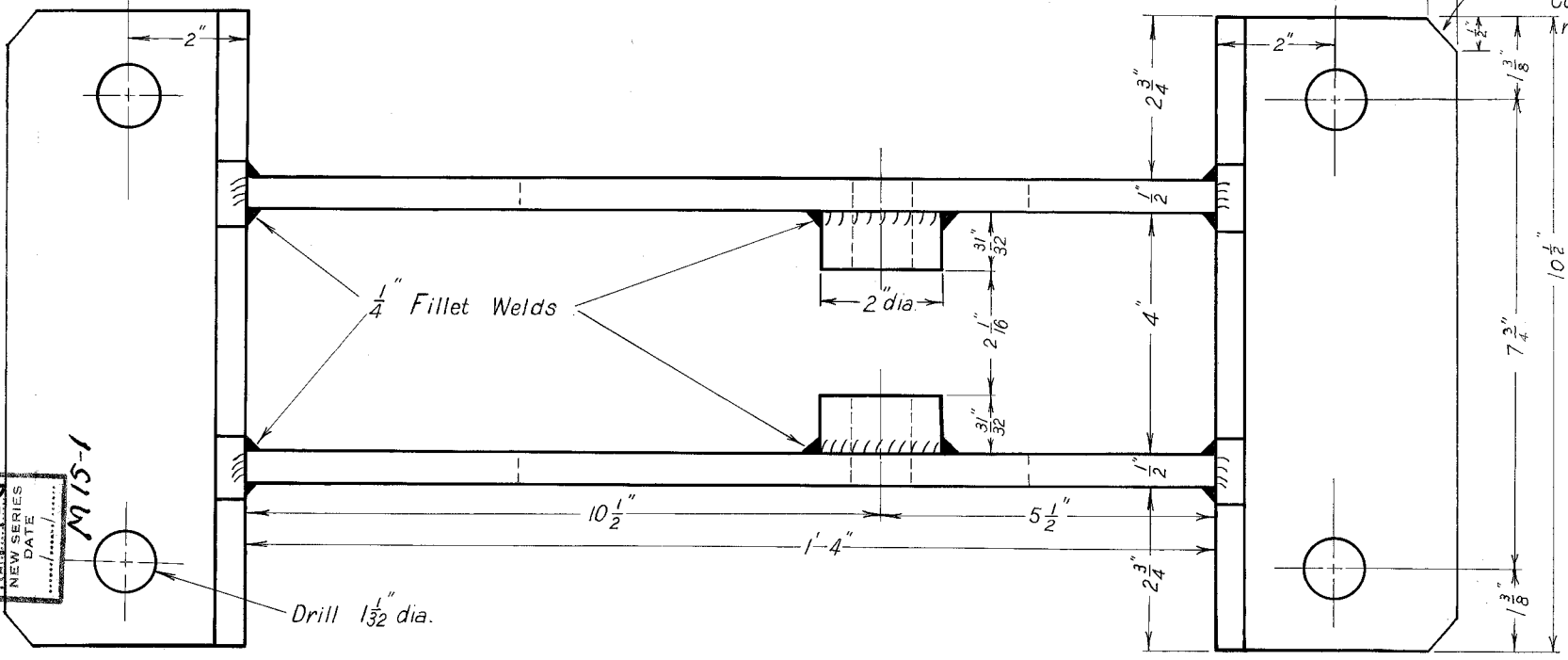
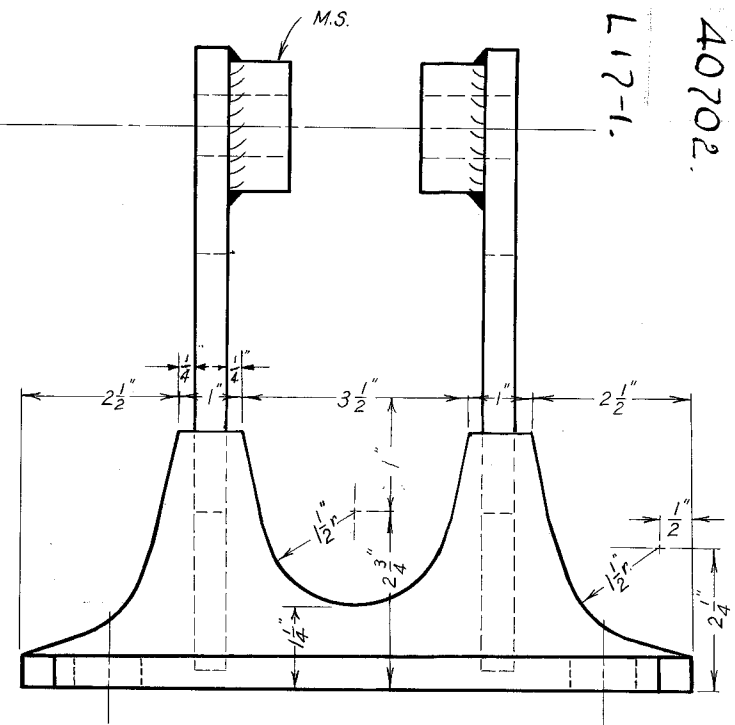
