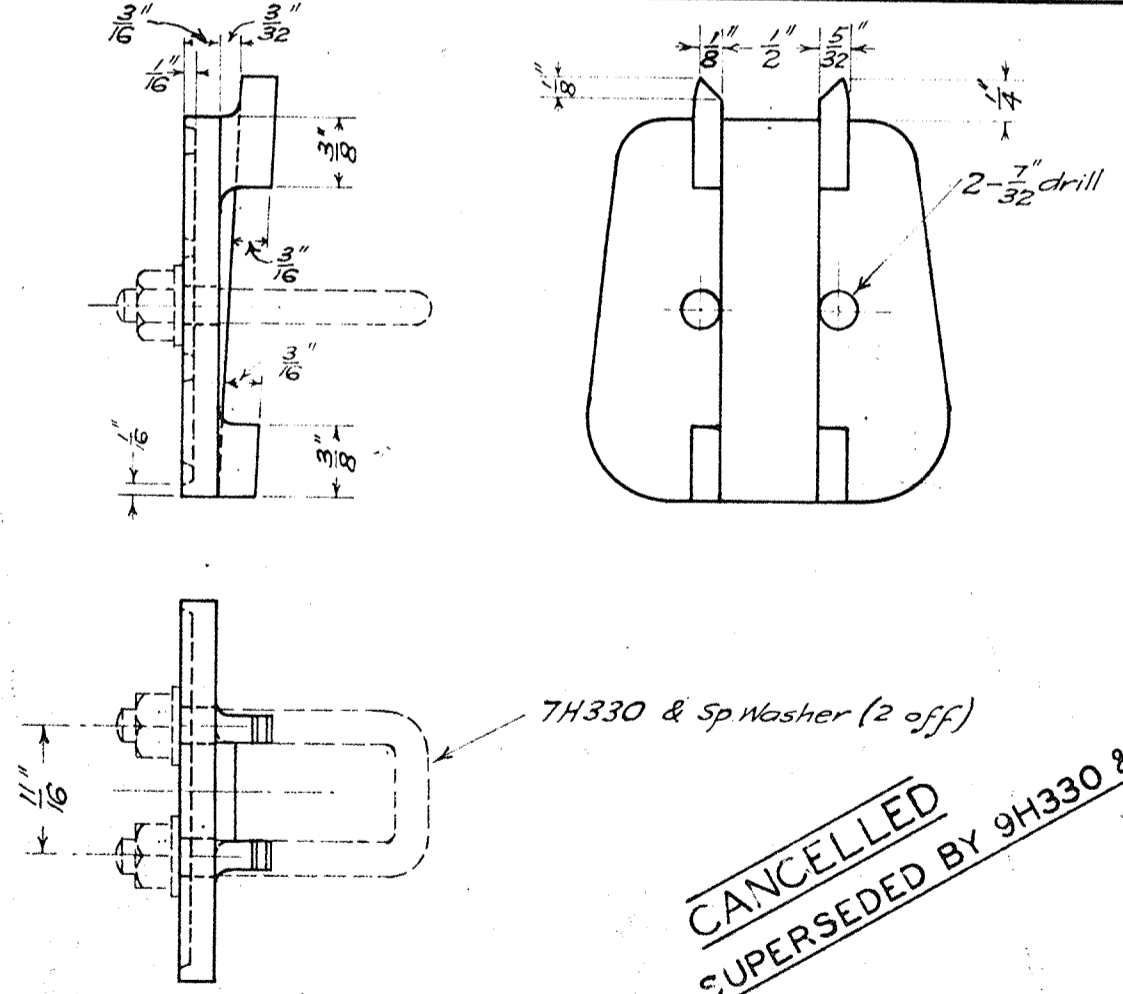
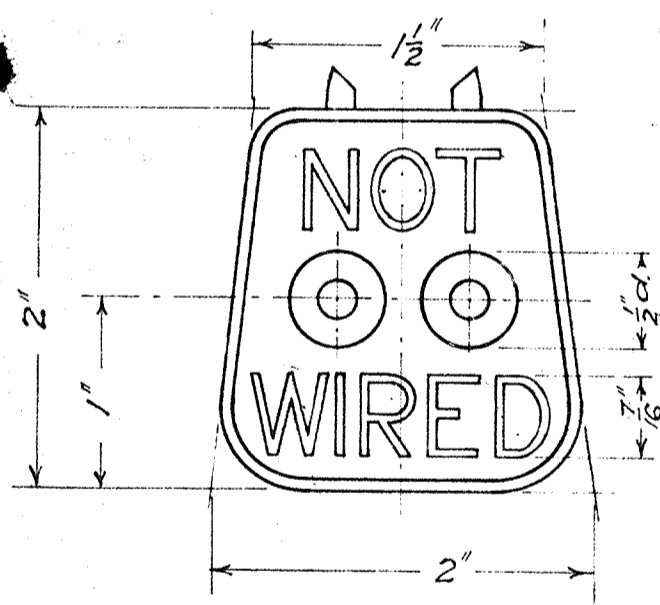
Sig. & Tel. Engineer.	Drawn by L.J.P.	Traced by L.J.P.

H 329



NOTE: - Background for letters to be painted black

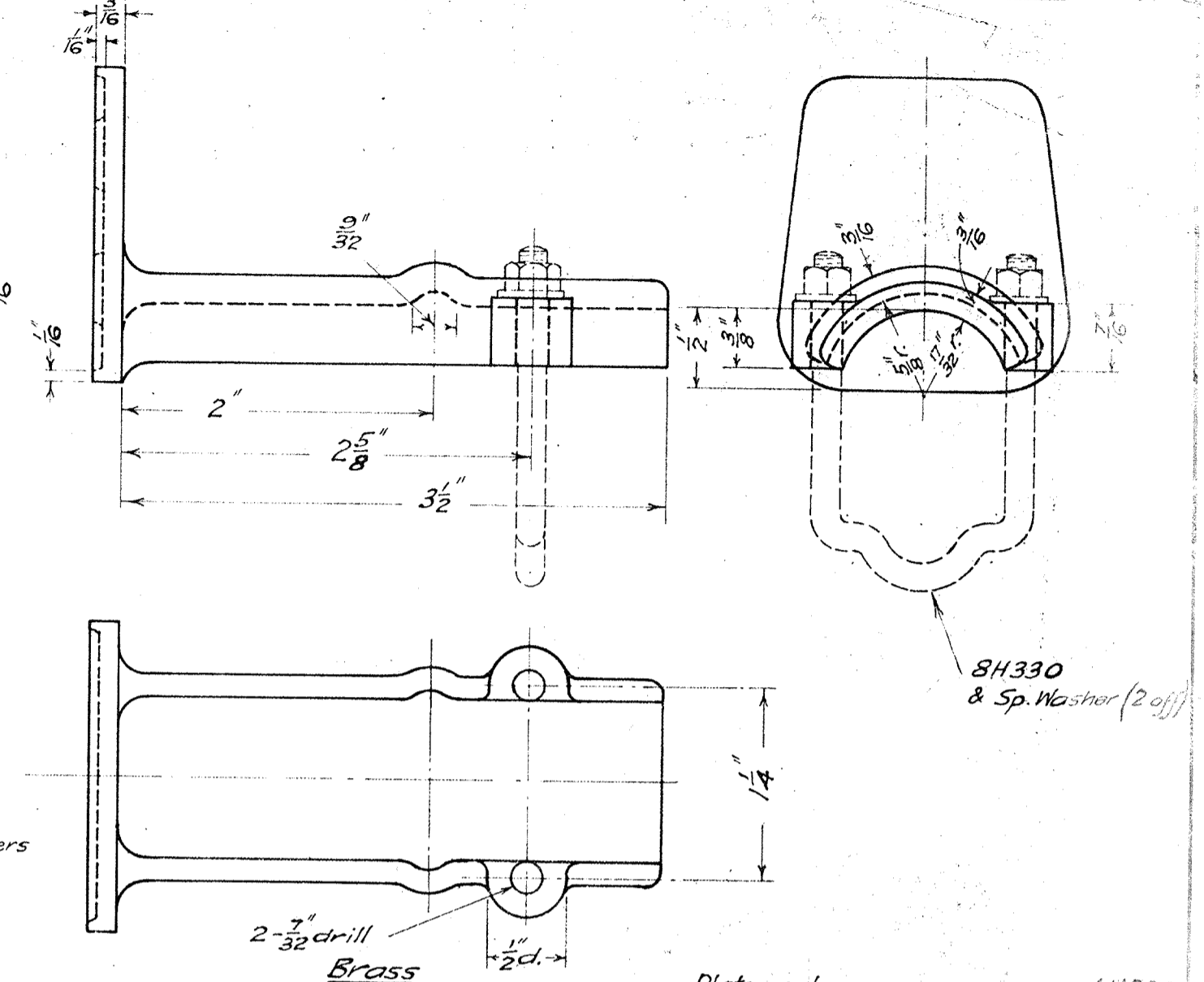
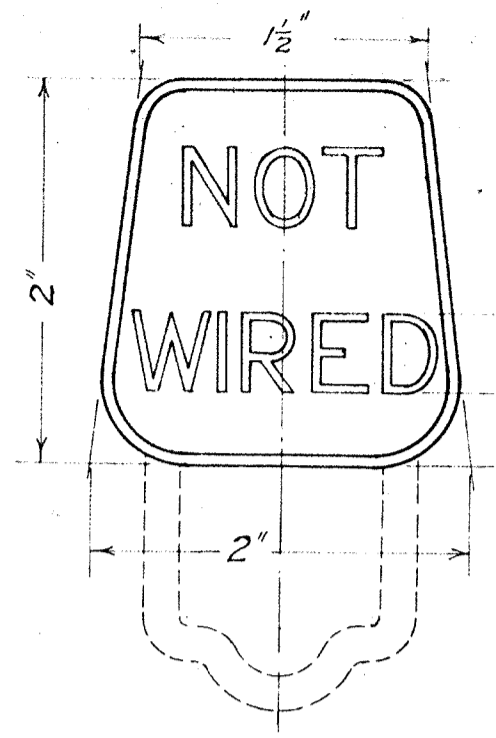
22-8-24 Unwired Route Plate for G.R.S. type Lever (Top Handle) Brass Plate only Plate complete with 23F198 (1 off) 2H330 1H330



NOTE: - Background for letters to be painted black

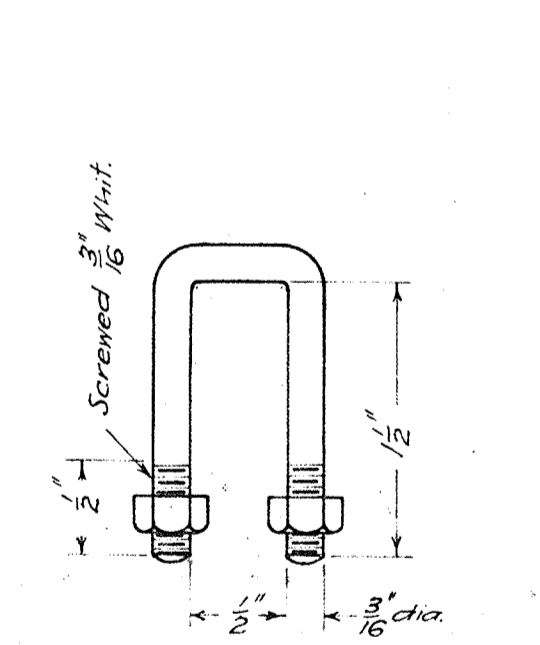
Unwired Route Plate for MCK & H (Aust) type Lever Brass Plate only Plate complete with 7H330 (1 off) 6H330 5H330

**CANCELLED**  
**SUPERSEDED BY 9H330 & 10H330**

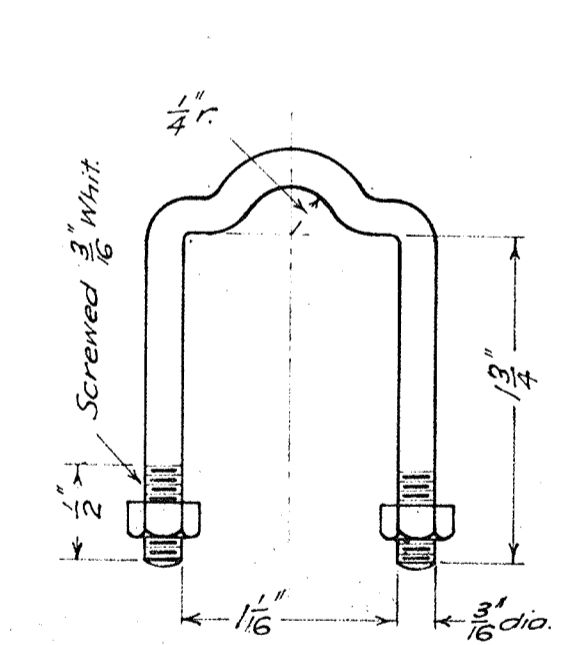


NOTE: - Background for letters to be painted black

22-8-24 Unwired Route Plate for G.R.S. type Lever (Bottom Handle) Brass Plate only Plate complete with 8H330 (1 off) 4H330 3H330

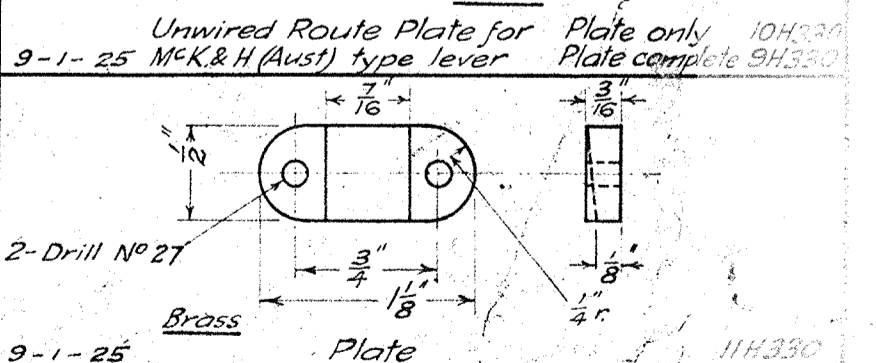
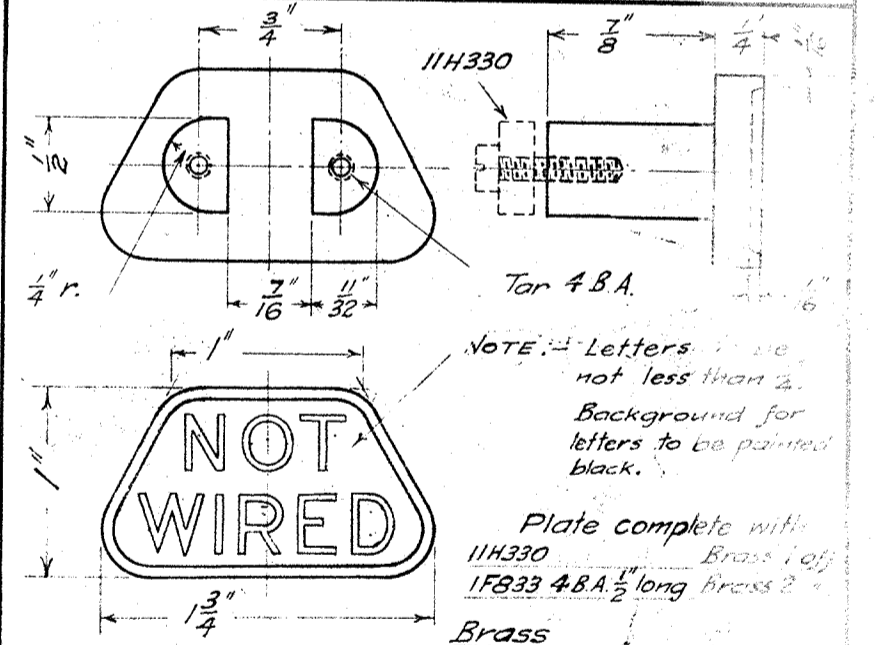


Supplied with 2-3/16 Brass Nuts



Supplied with 2-3/16 Brass Nuts

22-8-24 M.S. U Bolt 7H330



NOTE: - Letters to be not less than 2. Background for letters to be painted black.

Plate complete with 11H330 Brass 1 off 1F833 4BA 1/2 long Brass 2

Unwired Route Plate for MCK & H (Aust) type lever Plate only 10H330 Plate complete 9H330 9-1-25 Brass Plate 11H330

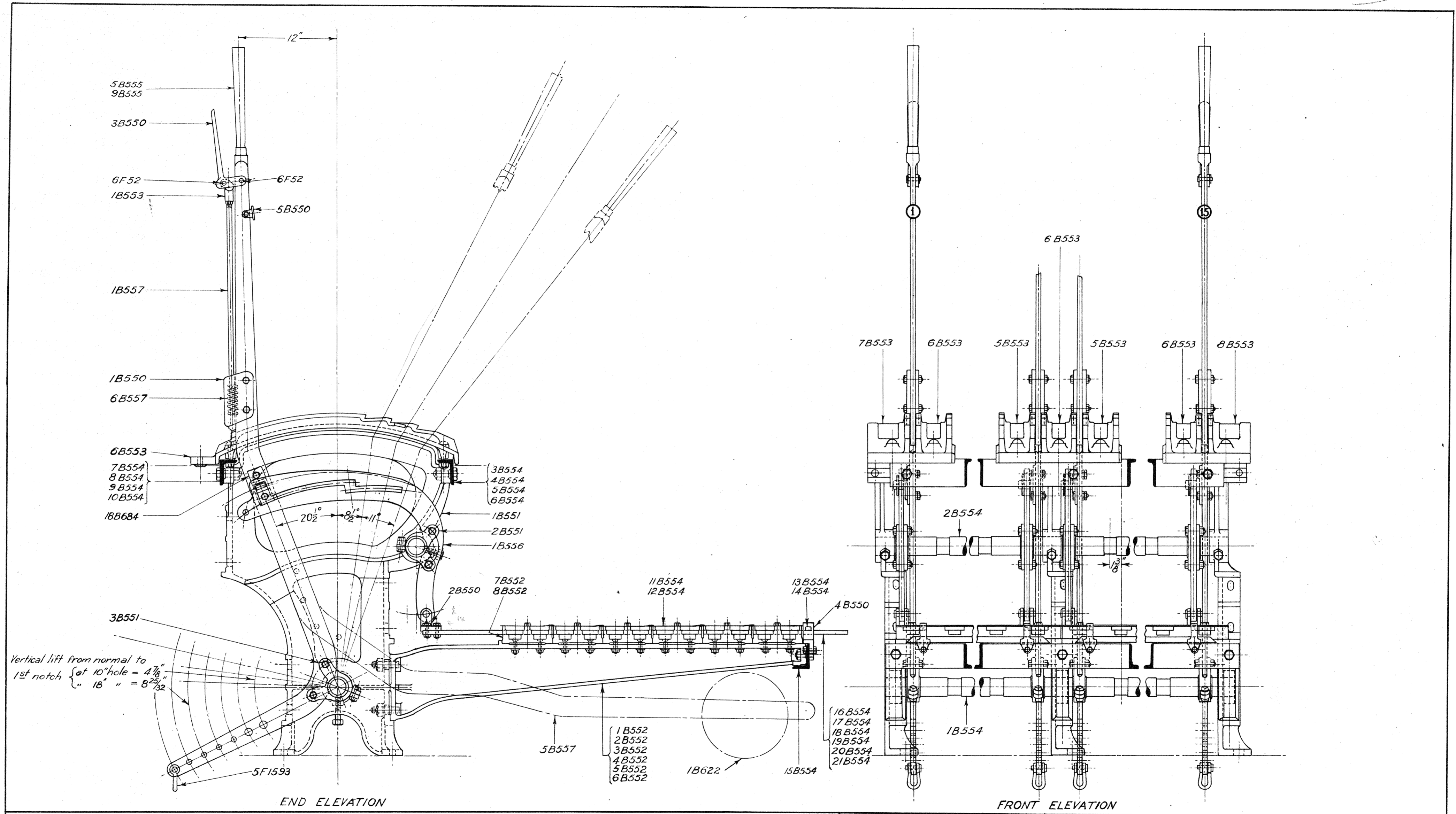
2	3-3-30	1	9-1-25	<b>VICTORIAN RAILWAYS</b> <b>UNWIRED ROUTE PLATES</b> <b>FOR MINIATURE LEVERS</b> POWER MACHINES	Chief Eng. of Sigs. & Tels.	Drawn by	Traced by
Parts No 5H330, 6H330, & 7H330 cancelled, superseded by 9H330, 10H330, & 11H330.	Parts No 9H330 10H330 & 11H330 added				s.c.o.	s.c.o.	

**H 330**

22-8-24

322

J2-3.



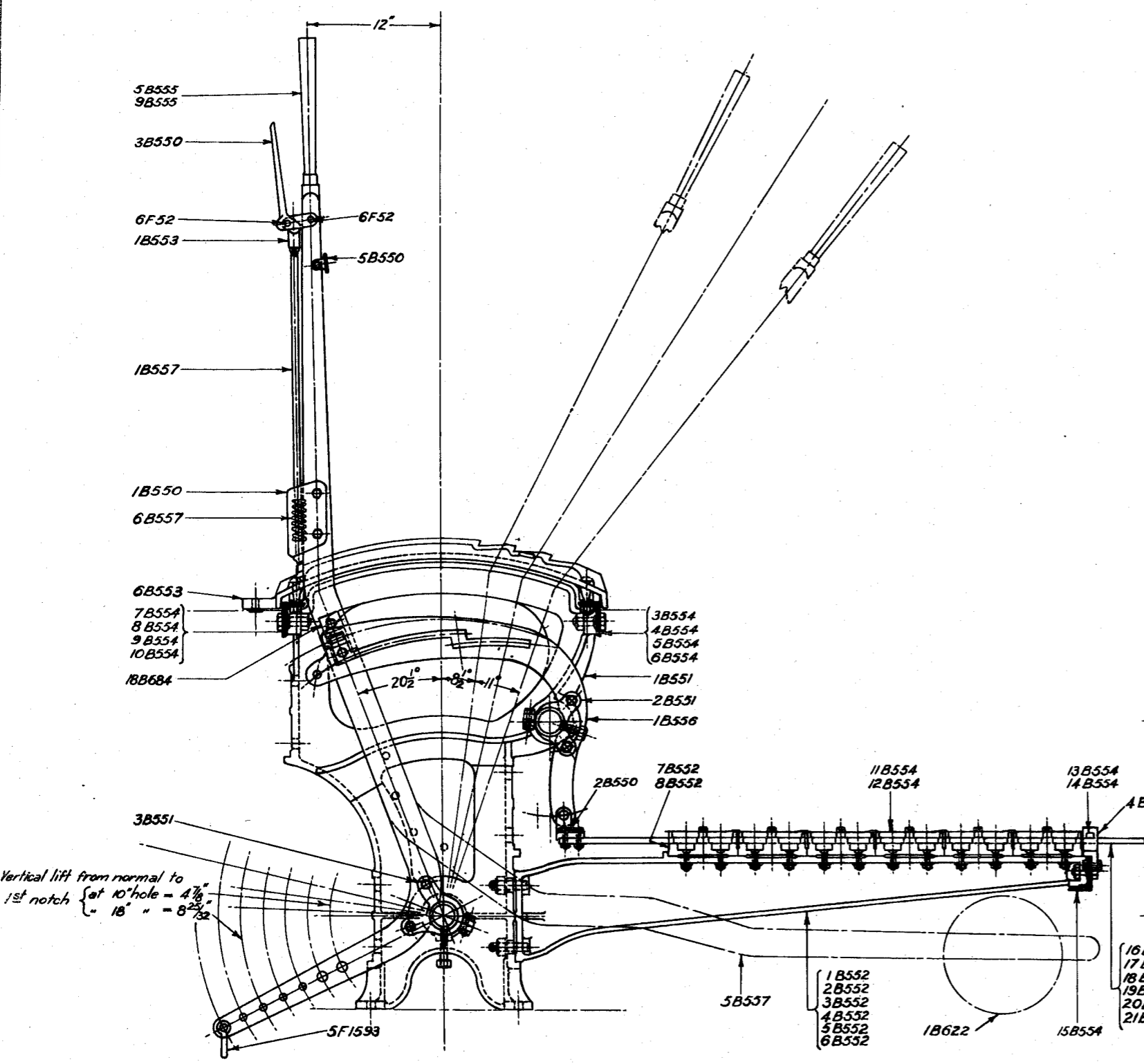
END ELEVATION

FRONT ELEVATION

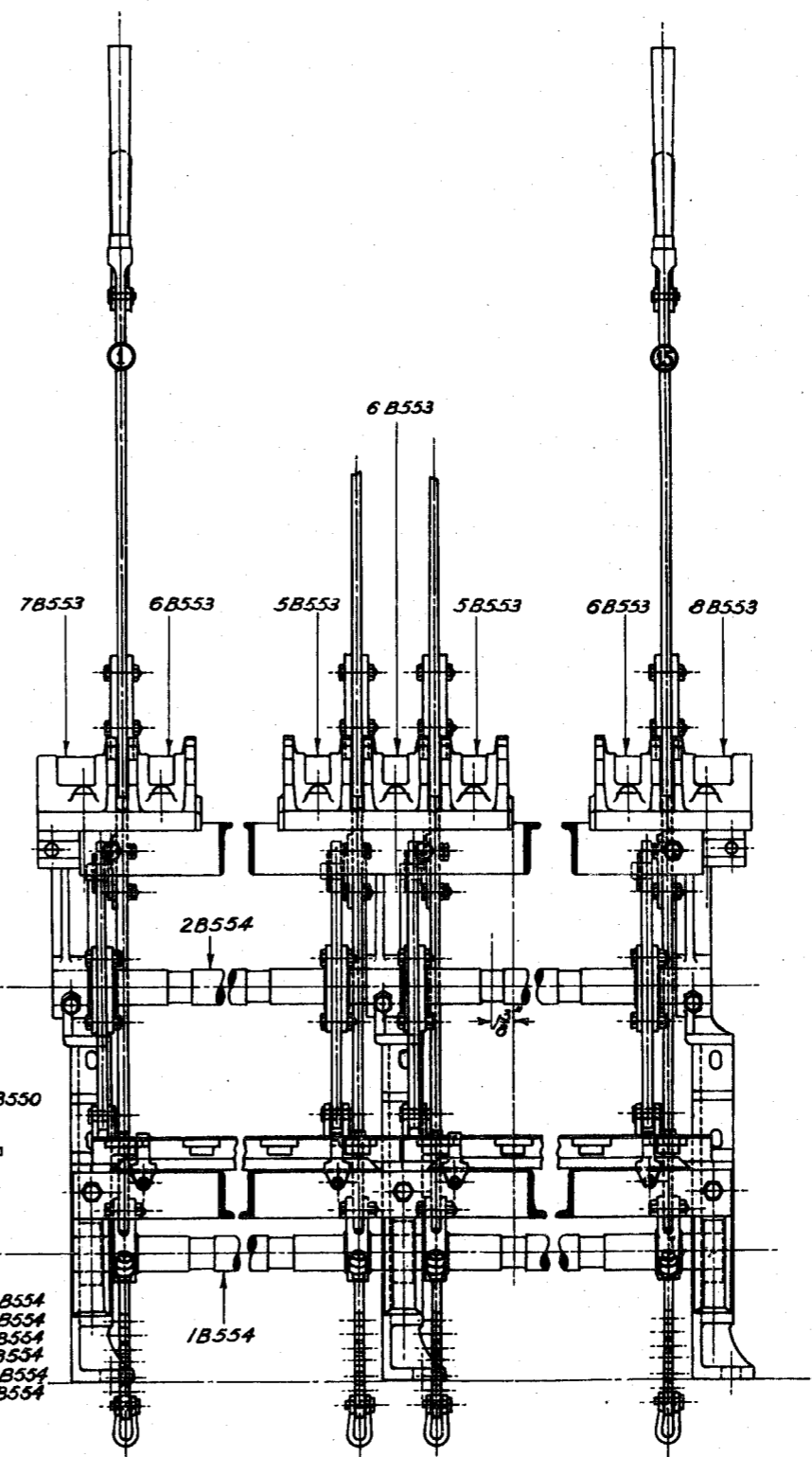
Redrawn including Alterations 166, 738, & 739. Original under same Title Dated 26-3-25	For Material List see Drawing A391	<b>VICTORIAN RAILWAYS</b> <b>MECHANICAL INTERLOCKING APPARATUS</b> <b>TYPE "A" CAM &amp; TAPPET</b> <b>ASSEMBLY</b>		Sig. & Tel. Engineer <i>E.W.H.</i>	Drawn by E.W.H.	Traced by E.R.J.
		Scale: 1/2" = 1 Foot.		19-10-55.		

H 333

1911-2-13



END ELEVATION



FRONT ELEVATION

Redrawn including  
Alterations 166, 738,  
& 739.  
Original under same  
Title Dated 26-3-25

For Material  
List see  
Drawing A391

VICTORIAN RAILWAYS  
MECHANICAL INTERLOCKING APPARATUS  
TYPE 'A' CAM & TAPPET  
ASSEMBLY  
Scale: 1/2" = 1 Foot.

Sig. & Tel.  
Engineer  
A.W.

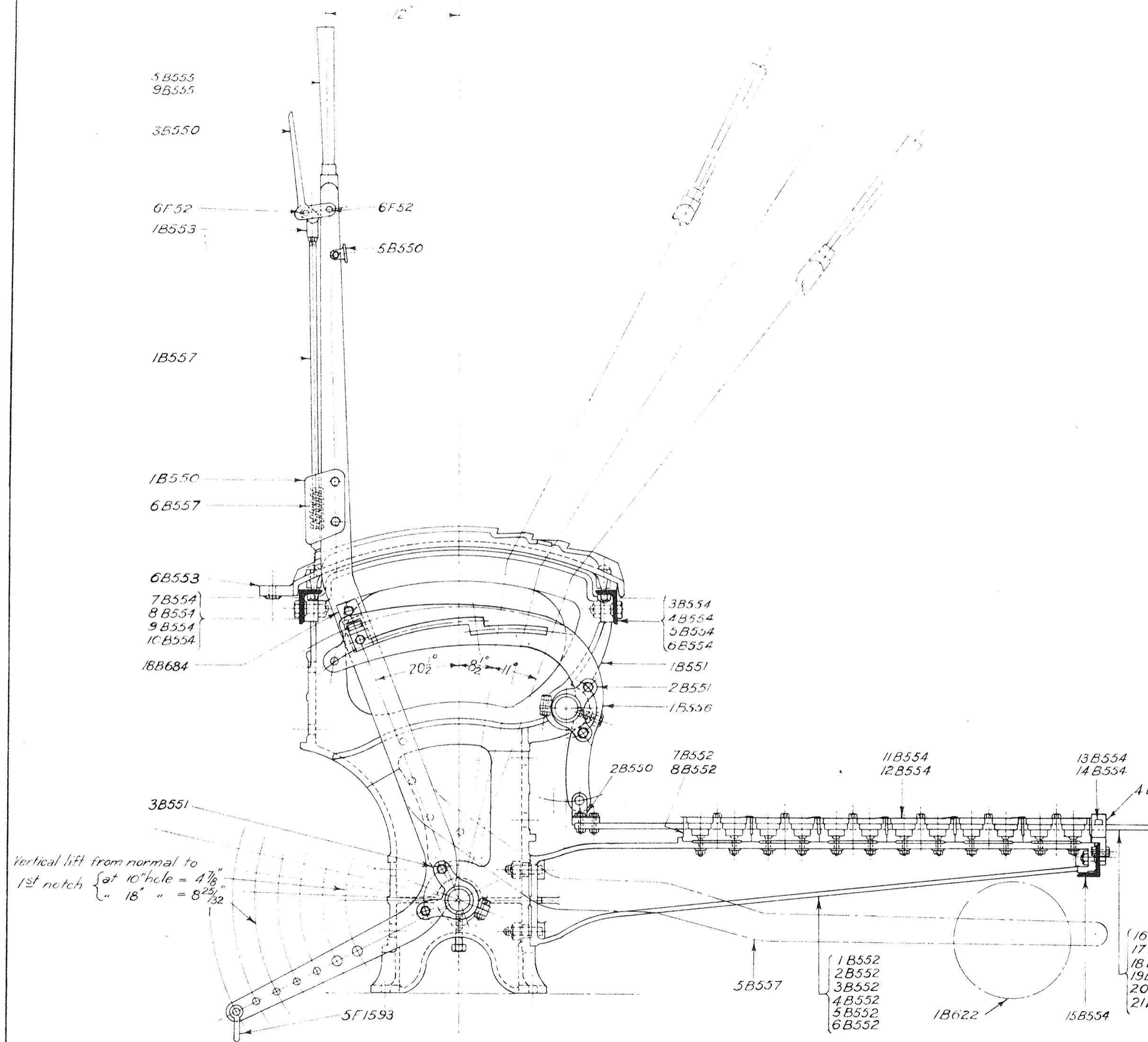
Drawn by  
F.W.H.

Traced by  
E.R.J.

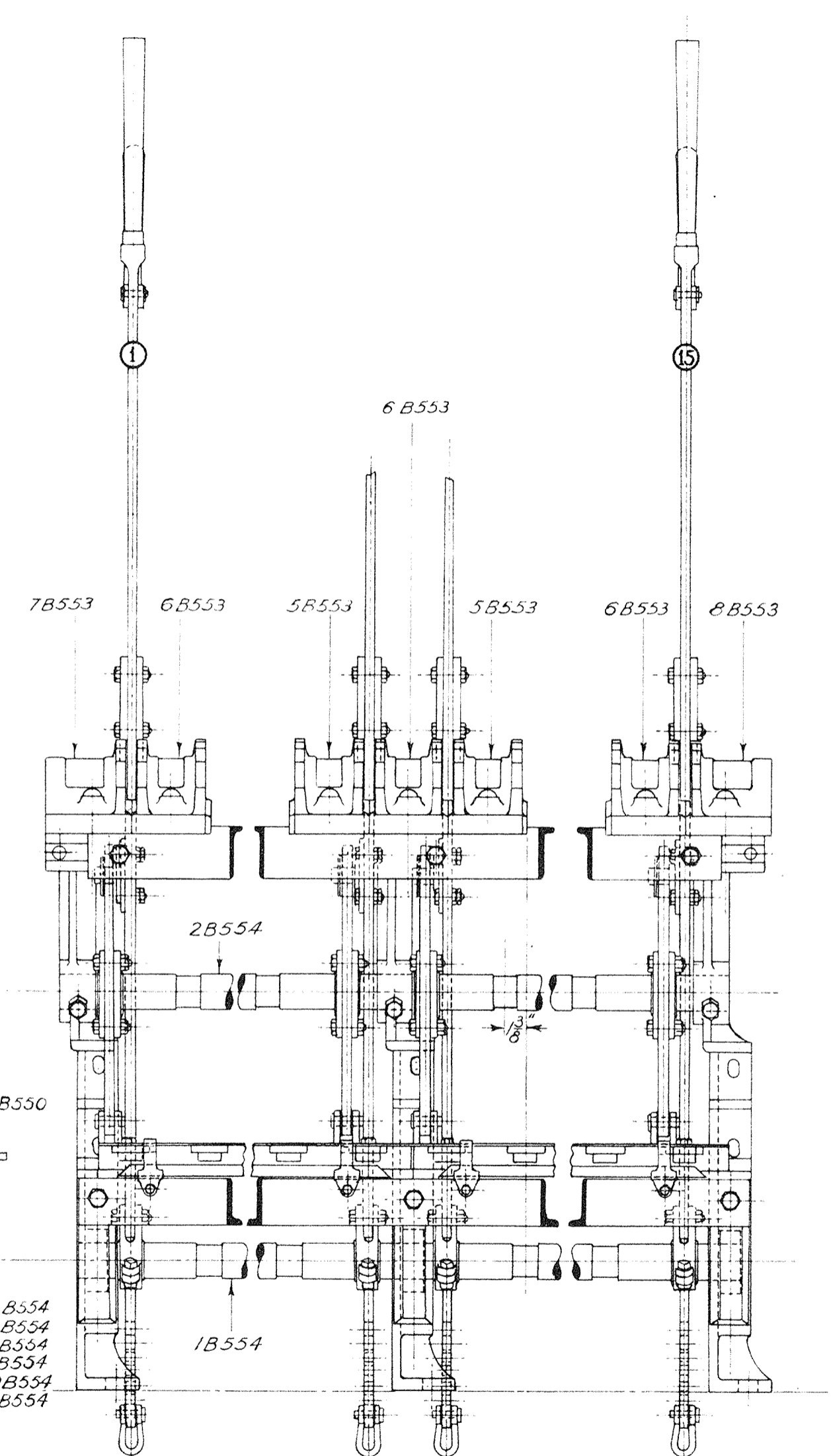
H 333

19-10-55.





END ELEVATION

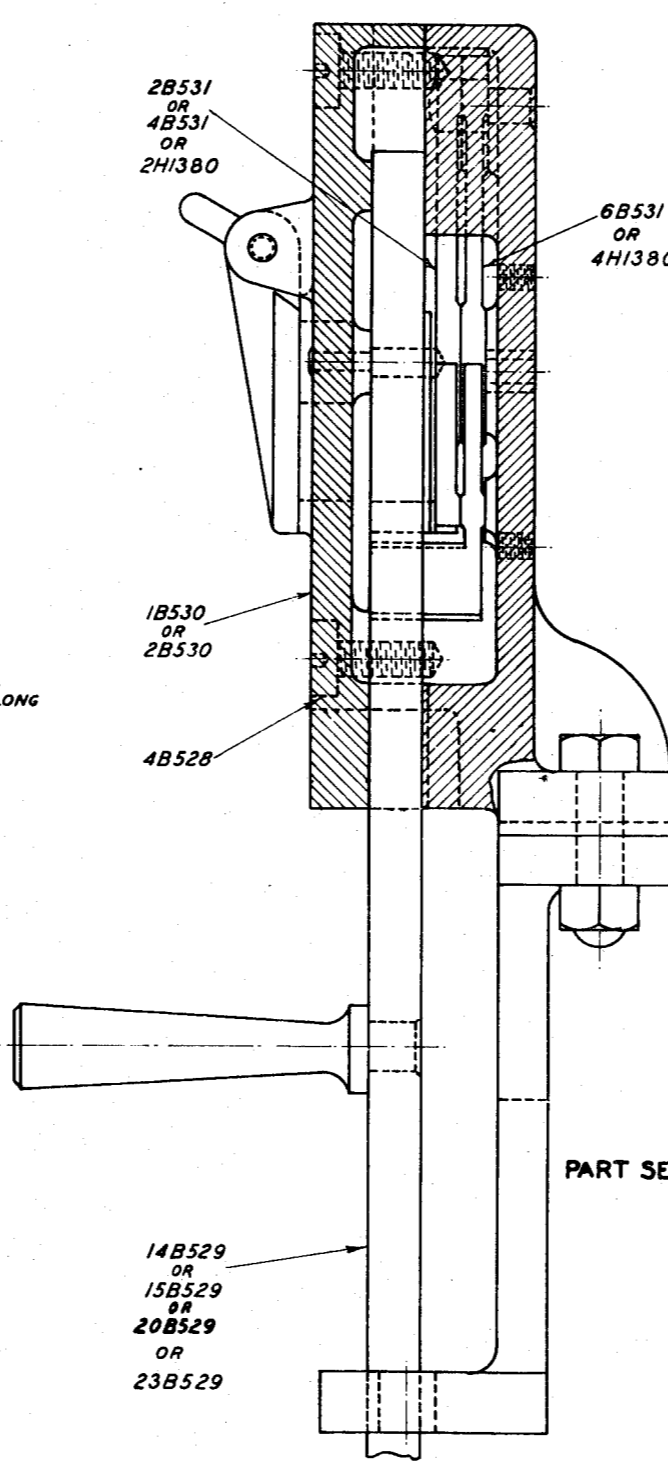
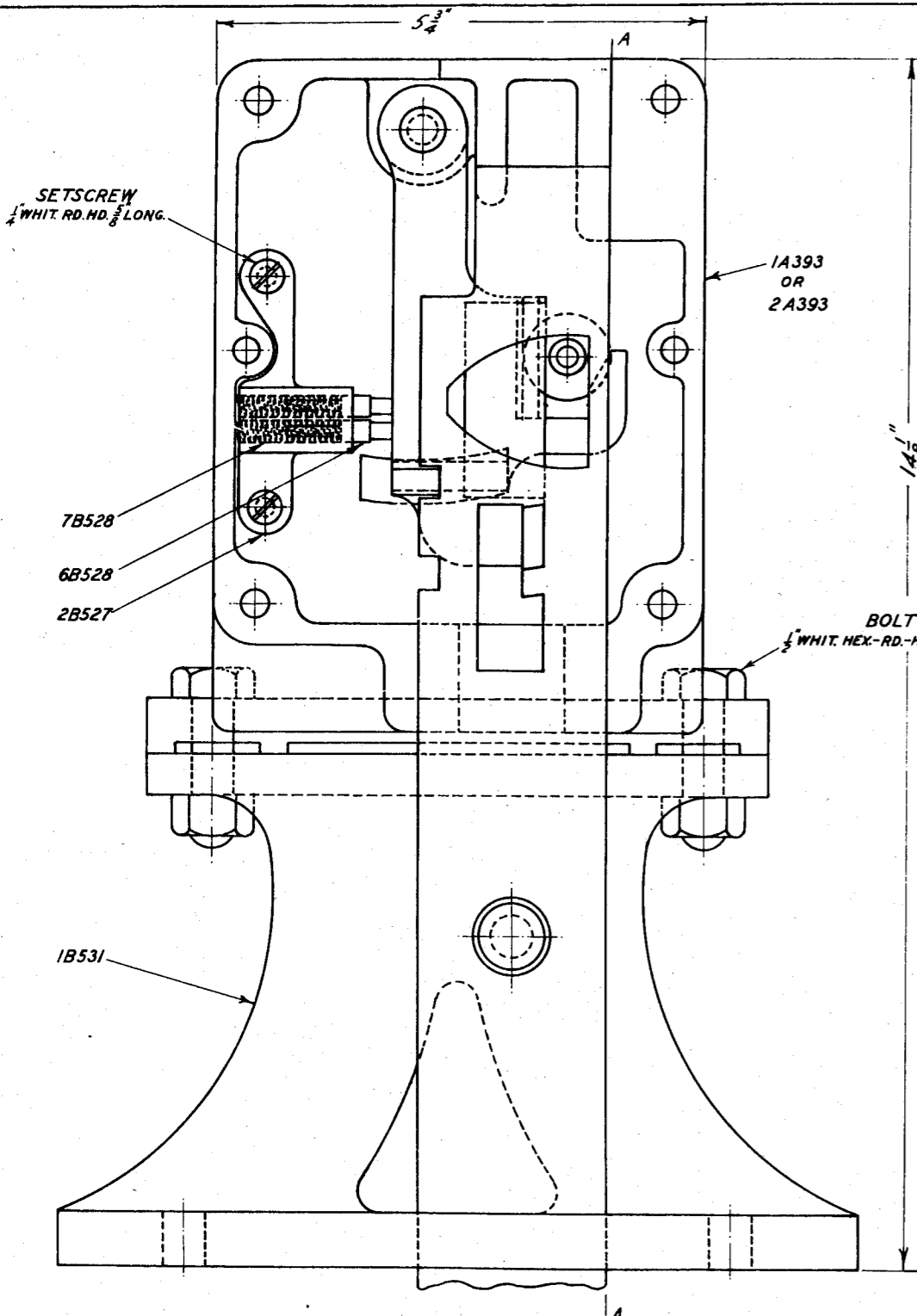


FRONT ELEVATION

<p>Vertical lift from normal to 1st notch { Set 10" hole = 4 7/8", 18" = 8 25/32"</p>	<p>Redrawn including Alterations 166, 738, &amp; 739.</p> <p>Original under same Title Dated 26-3-25</p>	<p>For Material List see Drawing A391</p>	<p>VICTORIAN RAILWAYS MECHANICAL INTERLOCKING APPARATUS TYPE "A" CAM &amp; TAPPET ASSEMBLY</p> <p>Scale: 1/2" = 1 Foot.</p>	<p>Sig. &amp; Tel. Engineer</p> <p>Drawn by E.V.H.</p> <p>Traced by E.R.J.</p>
				<p>H 333</p>

J2-3.