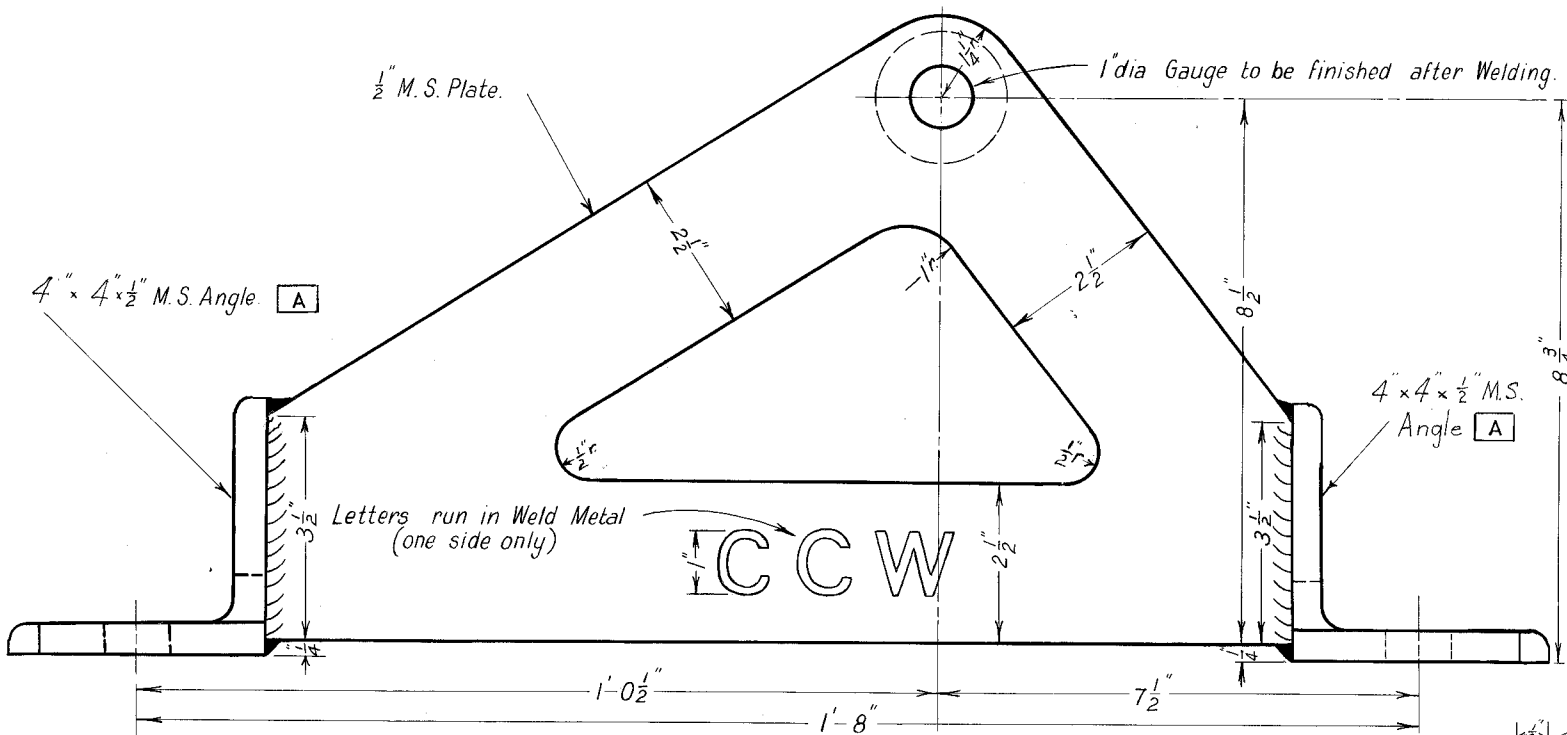


8' 207 1178

40702.

L17-1.



Corners cut as shown or rounded by Grinding.

Alternative to Cast Steel Frame Item 1 on drawing 653-44

Paint 1 Coat Red Lead
2 Coats White Paint

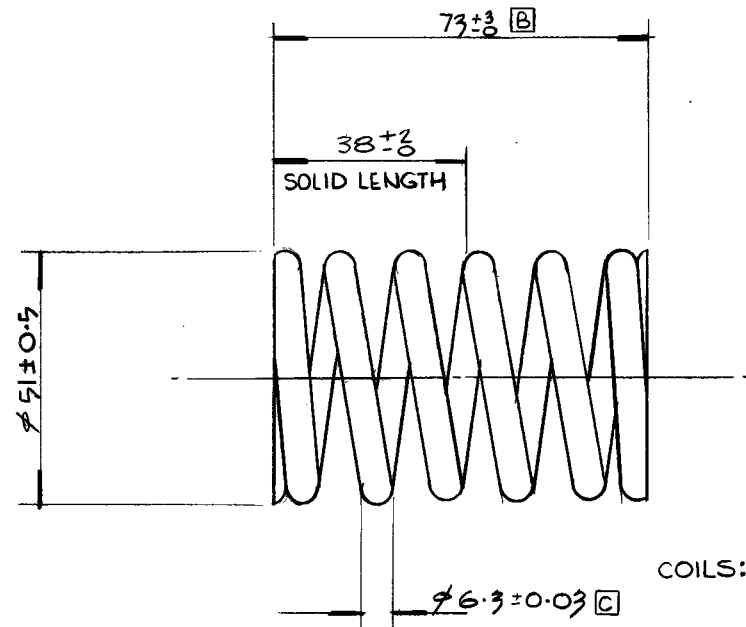
RECORD COPY
NEW SERIES
DATE
M/S-1

[A]	26-6-74	4" x 4" x 1/2" M.S. Angle Ex 3 1/2" x 3 1/2" x 1/2" M.S. Angle	M.L.	K.D.S.
Revision	Date	Amendment	Amended	Approved

- V.R. -
FRAME
C.C.W. POINT LEVER
Mild Steel

Chief Civil Engineer

Drawn	Checked	Passed	AT-57	DRG No
C.F.	C.F.	206	18-D	601-48



NOTES: A B C

MAN^F TO BE IN ACCORDANCE WITH SPRING SPECIFICATION G.S.S. 75

COILS: $4\frac{1}{2}$ ACTIVE (FULL SECTION) PLUS $\frac{3}{4}$ COILS AT EACH END SET AND GROUND TO FORM A FLAT BEARING SURFACE