19-10-55



ANNETT LOCK COMPLETE D PATTERN 4H341  
 ANNETT LOCK COMPLETE C PATTERN 3H341  
 ANNETT LOCK COMPLETE B PATTERN 2H341  
 ANNETT LOCK COMPLETE A PATTERN 1H341

NO.	NAME	MAT'L.	1H341	2H341	3H341	4H341
1A393	Case	C.I.	1	1	1	—
2A393	Case	C.I.	—	—	—	1
2B527	Ward Spring Holder	Gunmetal	1	1	1	1
4B528	Cover Screw	M.S.	4	4	4	4
6B528	Ward Plunger	M.S.	2	2	2	2
7B528	Plunger Spring	Sp. Steel	2	2	2	2
14B529	Plunger	M.S.	1	—	—	—
15B529	Plunger	M.S.	—	1	—	—
20B529	Plunger	M.S.	—	—	1	—
23B529	Plunger	M.S.	—	—	—	1
1B530	Cover	C.I.	1	—	1	1
2B530	Cover	C.I.	—	1	—	—
1B531	Stand	C.I.	1	1	1	1
2B531	Top Ward	Gunmetal	1	—	—	—
4B531	Top Ward	Gunmetal	—	1	1	—
6B531	Bottom Ward	Gunmetal	1	1	1	—
2H1380	Top Ward	Gunmetal	—	—	—	1
4H1380	Bottom Ward	Gunmetal	—	—	—	1
	Setscrews 1/4 B.S.W. Rd. Hd. 3/8 long	M.S.	2	2	2	2
	Bolts 1/2 B.S.W. H.R.H. 1 1/2 long	M.S.	2	2	2	2

KEY TO BE ORDERED SEPARATELY

- A. PATTERN 10B529
- B. PATTERN 12B529
- C. PATTERN 1F5021
- D. PATTERN 3H1380

D. PATTERN-4H341  
 C. PATTERN-3H341  
 B. PATTERN-2H341  
 A. PATTERN-1H341

ANNETT LOCK FOR INTERLOCKING MACHINE

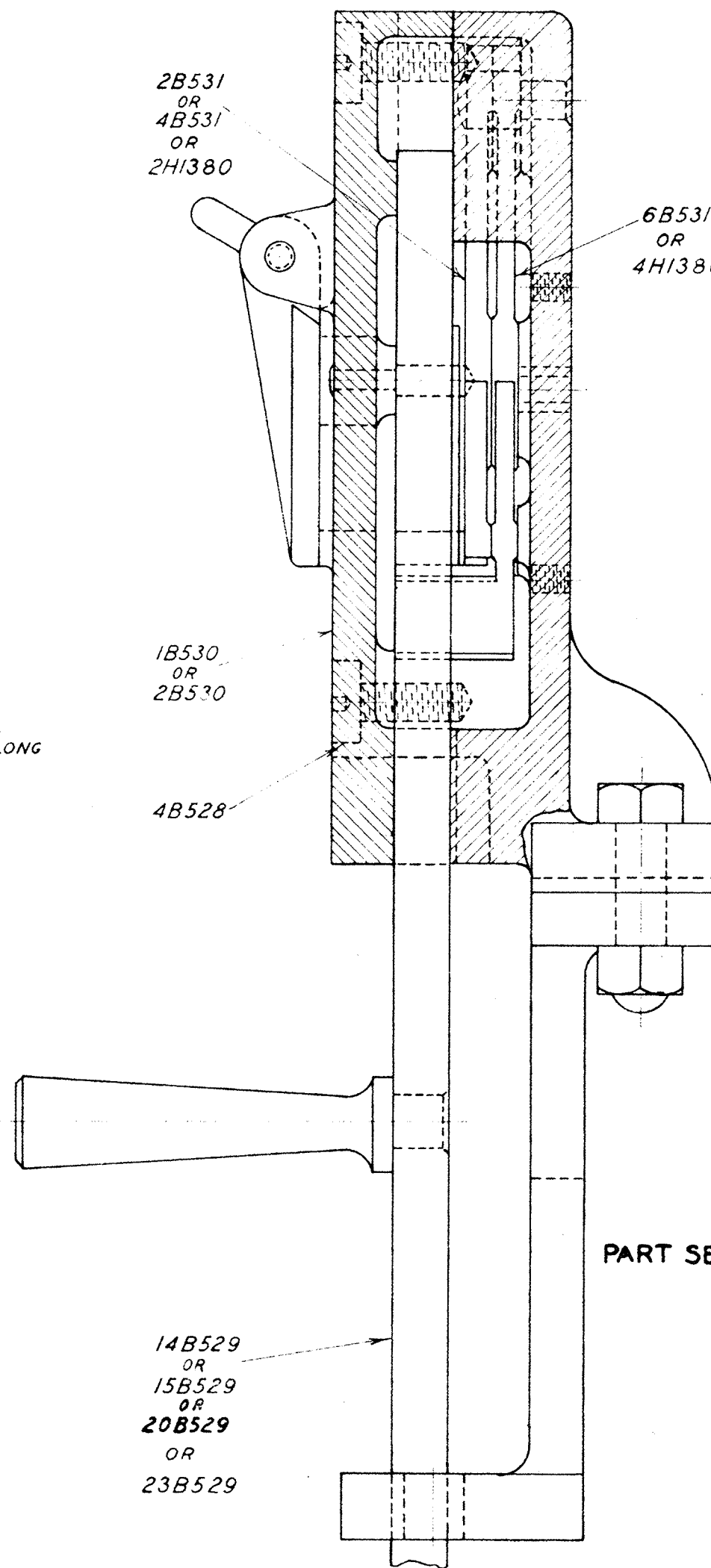
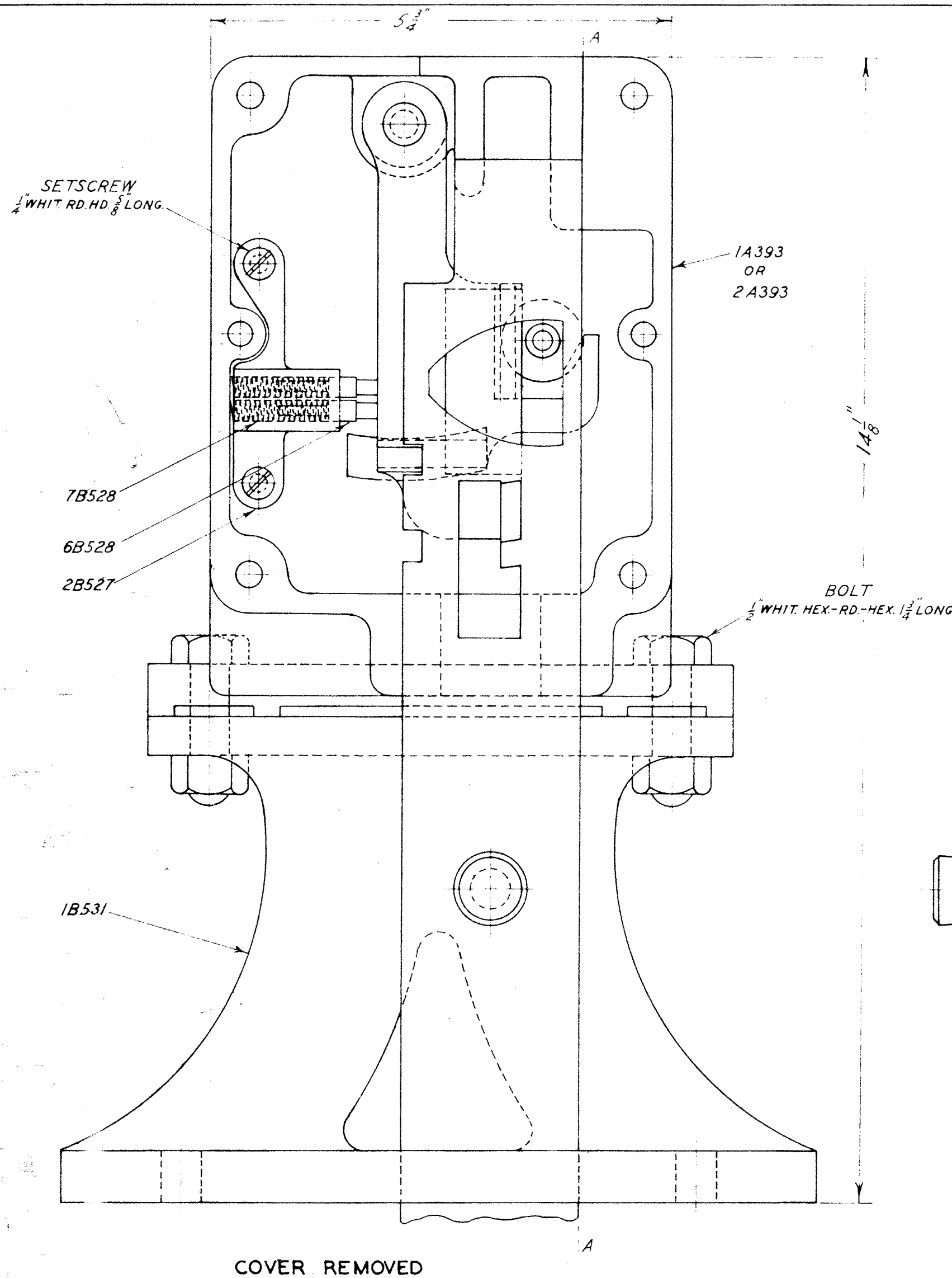
2	15-10-64	1	2A-2-64
Part No. 4H341 added.		Part No. 3H341 added.	
REDRAWN - Including Alterations 305 & 403 Original under Title 'Annett Locks - Types A & B' dated 20-2-25. Supersedes H328			

VICTORIAN RAILWAYS  
**ANNETT LOCK**  
 (FOR INTERLOCKING MACHINE)  
**ASSEMBLY**

SCALE 9/16" = 1"

22-7-47

Sig. & Tel. Engineer	Drawn by L.J.R.	Traced by L.J.R.
<b>H 341</b>		



ANNETT LOCK COMPLETE D PATTERN 4H341  
 ANNETT LOCK COMPLETE C PATTERN 3H341  
 ANNETT LOCK COMPLETE B PATTERN 2H341  
 ANNETT LOCK COMPLETE A PATTERN 1H341

NO.	NAME	MAT'L.	1H341	2H341	3H341	4H341
1A393	Case	C.I.	1	1	1	—
2A393	Case	C.I.	—	—	—	1
2B527	Ward Spring Holder	Gunmetal	1	1	1	1
4B528	Cover Screw	M.S.	4	4	4	4
6B528	Ward Plunger	M.S.	2	2	2	2
7B528	Plunger Spring	Sp. Steel	2	2	2	2
14B529	Plunger	M.S.	1	—	—	—
15B529	Plunger	M.S.	—	1	—	—
20B529	Plunger	M.S.	—	—	1	—
23B529	Plunger	M.S.	—	—	—	1
1B530	Cover	C.I.	1	—	1	1
2B530	Cover	C.I.	—	1	—	—
1B531	Stand	C.I.	1	1	1	1
2B531	Top Ward	Gunmetal	1	—	—	—
4B531	Top Ward	Gunmetal	—	1	1	—
6B531	Bottom Ward	Gunmetal	1	1	1	—
2H1380	Top Ward	Gunmetal	—	—	—	1
4H1380	Bottom Ward	Gunmetal	—	—	—	1
	Setscrews 1/2" B.S.W. Rd Hd 5/8" long	M.S.	2	2	2	2
	Bolt 1/2" B.S.W. H.R.H. 1 1/4" long	M.S.	2	2	2	2

KEY TO BE ORDERED SEPARATELY

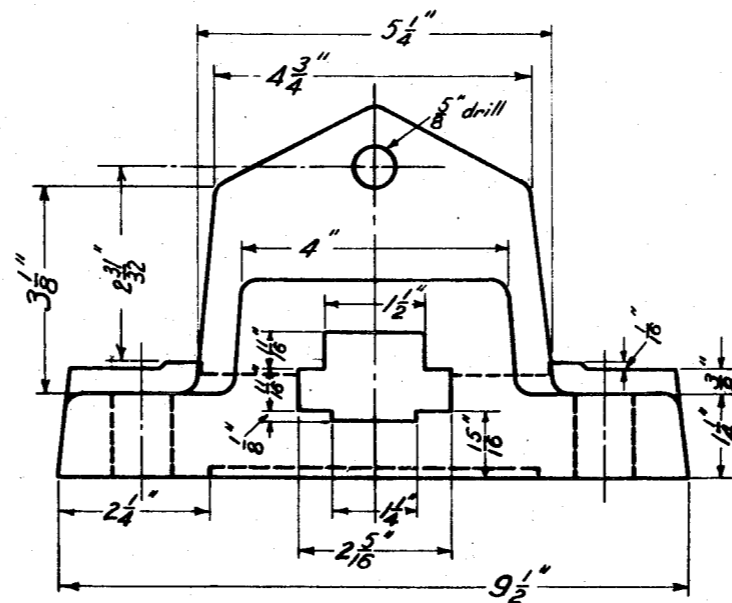
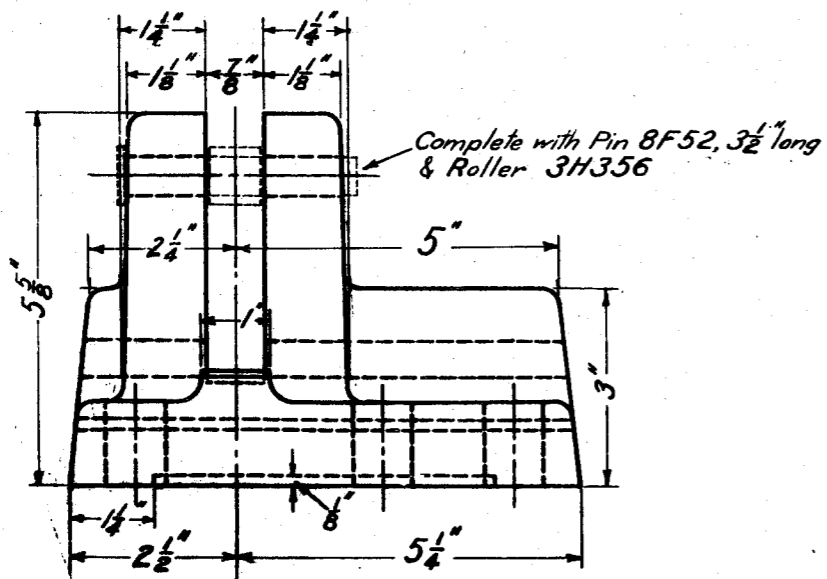
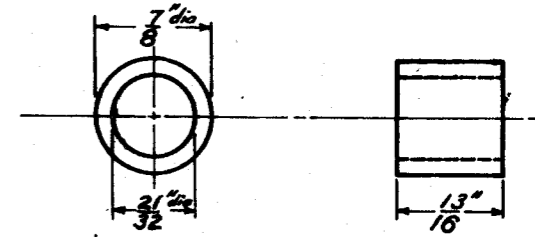
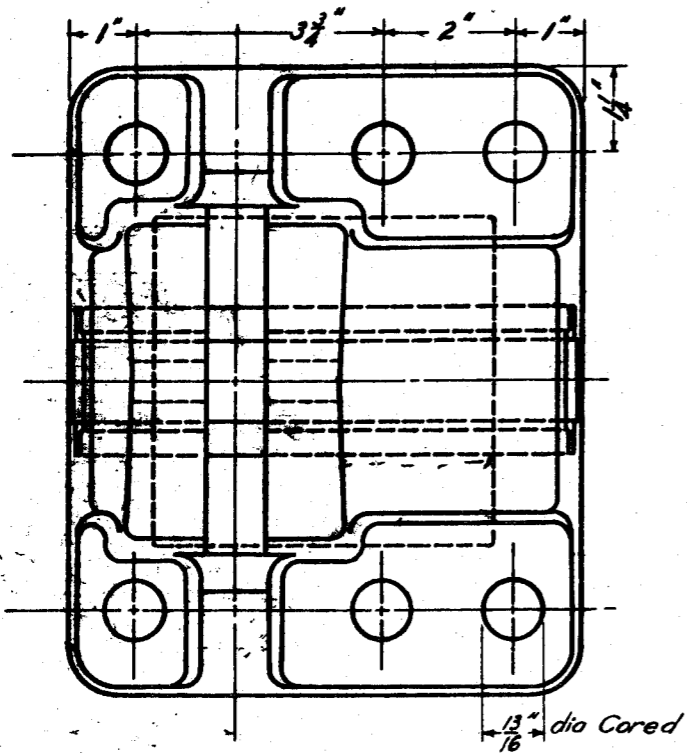
- A. PATTERN 10B529
- B. PATTERN 12B529
- C. PATTERN 1F5021
- D. PATTERN 3H1380

ANNETT LOCK FOR INTERLOCKING MACHINE

<p>15-10-64</p> <p>Part No 4H341 added.</p>	<p>24-2-64</p> <p>Part No 3H341 added.</p>	<p>REDRAWN - Including Alterations 305 &amp; 403 Original under Title Annett Locks - Types A &amp; B dated 20-2-25. Supersedes H328</p>	<p>VICTORIAN RAILWAYS</p> <p><b>ANNETT LOCK</b> (FOR INTERLOCKING MACHINE)</p> <p><b>ASSEMBLY</b></p> <p>SCALE 9/16"</p>	<p>Sig. &amp; Tel Engineer</p> <p>Drawn by L.J.P.</p> <p>Traced by L.J.P.</p>	<p><b>H 341</b></p>
<p>D. PATTERN-4H341 C. PATTERN-3H341 B. PATTERN-2H341 A. PATTERN-1H341</p>			<p>22-7-47</p>		

R3219  
7-2-4

← 2 1/2" diameter IMP. ... 91



24-3-25. M.S. ROLLER. 3H356

9-5-38/Alt. 381  
24-3-25

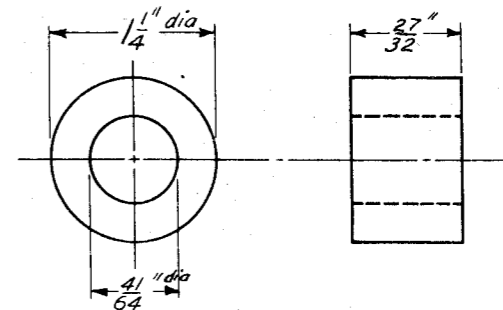
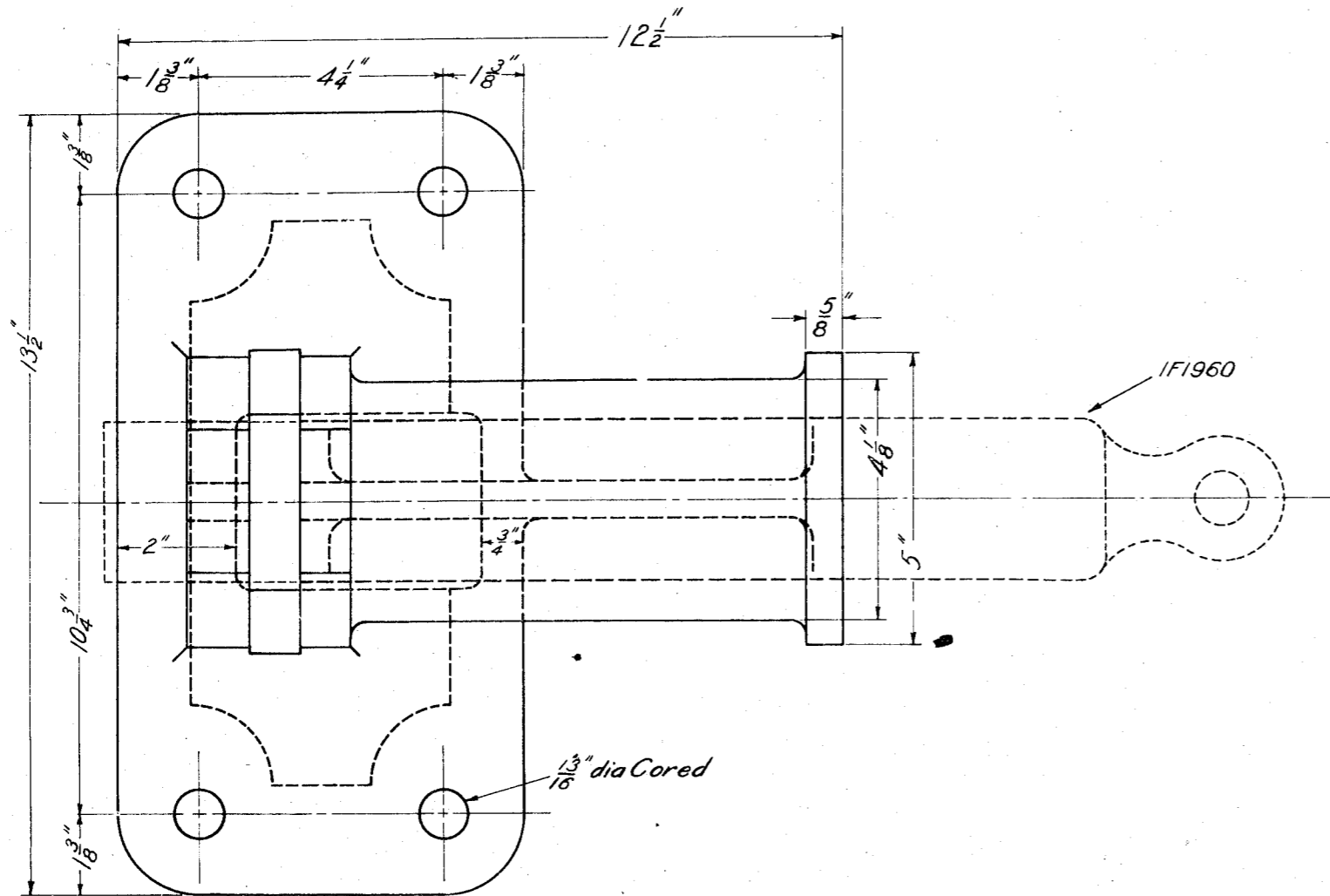
C.I. BOX

Box with Pin & Roller — 2H356  
Box only — 1H356

J-2-4

This Drawing  
is  
the  
property  
of  
the  
Company  
and  
is  
not  
to  
be  
reproduced  
without  
written  
permission  
of  
the  
Company

VICTORIAN RAILWAYS  
PLUNGER BOX  
FOR ...



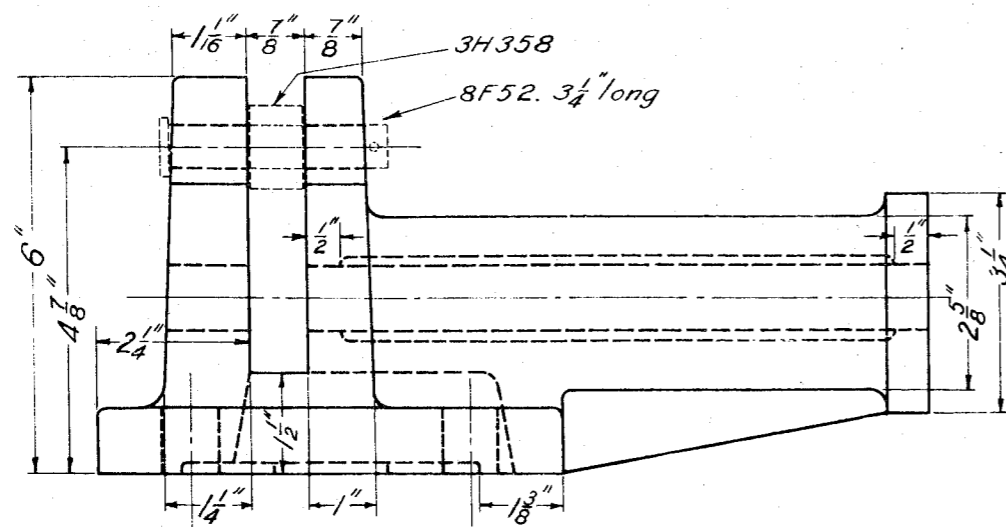
7-5-25.

M. S.  
ROLLER

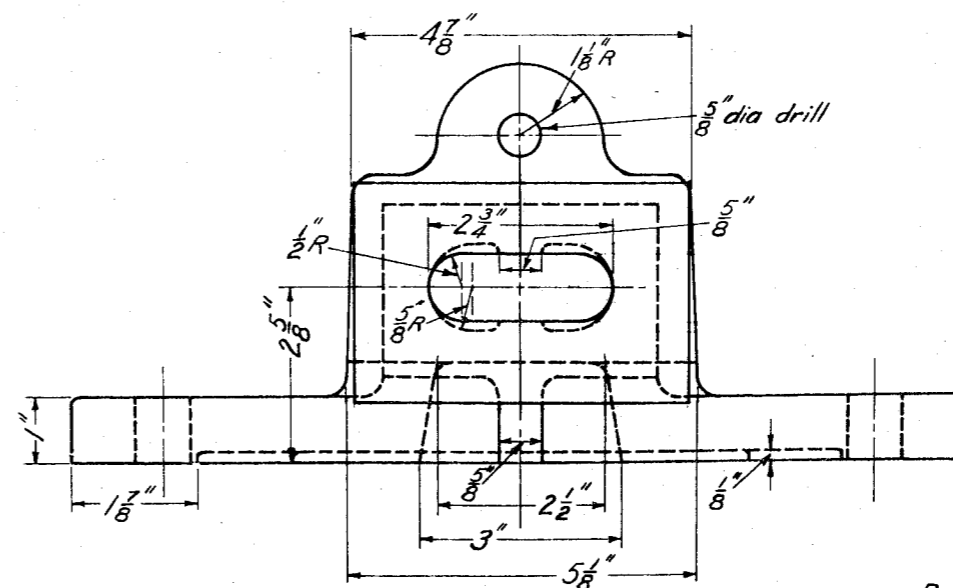
3H358

Plunger Box Complete  
2H358

N <sup>o</sup>	Name	Quantity
1H358	Box	1
3H358	Roller	1
1F1960	Plunger	1
8F52	Pin	1



C.I.  
PLUNGER BOX



Box Complete 2H358  
Box Only 1H358

**H358**

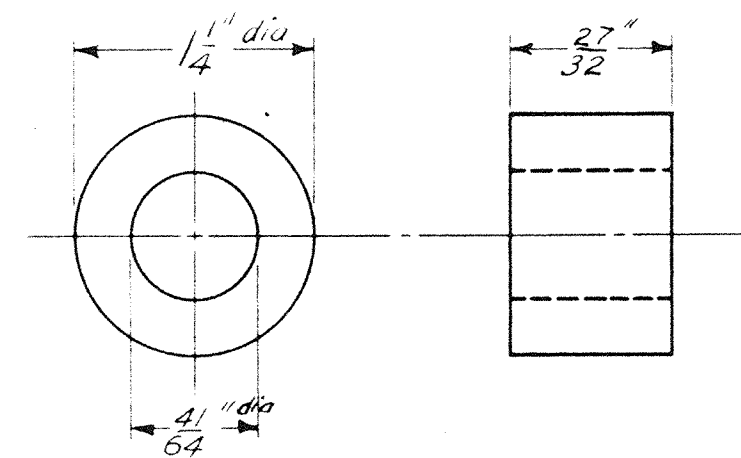
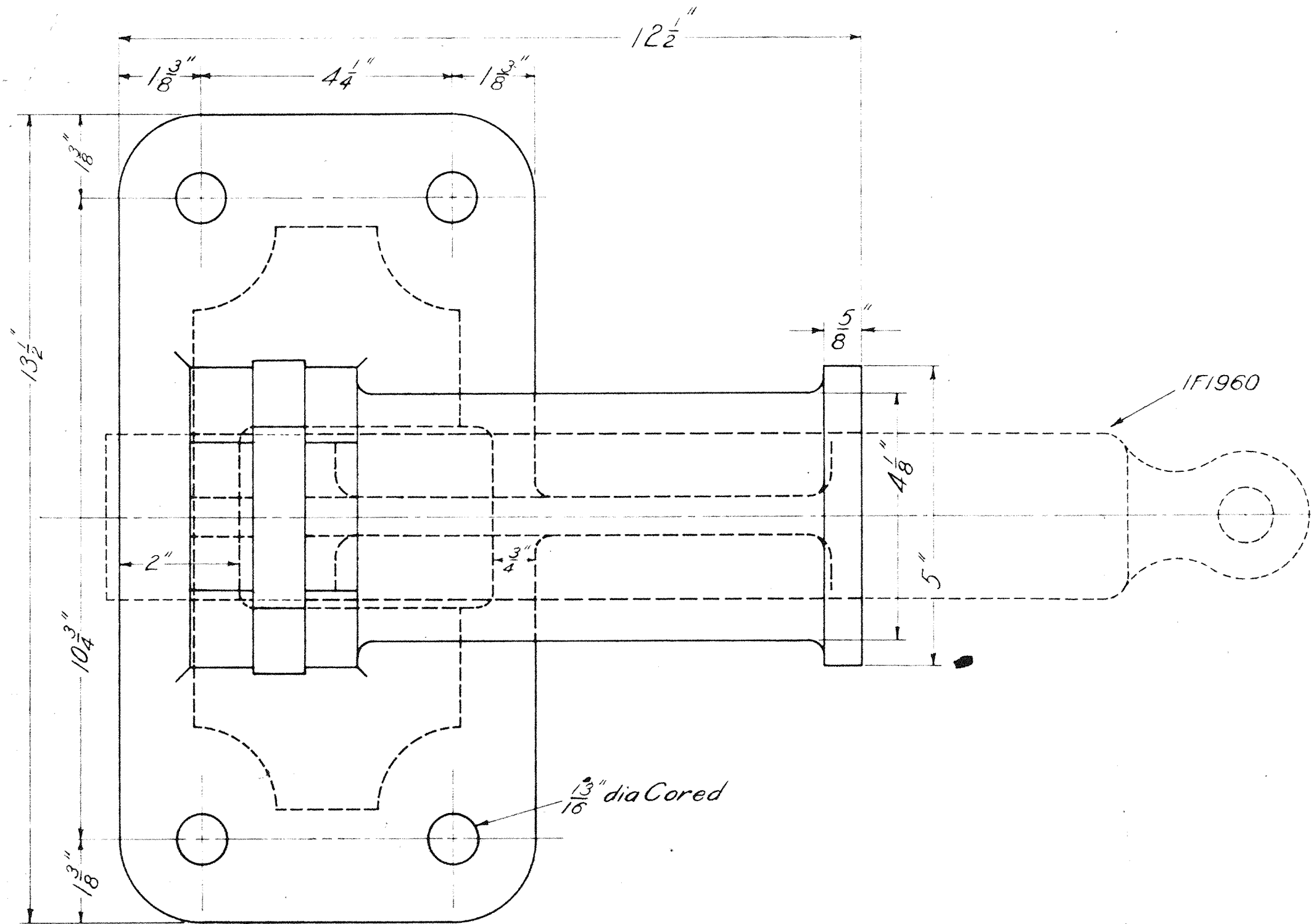
VICTORIAN RAILWAYS  
PLUNGER BOX  
FOR FLAT PLUNGER  
Details

7-5-25

**H358**

1797-25

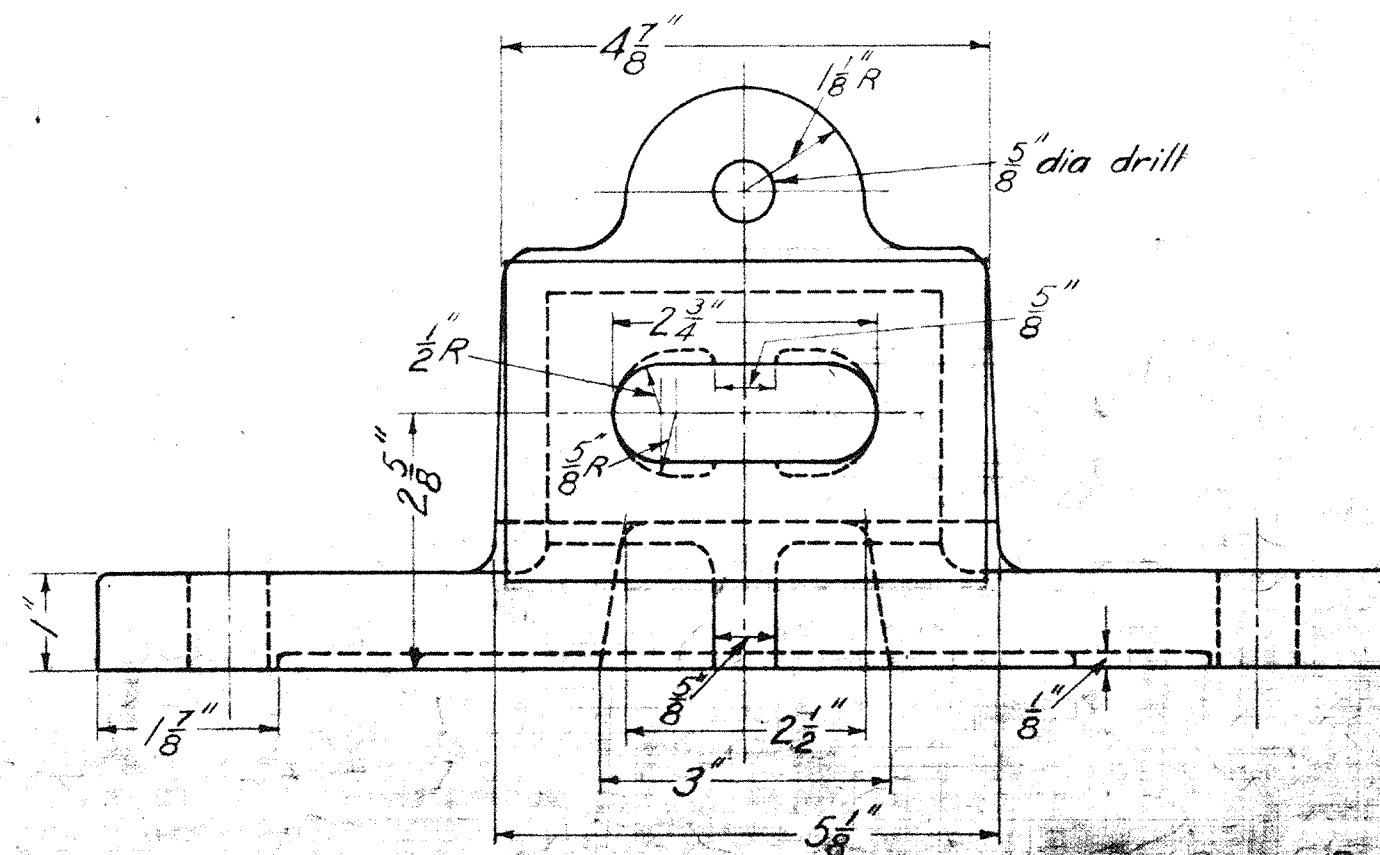
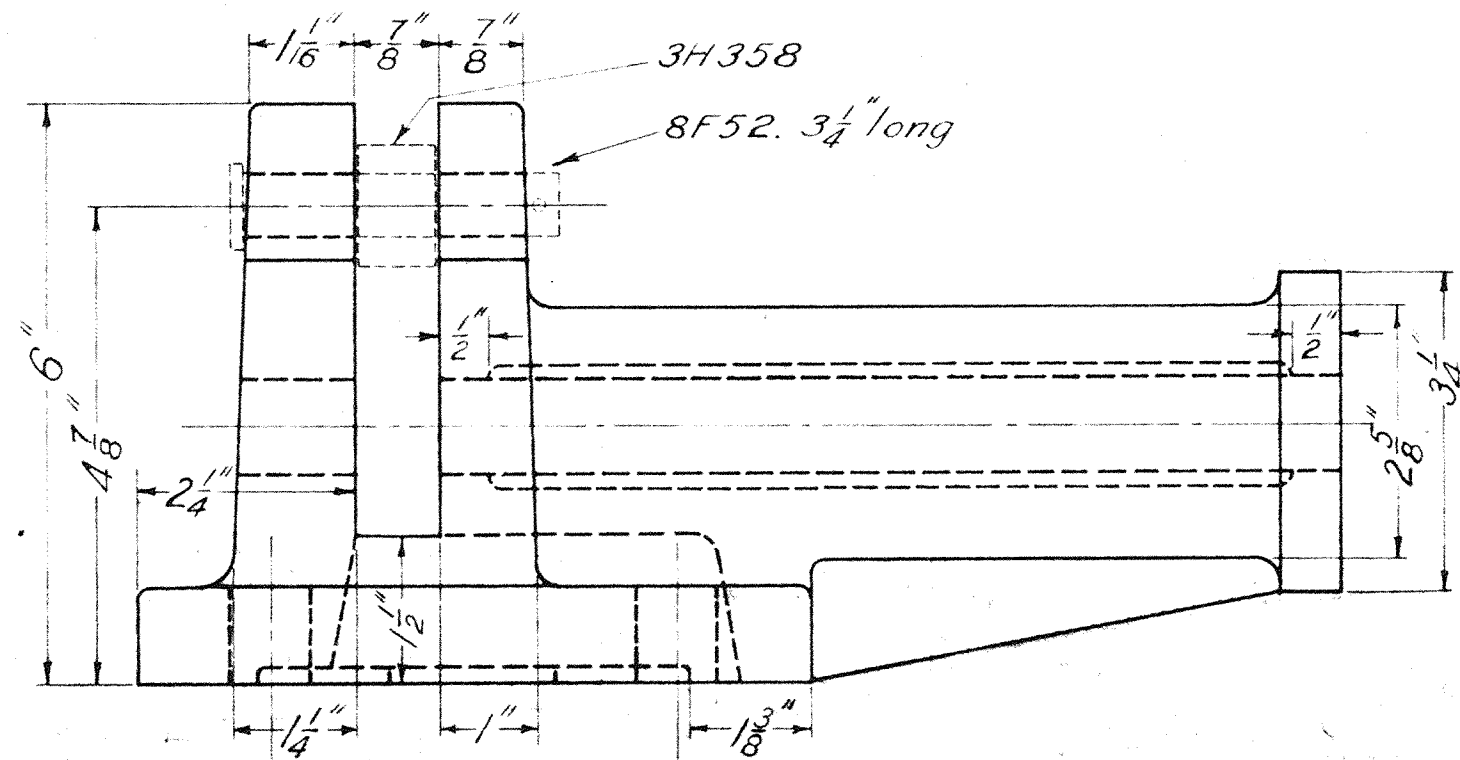
J.2.  
R 3235  
7-5-25.



7-5-25. M. S. ROLLER 3H358

Plunger Box Complete  
2H358

N <sup>o</sup>	Name	Quantity
1H358	Box	1
3H358	Roller	1
1F1960	Plunger	1
8F52	Pin	1



C.I.  
PLUNGER BOX

Box Complete 2H358  
Box Only 1H358

VICTORIAN RAILWAYS  
PLUNGER BOX  
FOR FLAT PLUNGER

Details

7-5-25

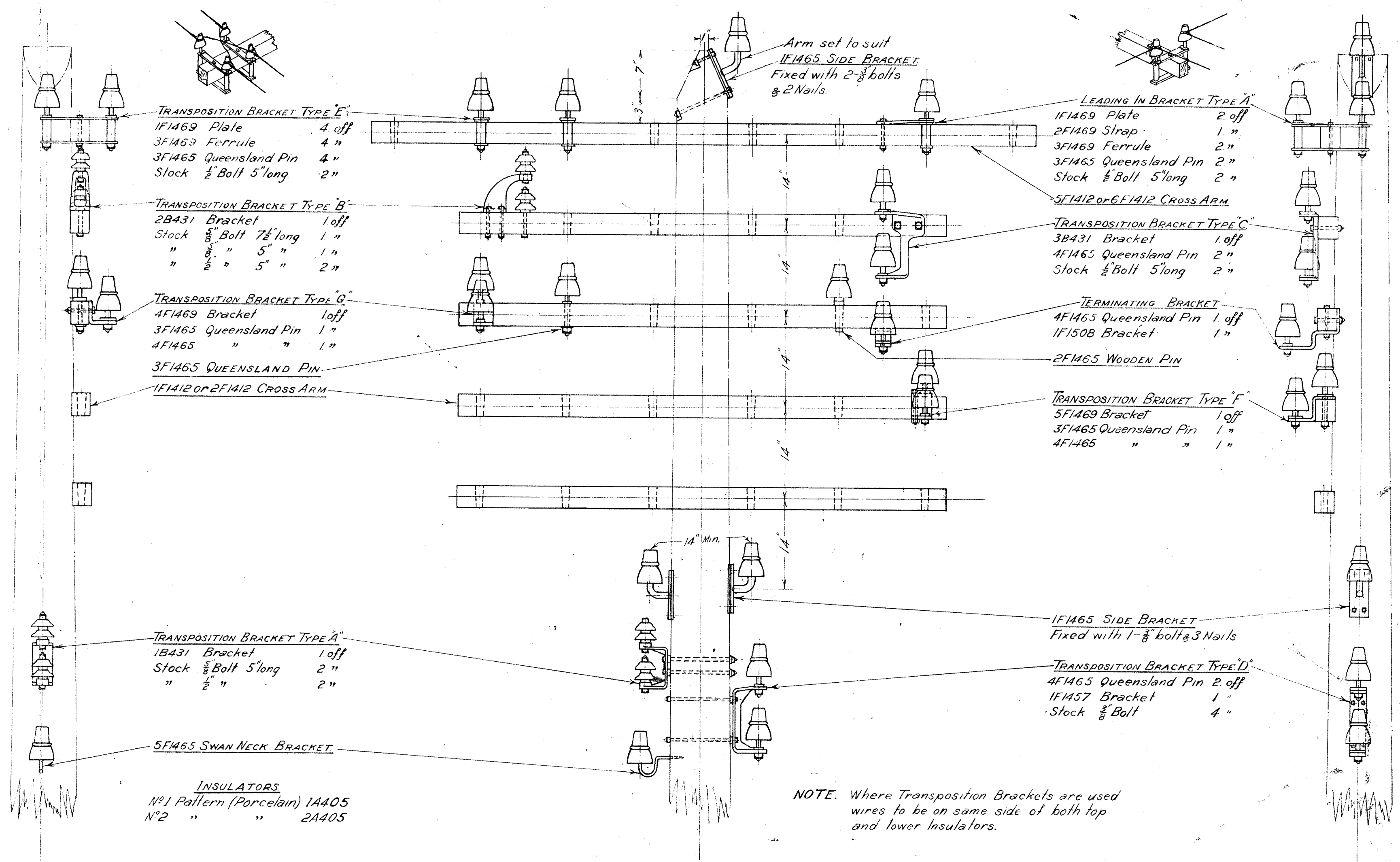
Chief Eng  
Sigs & Tels

Drawn by  
E.A.

Traced by  
E.A.

H358

3235  
7-5-25



- TRANSPOSITION BRACKET TYPE E**
- 1F1469 Plate 4 off
  - 3F1469 Ferrule 4 "
  - 3F1465 Queensland Pin 4 "
  - Stock 1/2" Bolt 5" long 2 "

- TRANSPOSITION BRACKET TYPE B**
- 2B431 Bracket 1 off
  - Stock 5/8" Bolt 7 1/2" long 1 "
  - " 3/4" " 5" " 1 "
  - " 1/2" " 5" " 2 "

- TRANSPOSITION BRACKET TYPE G**
- 4F1469 Bracket 1 off
  - 3F1465 Queensland Pin 1 "
  - 4F1465 " " 1 "

- 3F1465 QUEENSLAND PIN**

- 1F1412 or 2F1412 CROSS ARM**

- LEADING IN BRACKET TYPE A**
- 1F1469 Plate 2 off
  - 2F1469 Strap 1 "
  - 3F1469 Ferrule 2 "
  - 3F1465 Queensland Pin 2 "
  - Stock 1/2" Bolt 5" long 2 "
  - 5F1412 or 6F1412 CROSS ARM

- TRANSPOSITION BRACKET TYPE C**
- 3B431 Bracket 1 off
  - 4F1465 Queensland Pin 2 "
  - Stock 1/2" Bolt 5" long 2 "

- TERMINATING BRACKET**
- 4F1465 Queensland Pin 1 off
  - 1F1508 Bracket 1 "
  - 2F1465 WOODEN PIN

- TRANSPOSITION BRACKET TYPE F**
- 5F1469 Bracket 1 off
  - 3F1465 Queensland Pin 1 "
  - 4F1465 " " 1 "

- TRANSPOSITION BRACKET TYPE A**
- 1B431 Bracket 1 off
  - Stock 5/8" Bolt 5" long 2 "
  - " 1/2" " 2 "

- IF1465 SIDE BRACKET**
- Fixed with 1-3/8" bolt & 3 Nails

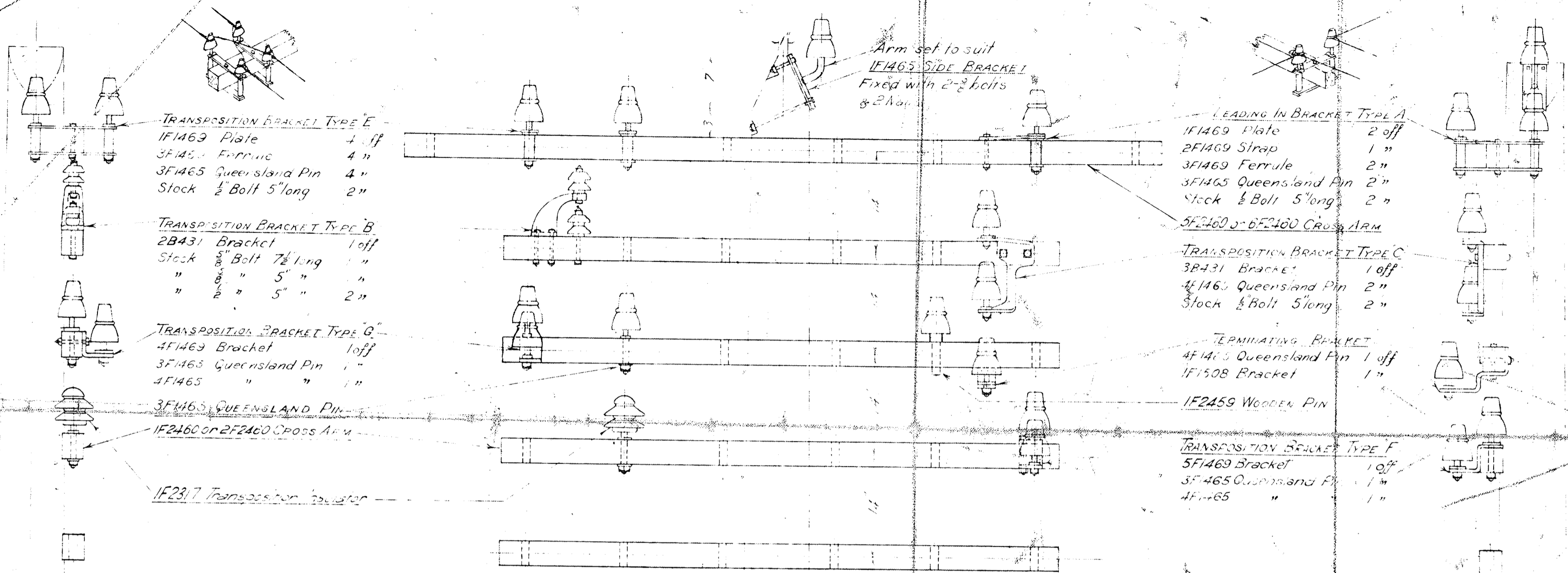
- TRANSPOSITION BRACKET TYPE D**
- 4F1465 Queensland Pin 2 off
  - 1F1457 Bracket 1 "
  - Stock 3/8" Bolt 4 "

- 5F1465 SWAN NECK BRACKET**

- INSULATORS**
- Nº1 Pattern (Porcelain) 1A405
  - Nº2 " " 2A405

**NOTE.** Where Transposition Brackets are used wires to be on same side of both top and lower Insulators.

11-4-27	5-5-25	<b>VICTORIAN RAILWAYS</b> <b>TELEGRAPH LINE FITTINGS</b> <b>ASSEMBLY</b> (shown on Wedge Topped Timber Pole)		Chief Eng	Drawn by	Traced by
Transposition Brackets Types F & G Revised.	This Drawing Supersedes Drawings F1463 & F1816.			Sigs & Teis	LJP	LJP
				<b>H359</b>		



TRANSPOSITION BRACKET TYPE E  
 1F1469 Plate 1 off  
 3F1465 Queensland Pin 4 "  
 Stock 1/2 Bolt 5" long 2 "

TRANSPOSITION BRACKET TYPE B  
 2B431 Bracket 1 off  
 Stock 5/8 Bolt 7 1/2 long 1 "  
 " 5/8 " 5 " " "  
 " 1/2 " 5 " " 2 "

TRANSPOSITION BRACKET TYPE G  
 4F1469 Bracket 1 off  
 3F1465 Queensland Pin 1 "  
 4F1465 " " 1 "

3F1465 QUEENSLAND PIN  
 1F2460 or 2F2460 CROSS ARM

1F2317 Transposition Insulator

TRANSPOSITION BRACKET TYPE A  
 1B431 Bracket 1 off  
 Stock 5/8 Bolt 5" long 2 "  
 " 1/2 " " 2 "

5F1461 SWAN NECK BRACKET

INSULATORS  
 1 1/2 Pattern (Porcelain) 1A405  
 1 1/2 " " 2A405

Arm set to suit  
 1F1465 SIDE BRACKET  
 Fixed with 2 3/8 bolts  
 & 2 Nails

LEADING IN BRACKET TYPE A  
 1F1469 Plate 2 off  
 2F1469 Strap 1 "  
 3F1469 Ferrule 2 "  
 3F1465 Queensland Pin 2 "  
 Stock 1/2 Bolt 5" long 2 "  
 5F2460 or 6F2460 CROSS ARM

TRANSPOSITION BRACKET TYPE C  
 3B431 Bracket 1 off  
 4F1465 Queensland Pin 2 "  
 Stock 1/2 Bolt 5" long 2 "

TERMINATING BRACKET  
 4F1465 Queensland Pin 1 off  
 1F1508 Bracket 1 "  
 1F2459 WOODEN PIN

TRANSPOSITION BRACKET TYPE F  
 5F1469 Bracket 1 off  
 3F1465 Queensland Pin 1 "  
 4F1465 " " 1 "

1F1465 SILL BRACKET  
 Fixed with 1 3/8 bolts & 3 Nails

TRANSPOSITION BRACKET TYPE D  
 4F1465 Queensland Pin 2 off  
 1F1457 Bracket 1  
 Stock 3/8 Bolt 4 "

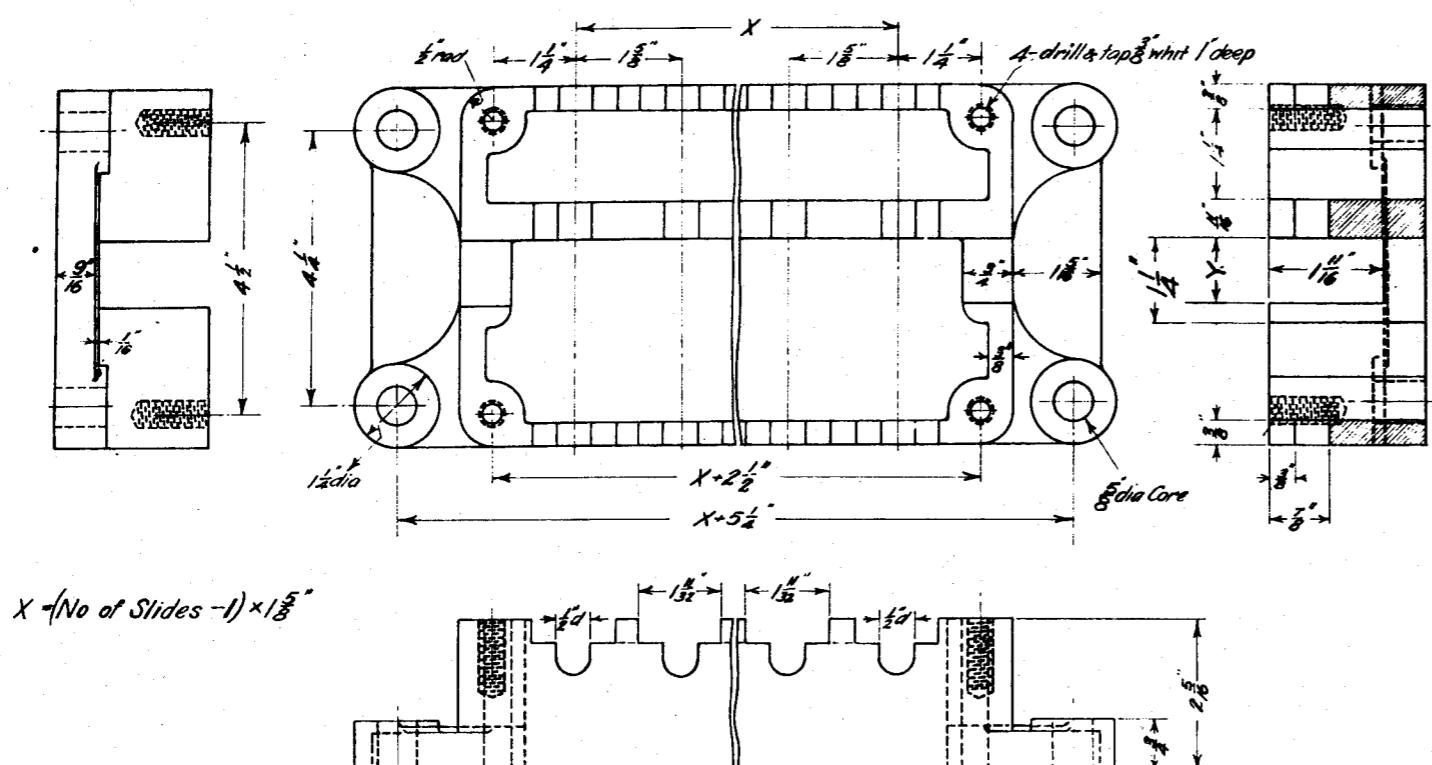
NOTE: Where transposition brackets are used, wires to be on same side of both top and bottom insulators.

Alter 2/11/11	Transposition bracket No. F231 added	Transposition bracket types Fg 3 Revised.	This Drawing Supersedes Drawing F.453 of 1/18/16	VICTORIAN RAILWAYS TELEGRAPH LINE FITTINGS ASSEMBLY (shown on Wedge Topped Timber Pole)	Drawn by LJP	Checked by LJP

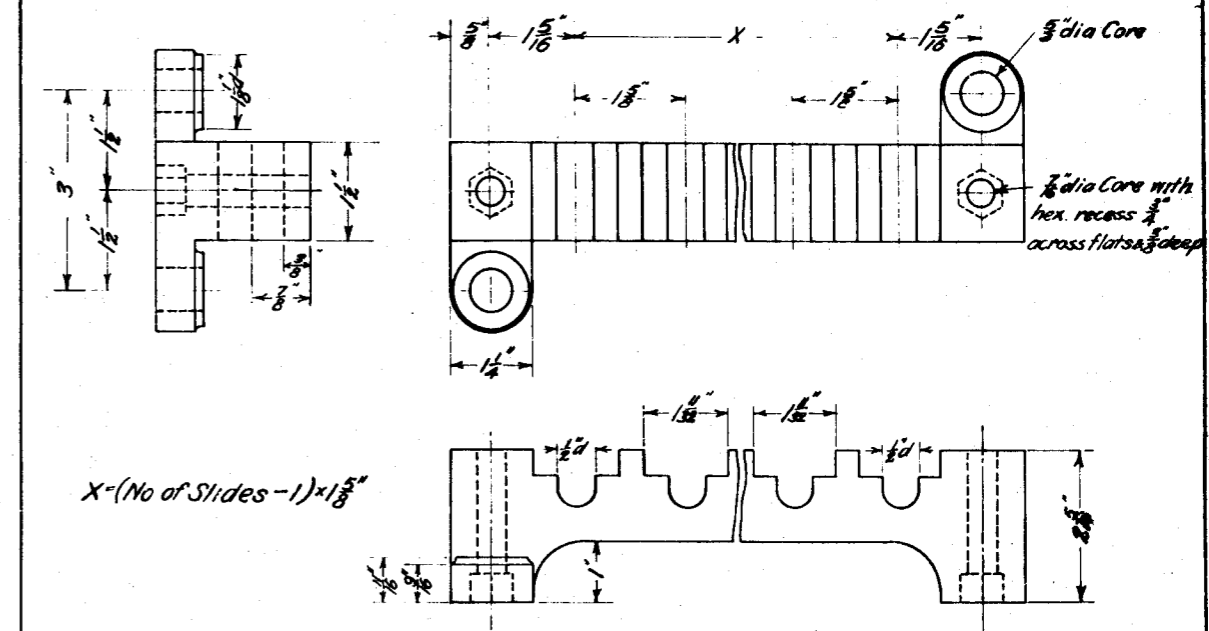
H359



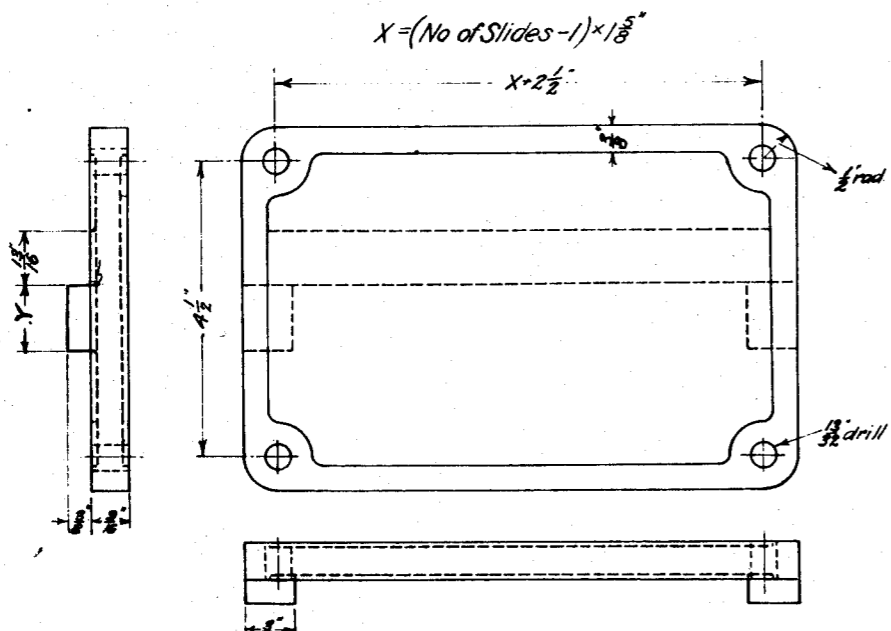
← 21/11/21 211 7WP 137



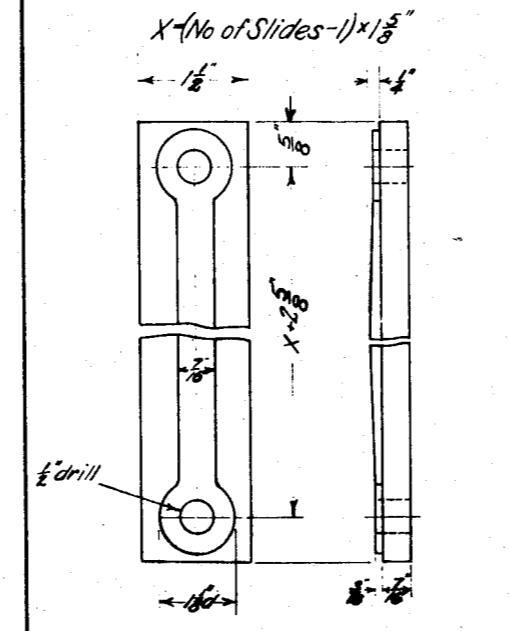
C.I. Slide Detector Box For 3 Blades  $Y = \frac{1}{16}$  } IH361  
 " 2 "  $Y = \frac{3}{8}$  }



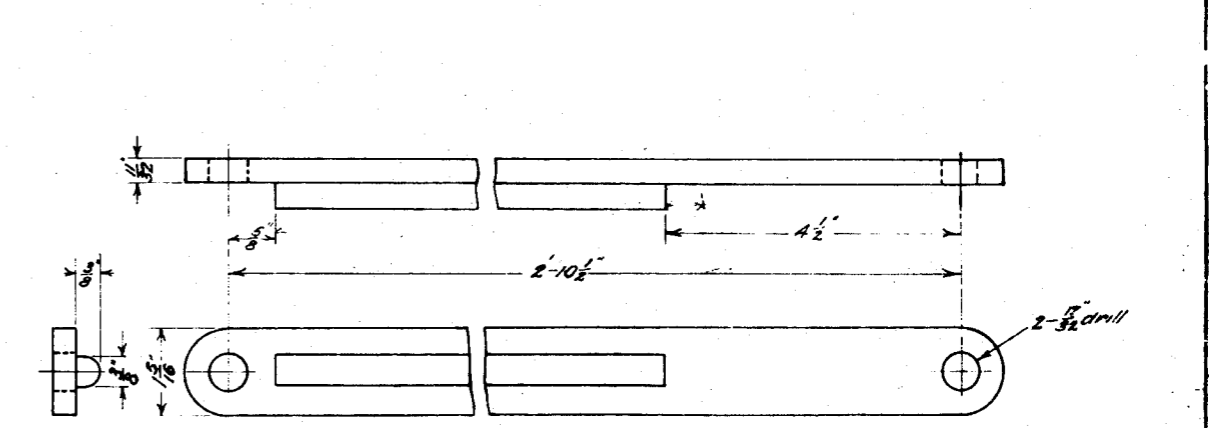
C.I. Slide Guide 2H361



C.I. Detector Box Cover 2 " 3 Blades  $Y = \frac{1}{16}$  } 3H361  
 " "  $Y = \frac{3}{8}$  }



C.I. Guide Cover 4H361

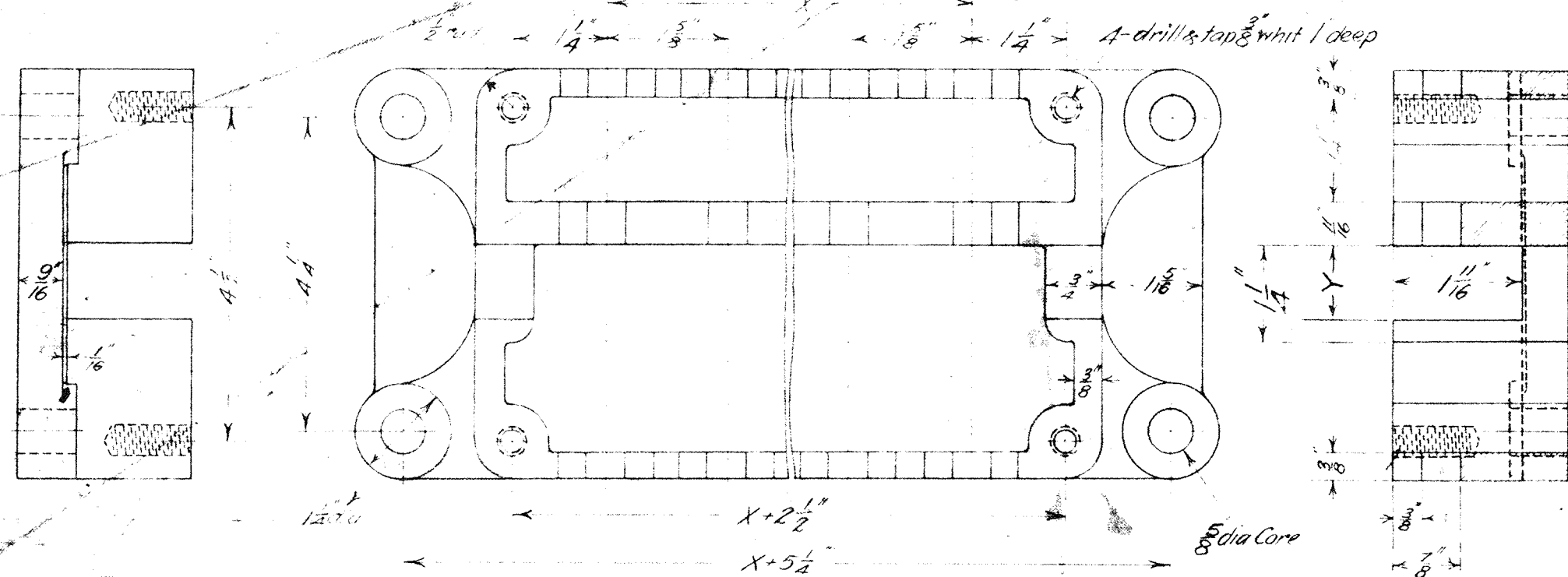


M.S. Slide 5H361

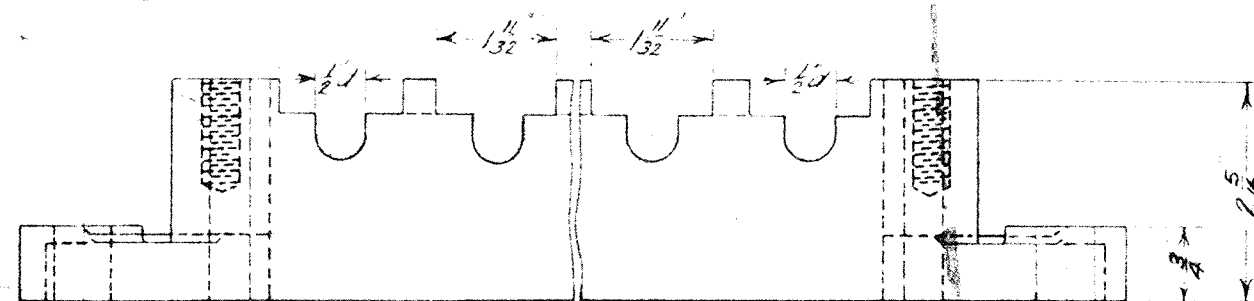
RECORD PLAN  
 R 3288  
 NEWCASTLE  
 11/11/21  
 J2-4

VICTORIAN RAILWAYS  
 SLIDE DETECTOR  
 DETAILS  
 TYPE 'B'

Drawn by GMS  
 Checked by GMS  
 11/11/21

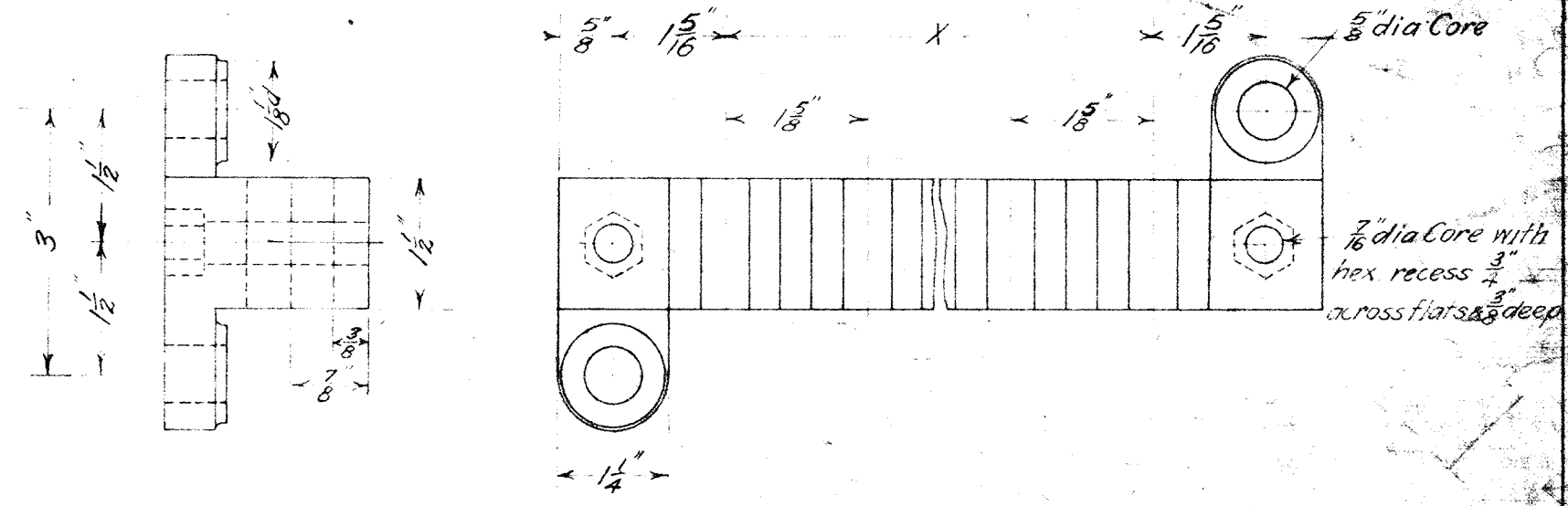


$$X = (\text{No of Slides} - 1) \times 1\frac{5}{8}$$

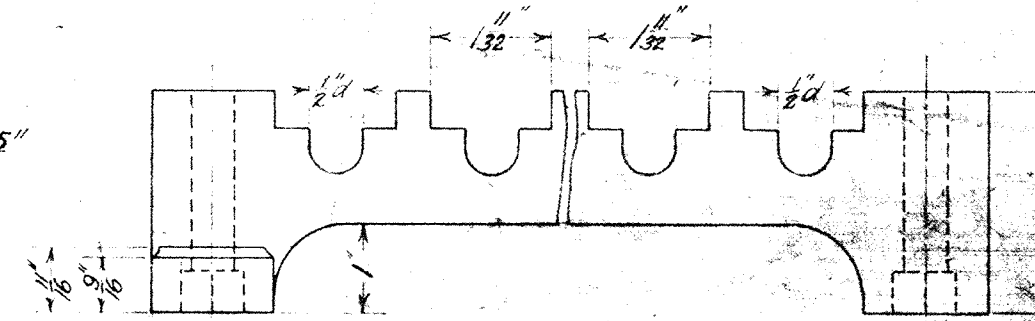


C.I.  
Slide Detector Box

For 3 Blades  $Y = 1\frac{1}{16}$ "  
" 2 "  $Y = \frac{11}{16}$ " } IH361

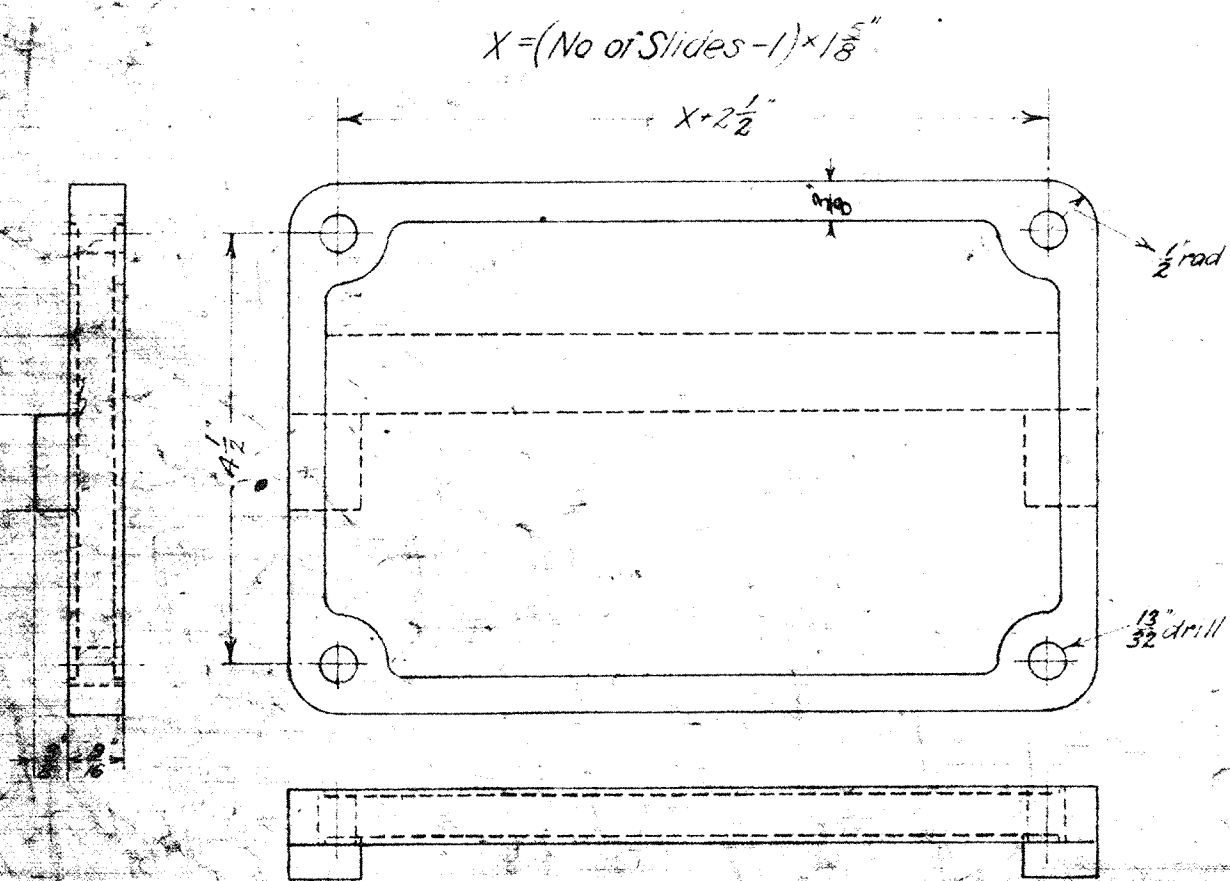


$$X = (\text{No of Slides} - 1) \times 1\frac{5}{8}$$

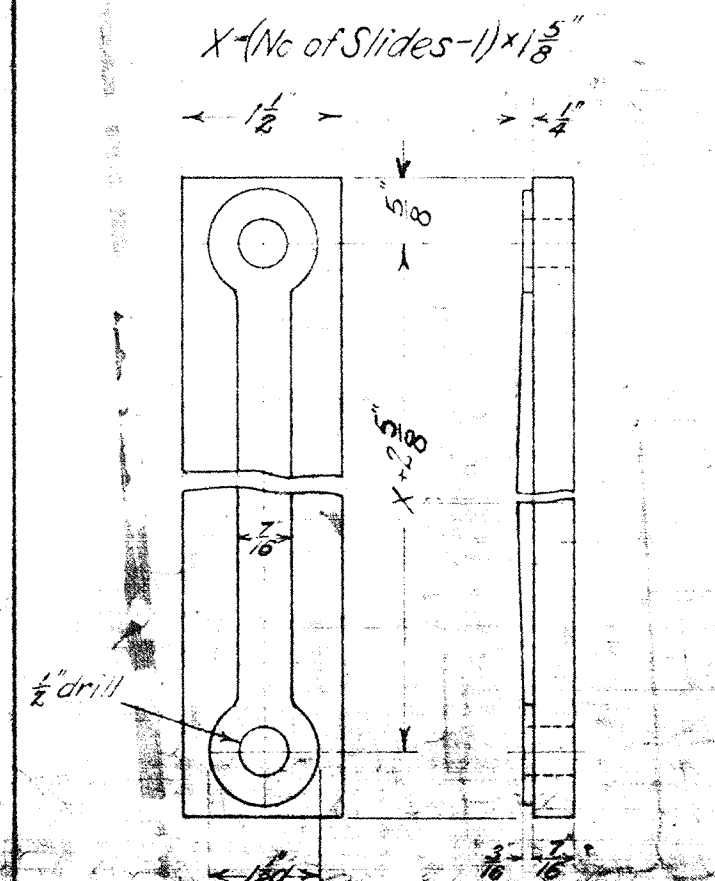


C.I.  
Slide Guide

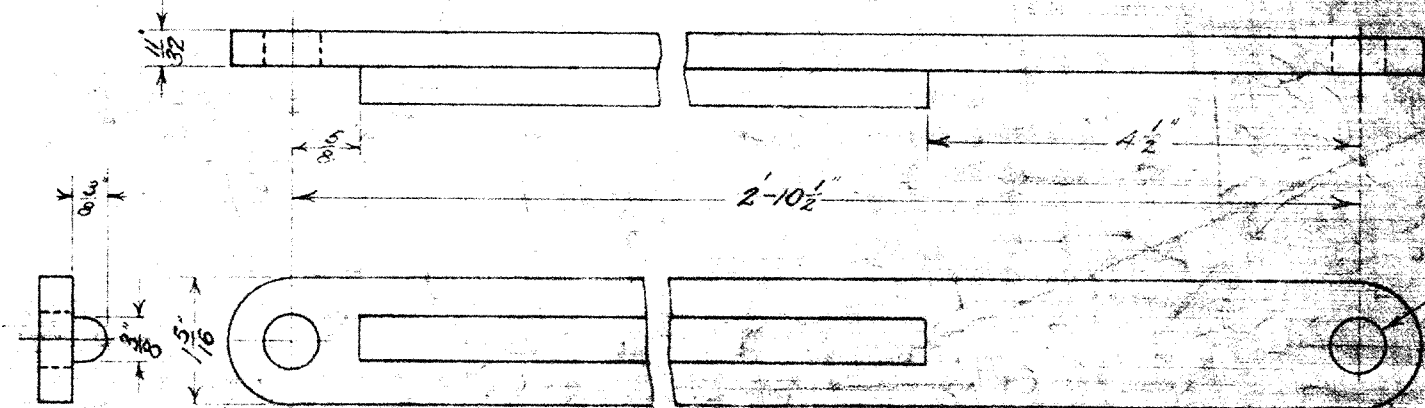
2H361



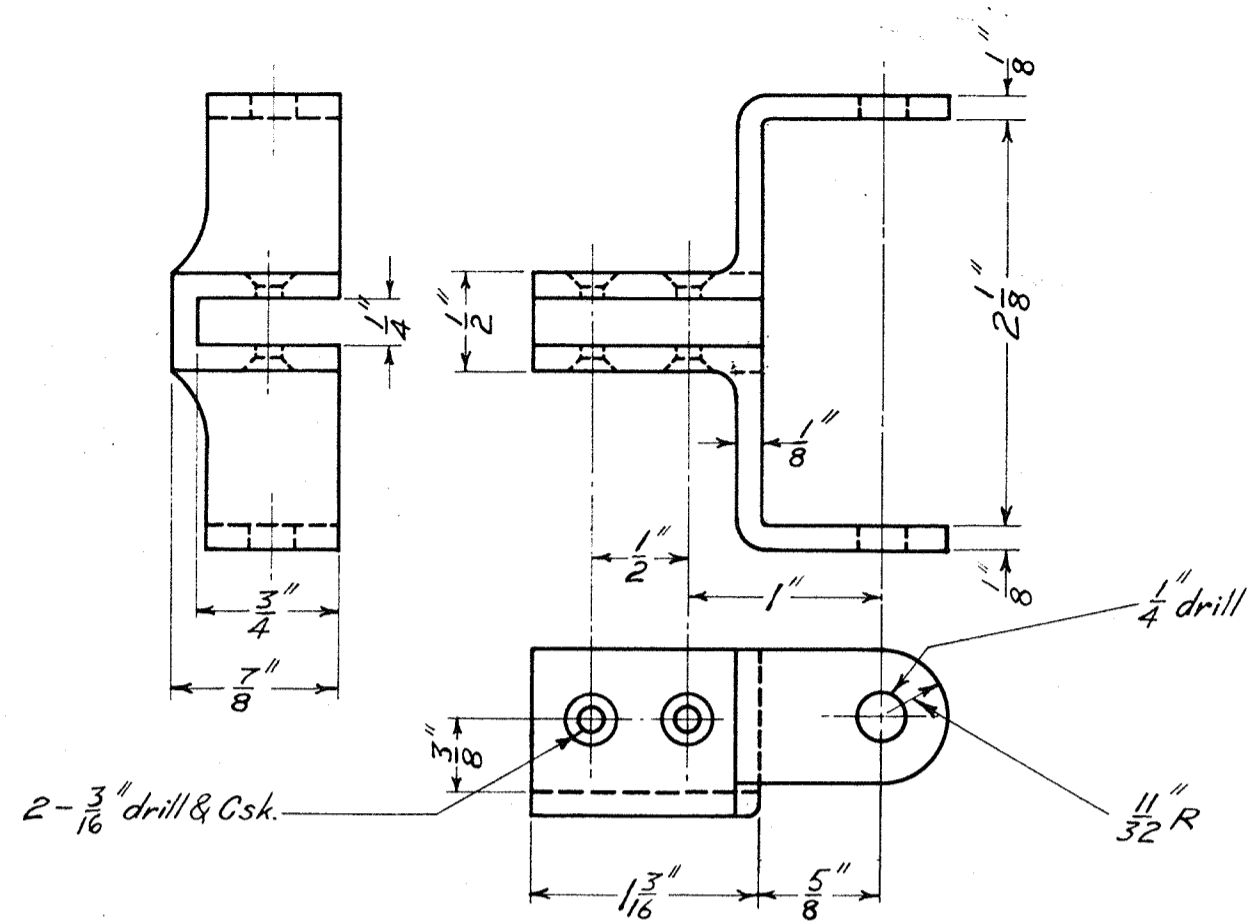
C.I.  
Detector Box Cover 3Blades  $Y = 1\frac{1}{16}$ " } 3H361



C.I.  
Guide Cover 3Blades  $Y = 1\frac{1}{16}$ " } 4H361



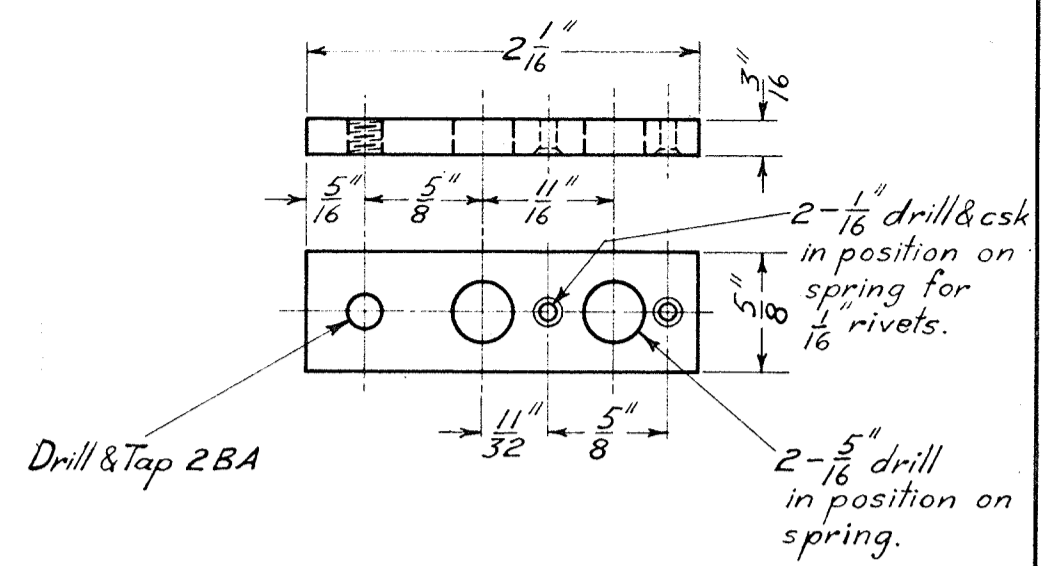
M.S.  
Slide



Brass  
ROLLER BRACKET

1H366

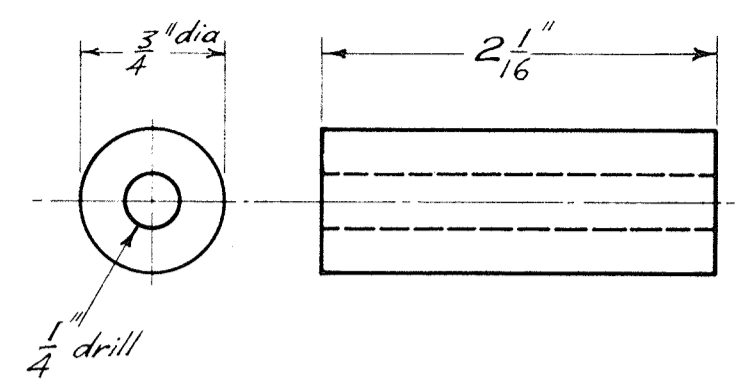
7-9-25



Brass  
TERMINAL STRIP

4H366

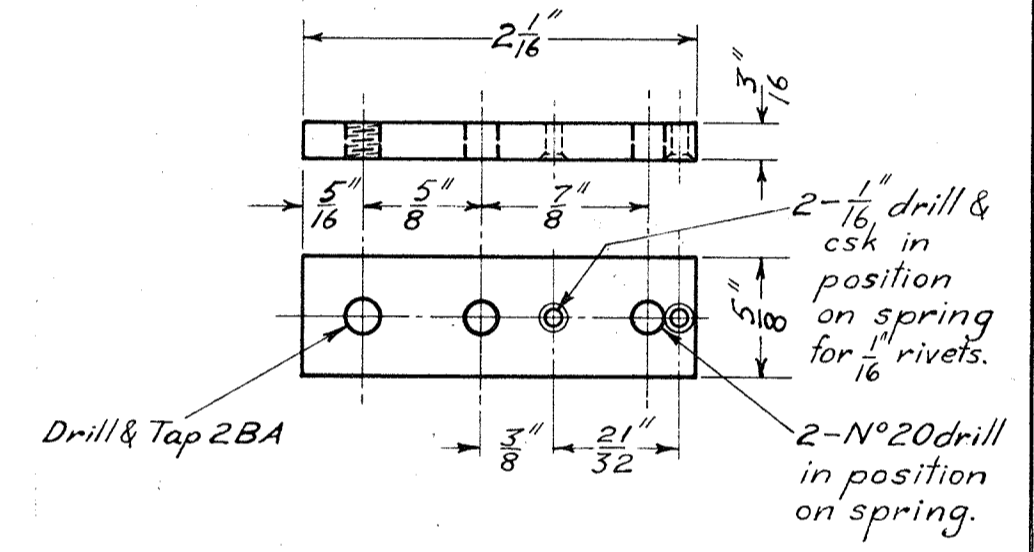
7-9-25



Ebonite  
ROLLER

7H366

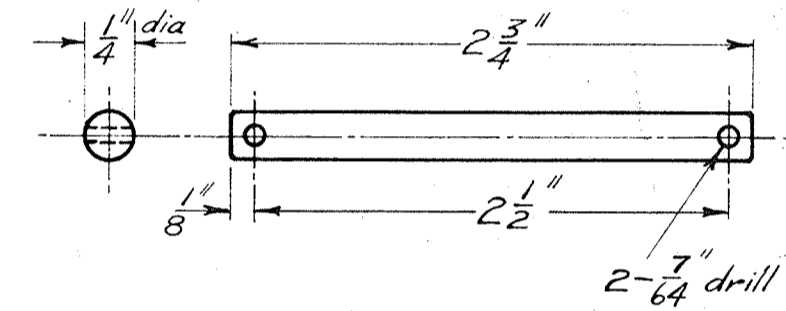
7-9-25



Brass  
TERMINAL STRIP

5H366

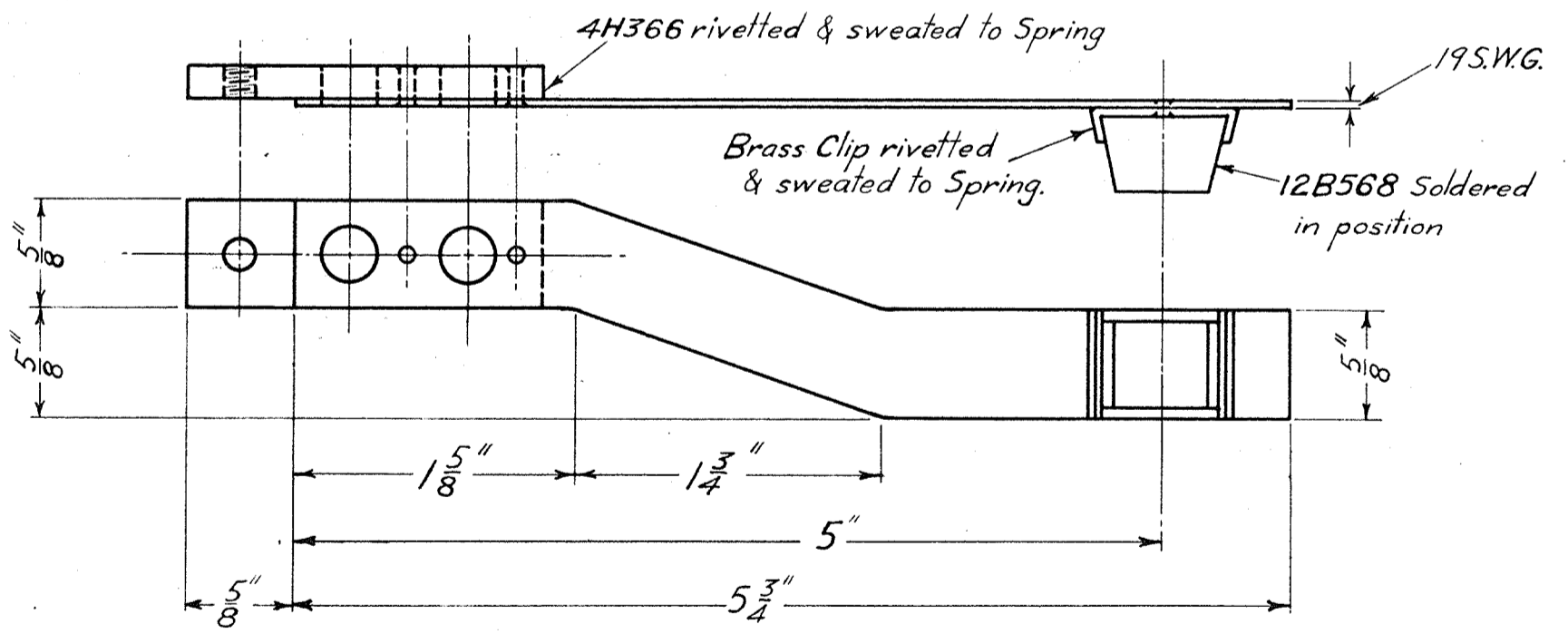
7-9-25



M.S.  
SPINDLE

8H366

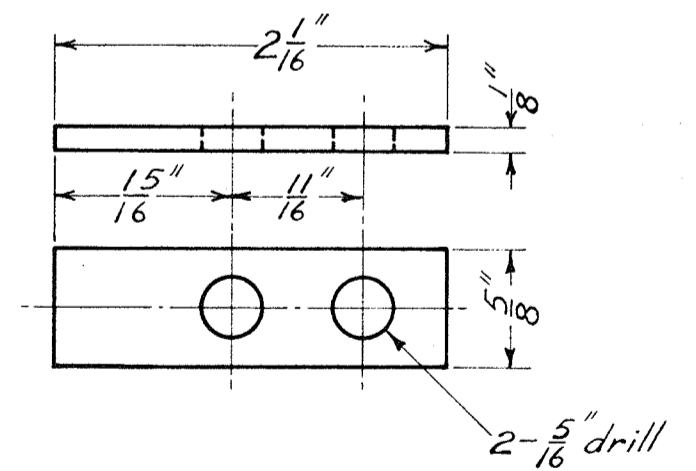
7-9-25



Phos. Bronze L.H. Spring with opposite set — 2H366  
BOTTOM CONTACT SPRING R.H. " as drawn — 3H366

7-9-25

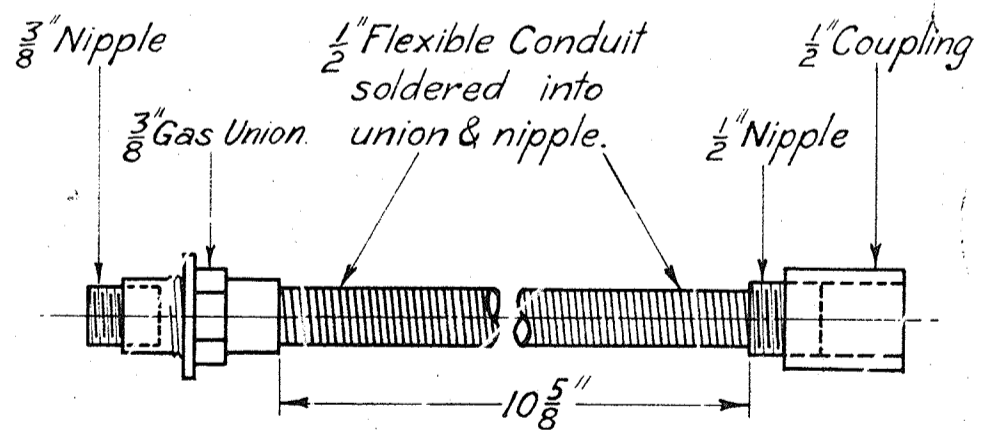
7-9-25



Ebonite  
INSULATING PLATE

6H366

7-9-25



FLEXIBLE CONNECTION

9H366

7-9-25

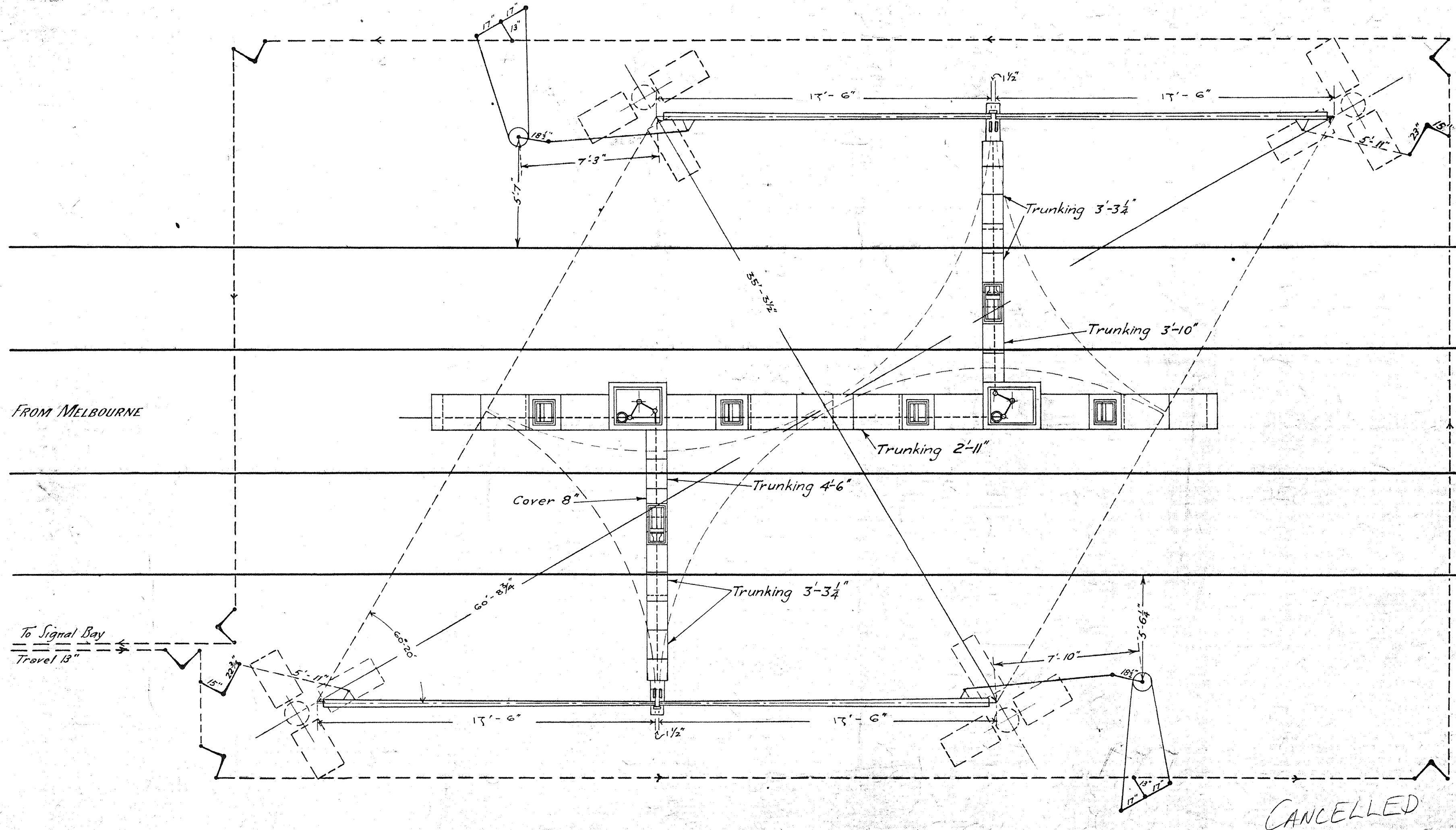
VICTORIAN RAILWAYS  
TREADLE  
DETAILS

Chief Eng of Sigs & Tels	Drawn from Sample	Traced by E.A.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

H366

7-9-25

7794.25



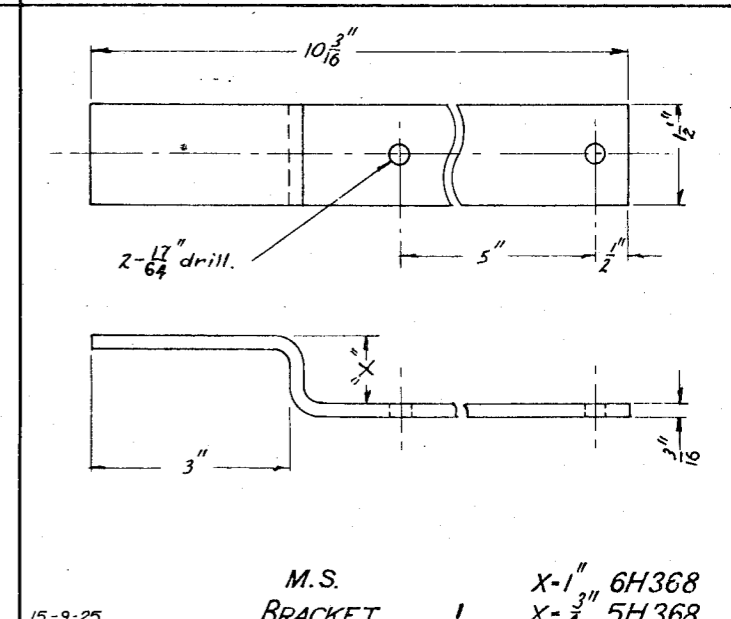
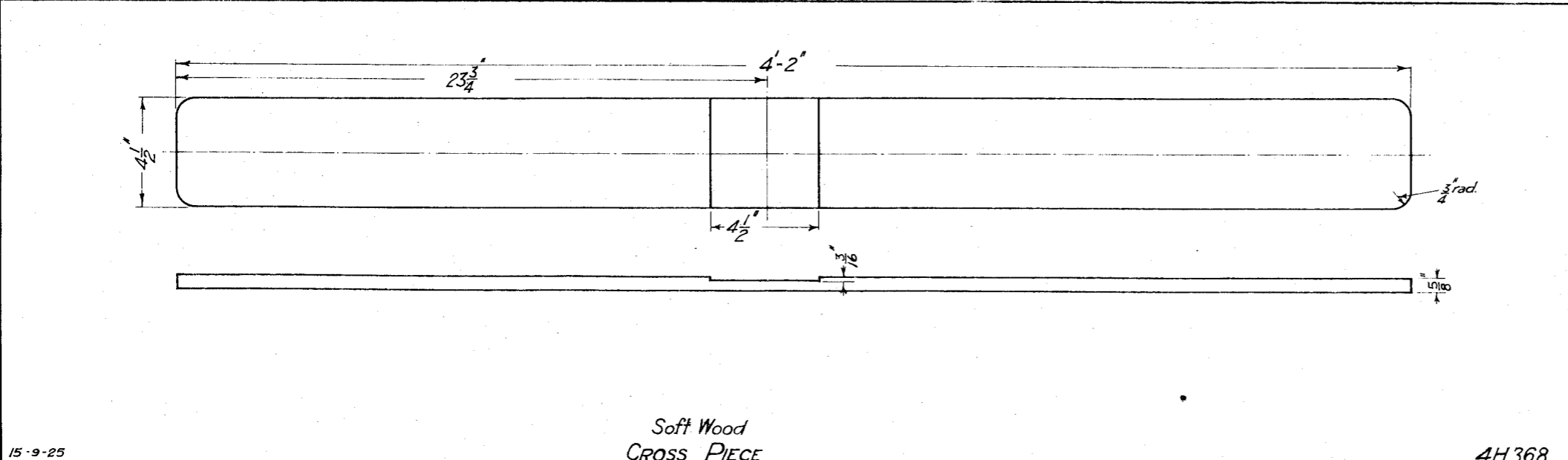
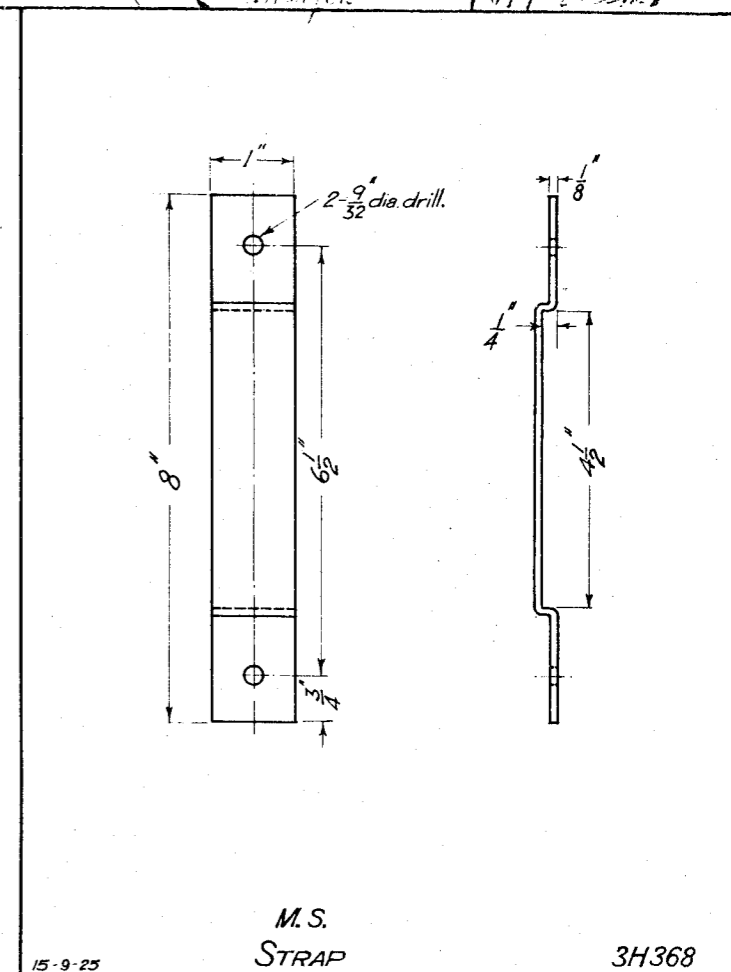
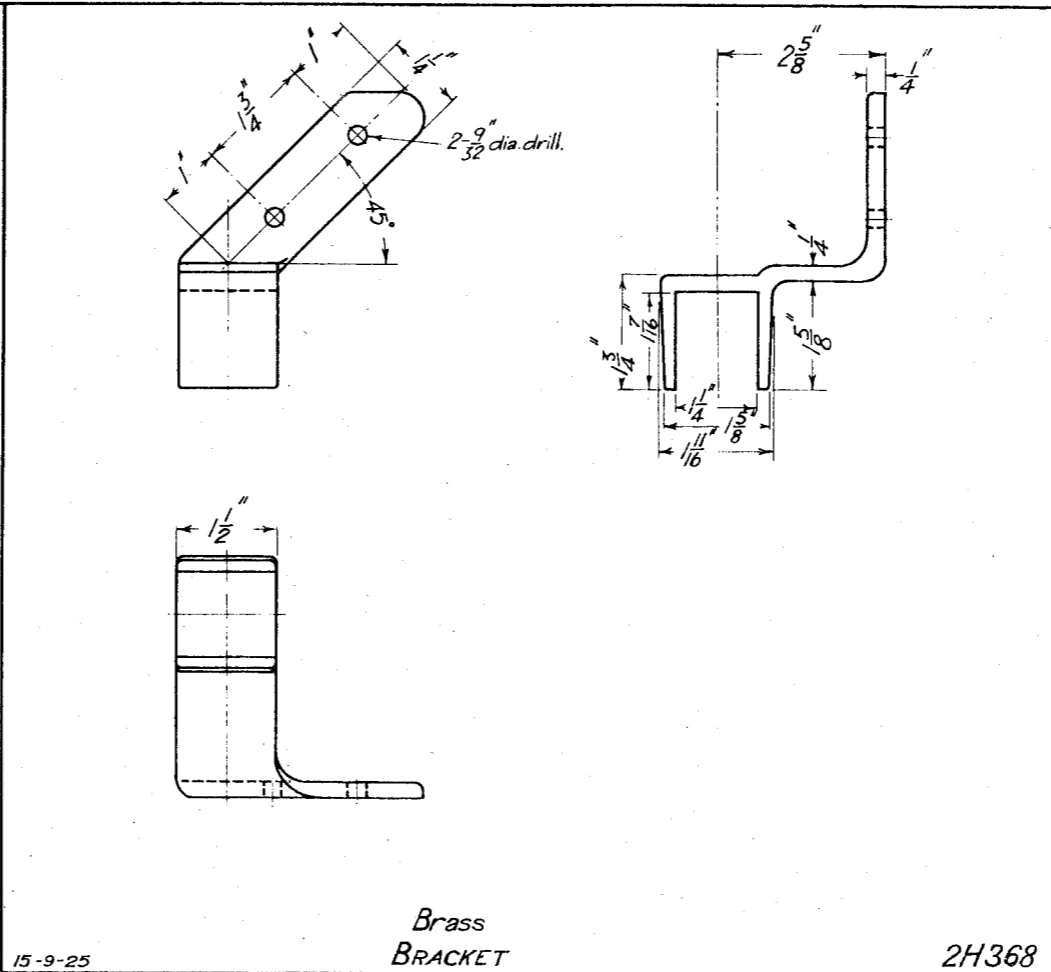
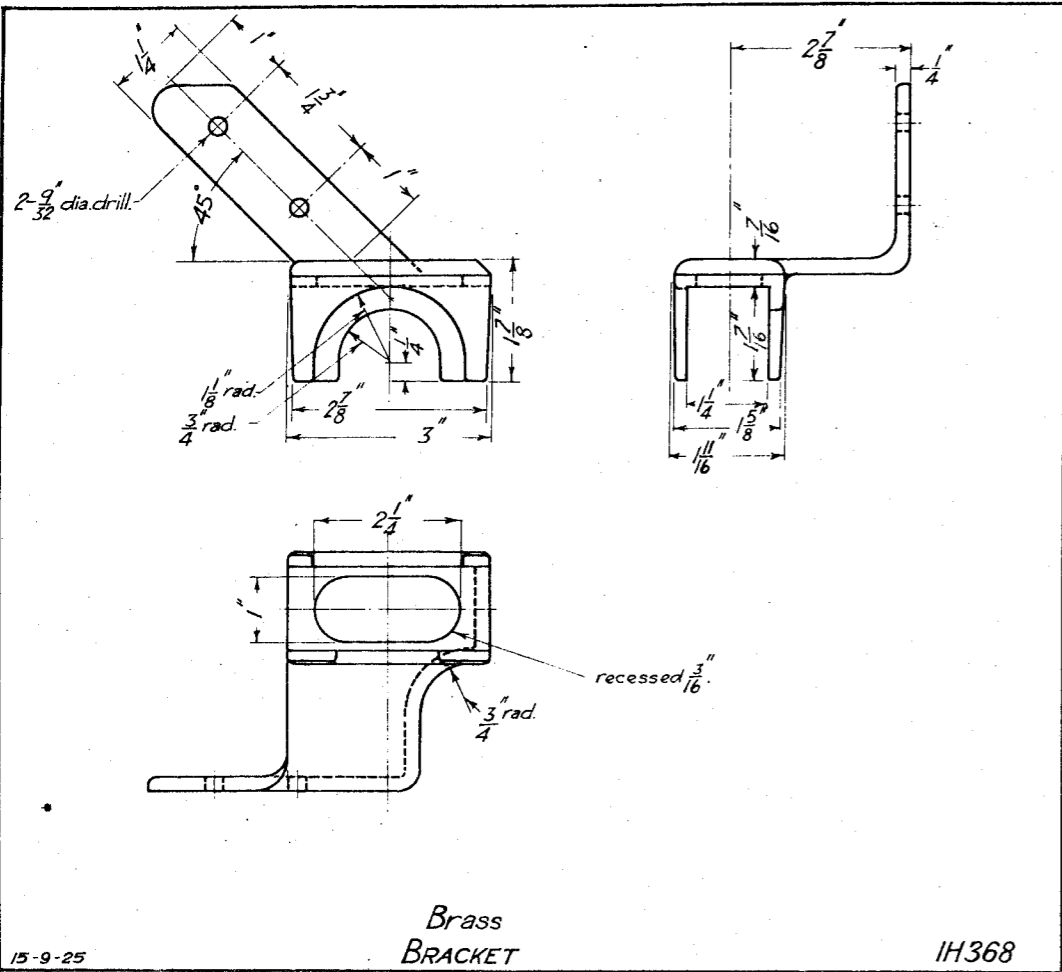
PLAN 343  
 1.7.37

1 In Service 2.3.36 16.9.36  
 Connections altered and special lift cranks added.  
 J.C.W.

In Service 5-5-26.  
 Trunking to be laid down generally as per drawing N193

—V.R.—  
**SYDENHAM**  
 Interlocked Gates at Ballarat R.  
 Scale: 4 ft = 1 inch 8-9-25

2943-25  
 Chief Eng. J.P.S.  
 Signaller J.S.G.  
 H367



3244

Alteration No 1159  
J.W.H.