ACTIVE COILS TO BE UNIFORMLY SPACED

MATERIAL: OIL HARDENED & TEMPERED OR HARD DRAWN (RANGE 2) STEEL SPRING WIRE TO AS 1472-1979

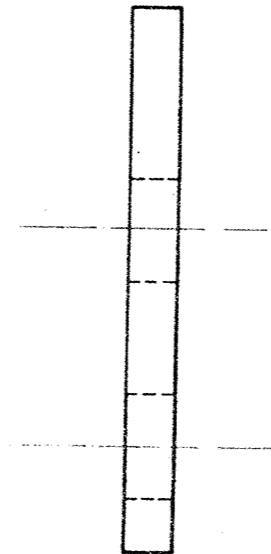
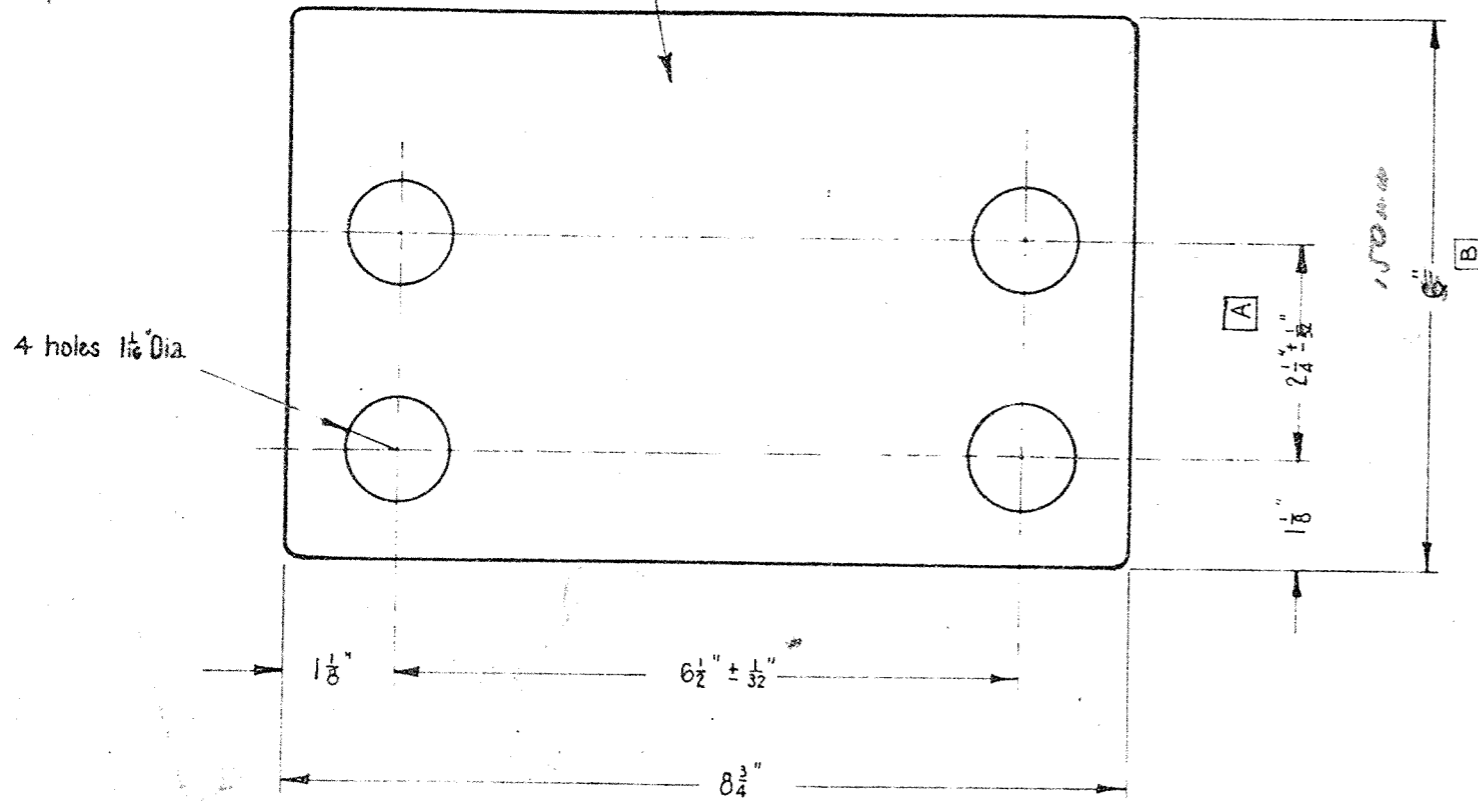
TESTS: SCRAGGING - THE SPRING SHALL BE COMPRESSED TO SOLID LENGTH 3 TIMES IN RAPID SUCCESSION AFTER WHICH IT SHALL SHOW A PERMANENT SET OF LESS THAN 2MM

WORKING LOAD: 1250 N $\pm 5\%$ AT 32MM DEFLECTION

APPROVALS	REV'N	DATE	DESCRIPTION	REV'D BY	APP'D BY	DESIGNED	DRAWN	STATE TRANSPORT AUTHORITY VICTORIA (T.O.D.) SPRING FOR C.C.W POINT LEVER	MANAGER 7.8.85 ENGINEERING DEPT. DATE 28.6.84 SCALE 1:1 INDEX AT-322 DRAWING NO. 354/84 REV'N C
	A	3-2-85	MATERIAL CHANGED	GGB	P.L.	GGB	HJ		
	B	2-6-85	FREE LENGTH TOLERANCE & NO OF END COILS ALTERED	GGB	P.L.	CHECKED	CORRES		
	C	9-7-85	NOTES & TOLERANCES ADDED	GGB	P.L.	P.L.			

SECT^N MECH. SERVICES (T.O.D.)

Stamp Detail N° Here



ISSUED ONLY FOR P.O. 14379
 FOR SHOP No. 61 AND M.U.T. 0
 RETURNED IMMEDIATELY TO
 DRAWING OFFICE WHEN 100 No.
 X/ARE COMPLETED

Material: Black Mild Steel Plate.
 All corners 1/8" R.

DETAIL N°	PLATE THICKNESS
1.038	1/2" 12
2.038	3/4" 32
3.038	1 1/2" 40

C

Revision	Date	Amendment	Amended by	Approved by
C	30-7-68	Table Added.	K.W.D.	<i>[Signature]</i>
B	30-4-68	Dimension Changed	K.W.D.	<i>[Signature]</i>
A	31-8-67	Dimension Changed	A.S.	<i>[Signature]</i>

V.R.
CRANK BASEPLATE
 for use with
POINT LEVERS

R.S.W. 24.5.67.
 Chief Civil Engineer.

Scale: 1/2 Full Size.

Drawn G.L.	Traced G.L.	Check S.	Corres.	AT-218 E	PLAN N° 356/66
				K.S. Eng. M.&W.S.	