VICTORIAN RAILWAYS  
**CROSS FOR SIGNALS. SEMAPHORE & LIGHT DETAILS**

Chief Eng Sigs & Tels.  
Drawn from Sample  
Traced by K.C.H.C.

**H368**

23-10-63

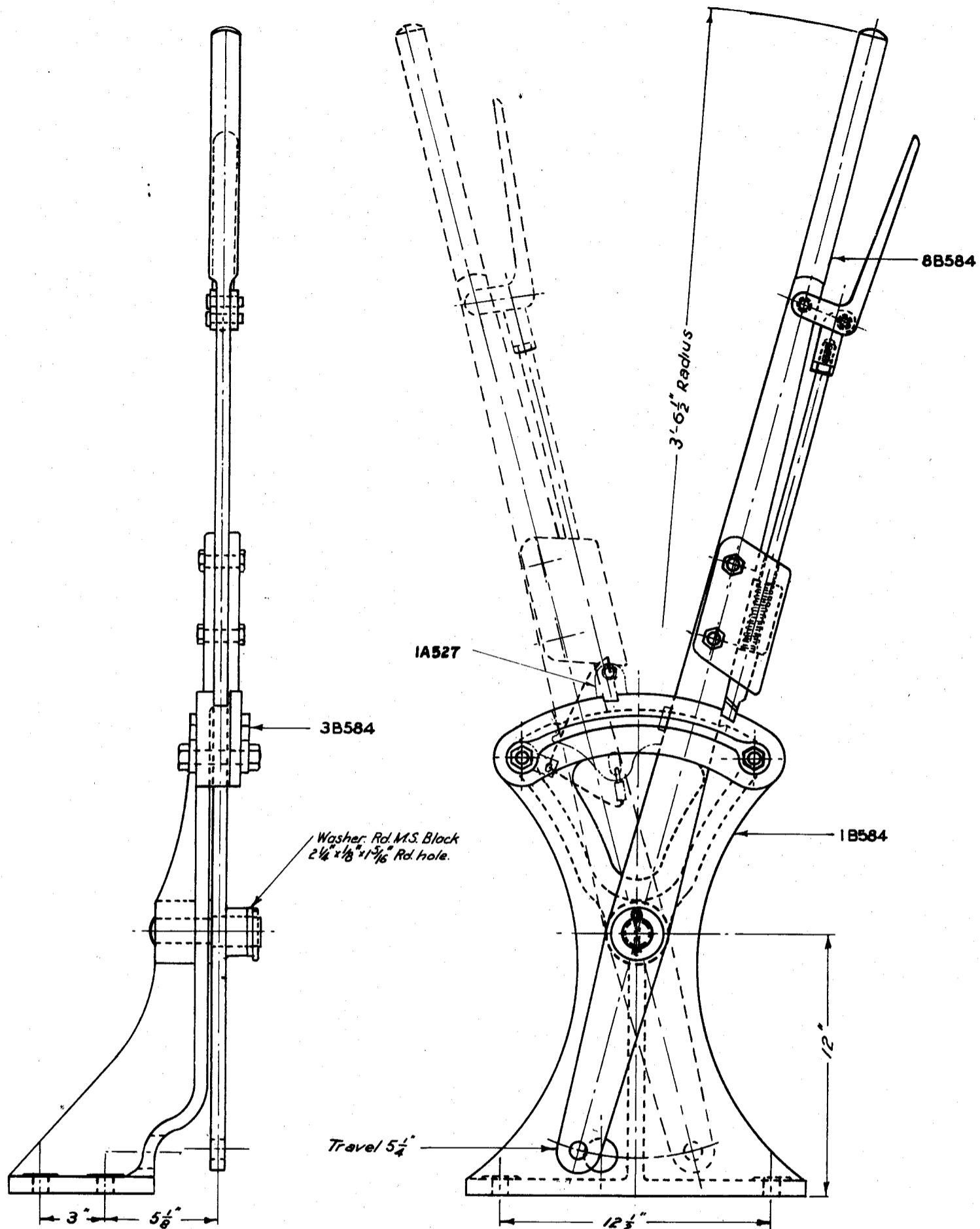
15-9-25

953

2" Margin

J 2-9

3029.254



SMALL POINT LEVER (COMPLETE) IH391

No.	NAME	MATL.	QTY.
1B584	Frame	CI	1
* 3B584	Side Plate	"	1
8B584	Lever	"	1
Ø 1A527	Locking Wedge - Complete		1
Stock	3/8" Whit mech. Bolt 3 1/2" long	M.S.	2
"	1/2" " " " 2" long with thin head & nut	"	2
"	Washer, Rd. Block 2 1/4 x 1/8 x 1 1/16 Rd. hole	M.S.	1

Note:-  
When the lever is to be locked by means of the locking wedge, the location of the lever in the rod lead to be such that the locking wedge is fitted on the non-catch rod side of the point lever as shown.

\* NOTE - When Annett Lock is to be fitted part N° 6B584 is to be used in lieu of part N° 3B584

Ø Note - Locking Wedge - Complete 1A527 ordered separately, when required

IH391

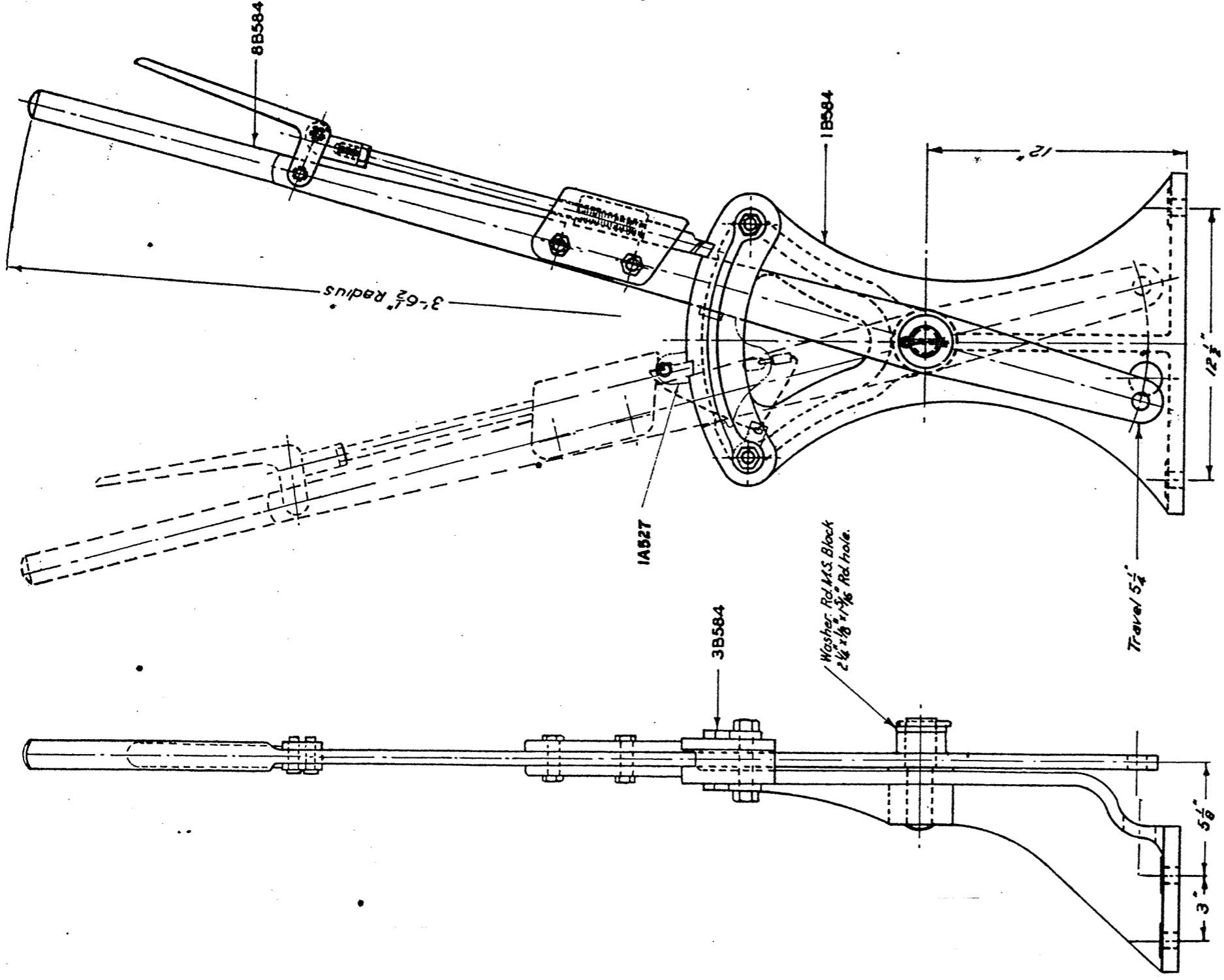
H391

7-12-73	12-11-73	24-7-64	10-11-60	Redrawn including alteration N° 364
Alteration N° 1621	Alteration N° 1611	Alteration N° 1179	Alteration N° 1043	

VICTORIAN RAILWAYS  
SMALL POINT LEVER  
ASSEMBLY

Sig. & Tel. Engineer	Drawn from Sample	Traced by G.V.N.
CMH	[Signature]	[Signature]

H391



SMALL POINT LEVER (COMPLETE) IH391

No.	NAME	MATL.	QTY.
1B584	Frame	C.I.	1
3B584	Side Plate	"	1
8B584	Lever	"	1
1A527	Locking Wedge - Complete	"	1
Stock	4" Whit metal Bolt 3 1/2" long	M.S.	2
"	" " " 2" long with thin heads nut	"	2
"	Washer, Rd. Block 2 1/4" x 1 1/4" x 1/8" Rd. hole	M.S.	1

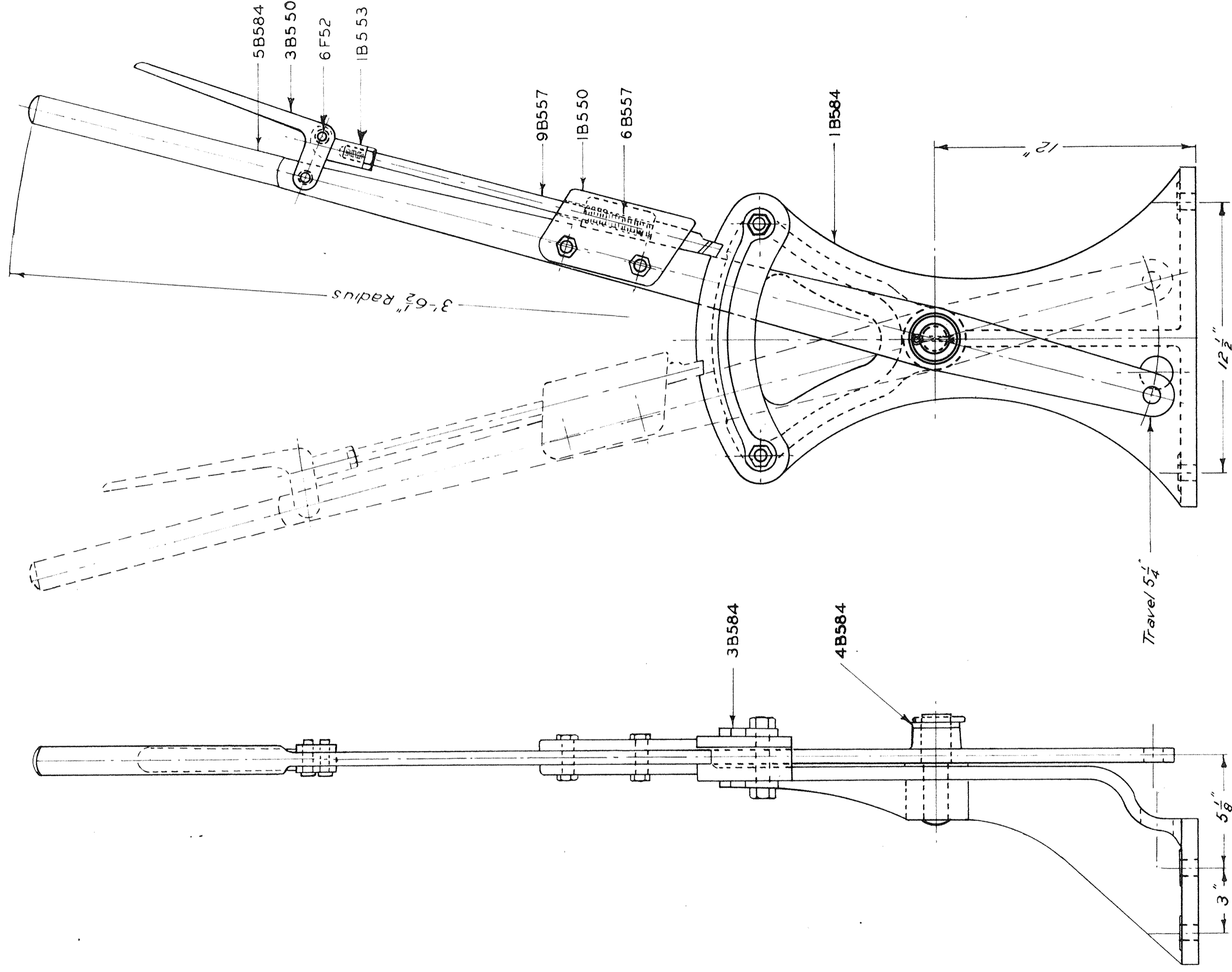
Note:-  
When the lever is to be locked by means of the locking wedge, the location of the lever in the rod lead to be such that the locking wedge is fitted on the non-catch rod side of the point lever as shown.

\* Note:- When Annett Lock is to be fitted per I N° 88584 is to be used in lieu of part N° 3B584.

Ø Note:- Locking Wedge - Complete 1A527 ordered separately, when required.

H391		H391		H391	
7-12-53	Alteration N° 1621	12-11-70	Alteration N° 1611	24-7-64	Alteration N° 1719
10-11-60	Alteration N° 1043	10-11-60	Redrawn including alteration N° 364	24-7-64	Redrawn including alteration N° 364
VICTORIAN RAILWAYS			SMALL POINT LEVER ASSEMBLY		
SCALE - 3/16" FOOT			10-5-54		
S. D. & Tel. Drawn from Sample		Eng. in-charge		Checked by	
C. J. G.		C. J. G.		C. J. G.	

E584 02126



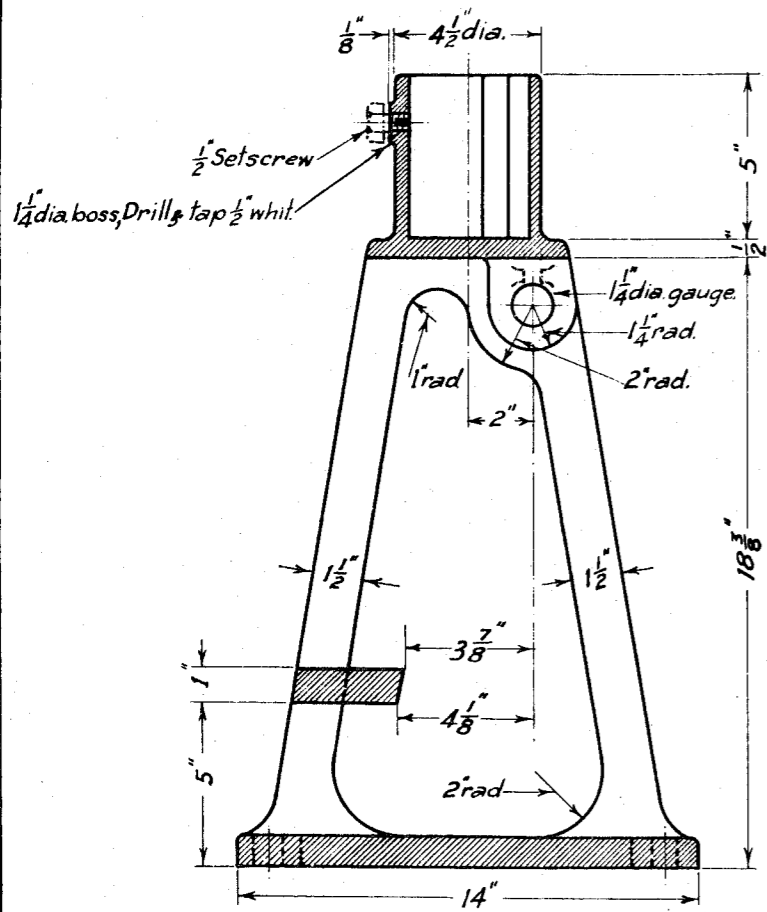
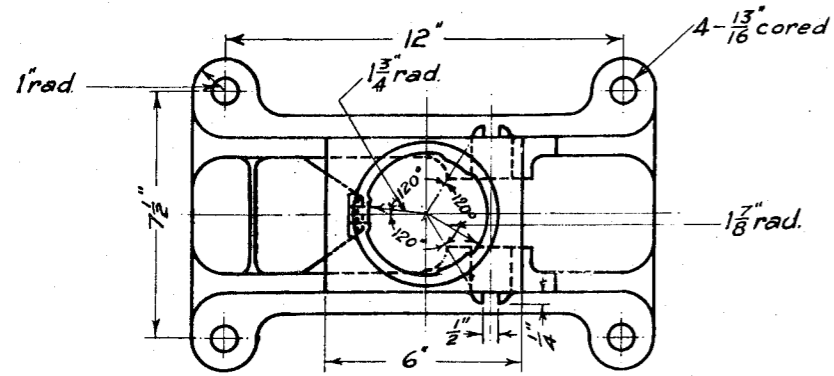
SMALL POINT LEVER (COMPLETE) IH 391

No.	NAME	MATL.	QTY.
1B584	Frame	C.I.	1
3B584	Side Plate	"	1
4B584	Washer	M.S.	1
5B584	Lever	"	1
1B550	Catch Box	C.I.	1
3B550	" Handle	Matl.C.	1
1B553	Knuckle	"	1
6B557	Spring for Catch Rod	Sp. S.I.	1
9B557	Catch Rod	M.S.	1
6F52	Pin 1 1/2" long	"	2
Stock	5/8 Whit. mach. Bolt 3 1/2" long	M.S.	2
"	1/2 " " " 2" long with thin head & nut	"	2

\* NOTE - When Annett Look is to be fitted part No 6B584 is to be used in lieu of part No 3B584.

<b>H391</b>	Redrawn including alteration No 364	<b>VICTORIAN RAILWAYS</b> <b>SMALL POINT LEVER</b> <b>ASSEMBLY</b>	10-5-54 SCALE - 3" = 1 FOOT
IH391	Sig. & Tel. Engineer CBE/	Drawn from Sample G.V.N.	<b>H391</b>



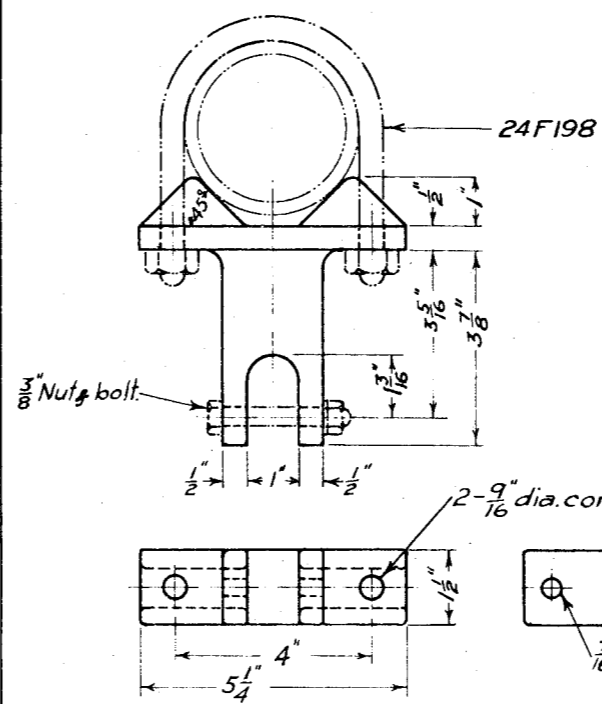


Supplied with:- Pin 4H401  $\frac{1}{2}$ " whit. Setscrew,  $\frac{1}{2}$ " long

C.I.  
BASE

IH401

15-10-26

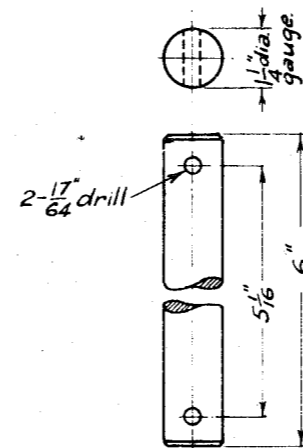


Supplied with:- U. Bolt, 24F198 &  $\frac{3}{8}$ " whit. Bolt,  $2\frac{1}{2}$ " long & Spring Washer.

C.I.  
GUIDE

2H401

15-10-26

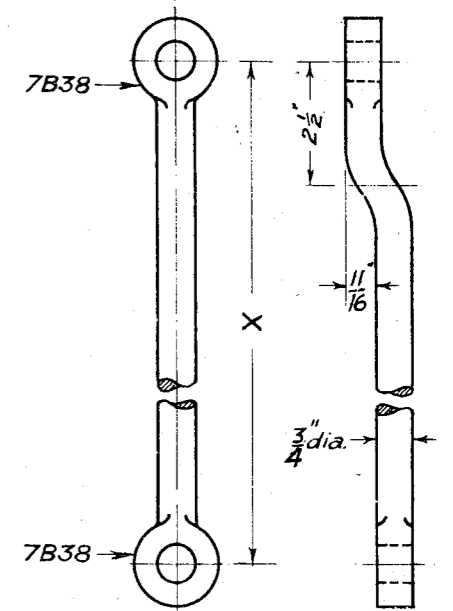


Supplied with:- 2 -  $\frac{1}{4}$ " Split Pins, 2" long

M.S.  
PIN

4H401

15-10-26



M.S.  
DOWN ROD

3H401

15-10-26

30-7-41/AIT:477  
15-10-26

3276

1 12 37

J3-1

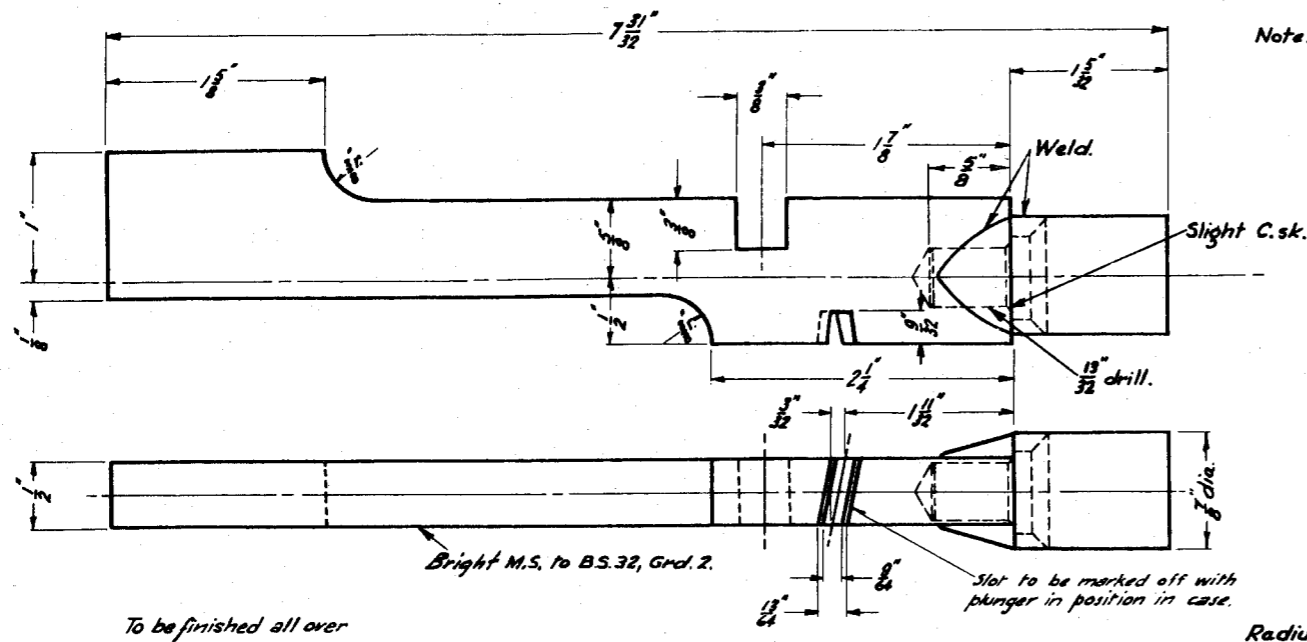
VICTORIAN RAILWAYS  
DWARF SEMAPHORE  
MECHANICAL  
DETAILS

15-10-26

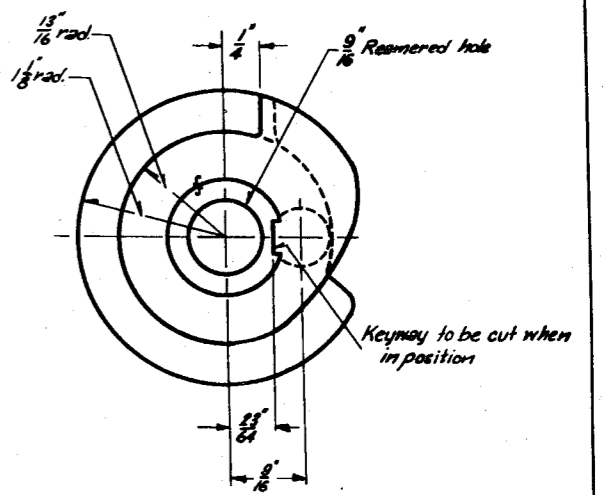
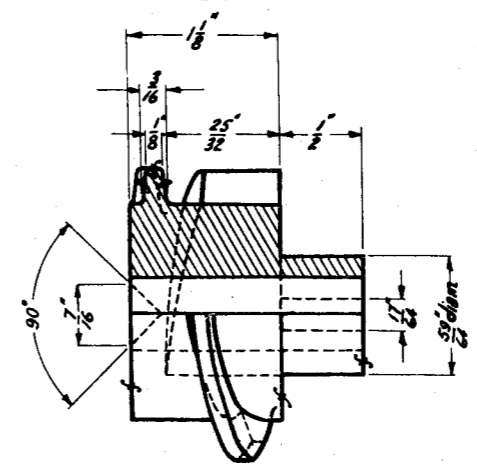
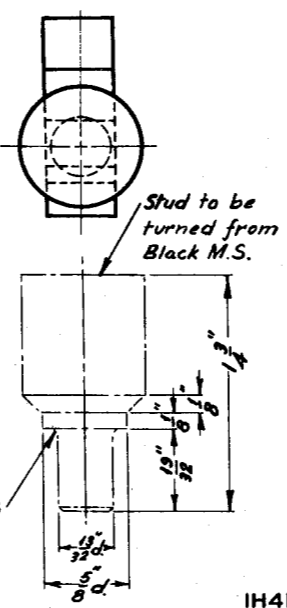
Chief Eng. Sigs & Tels. R.G.C. Traced by L.J.P.

H401





Note:- Stud & Shoulder to be restored after welding.



Note:- Lead of screw to be  $1\frac{1}{2}$  R.H.

Alt. N° H31. 13-3-63.  
Alt. N° H27. 18-2-63.

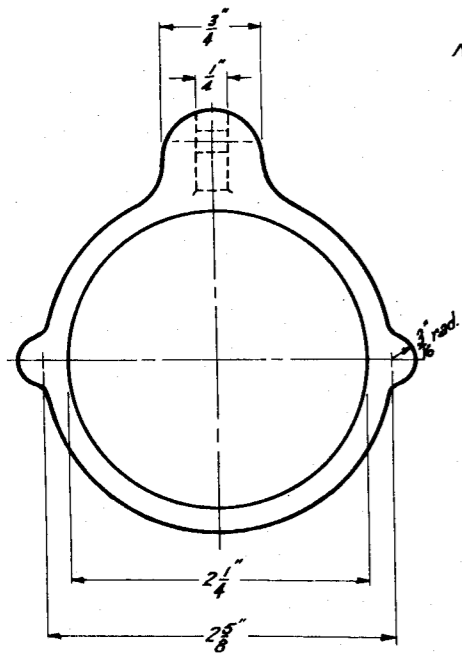
M.S. PLUNGER

IH412

Alt N° 387

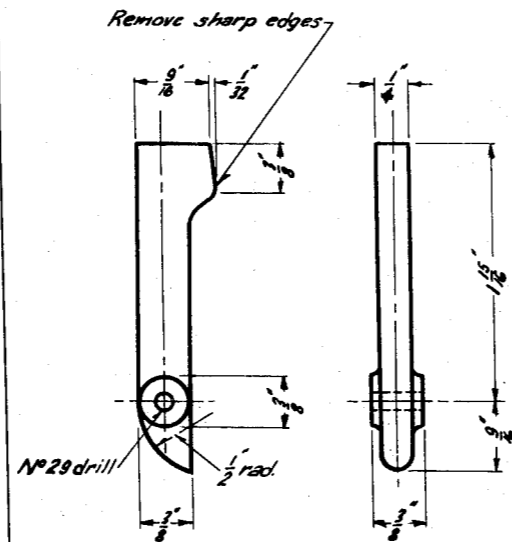
C.I. WORM

2H412



BRASS CAP

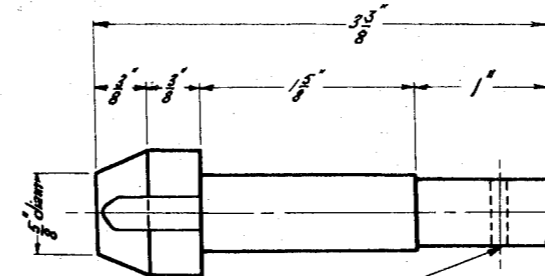
3H412



BRASS PAWL

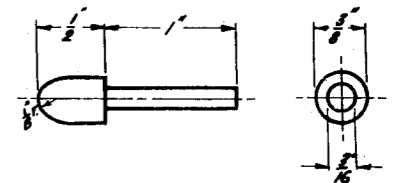
4H412

Alt. N° 1560/7-12-72  
Alt. N° 387



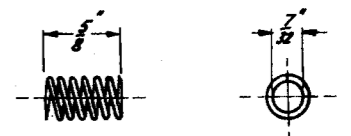
M.S. PIN

5H412



M.S. PLUNGER

6H412



6 Turns 18 S.W.G.

SPRING STEEL SPRING

7H412

3287.  
J3-1.

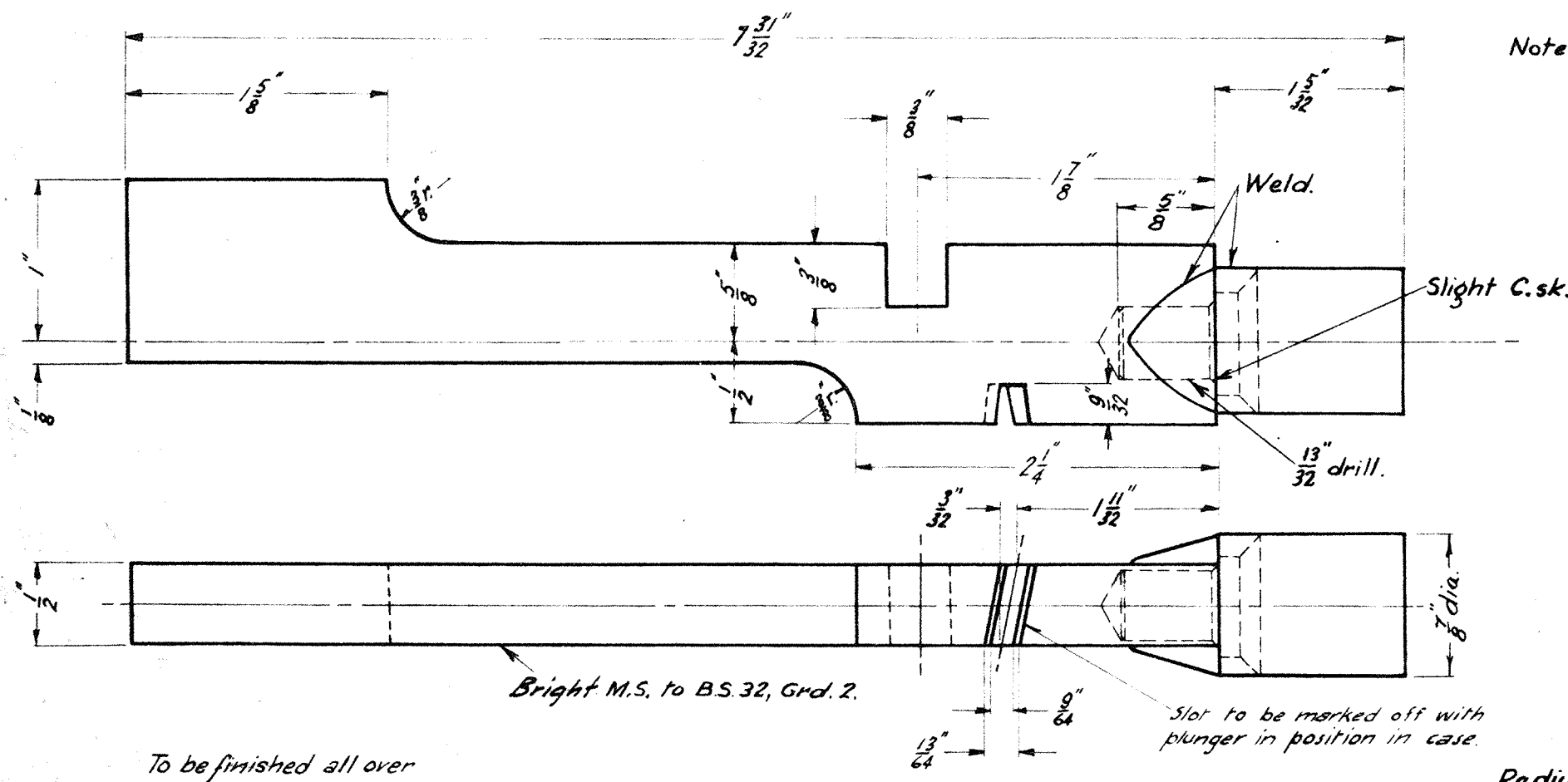
Redrawn including alteration N° 387.  
Original dated 4-2-27.  
Operated by large staff added to title.

VICTORIAN RAILWAYS  
STAFF LOCK  
OPERATED BY LARGE STAFF  
DETAILS

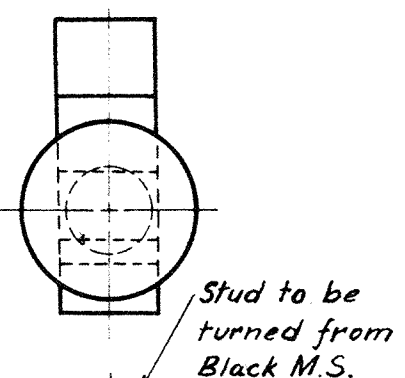
SIG. & TEL. ENGINEER  
DRAWN BY  
D.S.W.  
TRACED BY  
D.S.W.

H412

20-5-54



Note - Stud & Shoulder to be restored after welding.



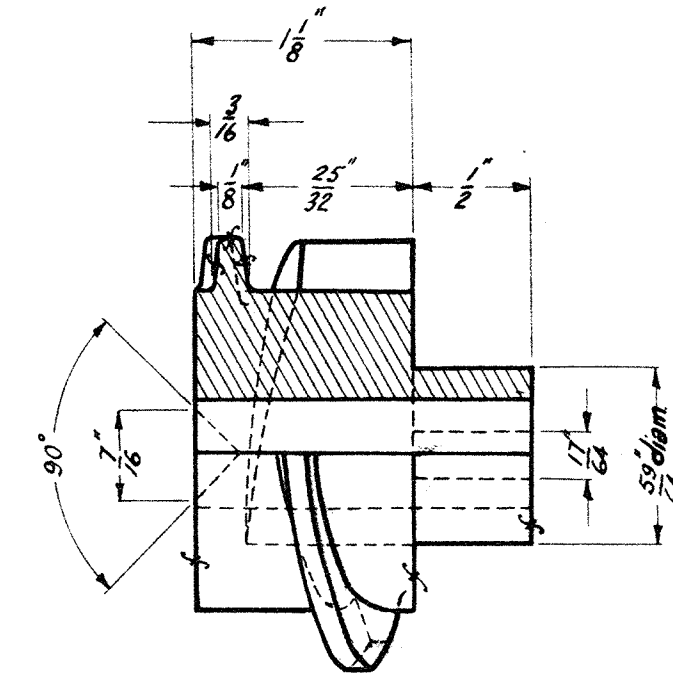
Radius

Alt. N° 1131. 13-3-63.  
Alt. N° 1127. 18-2-63.

M.S. PLUNGER

IH412

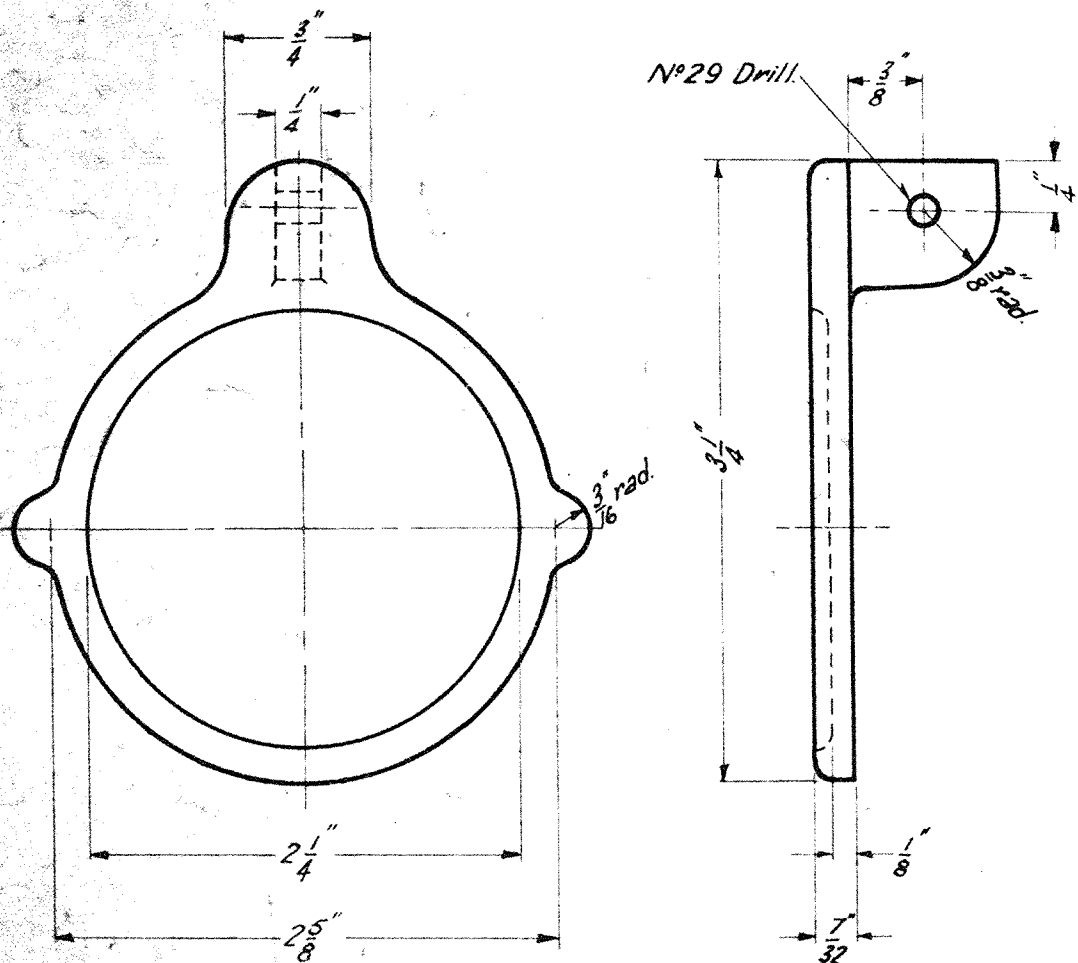
Alt. N° 387



Note - Lead of screw to be 1 1/2 R.H.

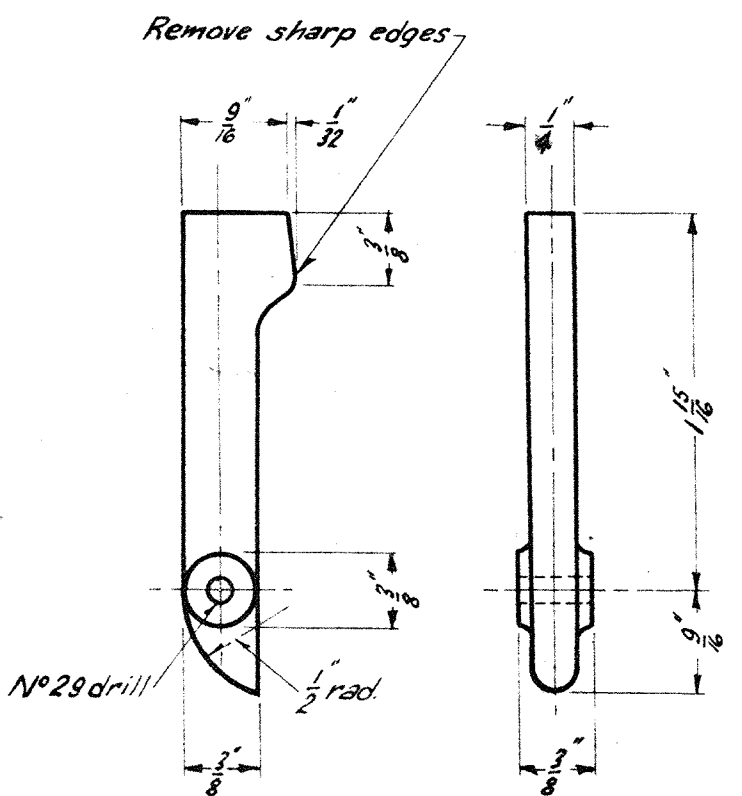
C.I. WORM

2H412



BRASS CAP

3H412

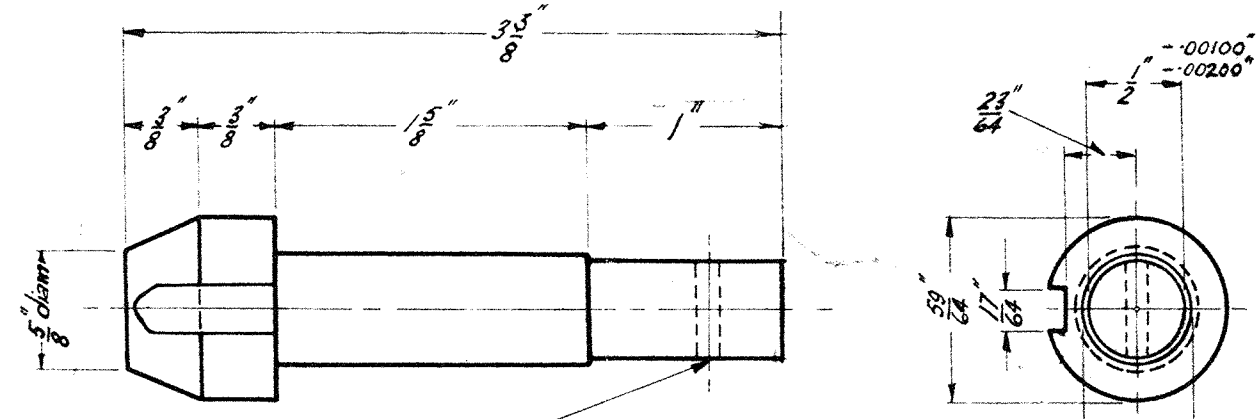


BRASS PAWL

4H412

Alt. N° 1560/7-12-72  
Alt. N° 387

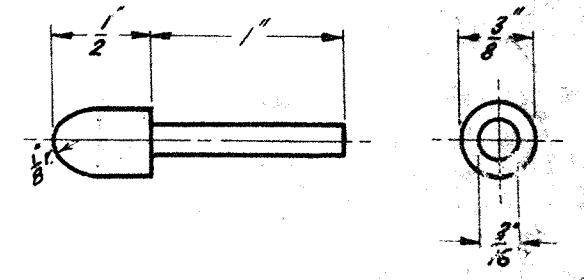
Drill for 1/8 diam rivet when in position



M.S. PIN

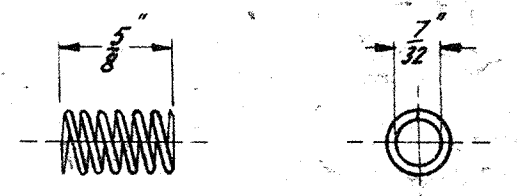
COLIN RUTLEDGE

5H412



M.S. PLUNGER

6H412



SPRING STEEL SPRING

7H412

6 Turns 18 S.W.G.

3287.  
J3-1.

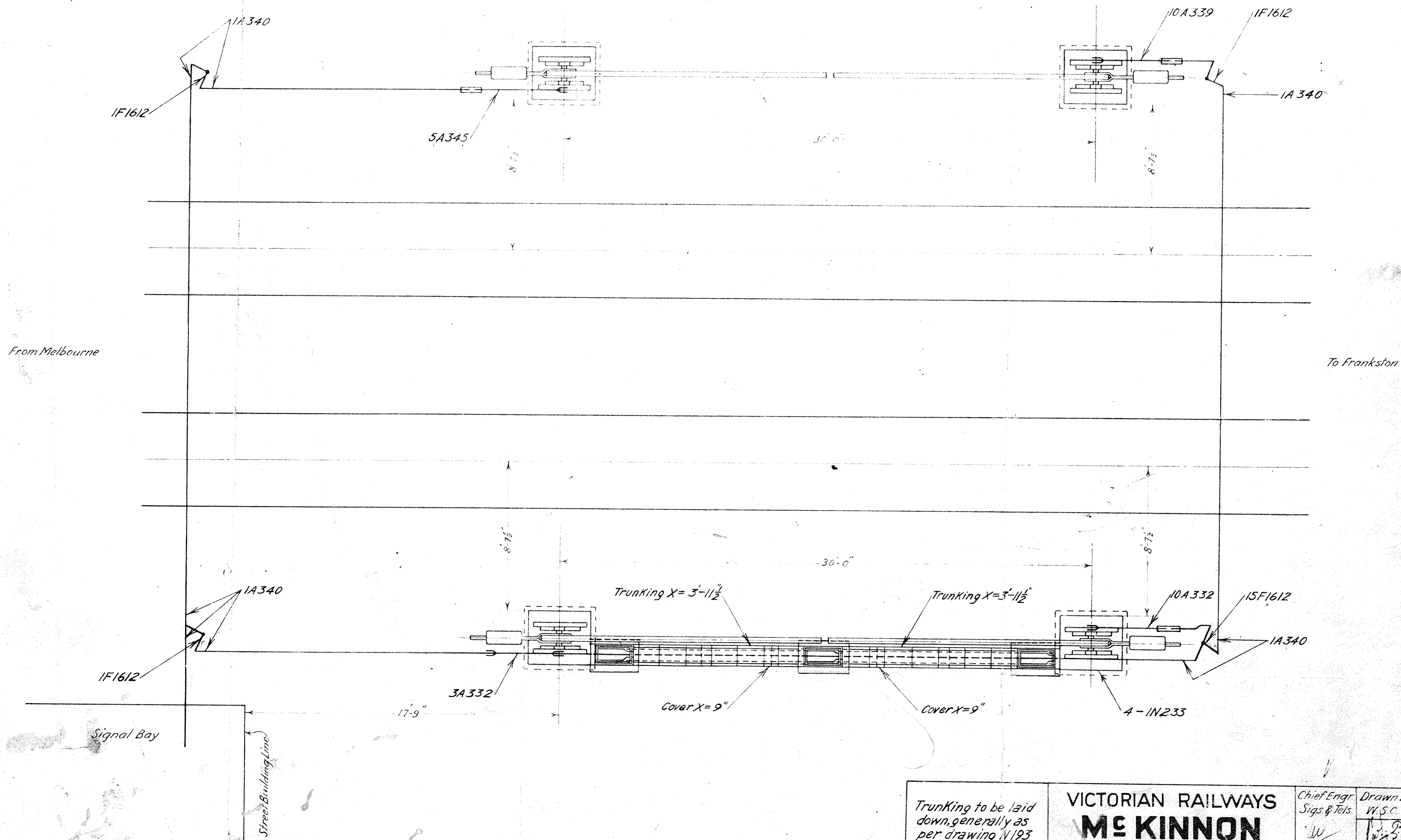
Redrawn including alteration N° 387.  
Original dated 4-2-27.  
Operated by large staff added to title.

VICTORIAN RAILWAYS  
**STAFF LOCK**  
OPERATED BY LARGE STAFF  
DETAILS

SIG. & TEL. ENGINEER  
DRAWN BY D.S.W.  
TRACED BY D.S.W.

H412

20-8-54

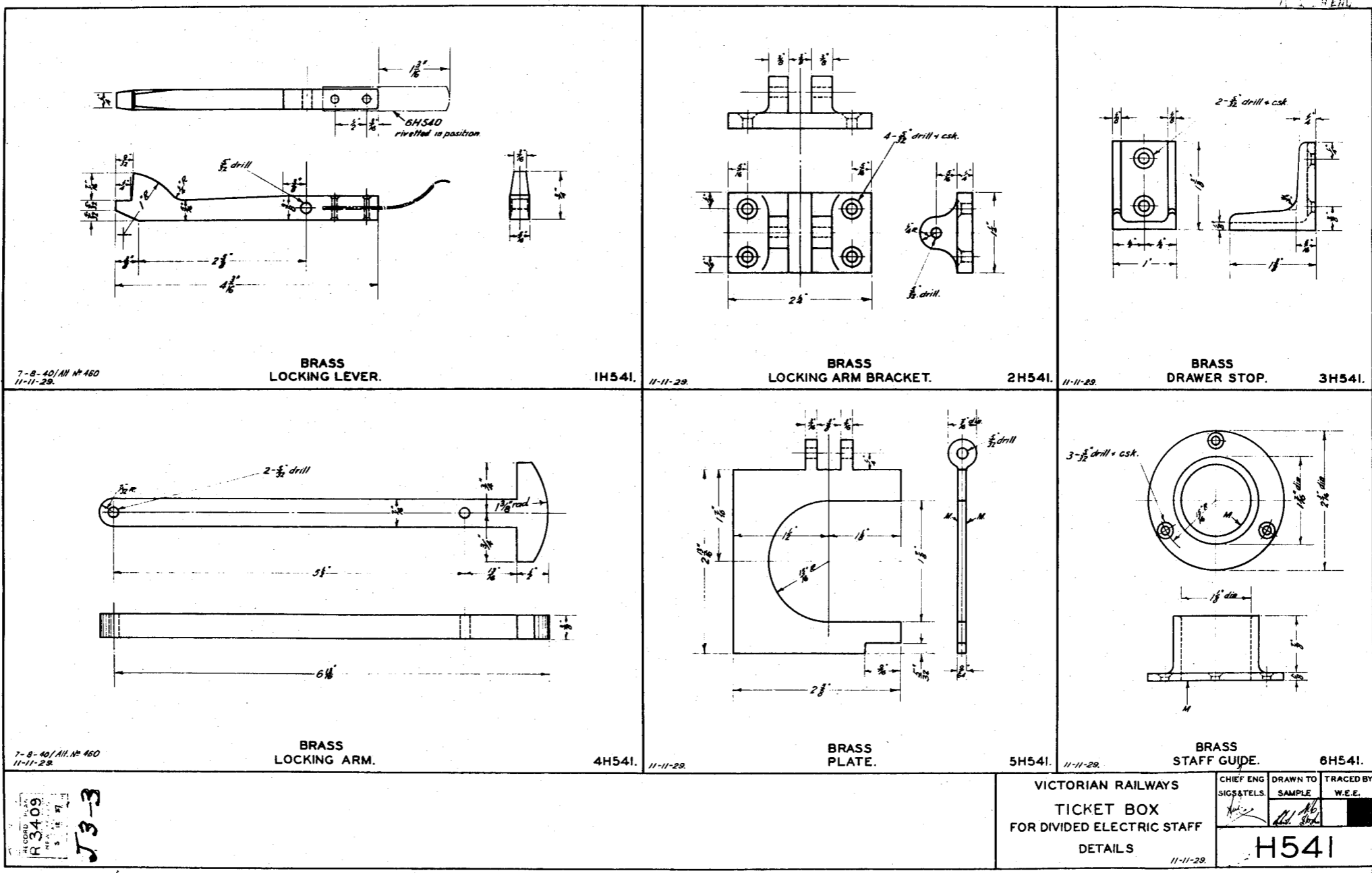


Trunking to be laid down, generally as per drawing N193

**VICTORIAN RAILWAYS**  
**Mc KINNON**  
 INTERLOCKED BOOM GATES  
 AT MCKINNON ROAD  
 Scale 1/4" = 1 Ft. 21-2-27.

Chief Engr Sigs & Tels W	Drawn by W.S.C. [Signature]	Traced by W.S.C. [Signature]
		1 SS1

**H415**



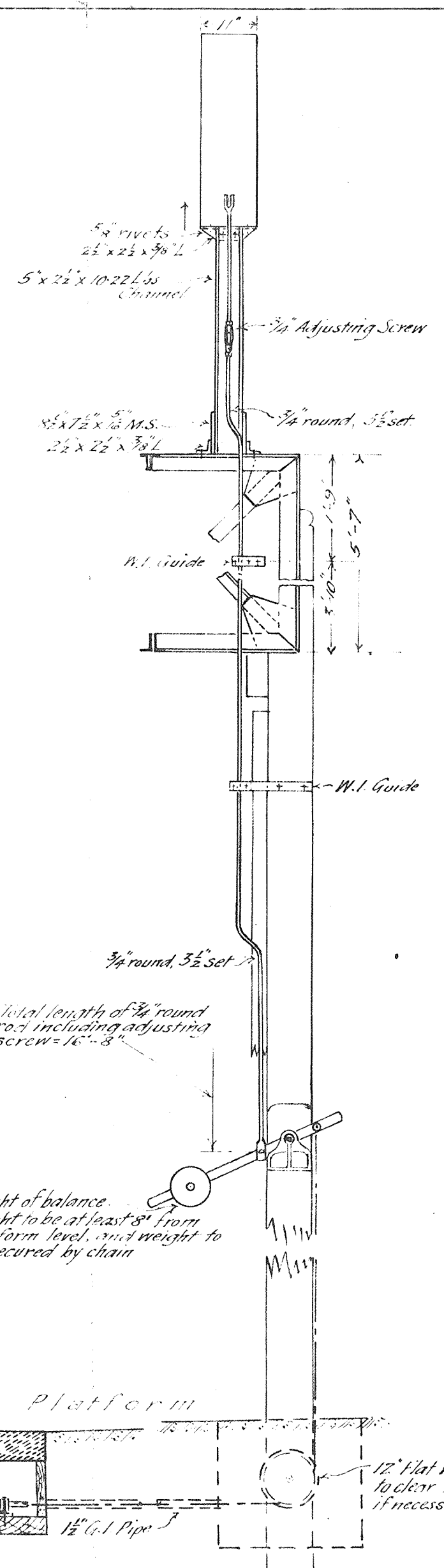
LOG NO. R3409  
J3-3

VICTORIAN RAILWAYS  
TICKET BOX  
FOR DIVIDED ELECTRIC STAFF  
DETAILS  
11-11-29.

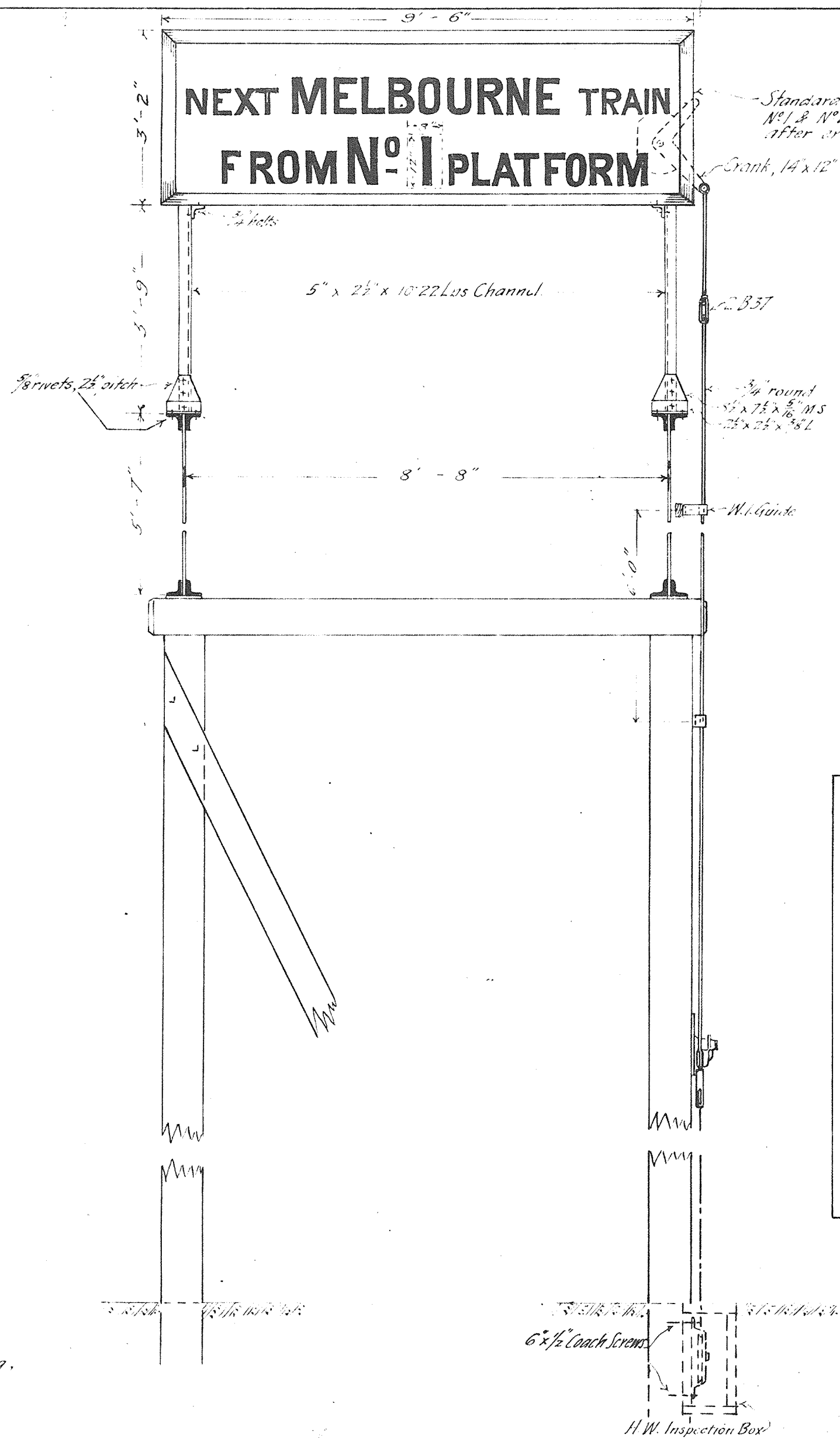
CHIEF ENG SIGS&STELS.	DRAWN TO SAMPLE	TRACED BY W.E.E.
H541		

MICRO-DATA 125 METRES AND FEET

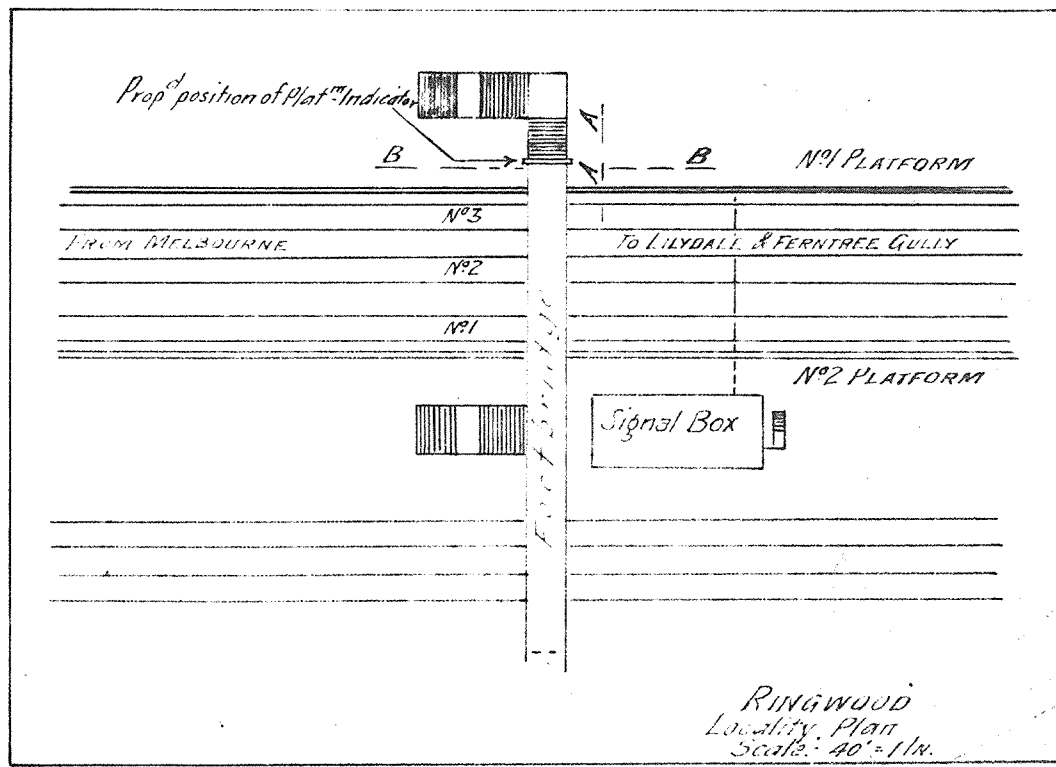
120 METRES AND FEET



SECTION ON A--A



SECTION ON B--B



RINGWOOD  
Locality Plan  
Scale: 40 = 1 in.

-V. R.-  
**RINGWOOD**  
PLATFORM INDICATOR ON  
FOOTBRIDGE

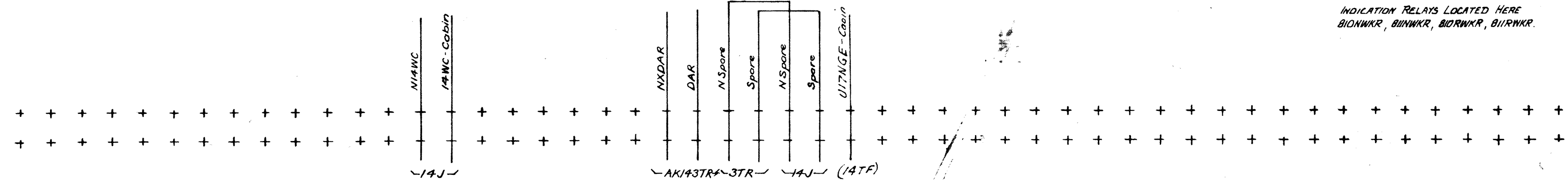
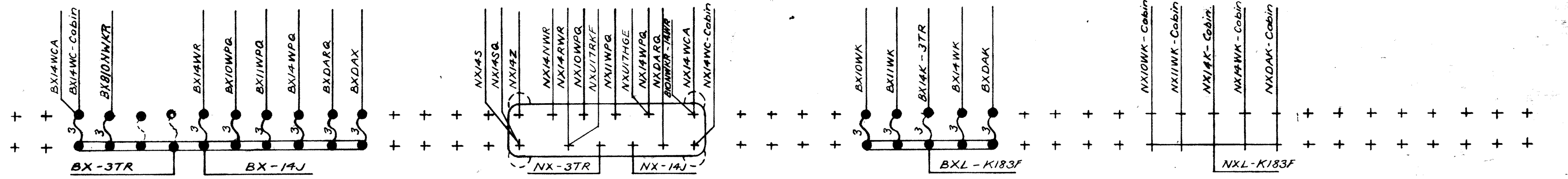
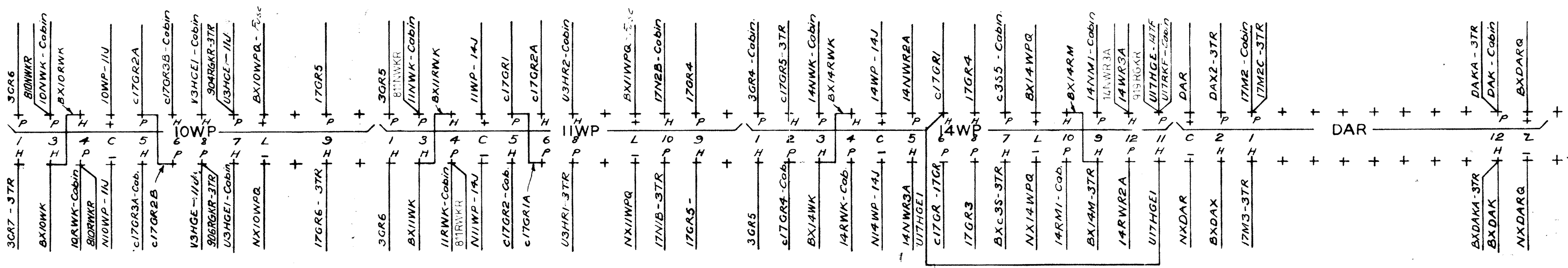
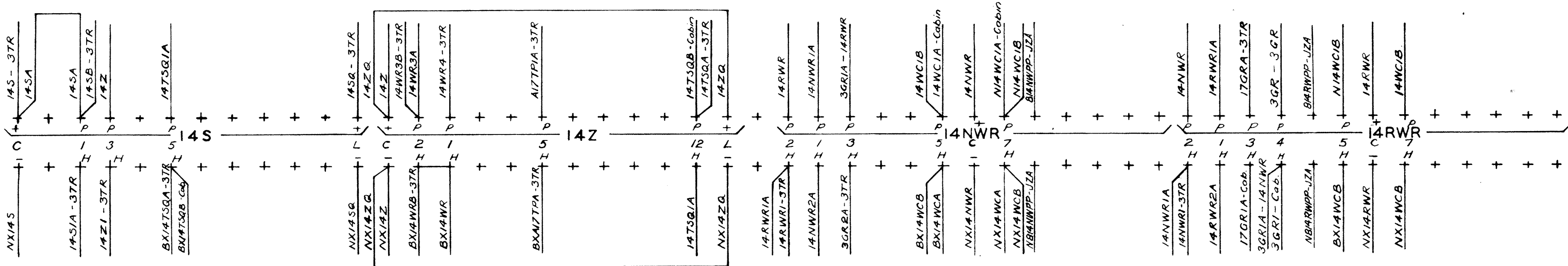
Checked by  
Supt. & Tel.  
Drawn by  
F. S. G.  
Traced by  
A. J. R.

Scales:  
2 Ft. = 1 in. & 40 = 1 in.

14-11-27.

**H 451**

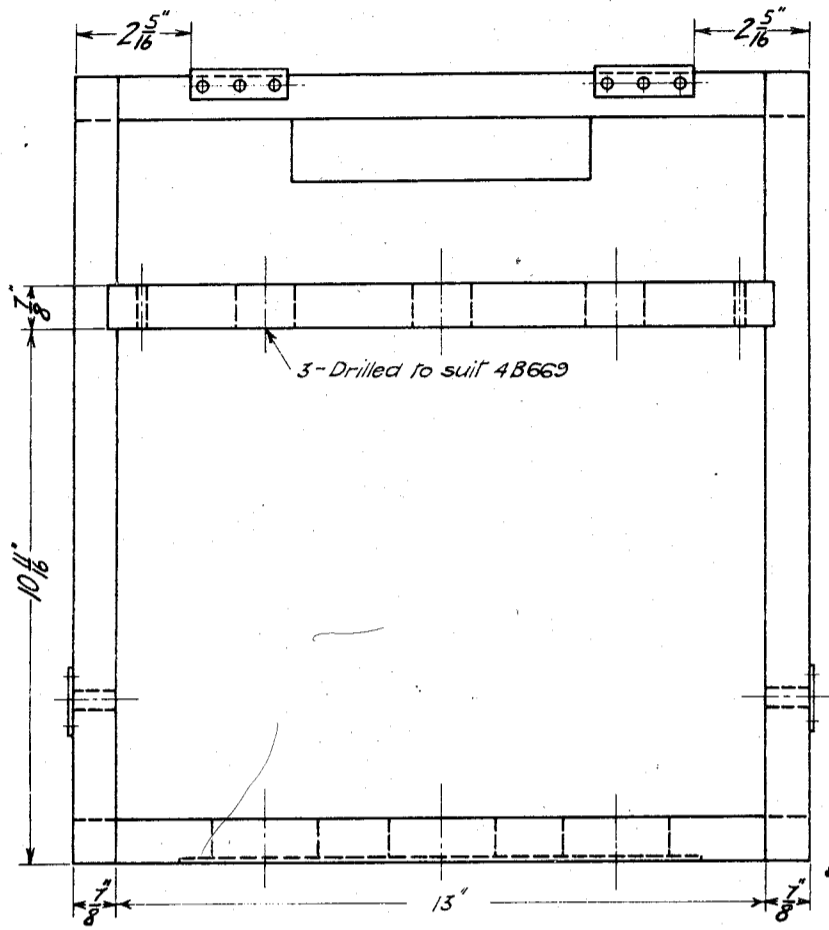
3324  
2 9 37



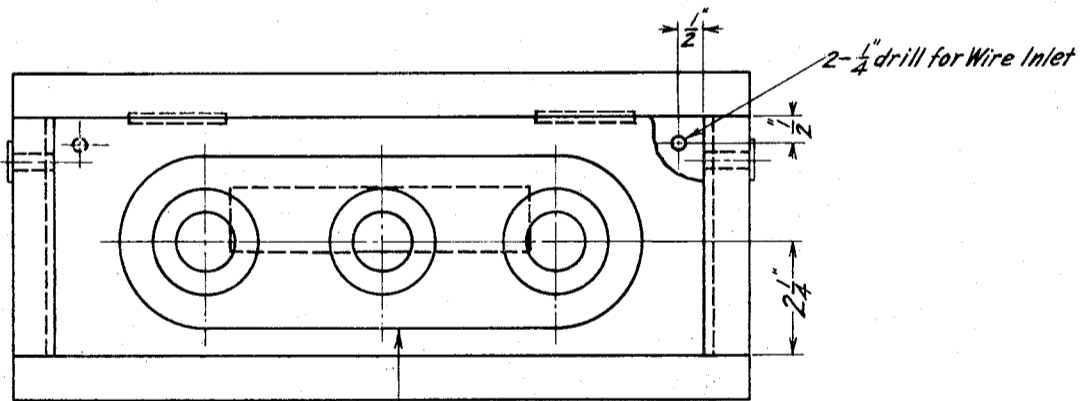
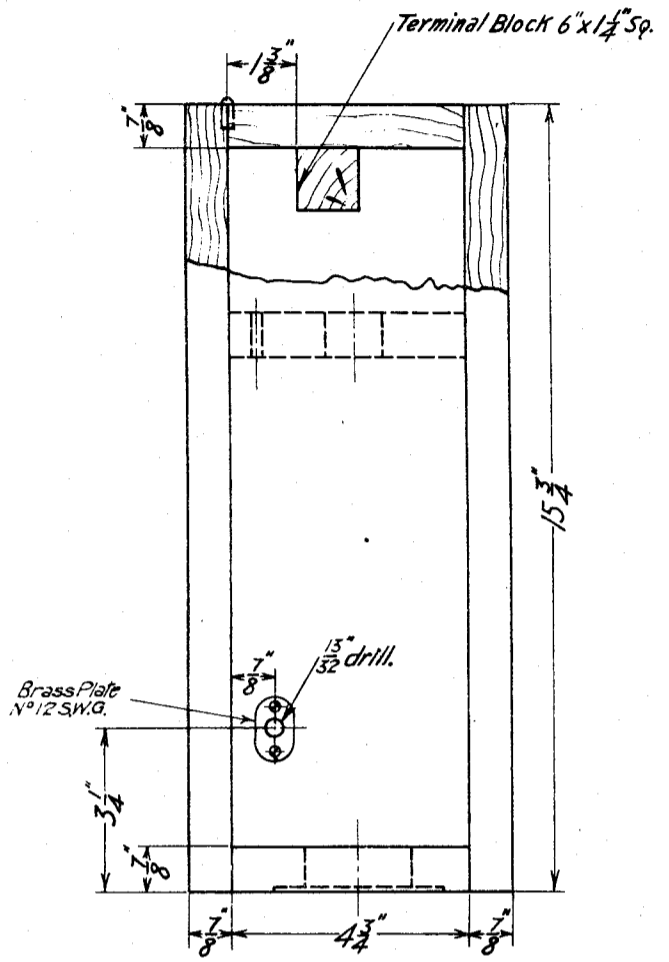
INDICATION RELAYS LOCATED HERE  
B10WK, B11WK, B12WK, B13WK

B	6-10-82	A	28-11-80	9	20-9-54	8
Details Revised M/C MURLA Contract 819		DETAILS OF CONTACTS FOR JZA ADDED M/C MURL CONTRACT 819		U17RKF wires added as in service		Revised and redrawn for addition of U3, V3 & U17 Dwarf Signals. Original dwg. dated 27-10-28
RJA	RJA	RJA	RJA	BWG	VICTORIAN RAILWAYS <b>ST. KILDA</b> 14WR BOX WIRING DIAGRAM 23-6-47	
					SIG. & TEL. ENGINEER	DRAWN BY A.J.R.
					TRACED BY N.M.G. 55	
					<b>H452</b>	





PLAN WITH COVER REMOVED.



Drilled & Recessed to suit 5B669

Box to be painted Red.

3-3-28

BOX

IH453

H453

7-8-2  
 RECORD  
 3326  
 NEW  
 1928

W. J. L. WEND

Redrawn & Renumbered. Original under M3 & RM 7 dated 4-1-19.

VICTORIAN RAILWAYS  
**STAFF SWITCH BOX**  
 MINIATURE STAFF  
 DETAILS  
 TYPE "A"  
 3-3-28

Chief Engr  
 Sigs & Tels.  
*[Signature]*

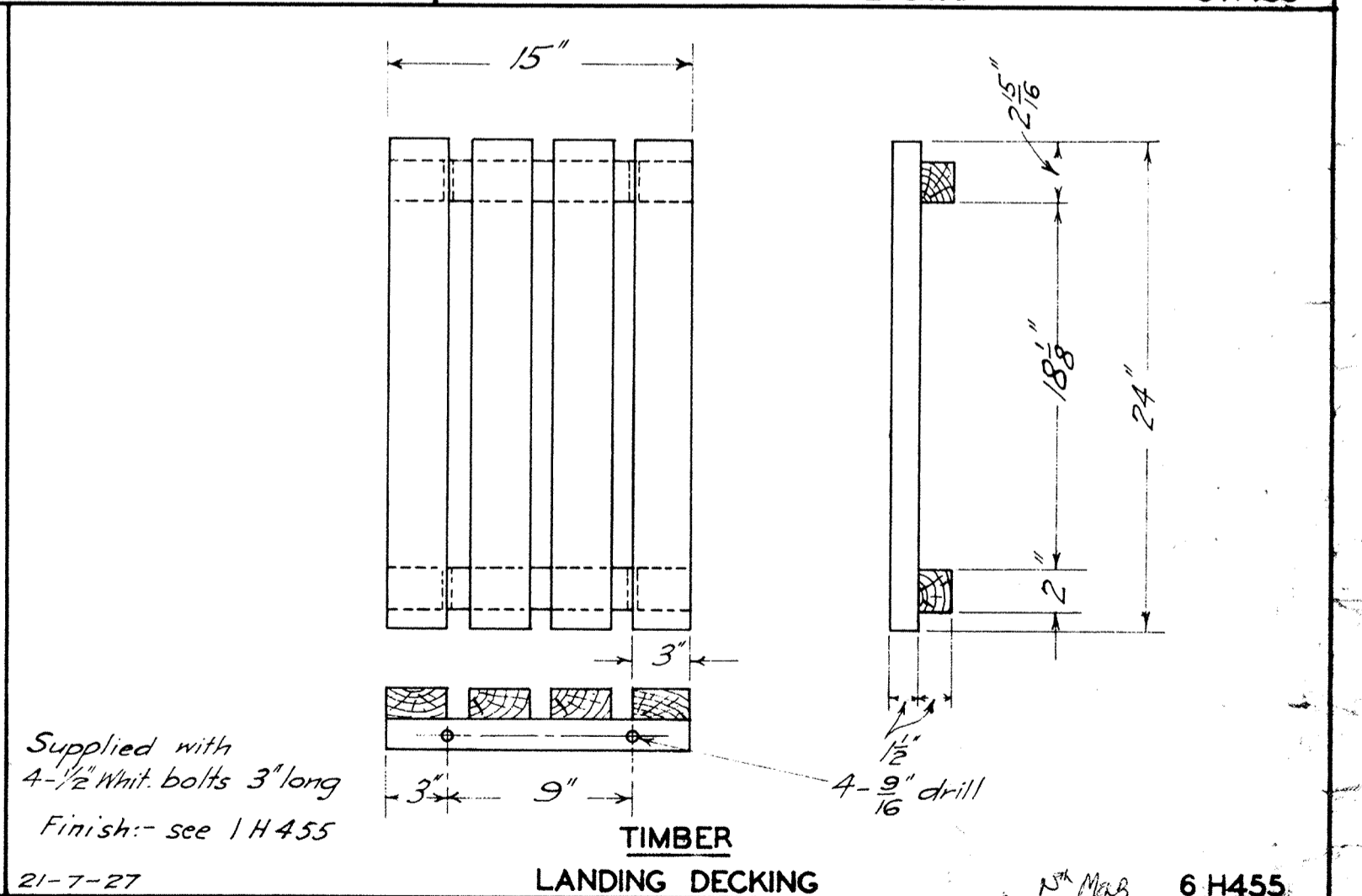
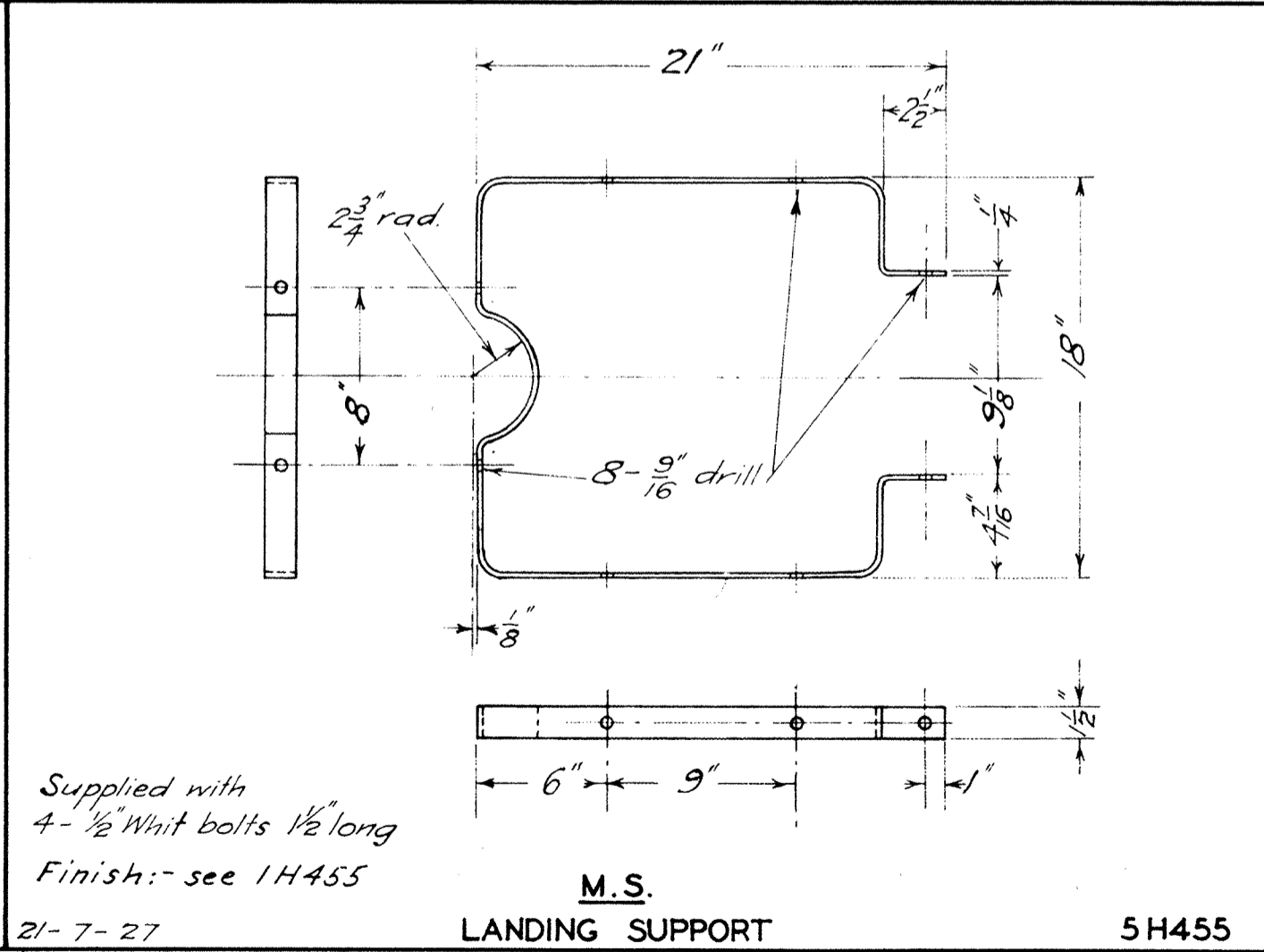
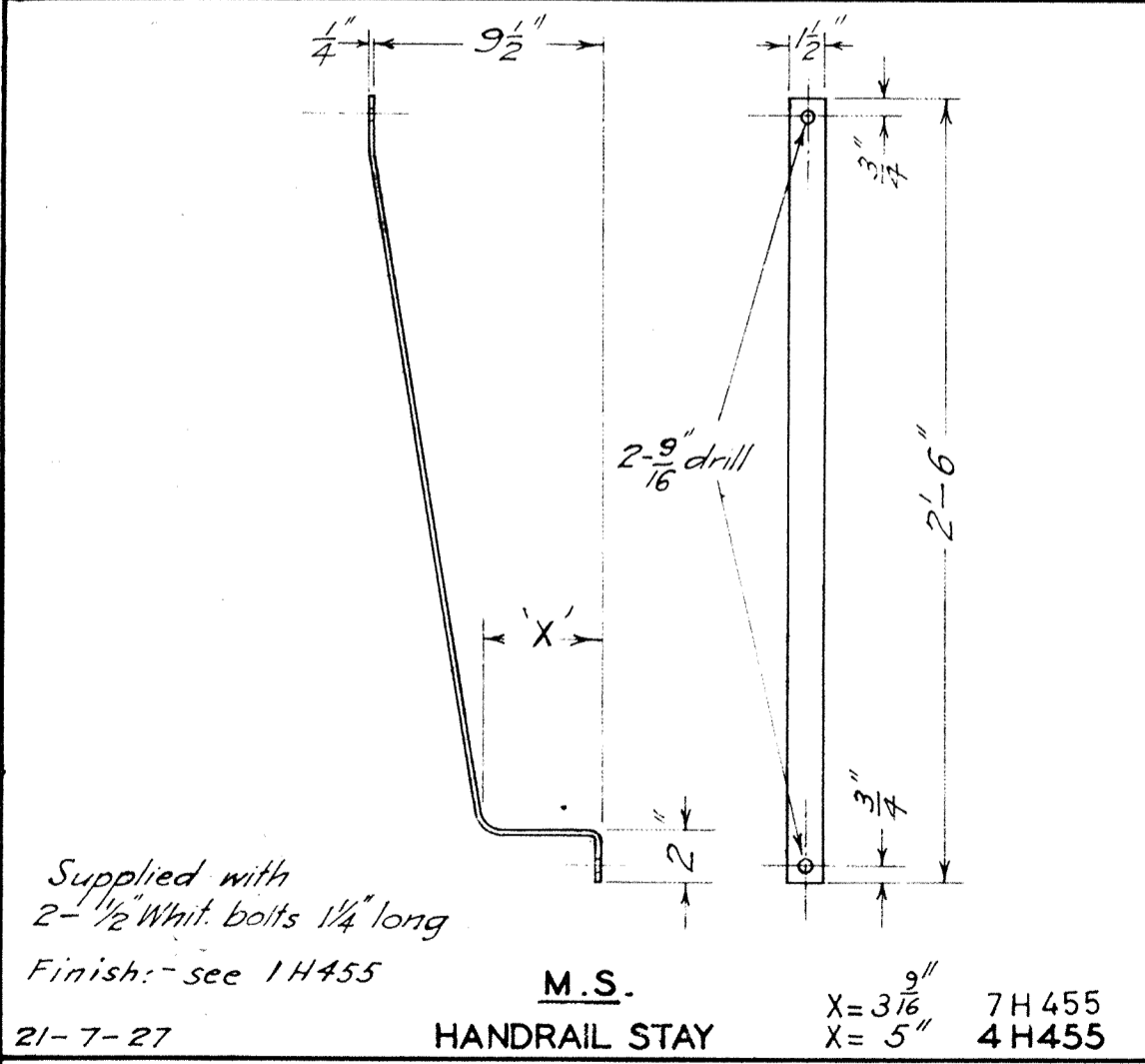
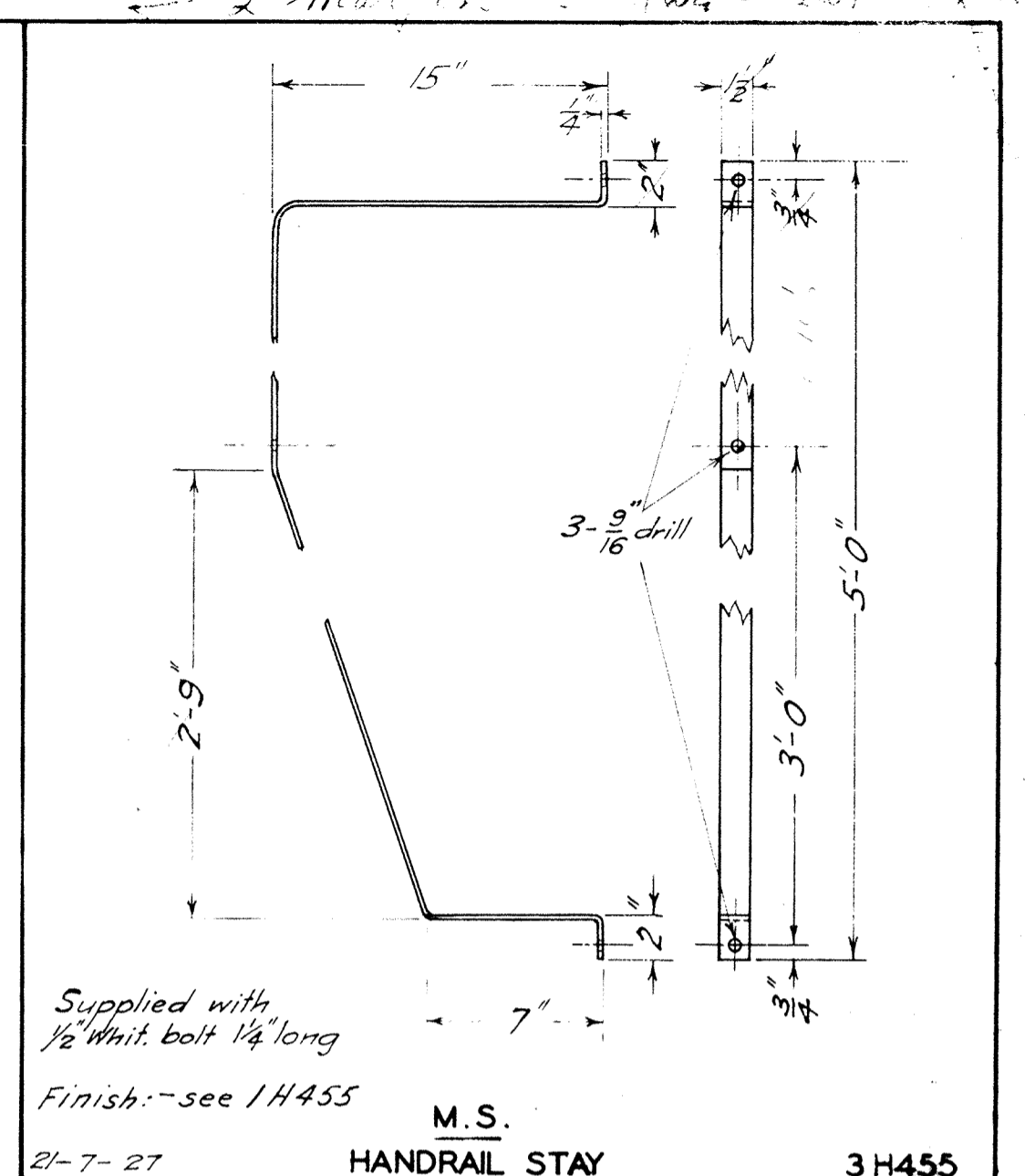
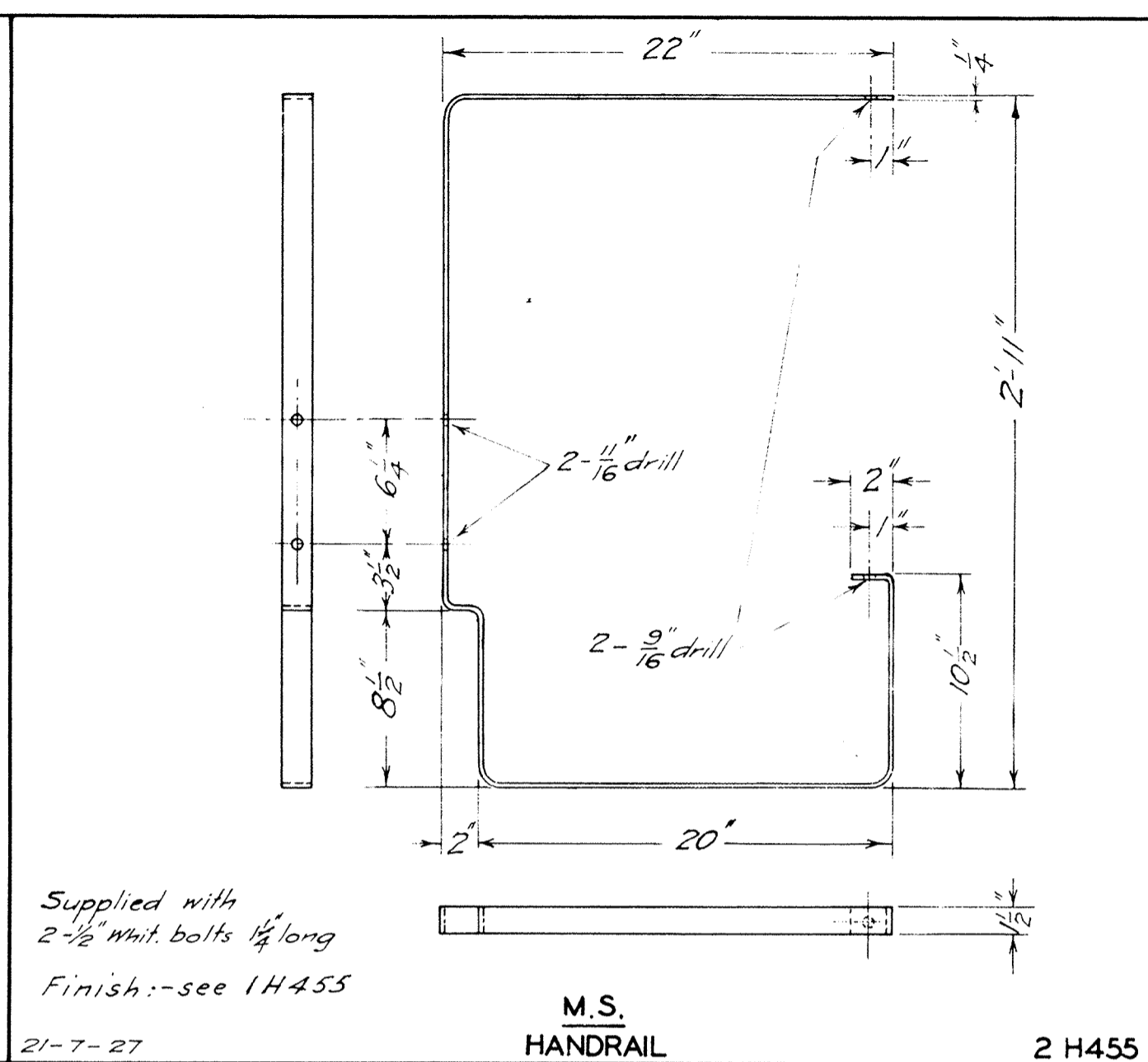
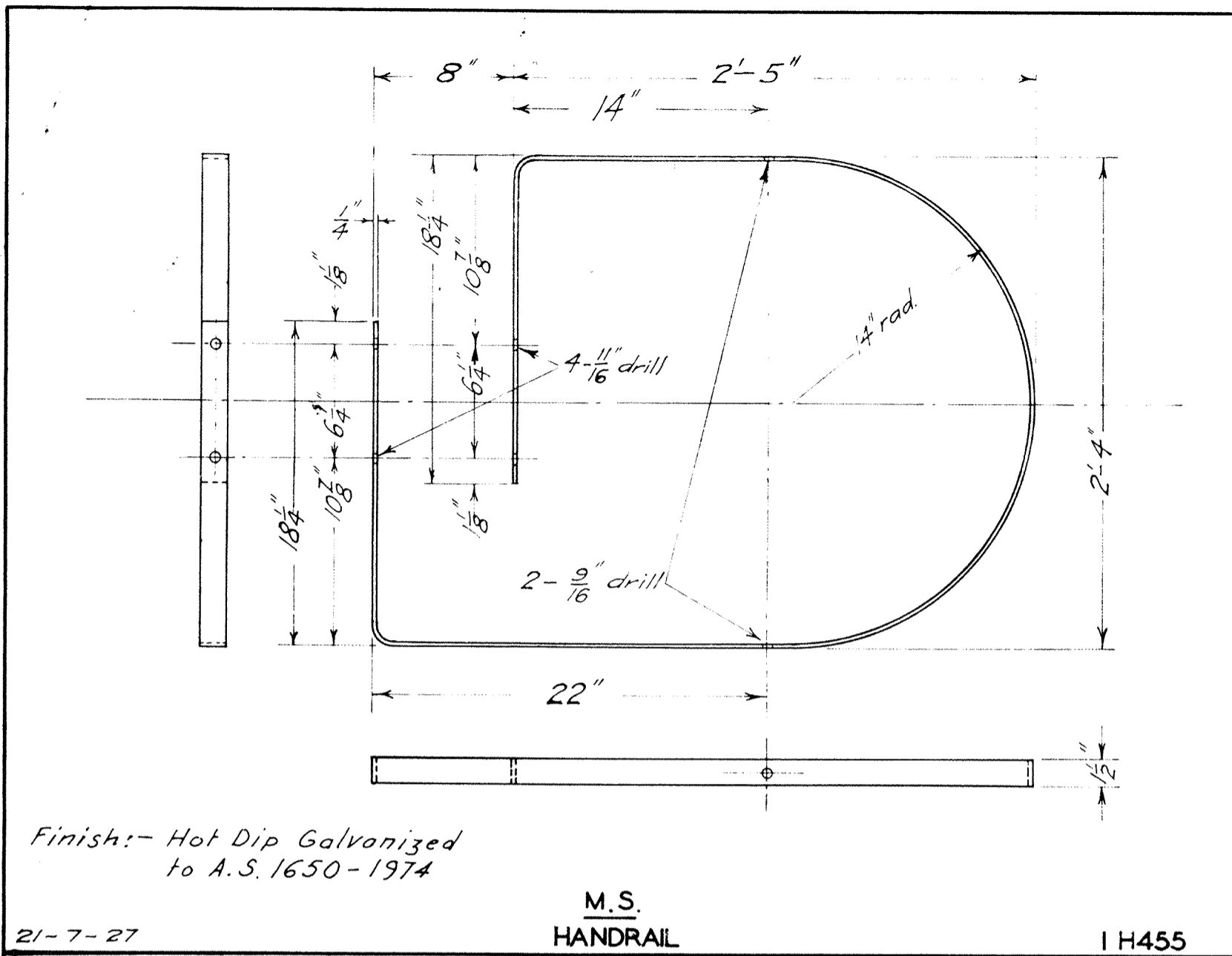
Drawn by  
 C.W.F.  
*[Signature]*