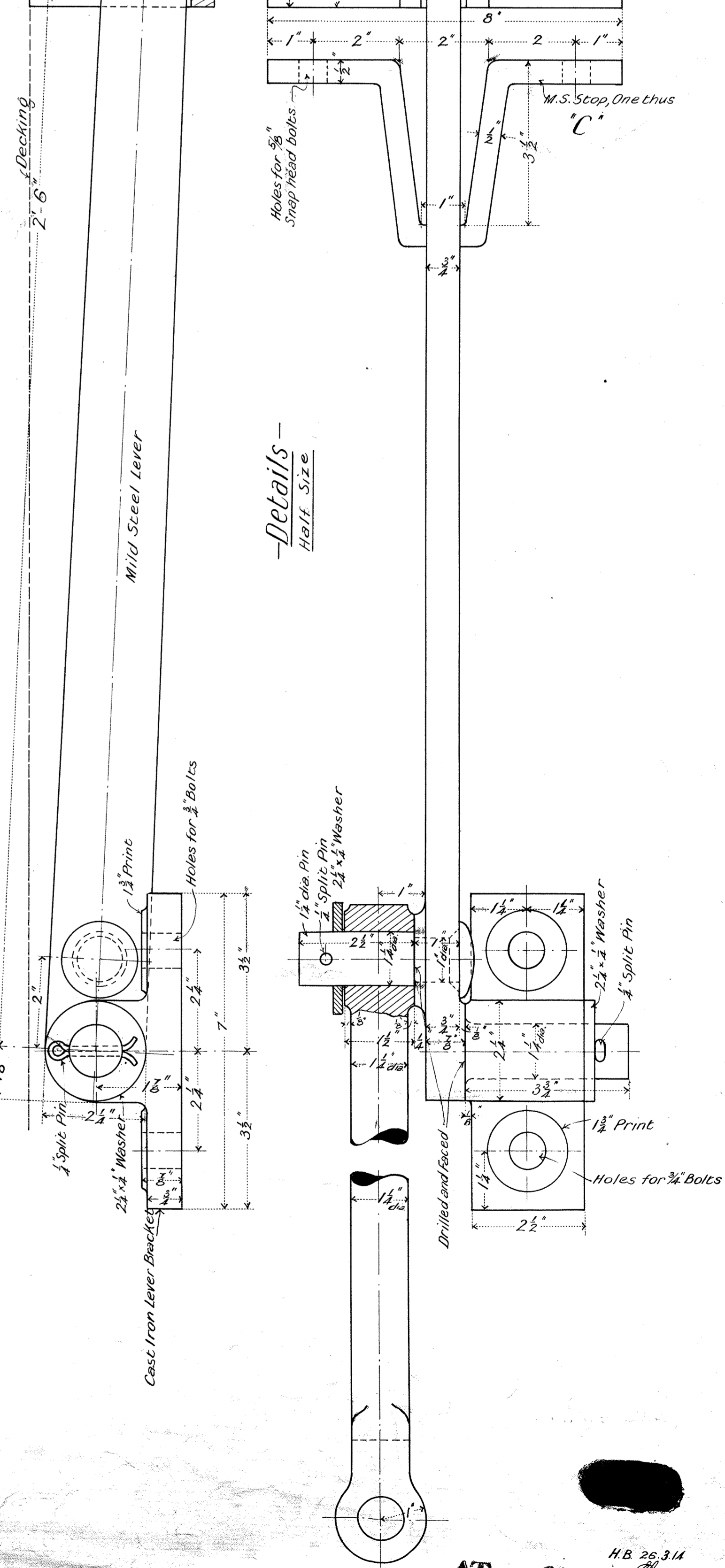
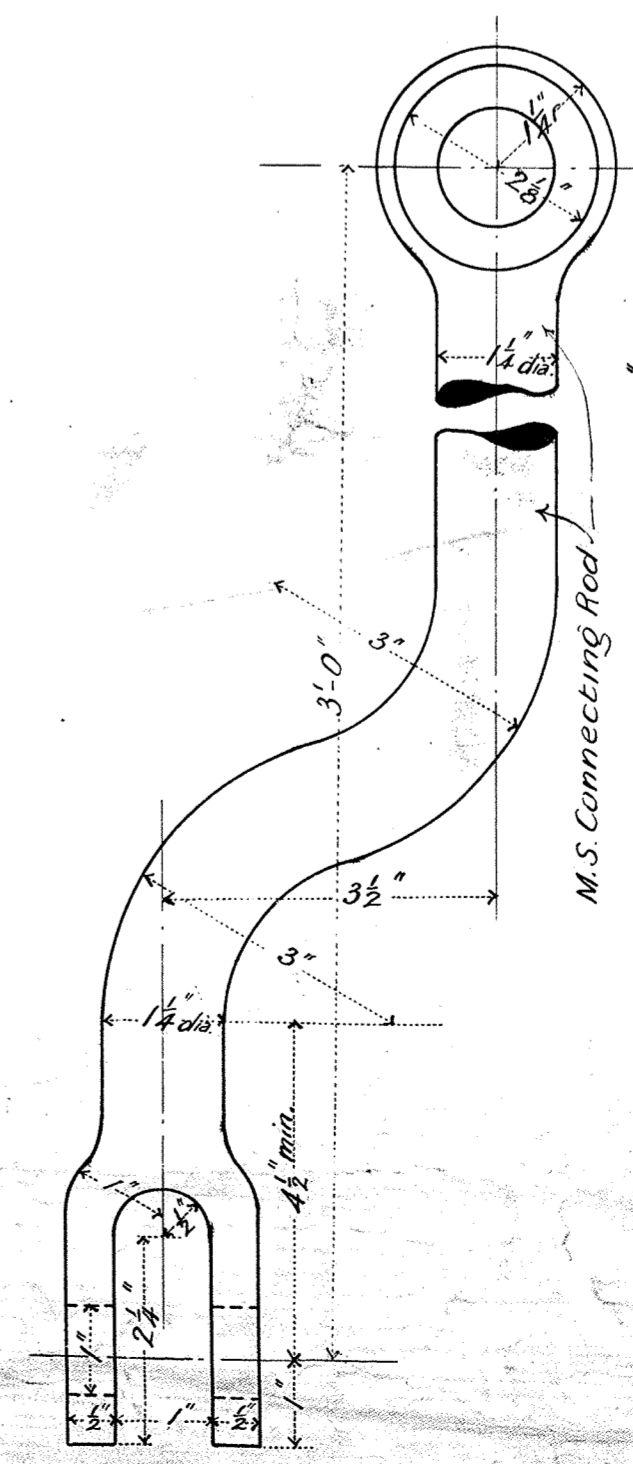