Traced by  
 C.W.F.  
*[Signature]*

H453

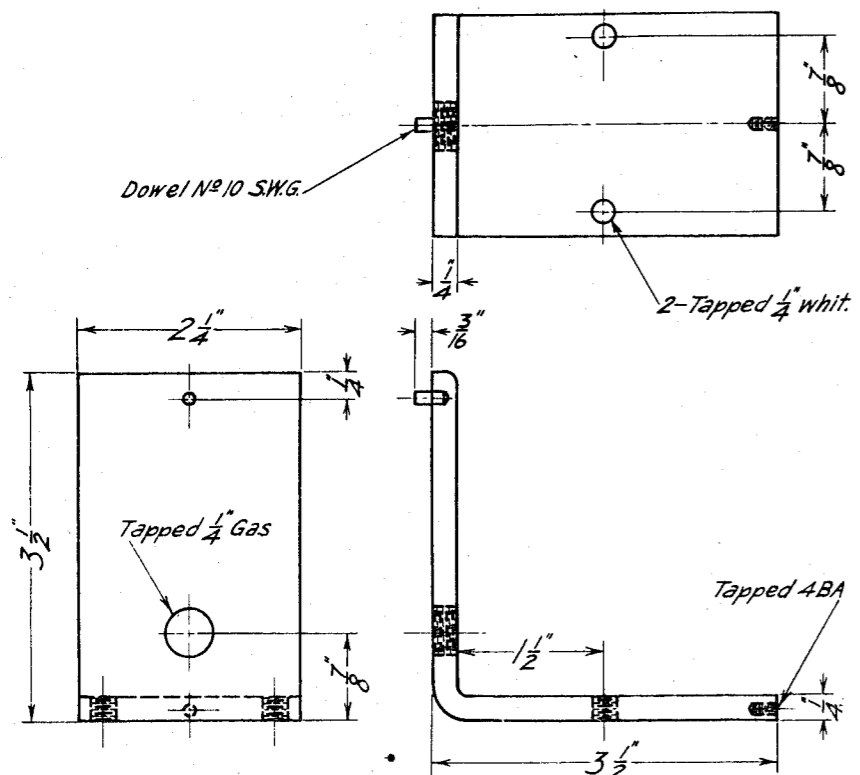
1-1-17

2" Max. ... 1/4" - 2/4"



3328 2 J3-2	B 11-2-82 A 24-5-72	VICTORIAN RAILWAYS PIPE SIGNAL MAST LANDINGS & HANDRAILS DETAILS	Chief/Eng' Sigs.&Tels.	Drawn by S.C.O.	Traced by S.C.O.
	Note: Finish: - Hot Dip Galvanized added.		PART NO 7 H455 ADDED	H 455	B

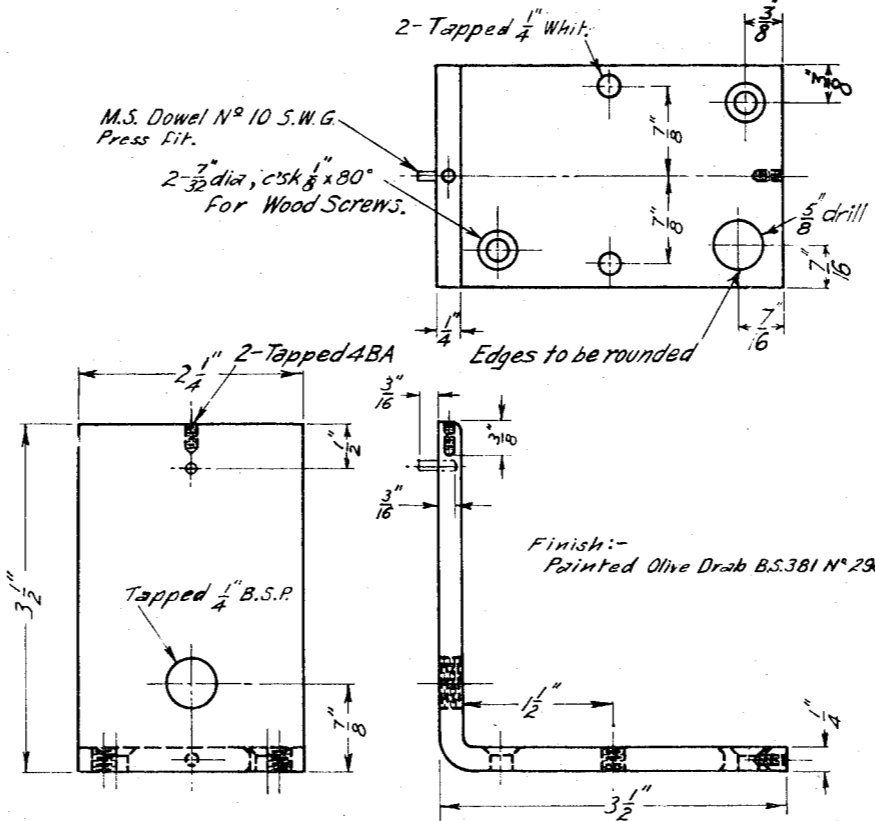
21-7-27



**SUPERSEDED BY 2H459.**  
Gummetal  
**BASE**

8-9-27

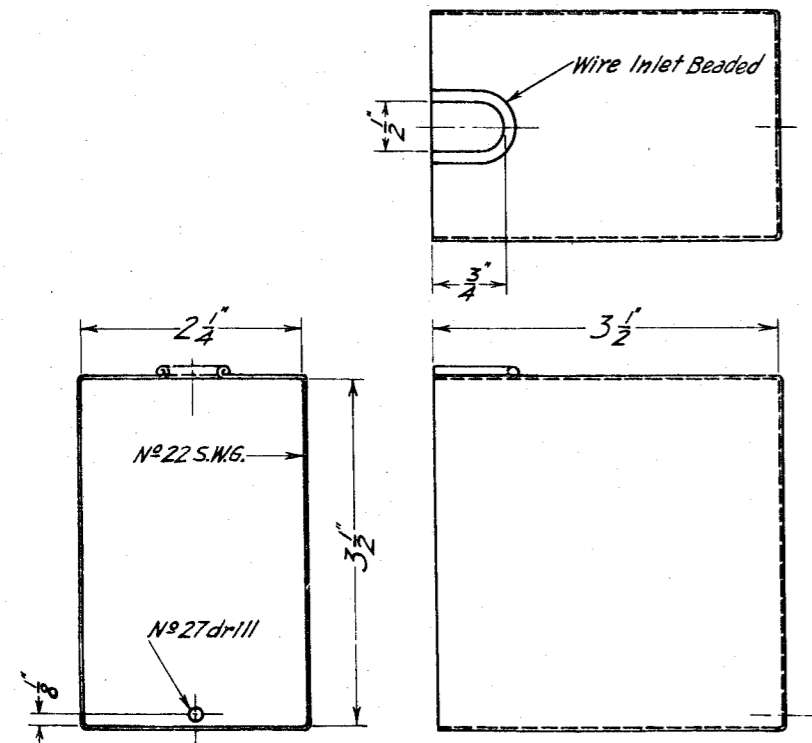
IH459



Gummetal  
**BASE**

13-5-68 Alt. 1332.  
30-6-38 Alt. 390.  
8-9-27

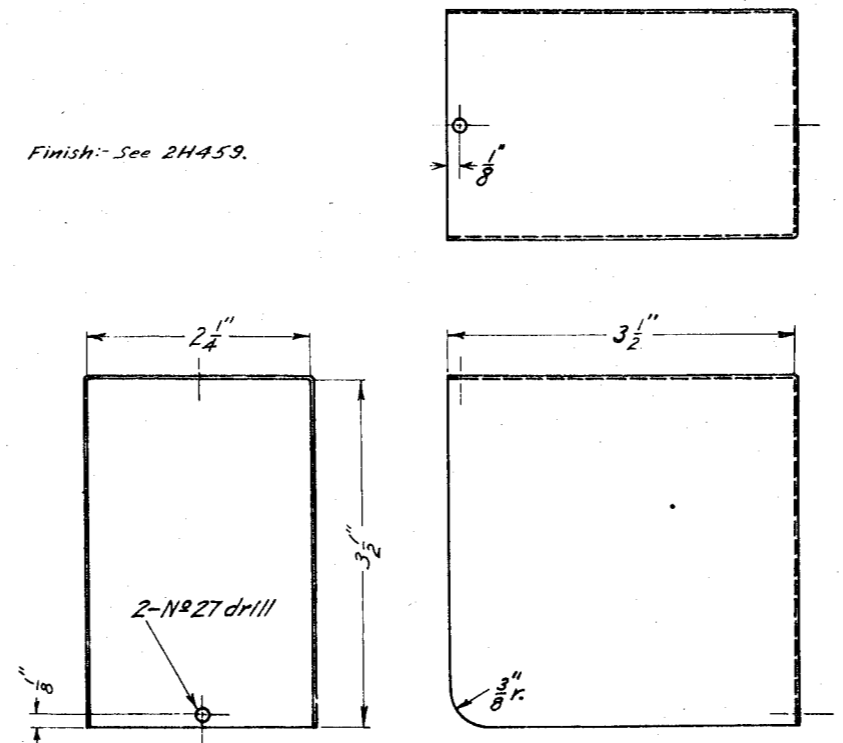
2H459



**SUPERSEDED BY 4H459.**  
Sheet Iron  
**COVER**

8-9-27

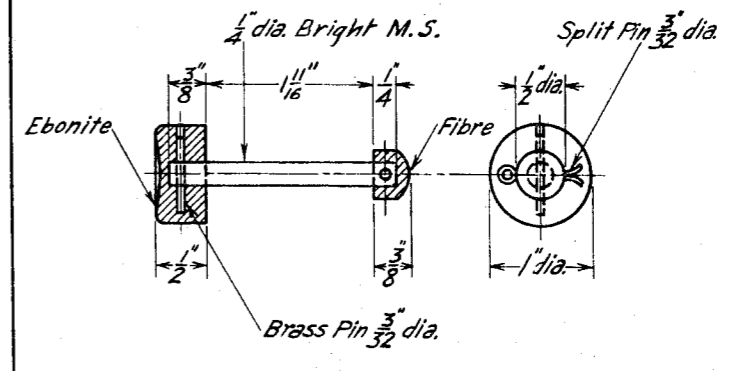
3H459



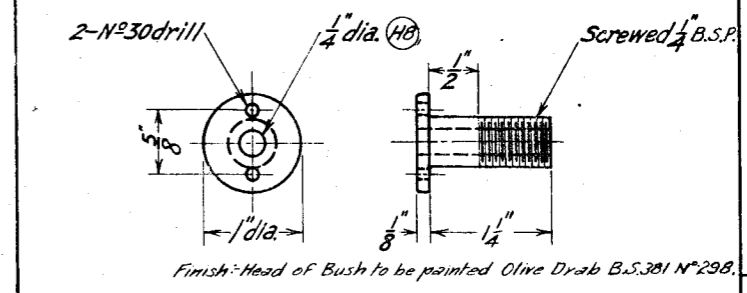
24 S.W.G. or 4X Timplat.  
**COVER**

13-5-68 Alt. 1332  
8-9-27

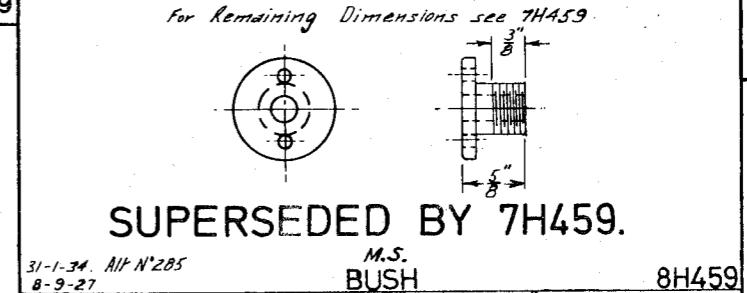
4H459



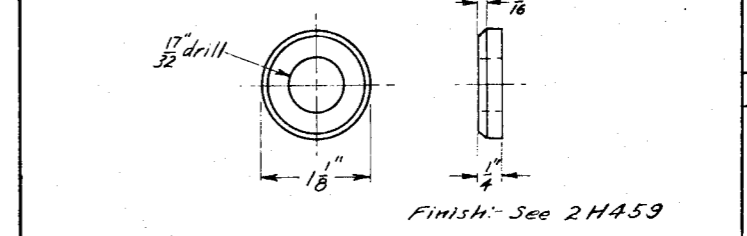
13-5-68 Alt. 1332  
8-9-27  
**PLUNGER** 5H459



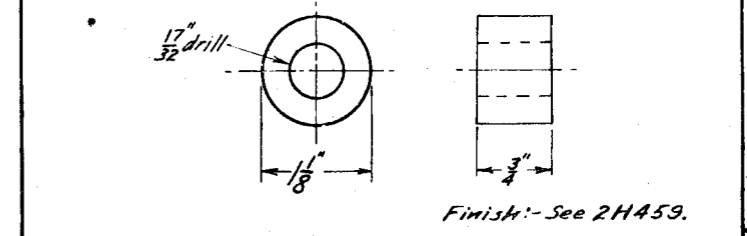
13-5-68 Alt. 1332.  
31-1-34 Alt. N° 285.  
8-9-27  
Brass.  
**BUSH** 7H459



31-1-34 Alt. N° 285  
8-9-27  
M.S.  
**BUSH** 8H459



8-9-27  
Brass.  
**DISTANCE PIECE** 9H459



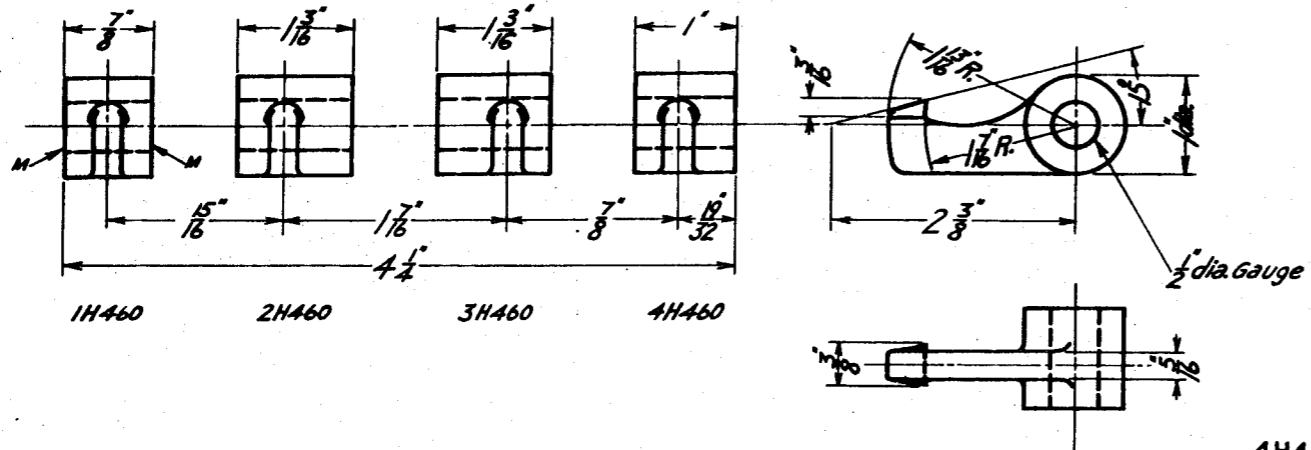
Brass  
**DISTANCE PIECE** 10H459

Chief Engr. Traced by C.W.F.  
Sigs. & Tels. C.W.F.  
VICTORIAN RAILWAYS  
SPRING PUSH BUTTON  
(110Y)  
DETAILS  
8-9-27

13-5-68  
Part N° 61459 cancelled.  
Part N° 1H459 super-seeded by 2H459  
" " " 3H459 " " 4H459  
" " " 5H459 " " 7H459  
Part N° 10H459 added.

3332  
3332  
3332

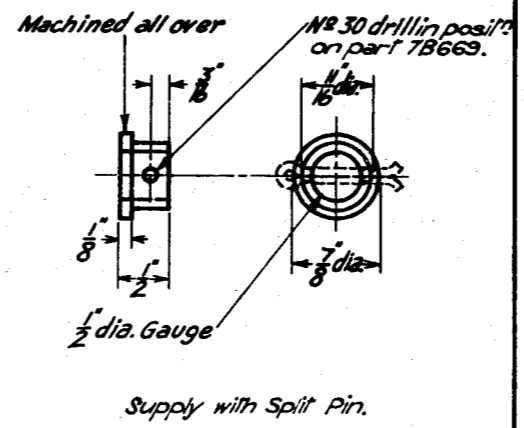
**H459**



1H460 2H460 3H460 4H460

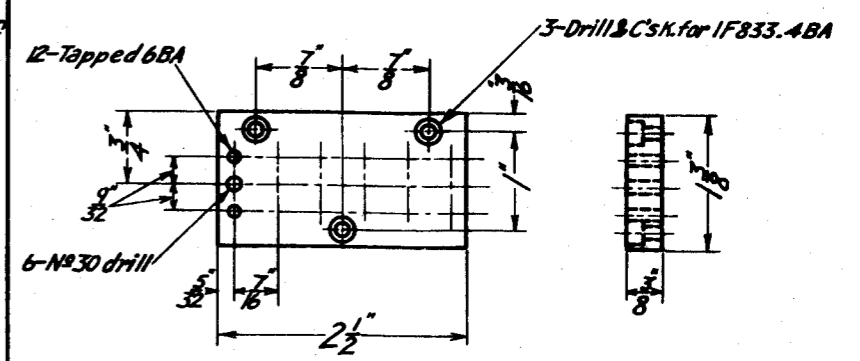
Brass  
PAWLS

3-5-28



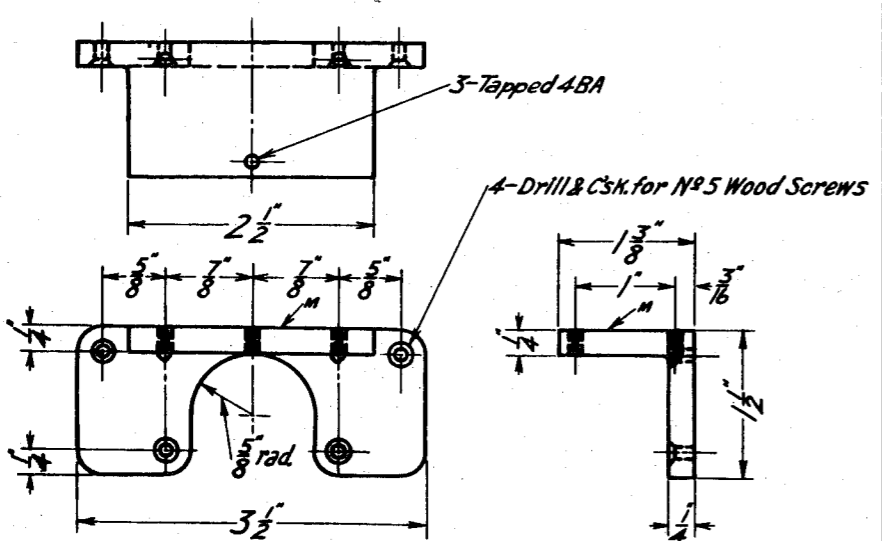
Brass  
COLLAR

3-5-28



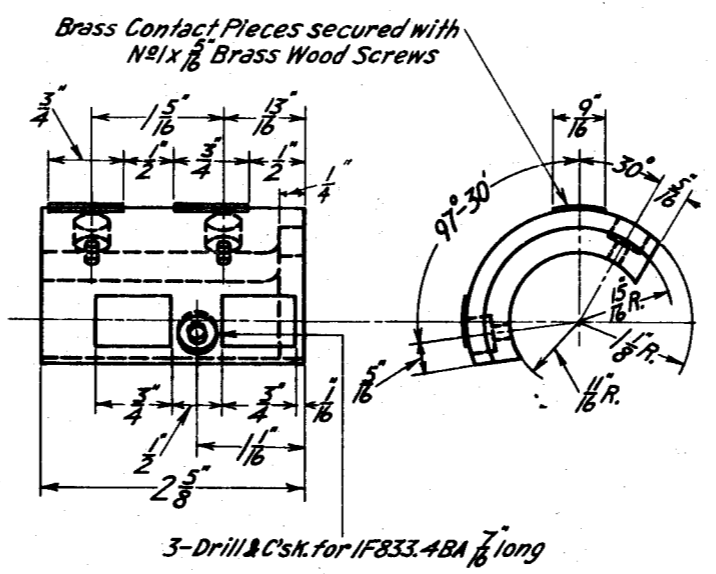
Ebonite  
INSULATING BLOCK FOR CONTACT SPRINGS

3-5-28



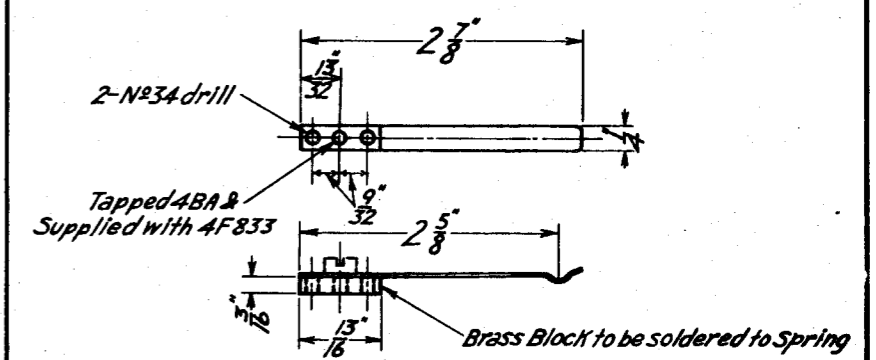
Brass  
BRACKET FOR CONTACT SPRING

3-5-28



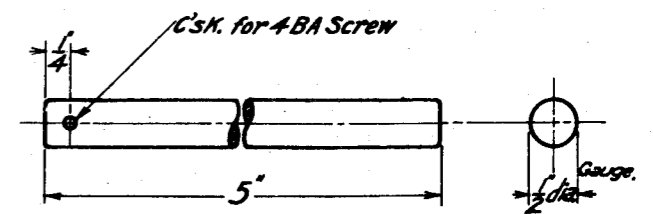
Jarrah  
CONTACT SADDLE

3-5-28



Ph. Bronze 21 S.W.G  
CONTACT SPRING

3-5-28



M.S.  
SHAFT FOR PAWLS

3-5-28

10H460

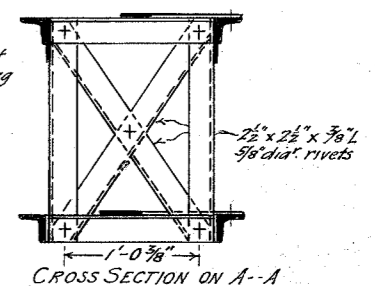
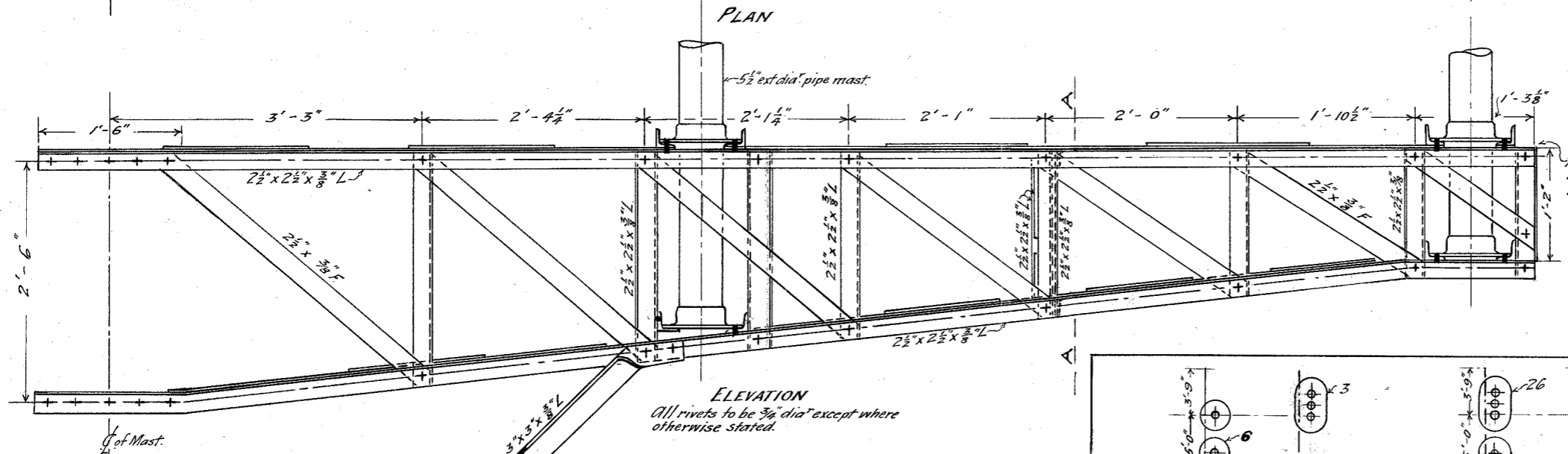
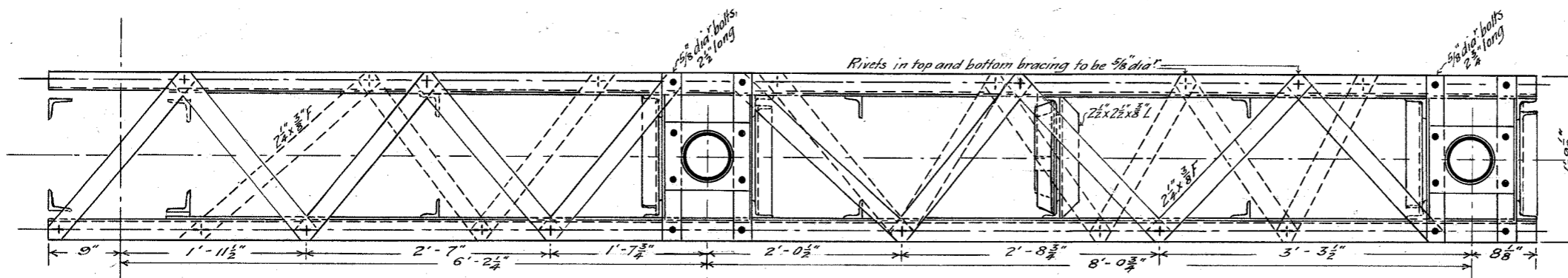
RECORD PLAN  
R 3333  
NEW SERIES  
2/11/27

J.B.2

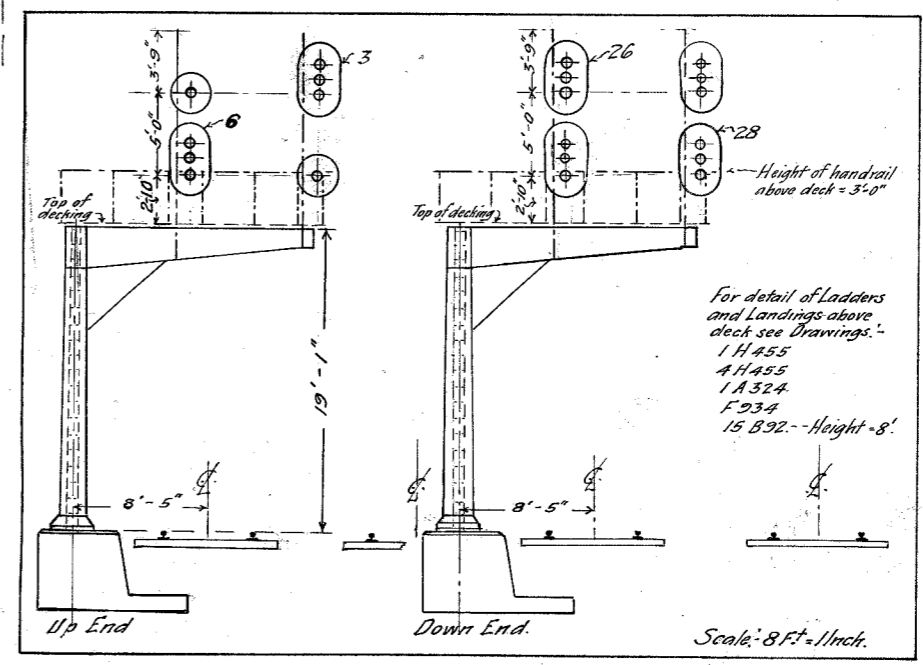
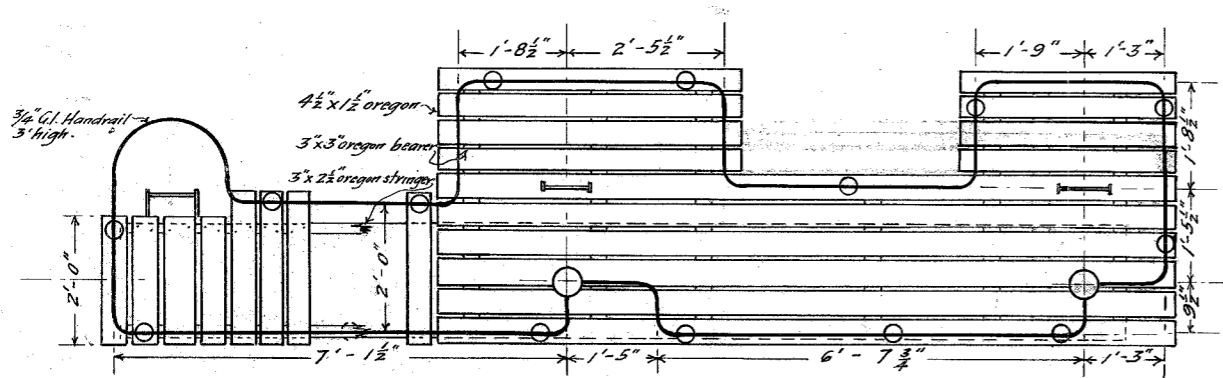
Redrawn & Renumbered.  
Original under  
M.S. & R.M.T  
dated 4-1-19

VICTORIAN RAILWAYS  
STAFF SWITCH BOX  
MINIATURE STAFF  
DETAILS  
TYPE "A" 3-5-28

Chief Engr  
Sign & Title  
C.W.F.  
Traced by  
C.W.F.  
H460



For detail of Mast and Foundations see Dr. N 243. Height above Rail level = 19'



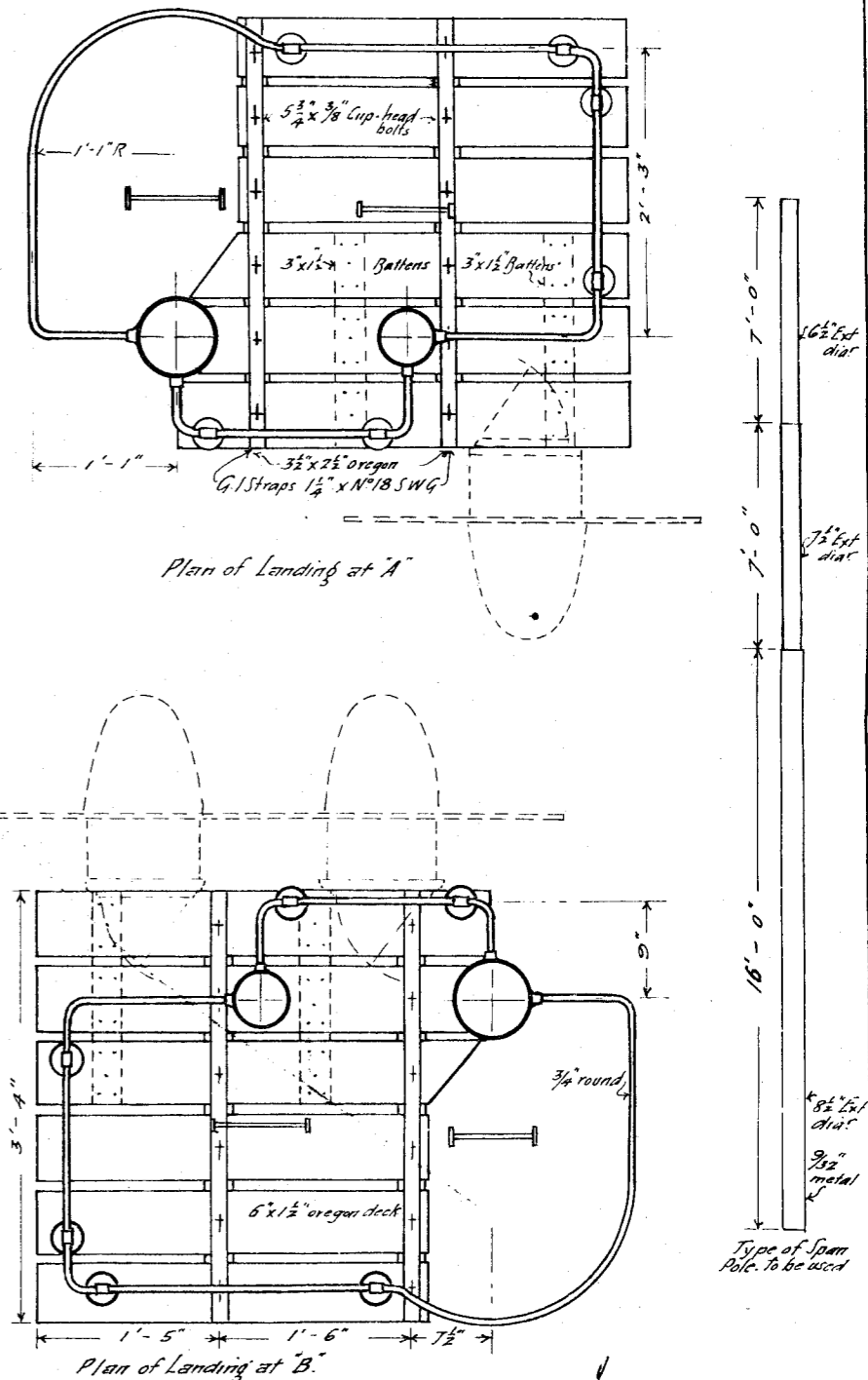
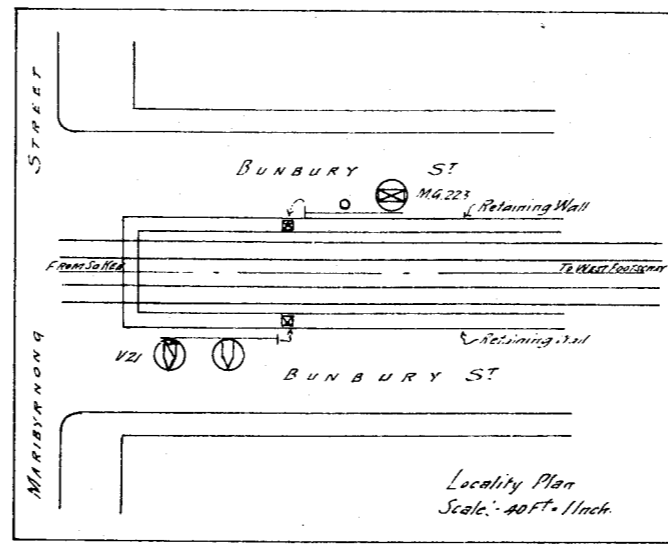
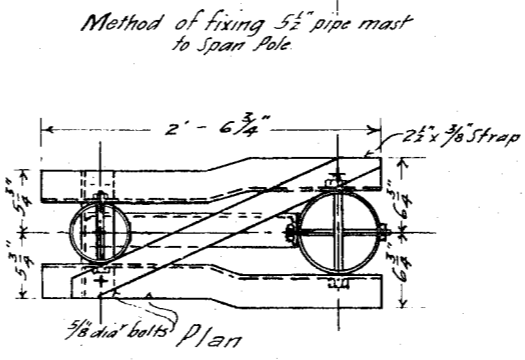
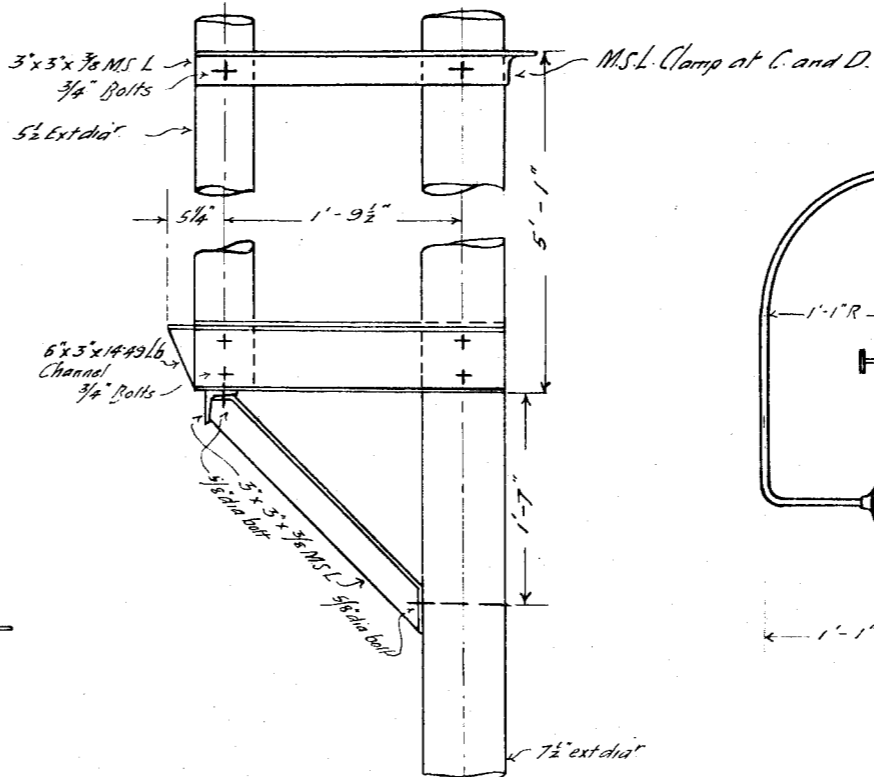
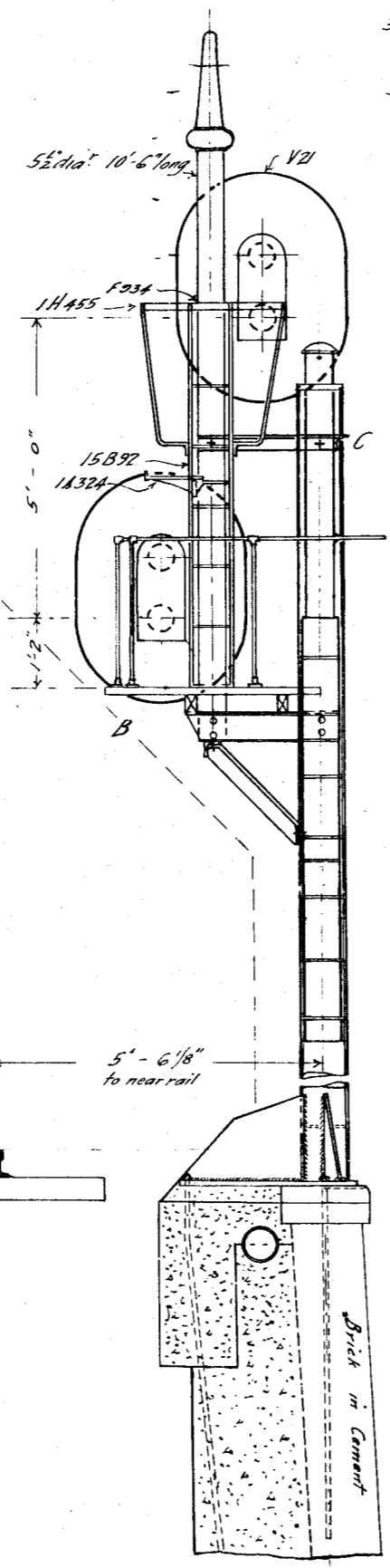
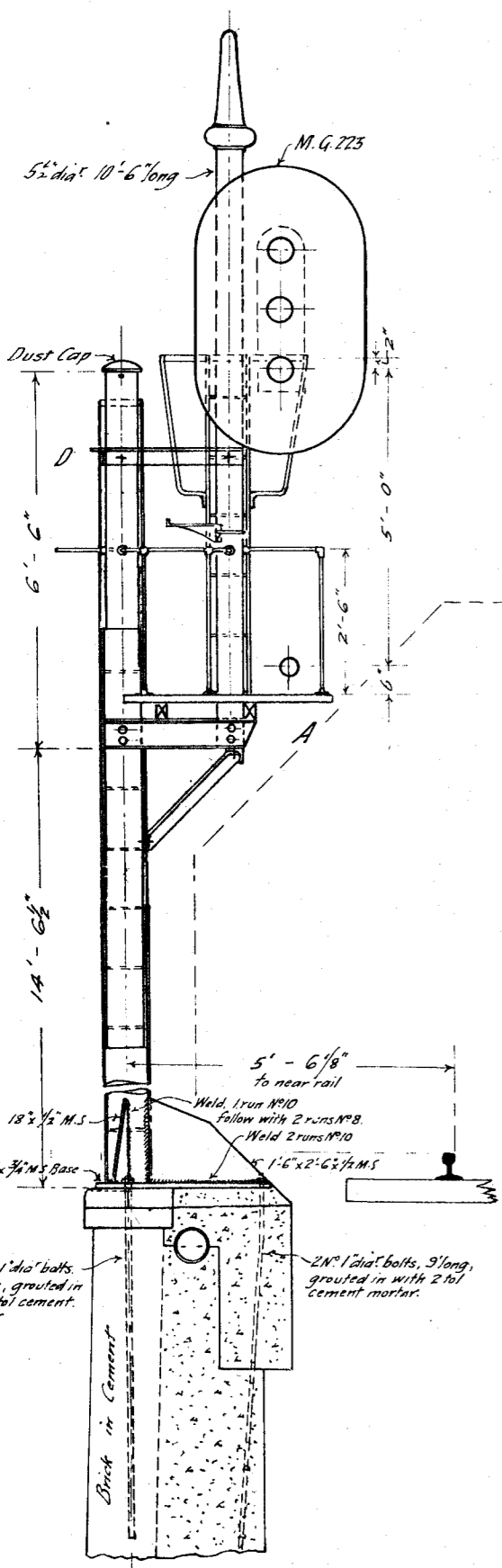
RECORD PLAN  
3338  
NEW SERIES  
DATE 2/12/37

J-3-2

1 In Service	8-2-59	3-12-59
Arrangement of Light units altered s/c Dupl. of line.		
LRA	RAZ	W. B. P. B.E.

VICTORIAN RAILWAYS  
CORIO  
CANTILEVER SIGNALS  
Location: - 194 yds from Sig Bay (Up End) Corio.  
" 188 yds " " (D. End) Corio  
Scales: - 1/2" & 1" = 1 FT. 8-12-27.

Chief Eng. of Sig. & Tel.	Drawn by	Traced by
	A.S.G.	
<b>H466</b>		

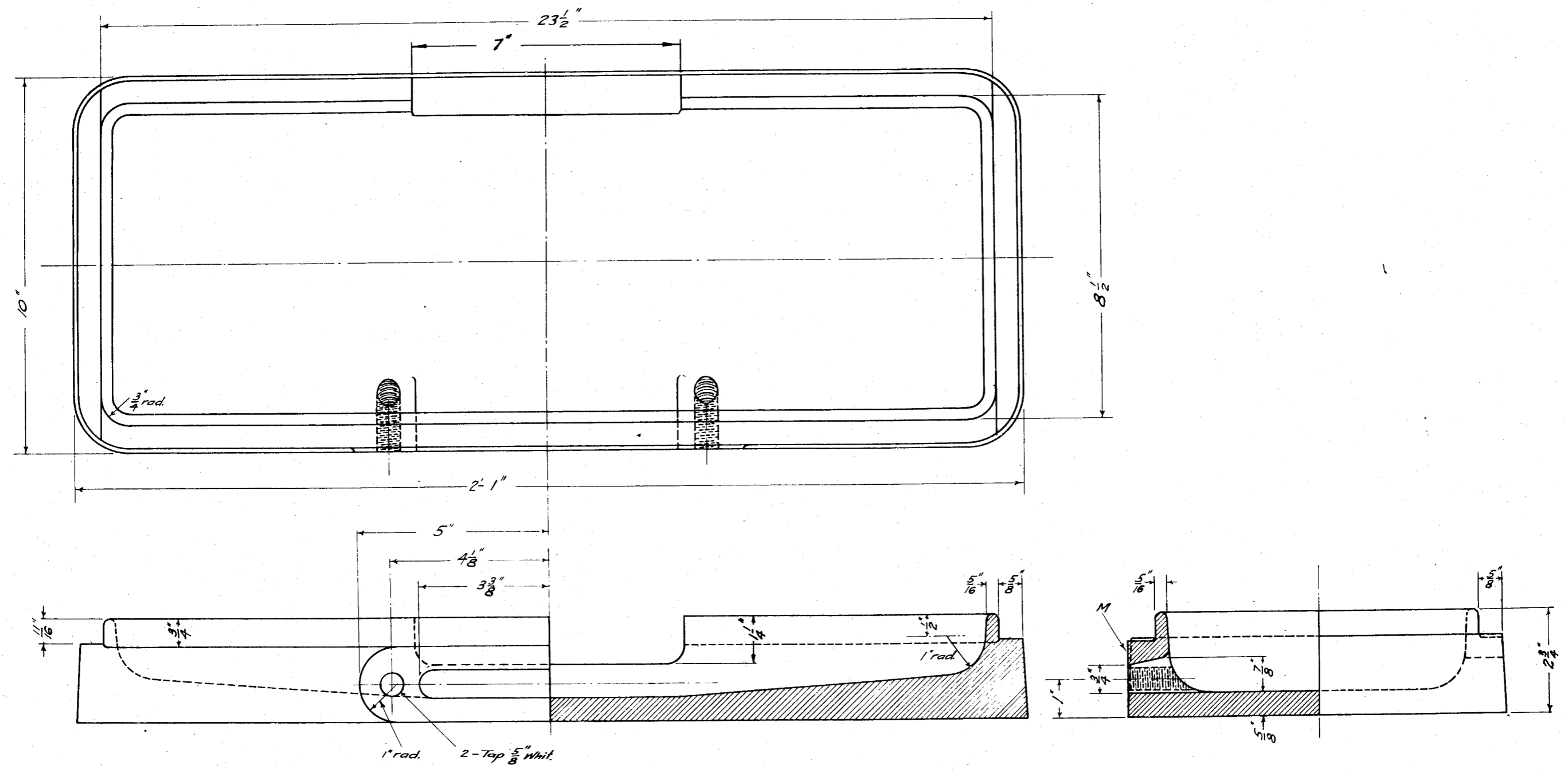


VICTORIAN RAILWAYS		
ST <sup>H</sup> KENSINGTON - WEST		
FOOTSCRAY. GOODS LINES.		
Bracket Signals on Retaining		
Wall at Bunbury Street.		
Scales: - 2" & 1" = 1 FT		
14-4-28		

Chief Eng. S. J. P. T. L.  
Drawn by J. S. G.  
Traced by

H474

← 2" margin 7WP 787



Supplied with 2 - 5/8" Setscrews 2" long (Gunmetal)

C.I.  
BASE

IH476

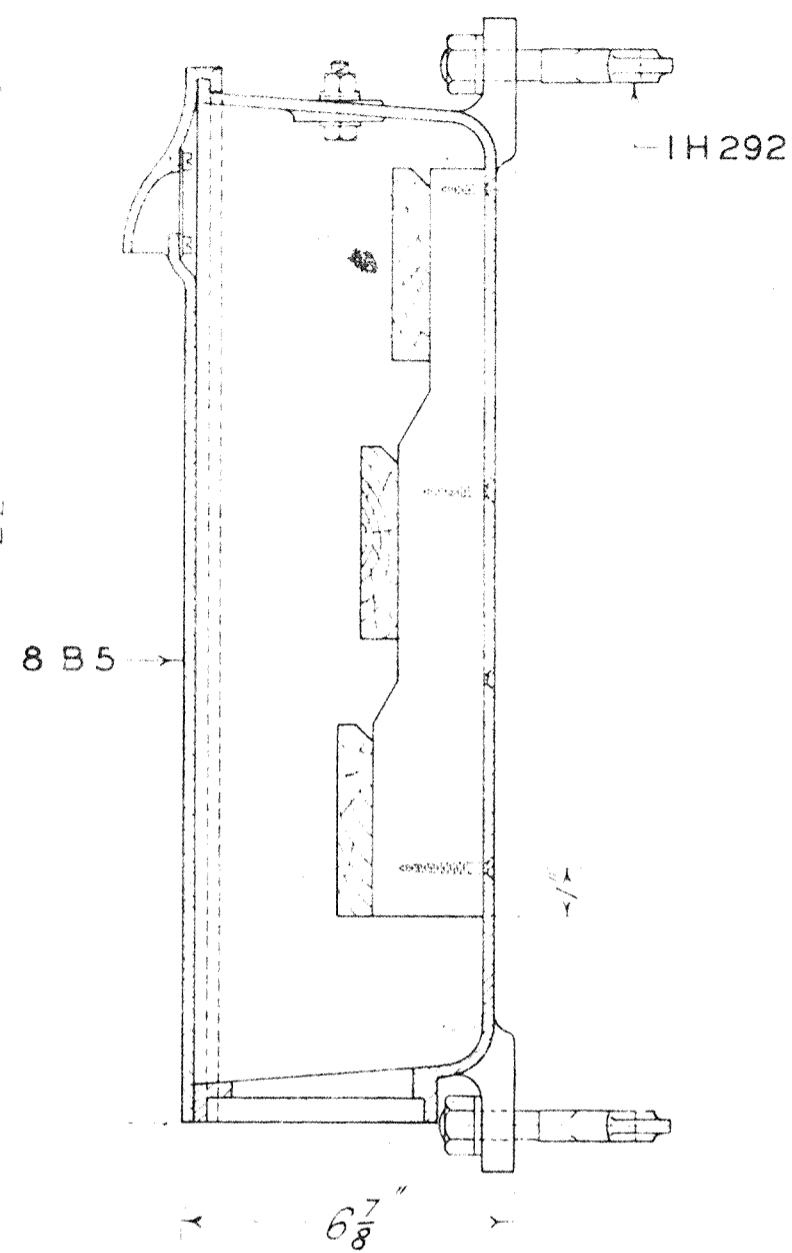
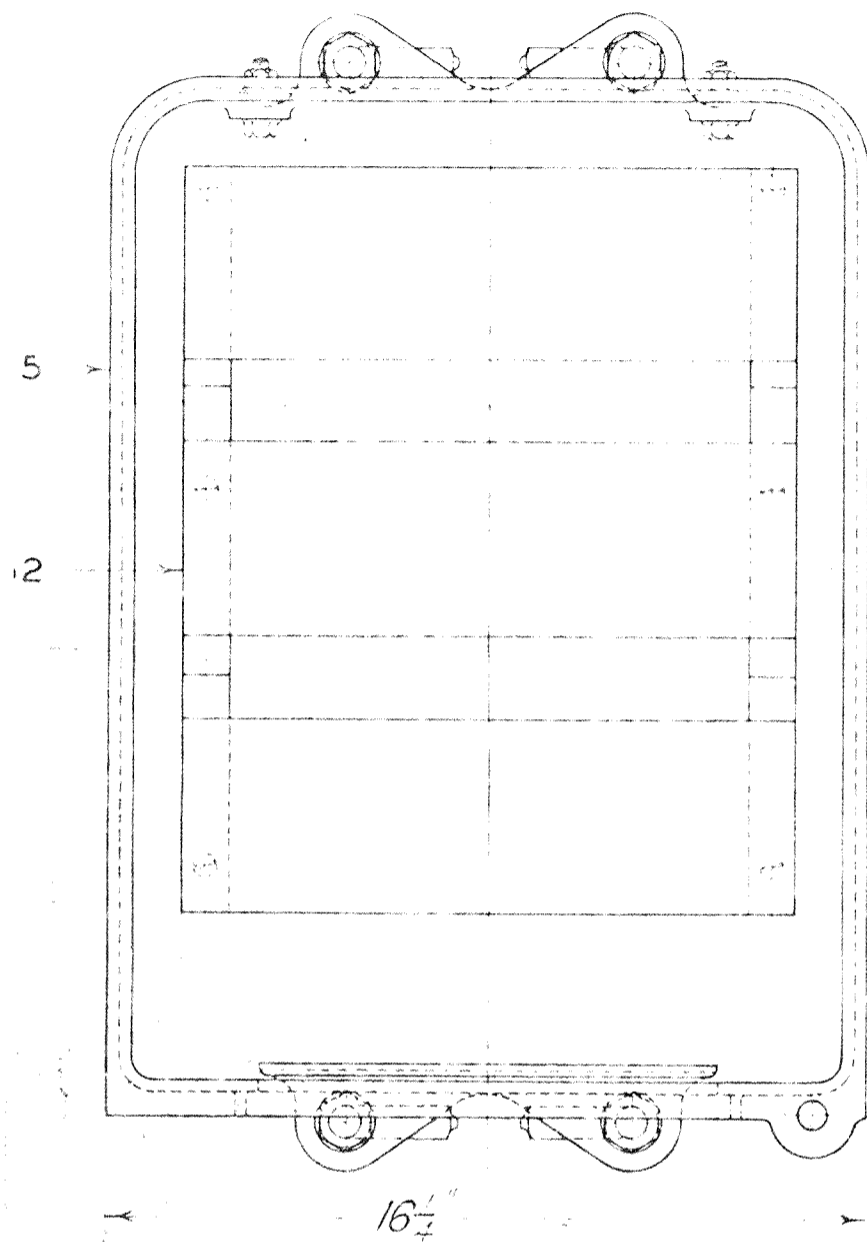
5-5-28  
3346  
2 12 37  
J 3-2

6-8-97  
Alteration  
N° 651.  
R.M.D.