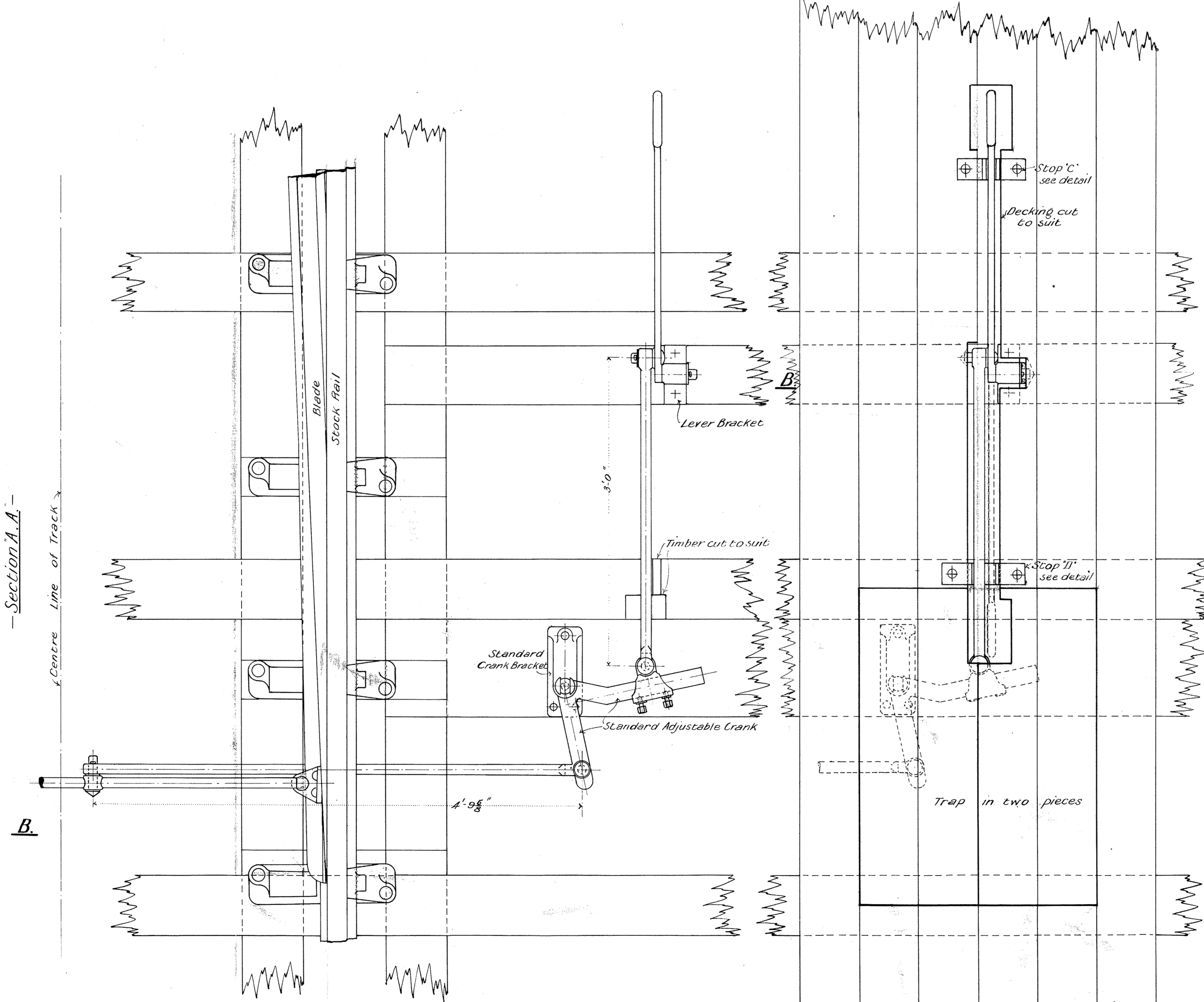
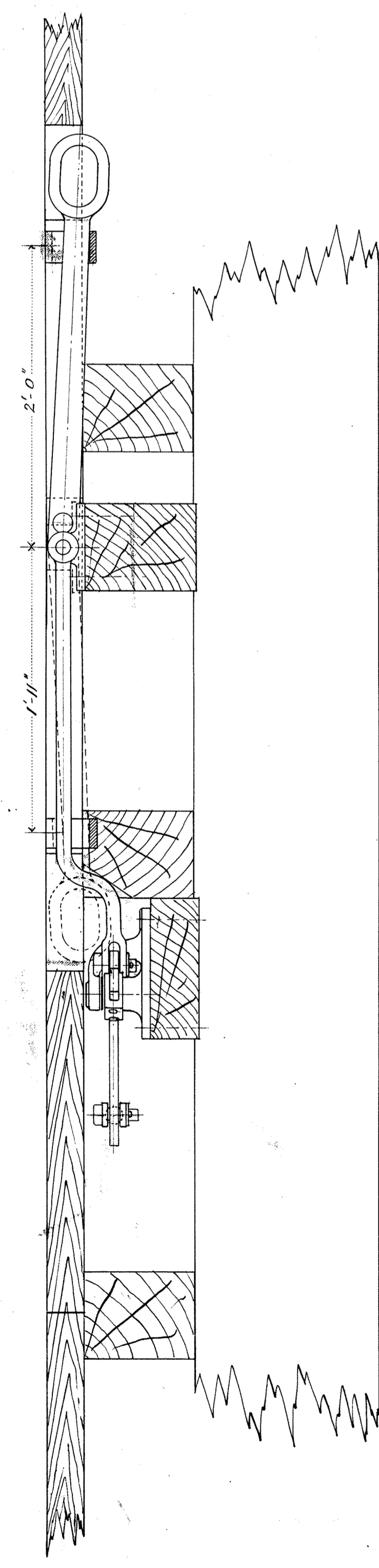