VICTORIAN RAILWAYS  
GATE STOP  
TYPE "C"  
DETAIL OF BASE

Chief Engr. Sigs & Tels.	Drawn by S.C.O.	Traced by S.C.O.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
<b>H 476</b>		

5-5-28

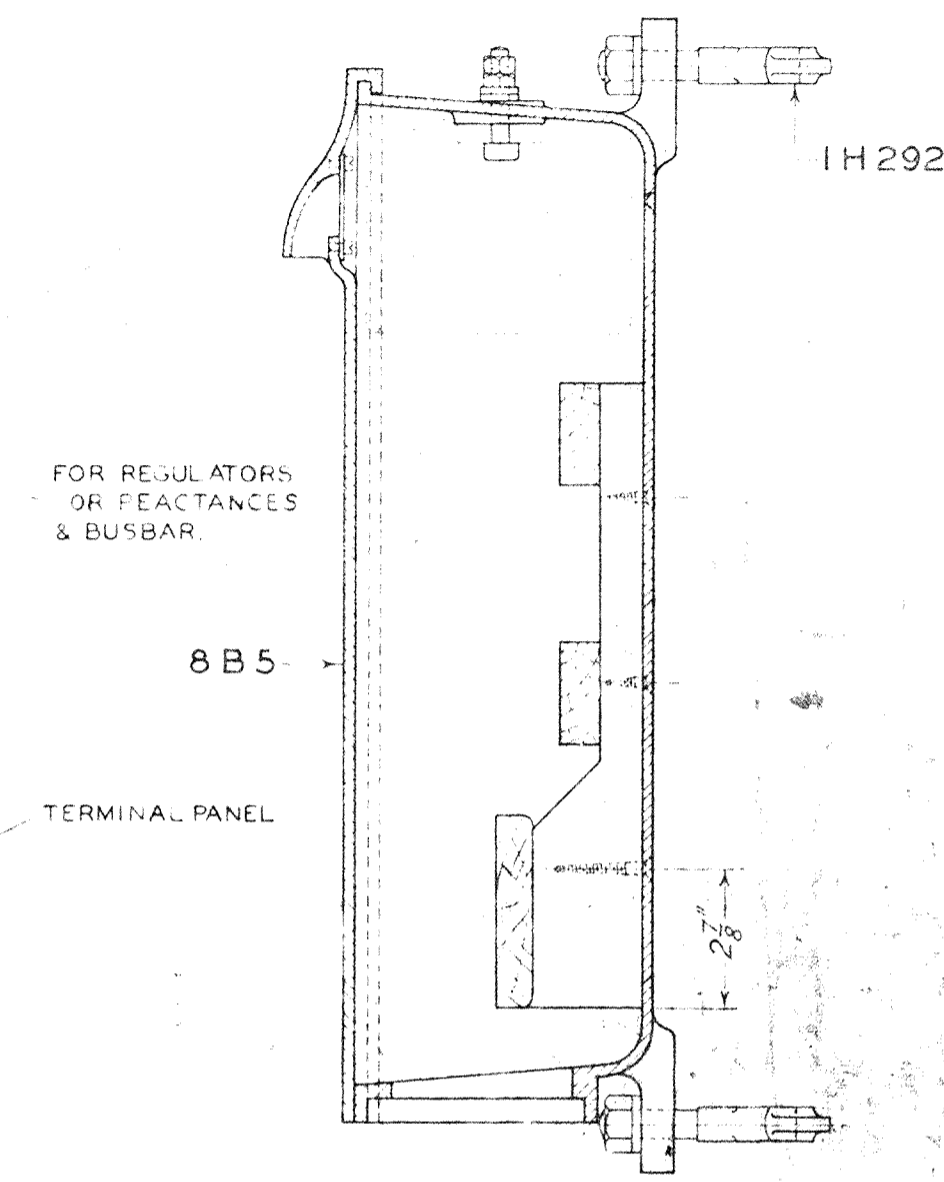
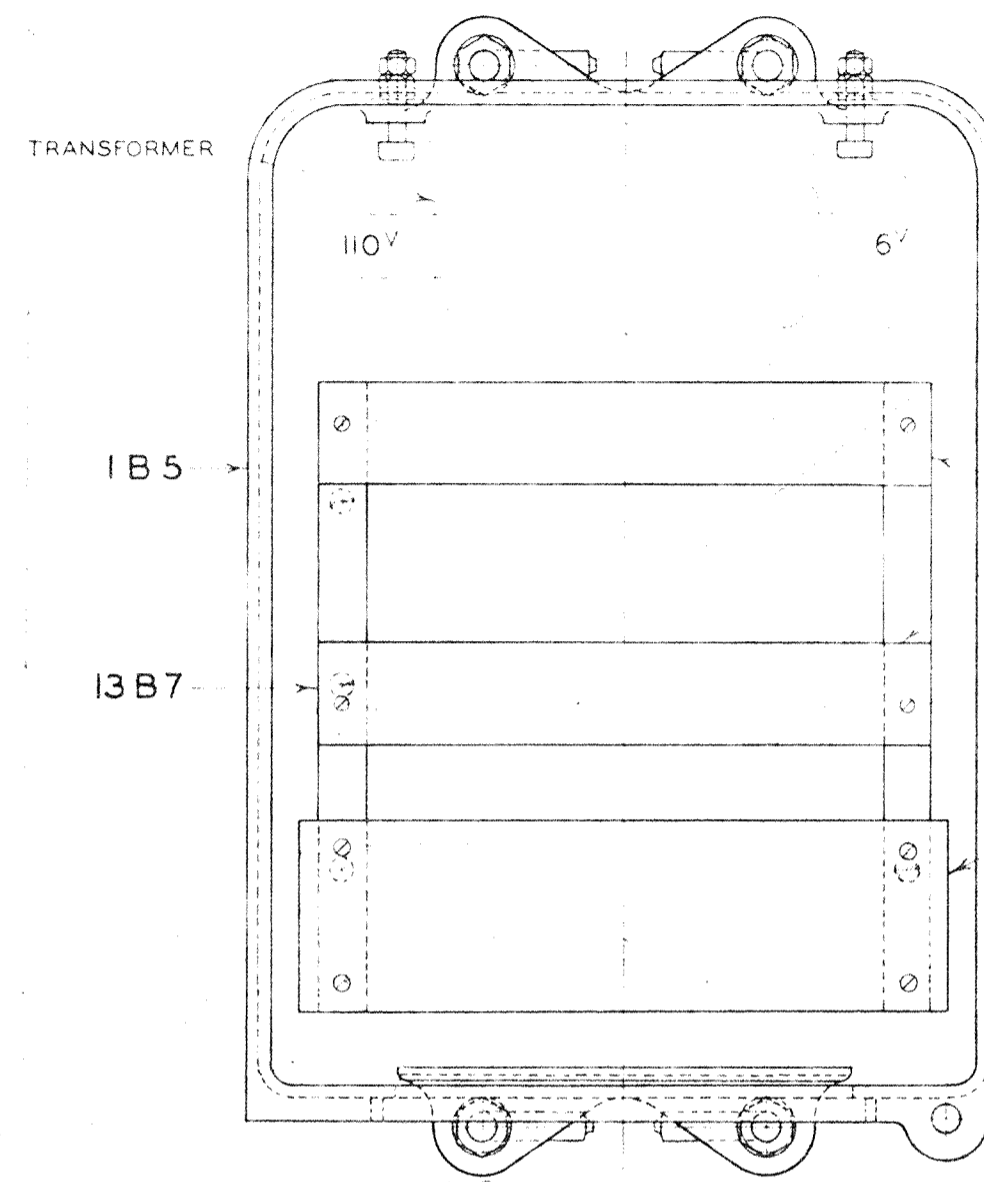


BOX WITHOUT TERMINAL PANEL 3H531  
JUNCTION TERMINAL BOX COMPLETE 1H531

No	NAME	MATERIAL	QUANTITY	
			1H531	3H531
1B5	Case	C.I.	1	1
8B5	Cover	C.I.	1	1
6B382	Panel	Wood	1	-
1H292	Hook Bolt X=4" Y=1 1/2"	M.S.	4	4
Stock	N°10 Csk. Wood Screws 1" "	Iron	2	-
"	" " " " 1 1/2" "	"	2	-
"	" " " " 2" "	"	2	-
"	3/8 Bolt 1 1/4" long with washer	M.S.	2	2
"	3/8 Washer	Lead	4	4

Terminals-A2 to be ordered separately as required

BOX WITHOUT TERMINAL PANEL 3H531  
JUNCTION TERMINAL BOX COMPLETE 1H531



TRACK FEED BOX COMPLETE 2H531

No	NAME	MATERIAL	QUANTITY
1B5	Case	C.I.	1
8B5	Cover	C.I.	1
13B7	Panel Support	Wood	1
1H292	Hook Bolt X=4" Y=1 1/2"	M.S.	4
Stock	3/8 Bolt 2" long with Lock Nut & Washer	M.S.	2
"	3/8 Washer	Lead	2
"	N°10 Csk. Wood Screws 1" long	Iron	4
"	" " " " 2" "	"	2

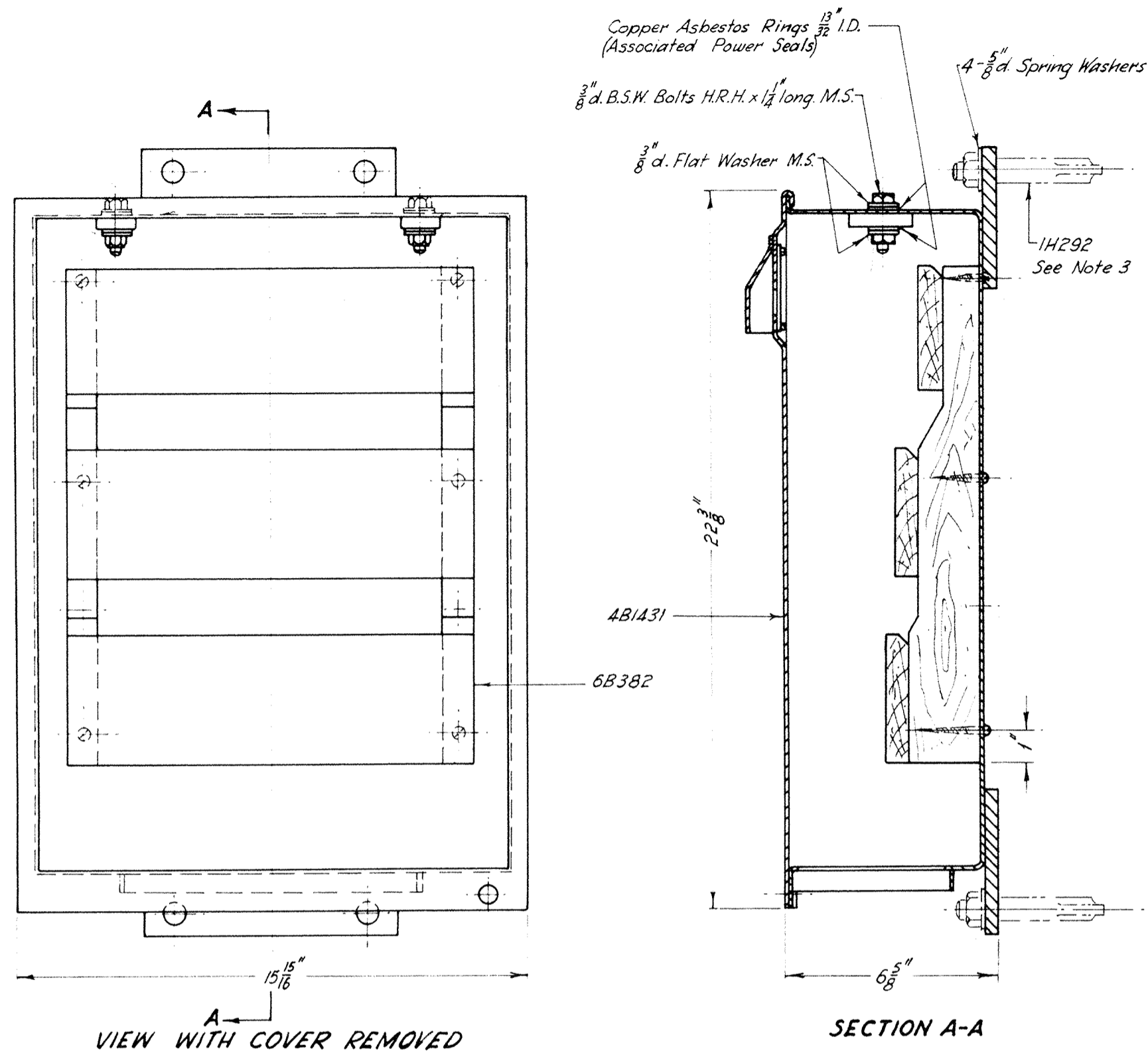
The following are to be ordered separately as required:-

- Regulator Panel-5B125
- Reactance Unit.
- (Maximum capacity of Box - 4 Regulator Panels or 3 Reactance Units)
- Fuses-1T70, Resistances-F1956
- 110° 6V Transformer
- Negative Bus Bar (Terminal Block 1F1527 & Connectors 1F134 to suit)
- Terminals-A2

BOX WITHOUT TERMINAL PANEL 3H531  
TRACK FEED BOX COMPLETE 2H531

J 3-3	1	6-7-53	7-1-44	VICTORIAN RAILWAYS JUNCTION TERMINAL BOX & TRACK FEED BOX ASSEMBLIES FOR INSULATED WIRE SCALE: 3" = 1'-0" (12-11-29)	Chief Eng: Sigs & Tels. <i>[Signature]</i>	Drawn by ECM <i>[Signature]</i>	Traced by ECM <i>[Signature]</i>	
	Part N° 3H531 added.		ALTERATION N° 539.					SUPERSEDES B54, B96, B125 (PARTS 1,2,3&4)
	<i>[Signature]</i>		J.G.M.					<b>H 531</b>





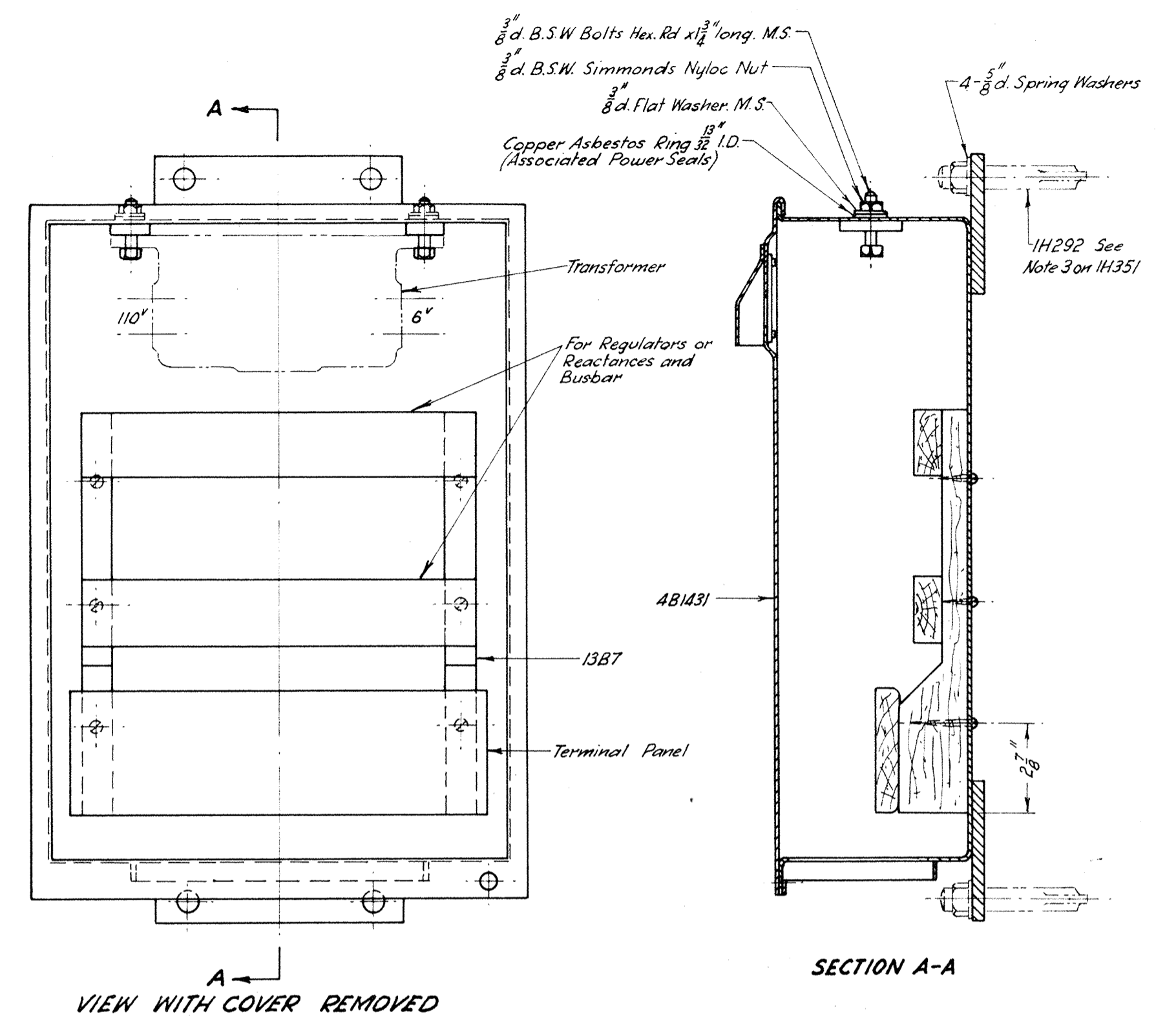
TERMINAL JUNCTION BOX-COMplete-IH531

PART N <sup>o</sup>	NAME	M'T'L	Q'T'Y
4B1431	Track Feed Box	M.S.	1
6B382	Panel	Wood	1
Stock	3/8 d. B.S.W. Bolt H.R.H. x 1 1/2 long.	M.S.	2
"	3/8 d. Flat Washer.	M.S.	4
"	Copper Asbestos Rings 1 3/8 I.D.	-	4
"	N <sup>o</sup> 10 Gauge Rd. Hd. Woodscrews. 2" long.	M.S.	2
"	N <sup>o</sup> 10 Gauge Rd. Hd. Woodscrews. 1 1/2" long.	M.S.	2
"	N <sup>o</sup> 10 Gauge Rd. Hd. Woodscrews. 1" long.	M.S.	2

See Note 2.

- NOTES:-
1. Terminals, AR to be ordered separately as required.
  2. Reclaimed Track Feed Box (1B5-Case, 8B5-Cover) may be used.
  3. Hook Bolts 1H292 or Special U' Bolts (prg F2228) & Spring Washers to be ordered separately as required.

IH531



TRACK FEED BOX-COMplete-2H531

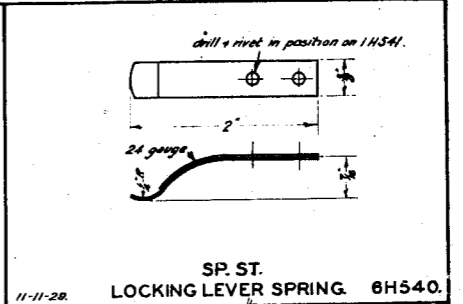
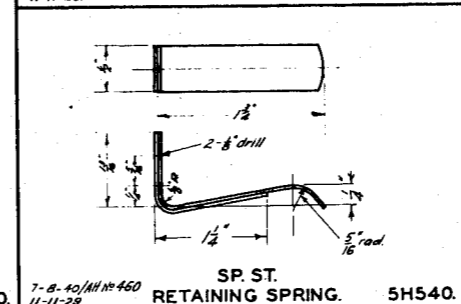
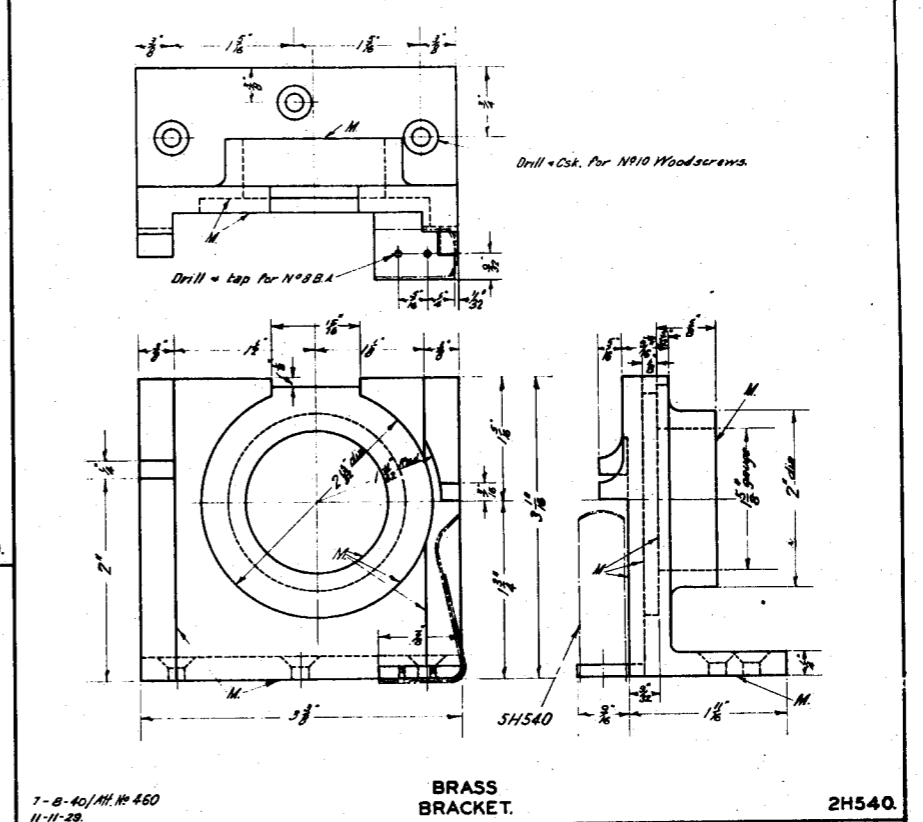
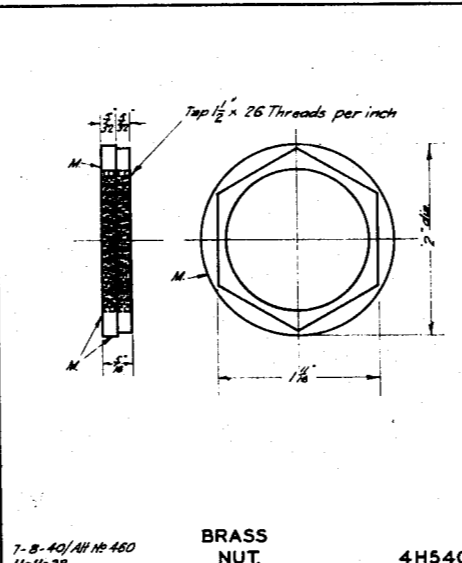
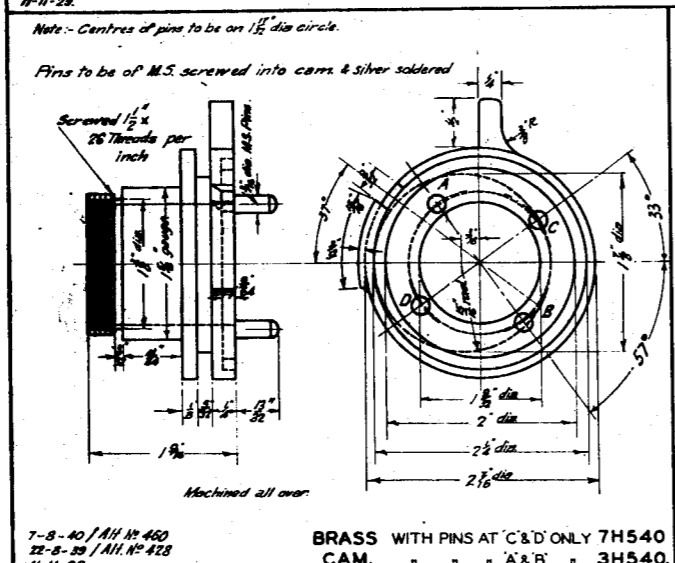
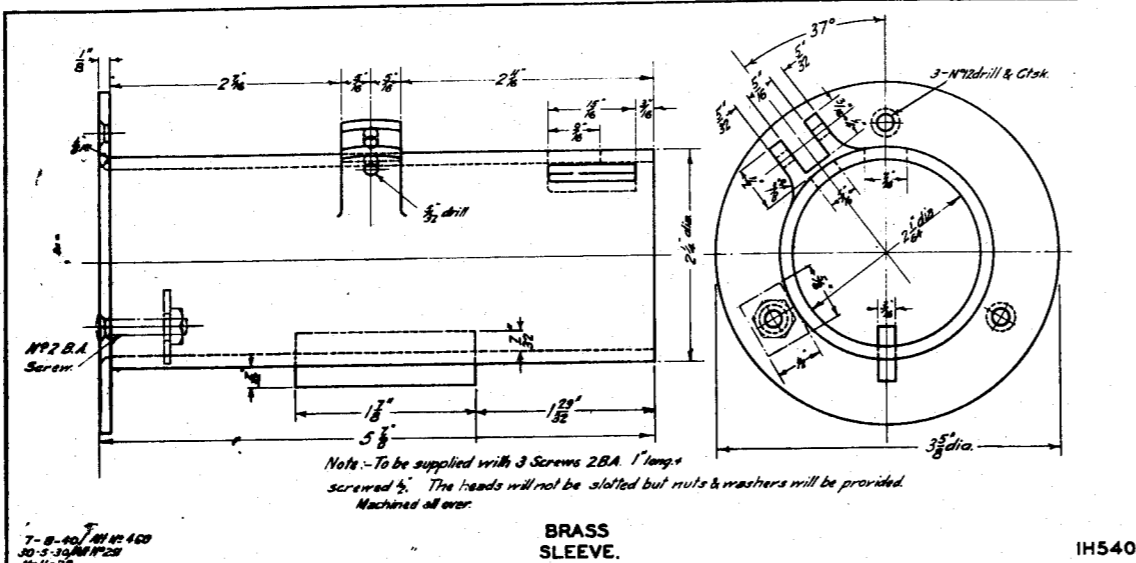
PART N <sup>o</sup>	NAME	M'T'L	Q'T'Y
4B1431	Track Feed Box	M.S.	1
13B7	Panel Support	Wood	1
Stock	3/8 d. B.S.W. Bolts Hex. Rd. x 1 3/4 long.	M.S.	2
"	3/8 d. Flat Washer	M.S.	2
"	Copper Asbestos Rings 1 3/8 I.D.	-	2
"	N <sup>o</sup> 10 Gauge Rd. Hd. Woodscrews. 2" long.	M.S.	2
"	N <sup>o</sup> 10 Gauge Rd. Hd. Woodscrews. 1" long.	M.S.	4
"	3/8 d. B.S.W. Simmonds Nyloc Nut	-	2

See Note 2 on 1H351

- NOTE:-
- The following are to be ordered separately as required:-  
 Regulator Panel - 5B125  
 Reactance Unit  
 (Maximum capacity of Box - 4 Regulator Panels or 3 Reactance Units.)  
 Fuses - 1T70, Resistances - F1956  
 110"-6" Transformer.  
 Negative Bus-bar (Terminal Block 1F1527 and Connectors 1F134 to suit)  
 Terminals AR

2H531

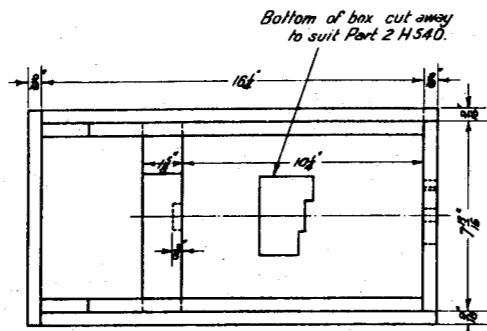
For Metal Panel Assembly See A1768	Redrawn & Revised Original under same N <sup>o</sup> & fitted Junction Terminal Box & Track Feed Box - Assemblies for Insulated Wires Dated 12-11-29	VICTORIAN RAILWAYS		DRG & TEL ENGINEER	DRAWN BY L.C.E.	TRACED BY L.C.E.
	3 <sup>rd</sup> ANGLE PROJECTION	BOX		Kate	30	YES
Scale: 3" = 12"		TRACK FEED & TERMINAL JUNCTION		H531		
				15-9-61		



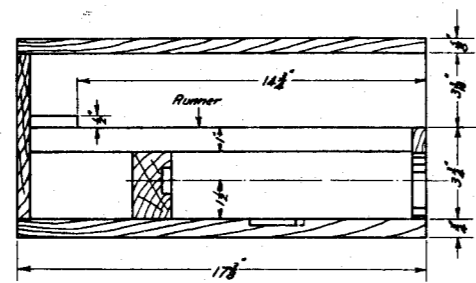
R 3408  
J 3-3

18-11-40 Part 7H540 added. MVB KCNC	VICTORIAN RAILWAYS TICKET BOX FOR DIVIDED ELECTRIC STAFF DETAILS 11-11-29.	CHIEF ENG. SIGS&TELS DRAWN TO SAMPLE TRACED BY W.S.E. H540
---	--	---



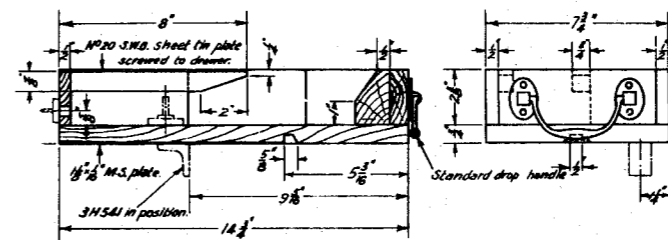
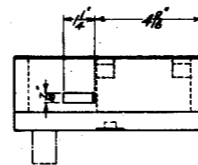
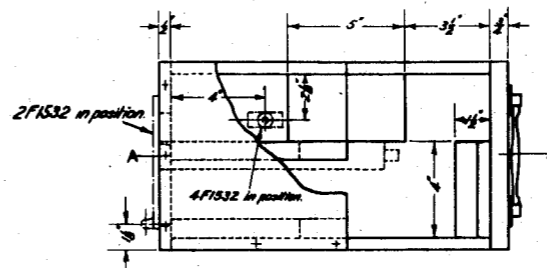
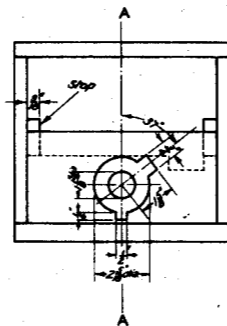


PLAN (LID REMOVED)



SECTION ON A-A

Box to be painted red or blue as required.



SECTION ON A-A

Front of drawer painted red or blue as required.

7-8-40/All No 460  
11-11-28

BOX COMPLETE

IH542

7-8-40/All No 460  
30-5-30/All 251  
11-11-28

DRAWER COMPLETE

2H542

RECORDED  
INDEXED  
R3410  
73-3

VICTORIAN RAILWAYS  
TICKET BOX  
FOR DIVIDED ELECTRIC STAFF  
DETAILS  
11-11-28

CHEF ENGR. DRAWN FROM	TRACED BY
SIG&TELS. SAMPLE	P.J.D.
<b>H542</b>	

MICRO-DATA

1:25 METRES AND FEET

1:20 METRES AND FEET

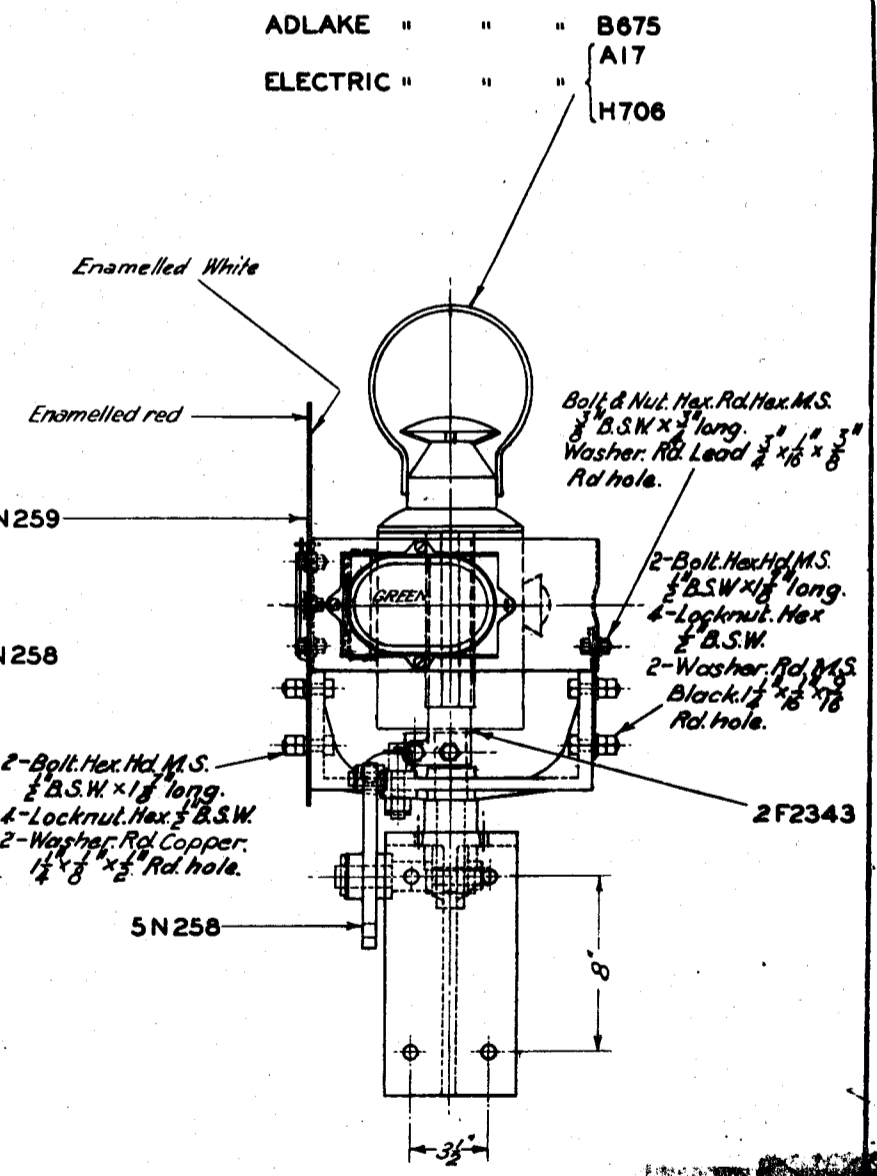
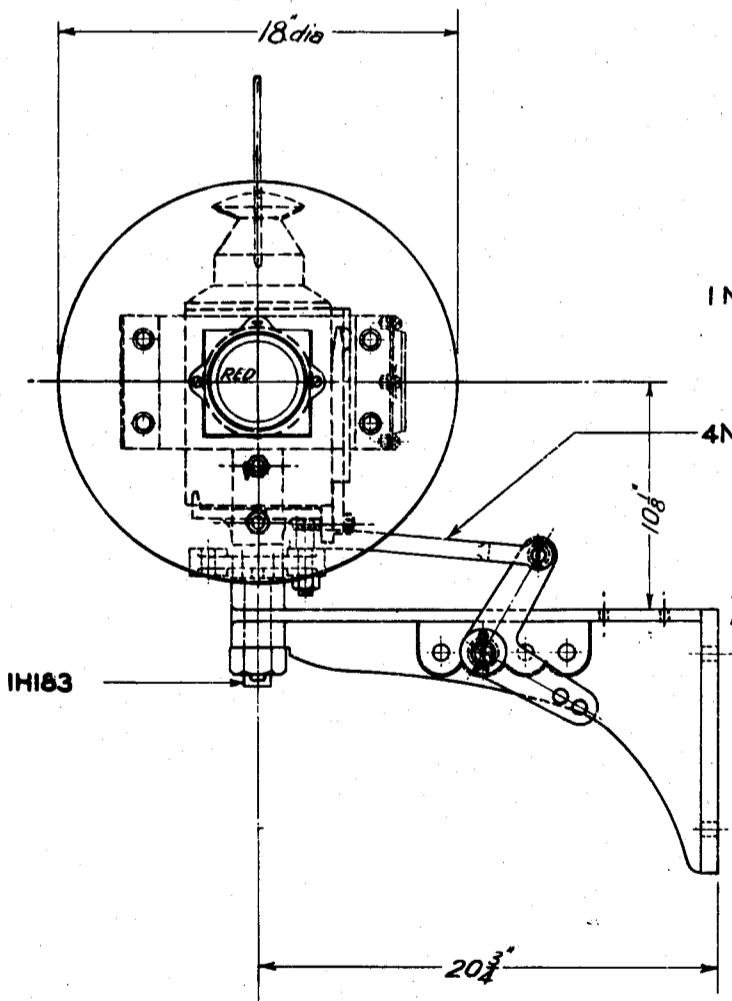
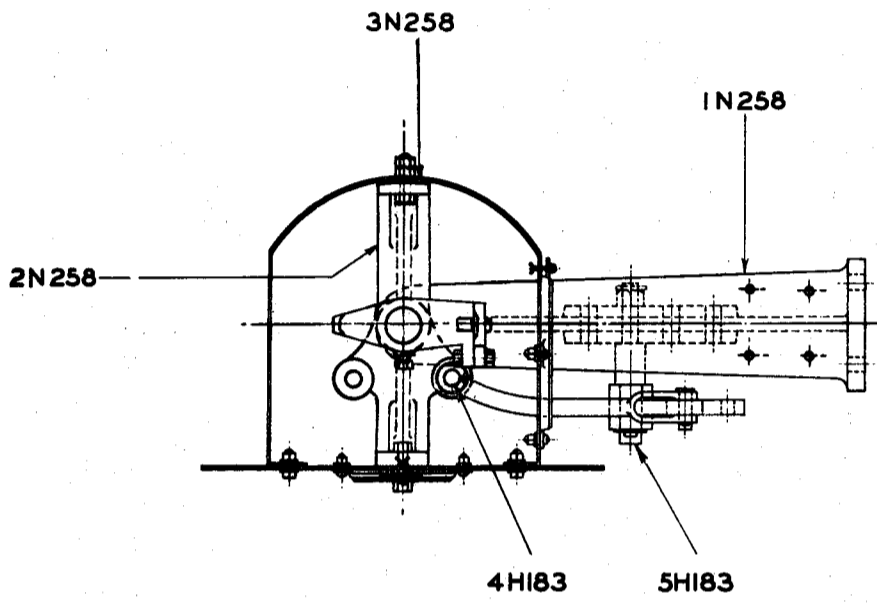
J3-3  
 RECORD PLAN  
 R 3416  
 NEW SERIES  
 DATE  
 3/16/57

WALL BRACKET DISC SIGNAL—IH549

NO	NAME	MATERIAL	QUANTITY
1N258	Bracket	C.I.	1
2N258	Target Carrier	C.I.	1
3N258	Support	M.S.	1
4N258	Operating Rod Length as reqd	M.S.	1
5N258	Crank	M.S.	1
2F2343	Lamp Bracket	C.I.	1
1H183	Stud	M.S.	1
4H183	Stud	M.S.	1
5H183	Stud	M.S.	1
1N259	Target (complete)		1
Stock	Bolt Hex Hd. 1/2" B.S.W. x 1 1/8" long.	M.S.	4
"	Set Screw 1/2" Whit. Hex Hd. 3/4" long	M.S.	5
"	Locknut Hex. 1/2" B.S.W.	M.S.	8
"	Washer Rd. M.S. Black 1 1/4" x 5/8" Rd. hole	M.S.	2
"	Bolt & Nut Hex. Rd. Hex. 3/8" B.S.W. x 3/4" long	M.S.	1
"	Washer Rd. Lead 3/4" x 1/8" x 5/8" Rd. hole	Lead	1
"	" " Copper 1 1/4" x 1/8" x 5/8" Rd. hole	Copper	2

NOTE:— Lamp to be ordered separately.  
 The Signal is assembled for use with the Adlake lamp. If it is to be electrically lit. Lamp Bracket IF2324 will also need to be ordered.

NOTE:— To be assembled either L.H. or R.H. & for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> or 4<sup>th</sup> Hole operation as required. Particulars to be given when ordering. Assembly as shown:— IH549; L.H.; 3<sup>rd</sup> Hole.



WALL BRACKET DISC SIGNAL—IH549

8-8-74 Alteration 1649	26-10-75 Alteration 1605	19-8-76 Alteration No 578	21-10-41 Parts B675, A17, A293, A706 & F2343 added. W.L. R.M.D.	15-10-85 Alteration No 312	VICTORIAN RAILWAYS DISC SIGNAL MECHANICAL WALL BRACKET TYPE	Chief Engr Sigs & Tels Approved by Sigs & Tels S.M.
					H549	

1934-6

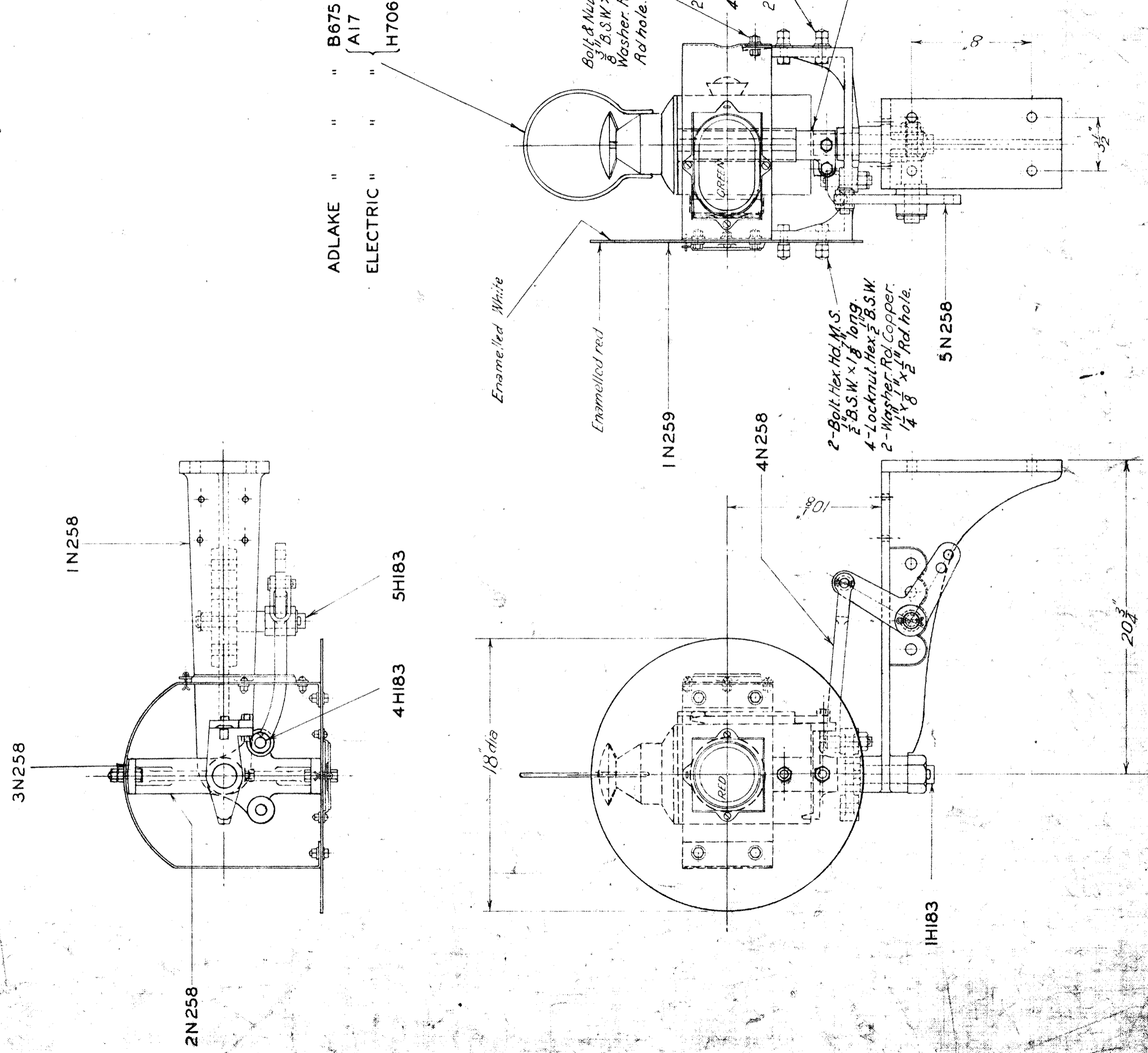
WALL BRACKET DISC SIGNAL — IH 549

No	NAME	MATERIAL	QUANTITY
1N258	Bracket	C.I.	1
2N258	Target Carrier	C.I.	1
3N258	Support	M.S.	1
4N258	Operating Rod Length as reqd	M.S.	1
5N258	Crank	M.S.	1
2F2343	Lamp Bracket	C.I.	1
1H183	Stud	M.S.	1
4H183	Stud	M.S.	1
5H183	Stud	M.S.	1
1N259	Target (complete)	M.S.	1
Stock	Bolt Hex Hd. 1/2" B.S.W. x 1 1/8" long	M.S.	4
"	Set Screw - 1/2" Whit Hex Hd. 3/4 long	M.S.	5
"	Locknut Hex 1/2" B.S.W.	M.S.	8
"	Washer Rd. M.S. Black 1/4" x 1/8" x 9/16"	M.S.	2
"	Rd hole		
"	Bolt & Nut Hex Rd. Hex 3/8" B.S.W. x 3/4 long	M.S.	1
"	Washer Rd. Lead 3/4" x 1/16" x 3/8" Rd. hole	Lead	1
"	" Copper 1/4" x 1/8" x 1/2" Rd. hole	Copper	2

NOTE:- Lamp to be ordered separately. The Signal is assembled for use with the Adlake lamp. If it is to be electrically lit Lamp Bracket IF2324 will also need to be ordered.

NOTE:-

To be assembled either L.H. or R.H. & for 1st, 2nd, 3rd or 4th Hole operation as required. Particulars to be given when ordering. Assembly as shown: IH 549; L.H.; 3rd Hole.



5-6-30

**H 549**

WALL BRACKET DISC SIGNAL — IH 549

VICTORIAN RAILWAYS  
**DISC SIGNAL**  
 MECHANICAL  
 WALL BRACKET TYPE

Chief Eng. Sigs. & Tels. Sample. Traced by E.C.M.

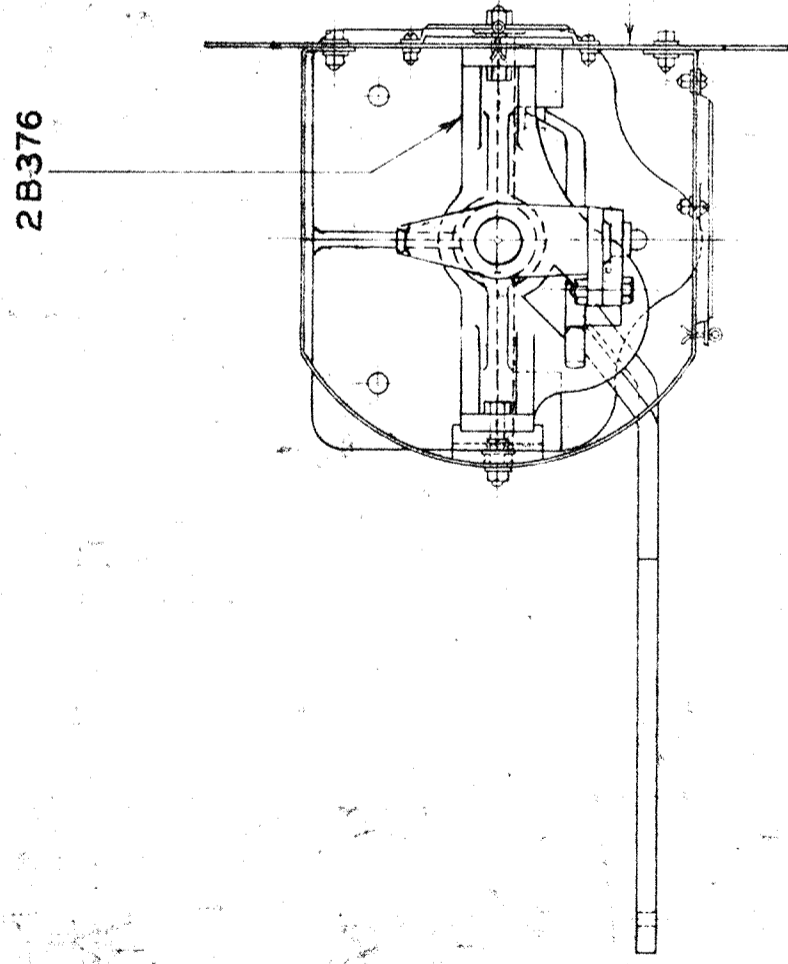
17-8-14 Alteration No 578  
 26-10-13 Alteration 1605  
 8-8-14 Alteration 1649  
 21-10-41 Parts B675, A17, A293, A706 & F2343 added  
 15-10-35 Alteration No 312  
 T.M.C. R.M.D.

5-6-30

3417

J3-3

Note:- The lamp & weight as required, to be ordered separately.  
The Signal is assembled for use with the Adelaide Lamp. If it is to be electrically lit, Lamp Bracket IF2324 will also need to be ordered.

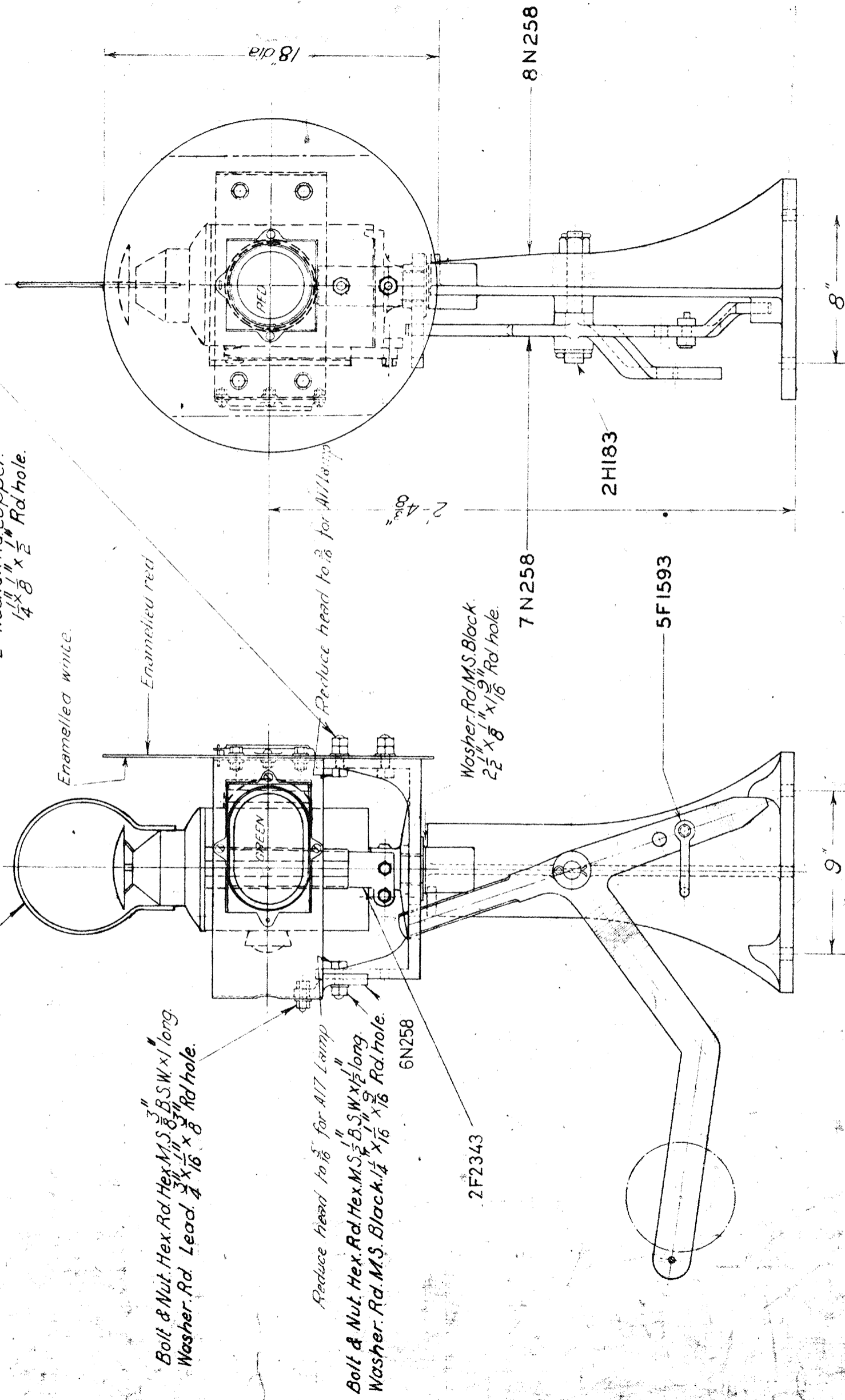


GROUND DISC SIGNAL (with narrow disc) 2H550  
GROUND DISC SIGNAL - 1H550

No	NAME	MATERIAL	QUANTITY	
			1H550	2H550
1N259	Target (complete)	C.I.	1	1
6N258	Support	M.S.	1	1
7N258	Operating Lever	M.S.	1	1
8N258	Pedestal	C.I.	1	1
2B376	Main Plate	C.I.	1	1
2F2343	Lamp Bracket	C.I.	1	1
7N259	Target (Complete with narrow disc)	M.S.	1	1
2H183	Stud	M.S.	1	1
5F1593	Shackle	M.S.	1	1
Stock	Bolt & Nut Hex Rd Hex $\frac{3}{8}$ " B.S.W. x $\frac{1}{2}$ " long	M.S.	1	1
"	Bolt & Nut Hex Rd Hex $\frac{1}{2}$ " B.S.W. x $\frac{1}{2}$ " long	M.S.	1	1
"	Bolt Hex Hd $\frac{1}{2}$ " B.S.W. x $\frac{1}{8}$ " long	M.S.	2	2
"	Screw Set Hex Hd $\frac{1}{2}$ " B.S.W. x $\frac{3}{4}$ " long	M.S.	5	5
"	Washer Rd Lead $\frac{3}{4}$ " x $\frac{1}{16}$ " x $\frac{3}{8}$ " Rd hole	Lead	1	1
"	" Copper $\frac{1}{4}$ " x $\frac{1}{8}$ " x $\frac{1}{2}$ " Rd hole	Copper	2	2
"	Washer Rd M.S. Block $\frac{1}{4}$ " x $\frac{1}{16}$ " x $\frac{3}{8}$ "	M.S.	1	1
"	Rd hole		1	1
"	Washer Rd M.S. Block $2\frac{1}{2}$ " x $\frac{1}{16}$ " x $\frac{3}{8}$ "	M.S.	1	1
"	Rd Hole		1	1
"	Locknut Hex $\frac{1}{2}$ " B.S.W.	M.S.	4	4

ADLAKE " " B675  
ELECTRIC " " A17  
" " H706

2-Bolt Hex Hd M.S.  $\frac{1}{2}$ " B.S.W. x  $\frac{1}{8}$ " long  
4-Locknut Hex  $\frac{1}{2}$ " B.S.W.  
2-Washer Rd Copper  $\frac{1}{4}$ " x  $\frac{1}{8}$ " x  $\frac{1}{2}$ " Rd hole.



Bolt & Nut Hex Rd Hex M.S.  $\frac{3}{8}$ " B.S.W. x  $\frac{1}{2}$ " long  
Washer Rd Lead  $\frac{1}{4}$ " x  $\frac{1}{16}$ " x  $\frac{3}{8}$ " Rd hole.

Reduce head to  $\frac{1}{8}$ " for A17 Lamp  
Bolt & Nut Hex Rd Hex M.S.  $\frac{1}{2}$ " B.S.W. x  $\frac{1}{2}$ " long  
Washer Rd M.S. Block  $\frac{1}{4}$ " x  $\frac{1}{16}$ " x  $\frac{3}{8}$ " Rd hole.

Washer Rd M.S. Block  
 $2\frac{1}{2}$ " x  $\frac{1}{16}$ " x  $\frac{3}{8}$ " Rd hole.

GROUND DISC SIGNAL (with narrow disc) 2H550  
GROUND DISC SIGNAL - 1H550

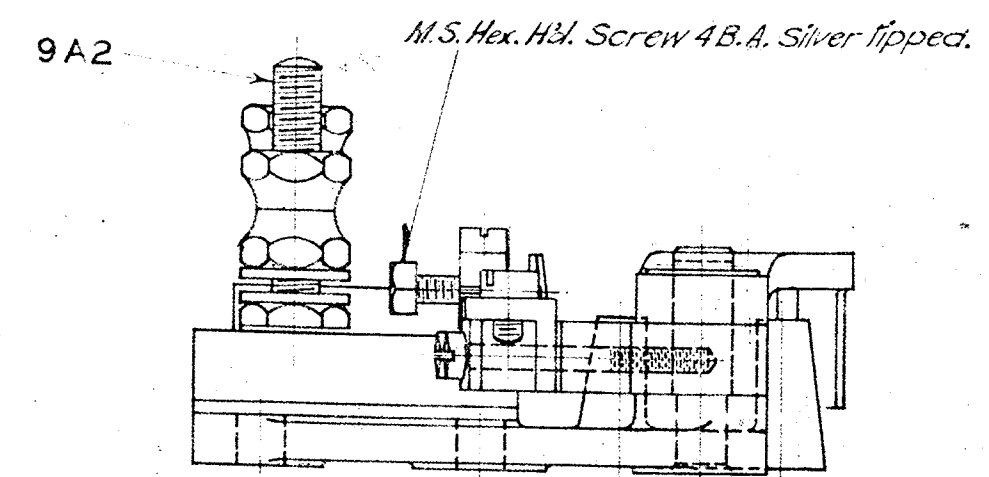
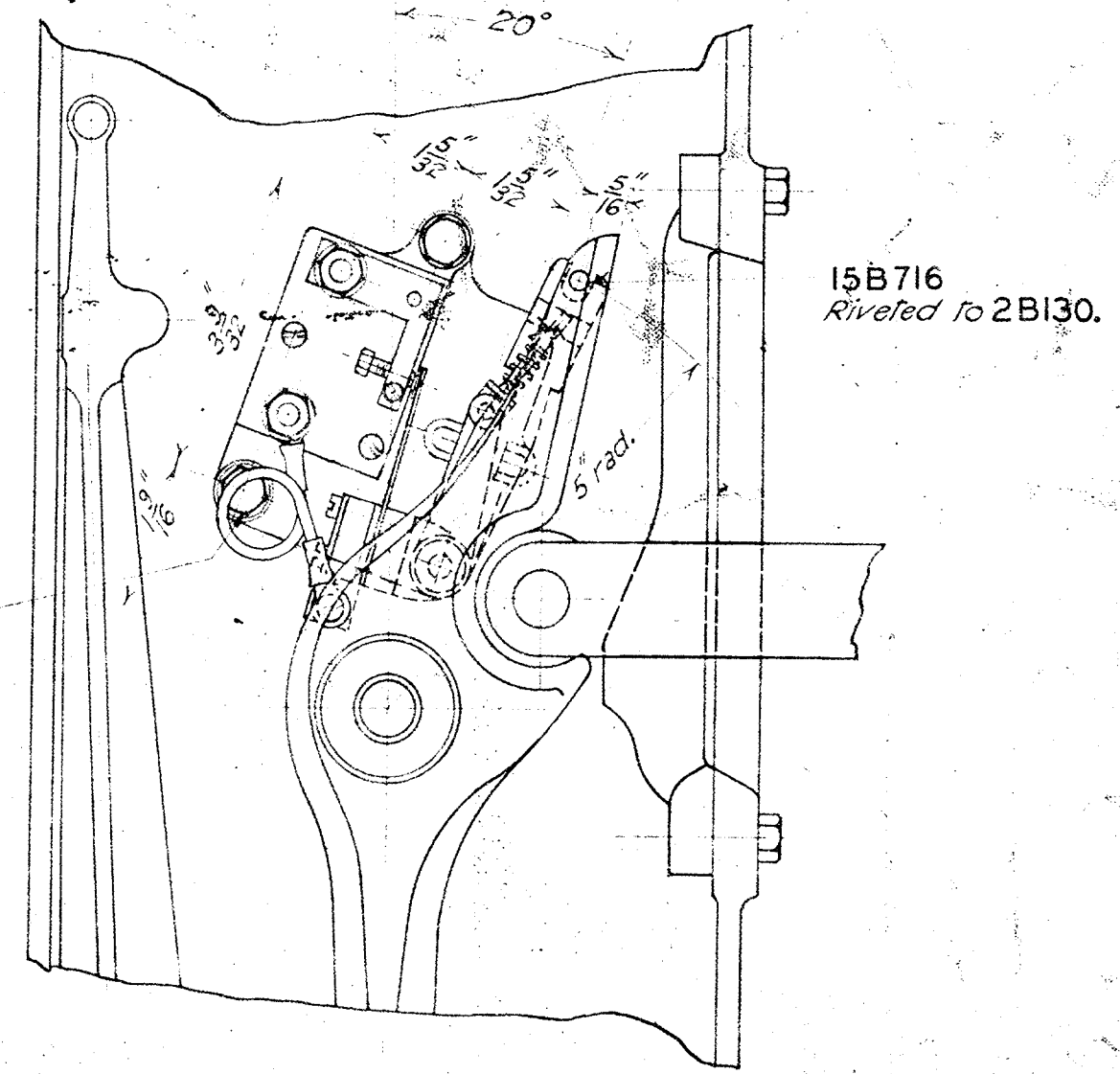
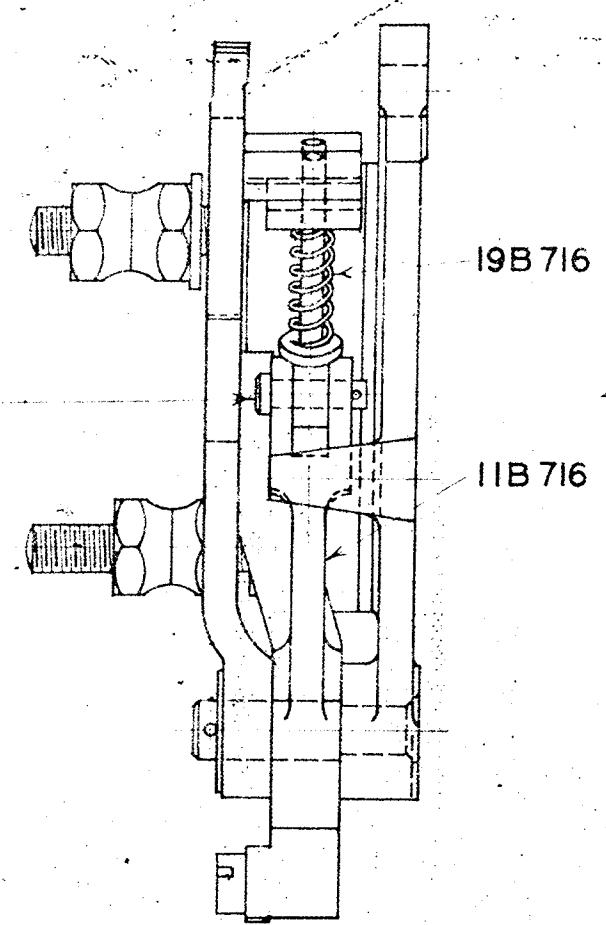
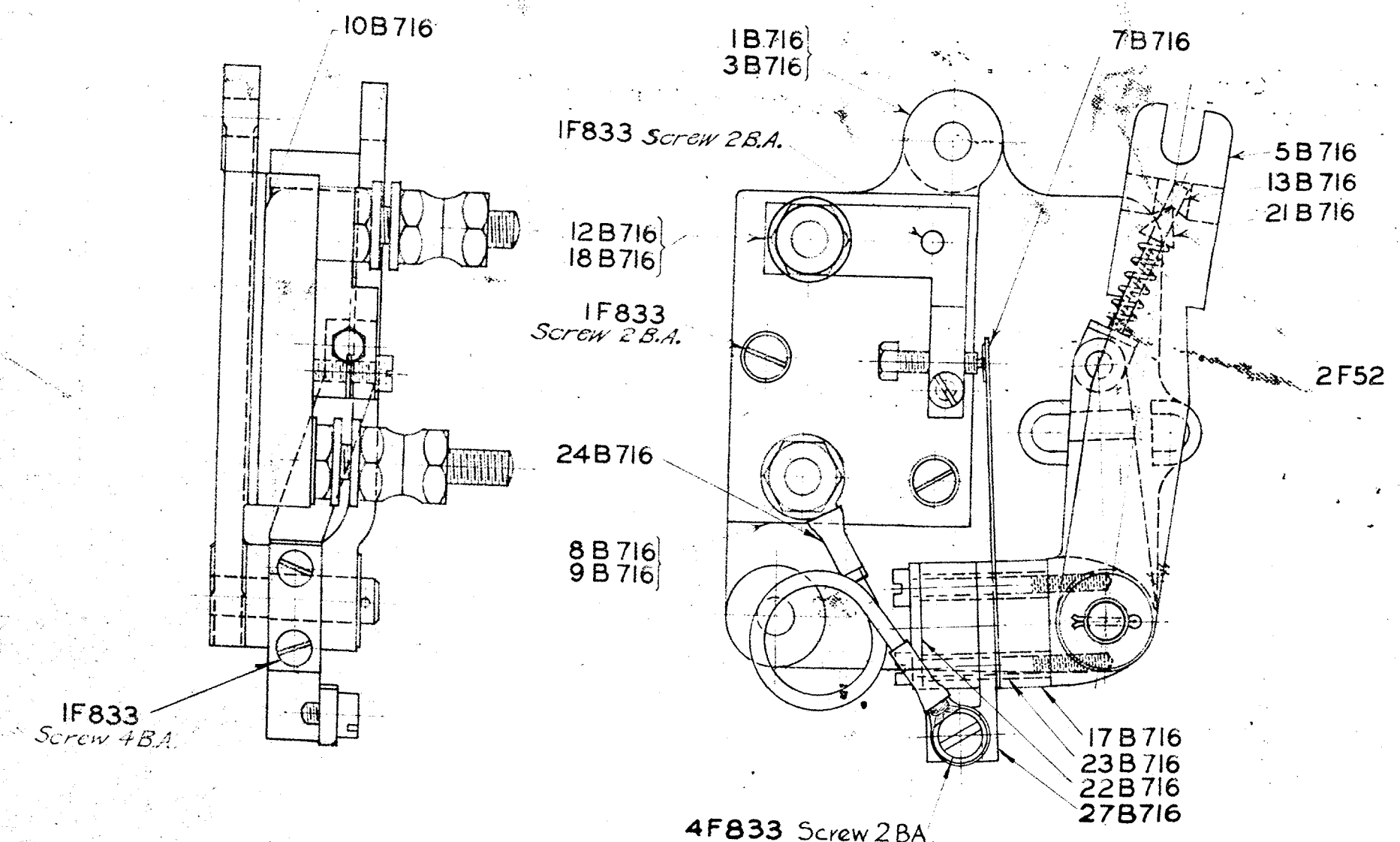
Alteration No	Date	Description	Alteration No	Date	Description
Alteration No 767	10-10-31	For Ground Type on flat base see H1215	Alteration No 1617	27-11-73	
Alteration No 767	10-10-31	Parts Nos. 7N259 and 2H550 added.	Alteration No 1649	8-8-74	
Alteration No 767	10-10-31	Make reduction of heads of bolts added	Alteration No 370	29-11-37	
Alteration No 767	10-10-31	Part No 8N258 added	Alteration No 370	29-11-37	
Alteration No 767	10-10-31	Parts 8075, A17, A293, H706 & F808 added			
Alteration No 767	10-10-31	716 added			

Chief Engr  
Sigs & Tels  
Sample  
ECM  
H550

VICTORIAN RAILWAYS  
DISC SIGNAL  
MECHANICAL  
GROUND TYPE

SCALE: 2 1/4" = 1"  
ASSEMBLY

H550



CUT OUT SWITCH COMPLETE R.H. as shown 2H551  
L.H. 1H551

Part No	Name	Material	Quantity		Part No	Name	Material	Quantity	
			1H551	2H551				1H551	2H551
1B716	Base	Brass	1	-	21B716	Pivot Point	C.Steel	1	1
3B716	"	"	-	1	22B716	Plate	Brass	1	1
5B716	Arm	M.S.	1	1	23B716	Bush	Fibre	2	2
7B716	Contact Spring R.H.	G.Silver	-	1	24B716	Connecting Strip	Copper	1	1
8B716	Terminal Base	Civ Bakelite	-	1	25B716	Contact Spring L.H.	G.Silver	1	-
9B716	"	"	1	-	2F52	Pin 3/8 Long	M.S.	1	1
10B716	Sole Plate	"	1	1		Screw 4 B.A. 5/8 Long, Silver tipped.	"	1	1
11B716	Toggle	Brass	1	1	1F833	" 2 B.A. 1/16 "	Brass	3	3
12B716	Contact Plate	"	1	-	1F833	" 2 3/4 " "	"	1	1
13B716	Spring Guide	M.S.	1	1	1F833	" 4 B.A. 1/2 " screwed 5/8 "	"	2	2
15B716	Stud	"	1	1	9A2	Binding Post 1 1/2 Long, screwed 1/2 "	"	2	2
17B716	Insulating Block	Civ Bakelite	2	2	26B716	Connexion Bracket L.H.	Brass	1	-
18B716	Contact Plate	Brass	-	1	27B716	Connexion Bracket R.H.	Brass	-	1
19B716	Spring	Sp.Steel	1	1	4F833	Screw 2 B.A. * 1/2 " long.	Brass	1	1
					Stock	1/4 Whit Hex Hd Set Screw x 1/2 " long & Washer.	M.S.	2	2

RECORD NO. 3418  
3 12 27

Alt. No.  
975

VICTORIAN RAILWAYS  
**SIGNAL REPLACER**  
CUT OUT SWITCH  
ASSEMBLY

R.H. as shown 2H551  
L.H. 1H551  
Chief Eng. Sigs. & Tels. S.C.O. K.C.H.C.  
Traced by  
22

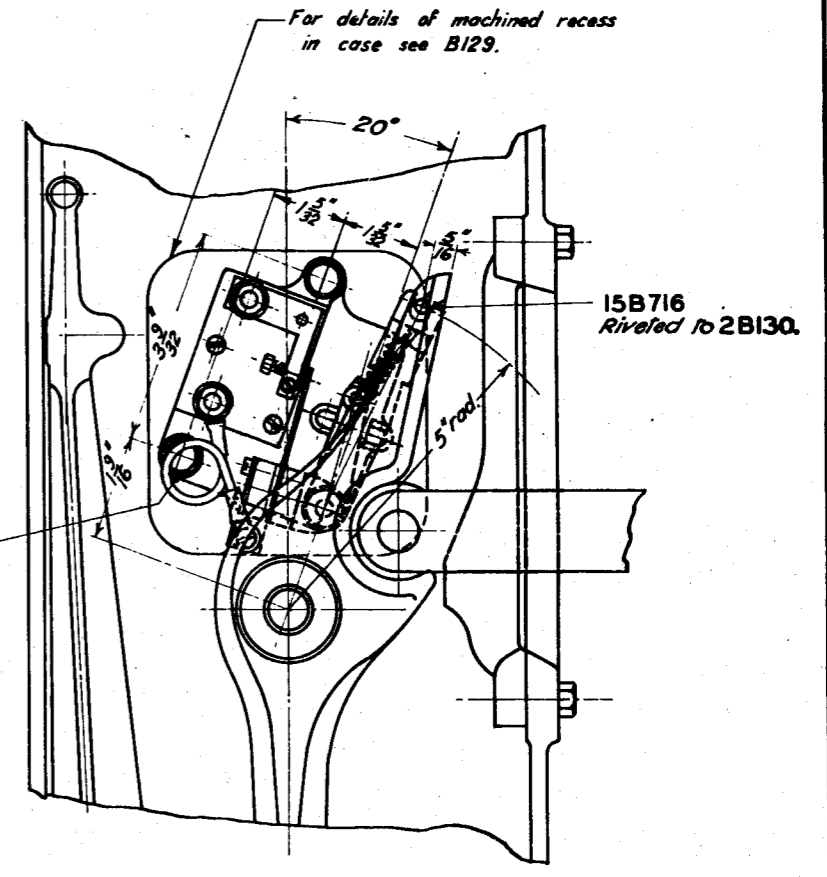
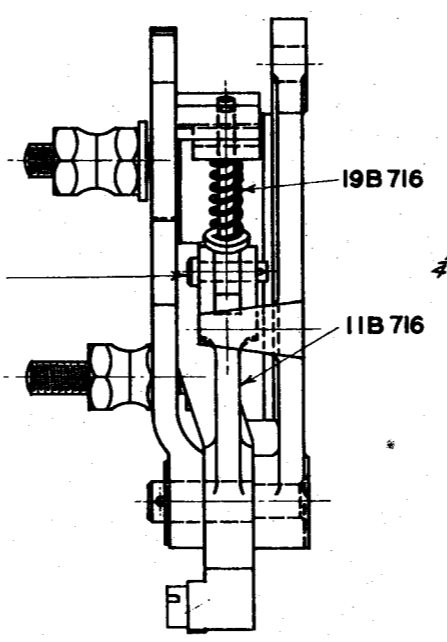
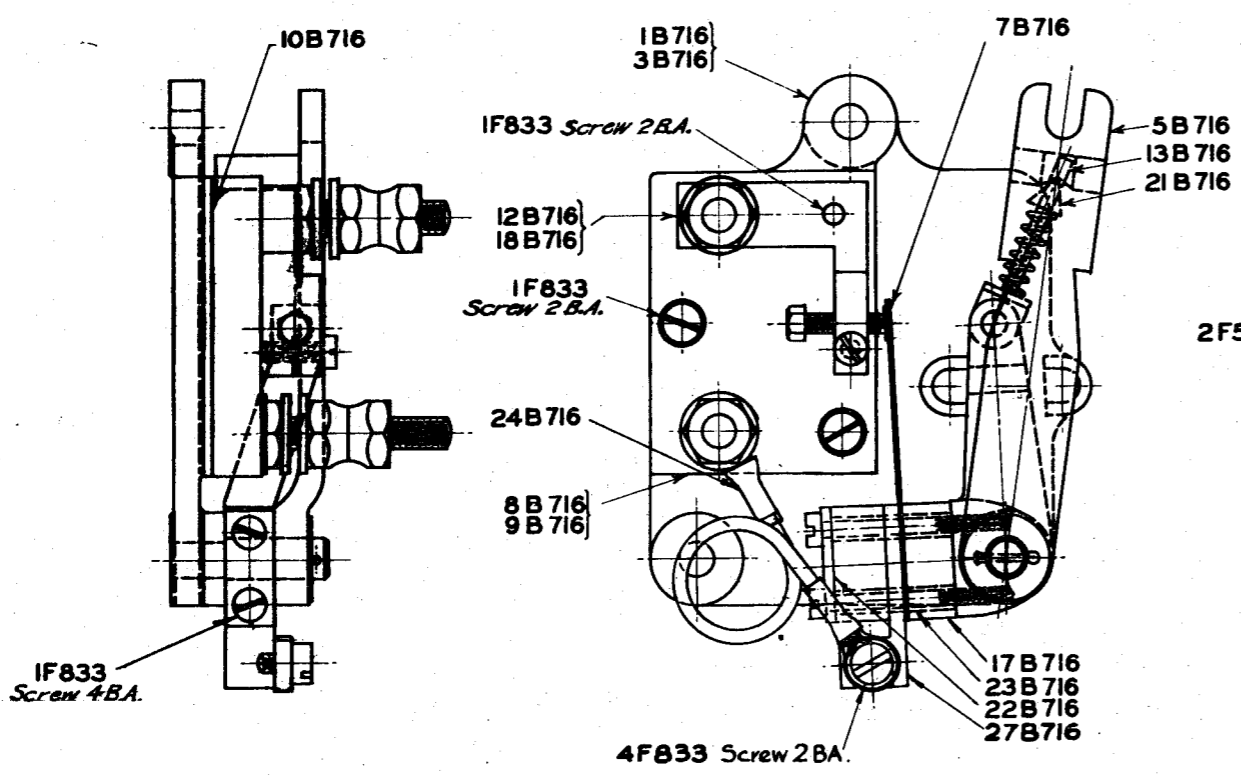
2-10-59

Scale - Full Size.

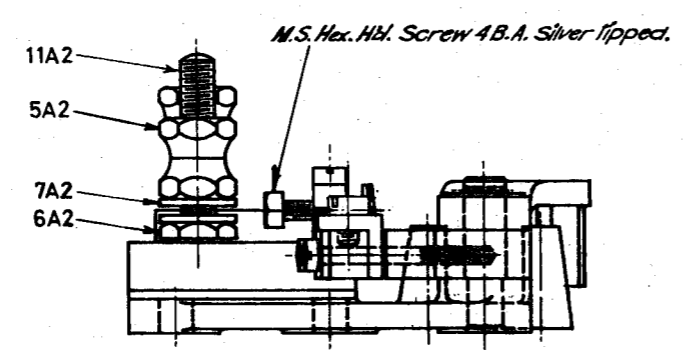
8-11-28

H 551

← 211/211/1



CUT OUT SWITCH COMPLETE R.H. as shown 2H551  
L.H. 1H551



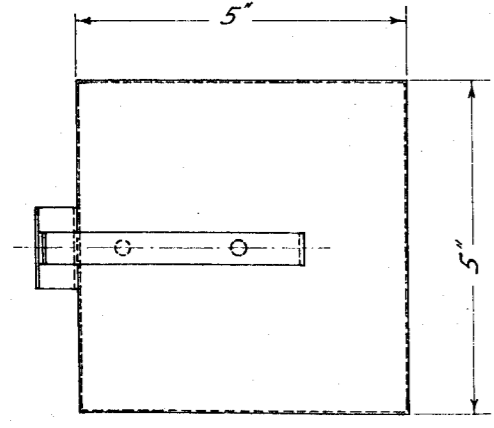
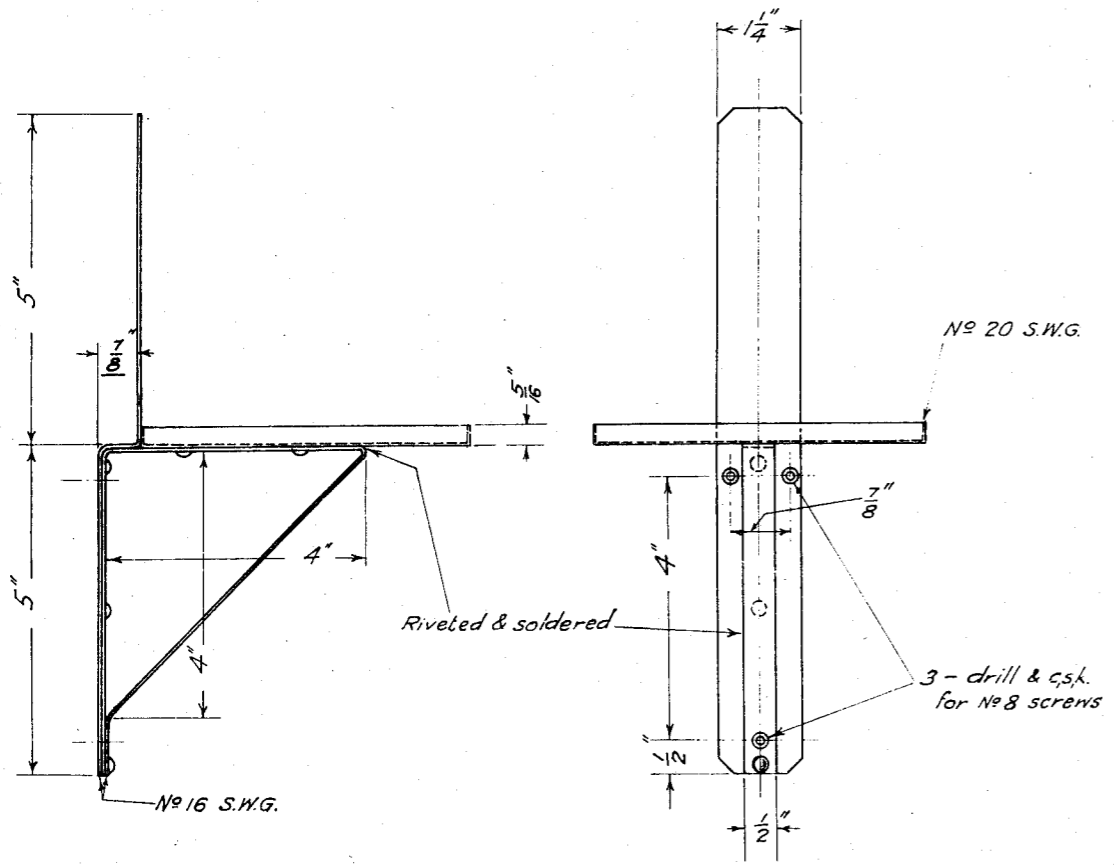
Part No	Name	Material	Quantity		Part No	Name	Material	Quantity	
			1H551	2H551				1H551	2H551
1B716	Base	Brass	1	-	23B716	Bush	Fibre	2	2
3B716	"	"	-	1	24B716	Connecting Strip	Copper	1	1
5B716	Arm	M.S.	1	1	25B716	Contact Spring L.H.	G.Silver	1	-
7B716	Contact Spring R.H.	G.Silver	-	1	2F52	Pin 3/8 long	M.S.	1	1
8B716	Terminal Base	Cra Bakelite	-	1	11A2	Terminal	Brass	2	2
9B716	"	"	1	-	5A2	Terminal Nut	"	4	4
10B716	Sole Plate	"	1	1	6A2	Clamp Nut	"	2	2
11B716	Toggle	Brass	1	1	7A2	Washer	"	4	4
12B716	Contact Plate	"	1	-	IF833	Screw 2 B.A. 3/8 long	"	1	1
13B716	Spring Guide	M.S.	1	1	IF833	" 4 B.A. 1/2 " screwed 5/8"	"	2	2
15B716	Stud	"	1	1	IF833	" 2 B.A. 3/8 "	"	3	3
17B716	Insulating Block	Cra Bakelite	2	2	26B716	Connexion Bracket L.H.	Brass	1	-
18B716	Contact Plate	Brass	-	1	27B716	Connexion Bracket R.H.	Brass	-	1
19B716	Spring	Sp.Steel	1	1	4F833	Screw 2 B.A. 1/2 long	Brass	1	1
21B716	Pivot Point	C.Steel	1	1	Stock	1/4 Whit. Hex. Hd. Set Screws 1/2 long & Washer	M.S.	2	2
22B716	Plate	Brass	1	1		Screw 4 B.A. 3/8 long, silver tipped	"	1	1

R.H. as shown 2H551  
L.H. 1H551

REVISIONS  
R 3418  
1/11/58

Alt. No. 1489	Alt. No. 1329	Alt. No. 975	VICTORIAN RAILWAYS <b>SIGNAL REPLACER</b> CUT OUT SWITCH ASSEMBLY	Chief Eng. S.C.B. S.C.B.	Drawing S.C.B.	Packaging S.C.B.
N-10-71	1-5-68	2-10-59				



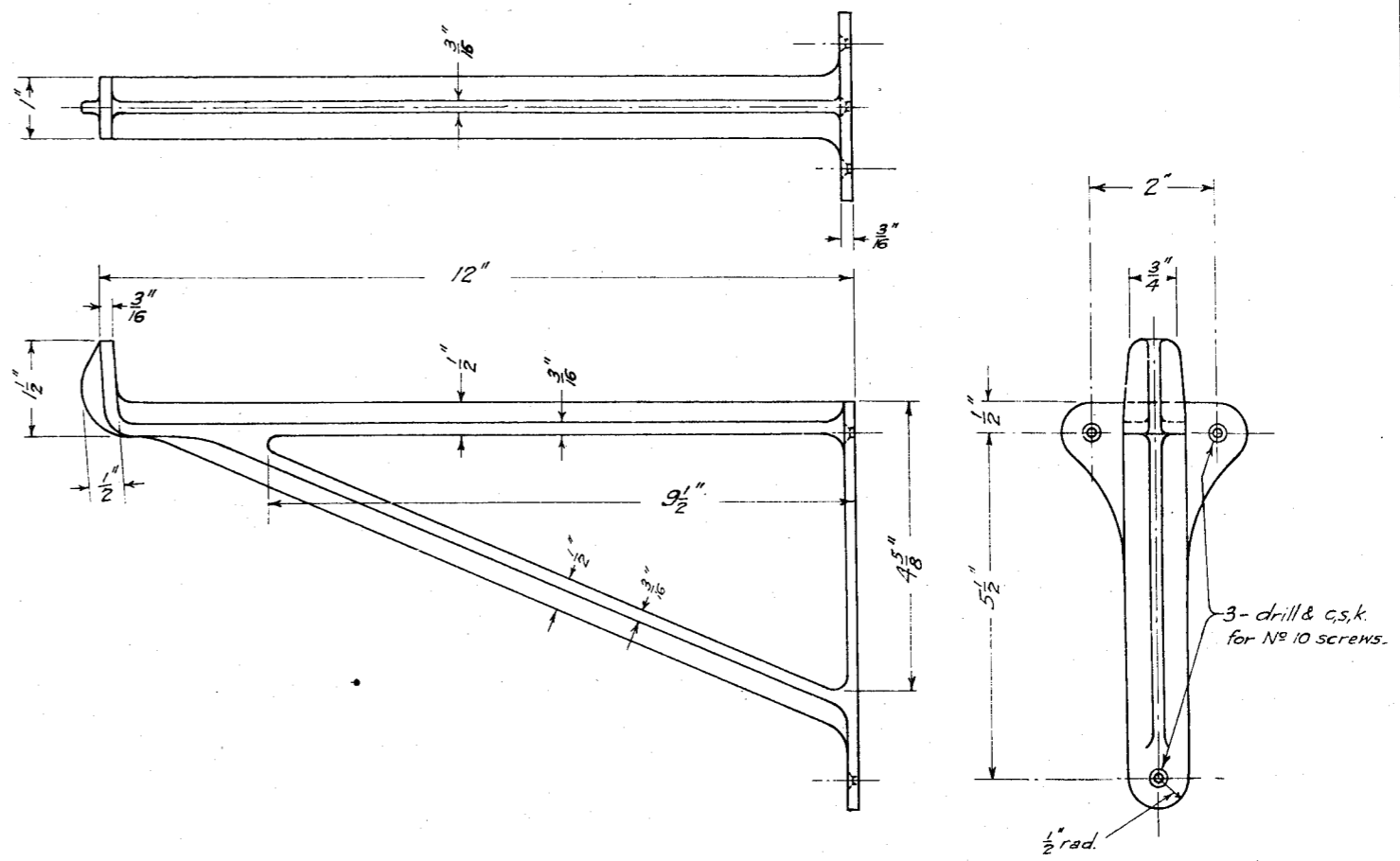


Sheet Iron  
LAMP BRACKET  
1 H 553

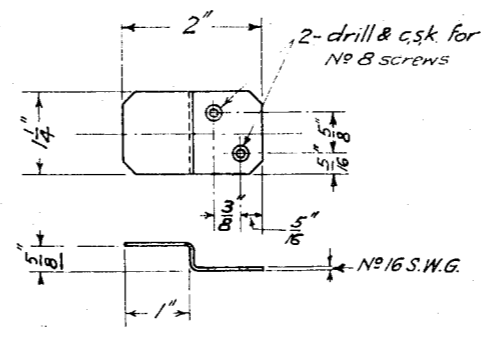
18-11-52 / A11-785  
26-1-29

RECORD PLAN  
R 3420  
NEW SERIES  
3 12 37

J.3-4



Mal. Iron  
POUCH BRACKET  
2 H 553



Sheet Iron  
CLIP  
3 H 553

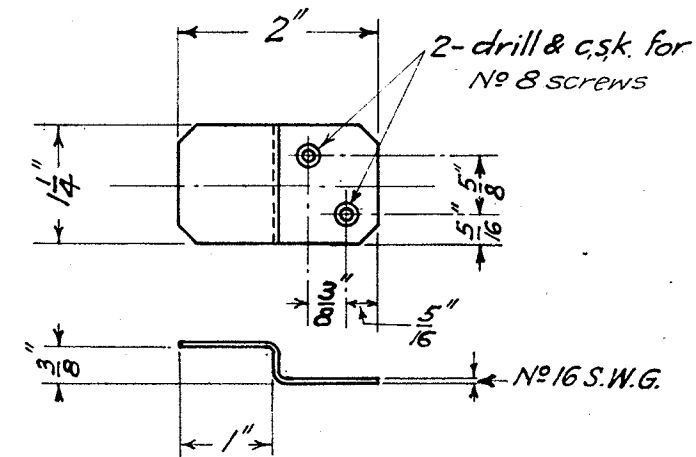
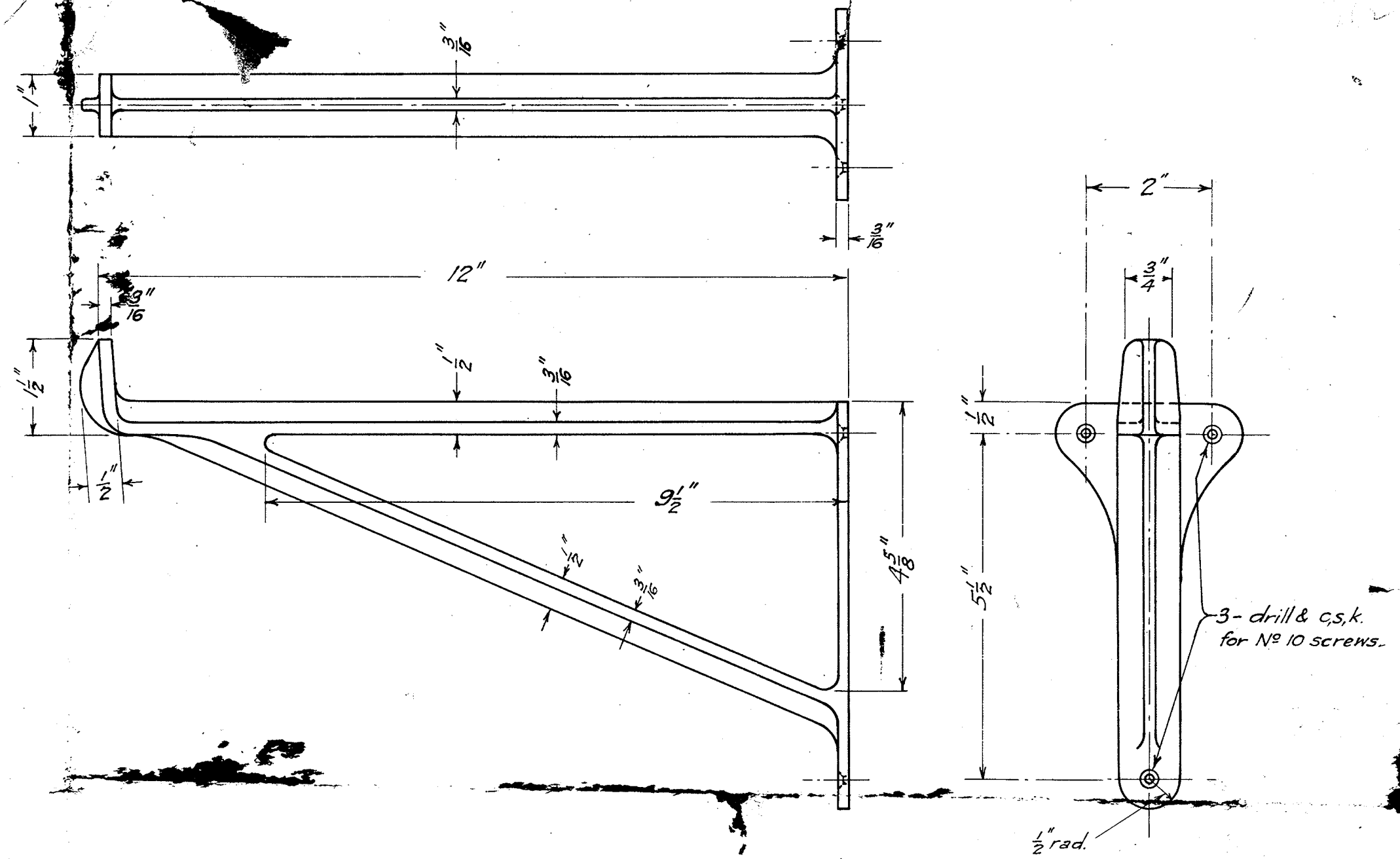
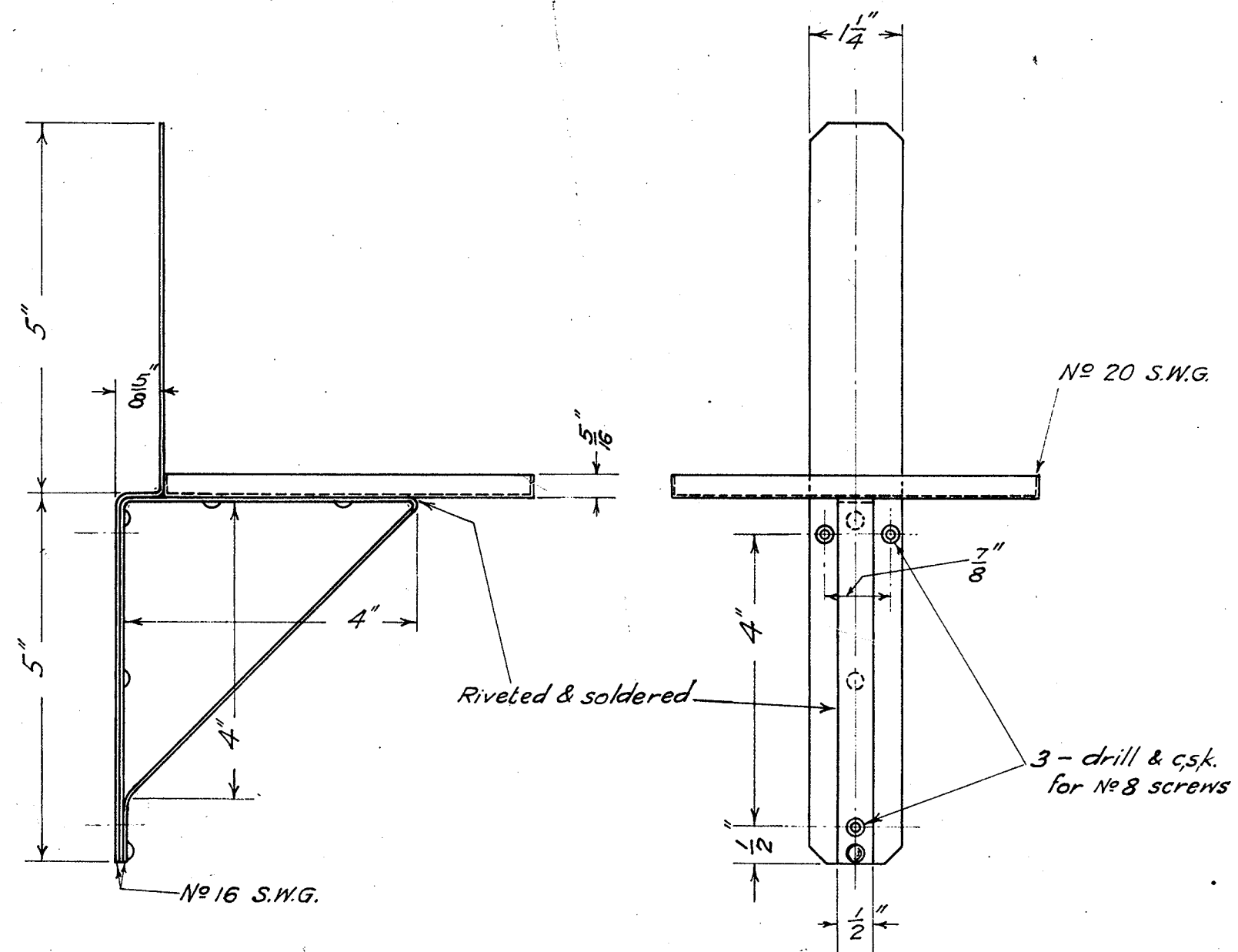
18-11-52 / A11-785  
26-1-29

VICTORIAN RAILWAYS  
AUTOMATIC  
STAFF EXCHANGER  
BRACKETS FOR FITTINGS

Chief Eng. Signs & Tels.	Drawn by S.C.O.	Traced by S.C.O.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
<b>H. 553</b>		

26-1-29

← 2" margin  
11-381



VICTORIAN RAILWAYS  
AUTOMATIC  
STAFF EXCHANGER  
BRACKETS FOR FITTINGS

Chief Eng. Sigs & Tels.	Drawn by S. C. O.	Traced by S. C. O.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

H 553