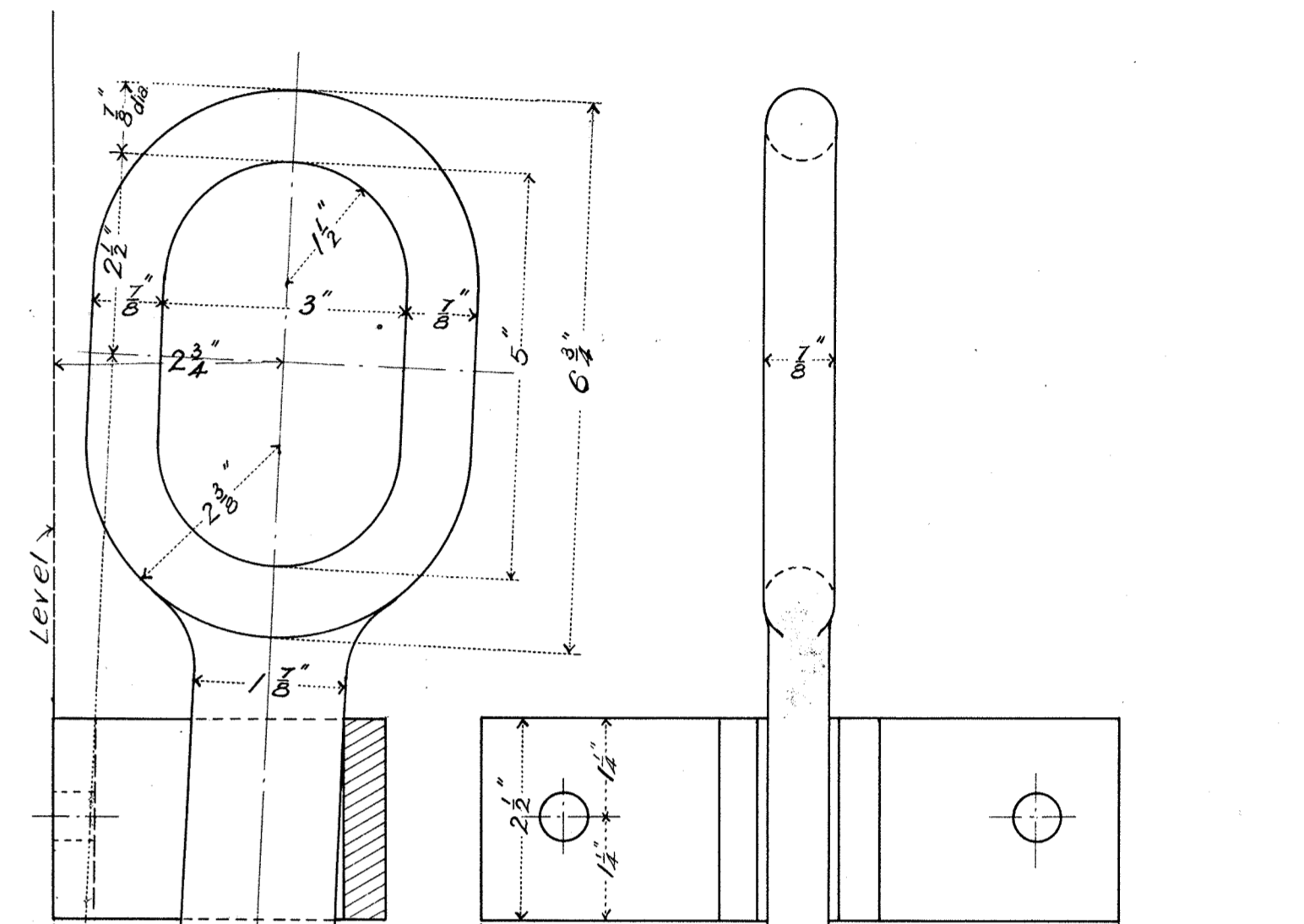
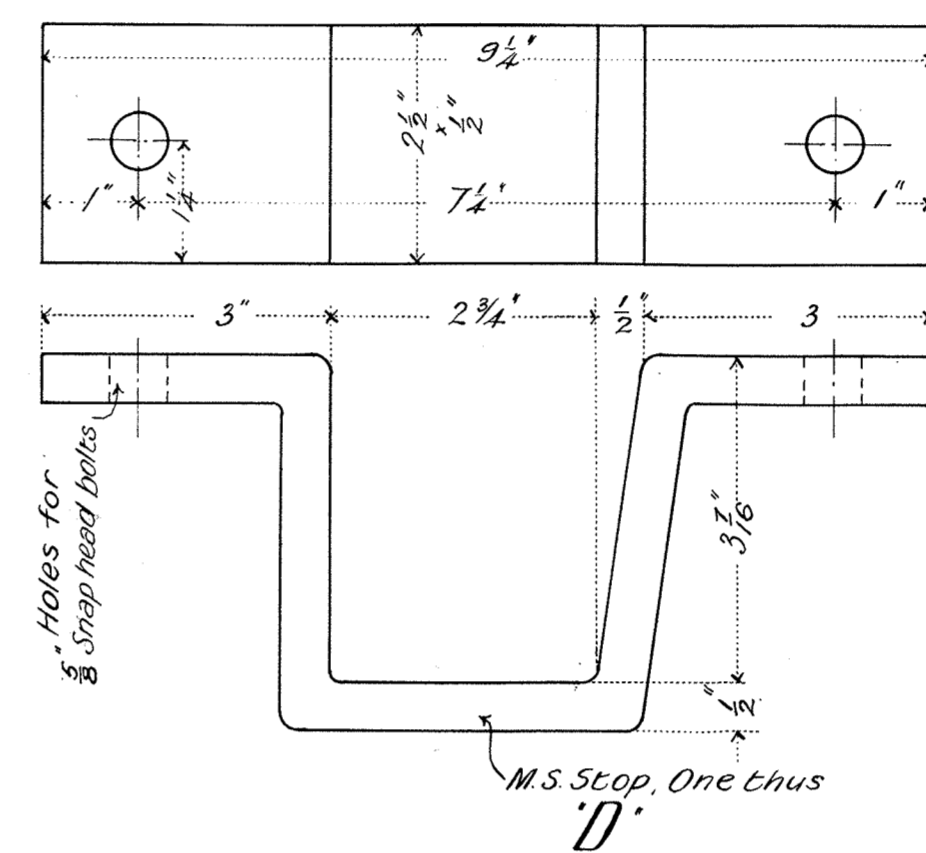
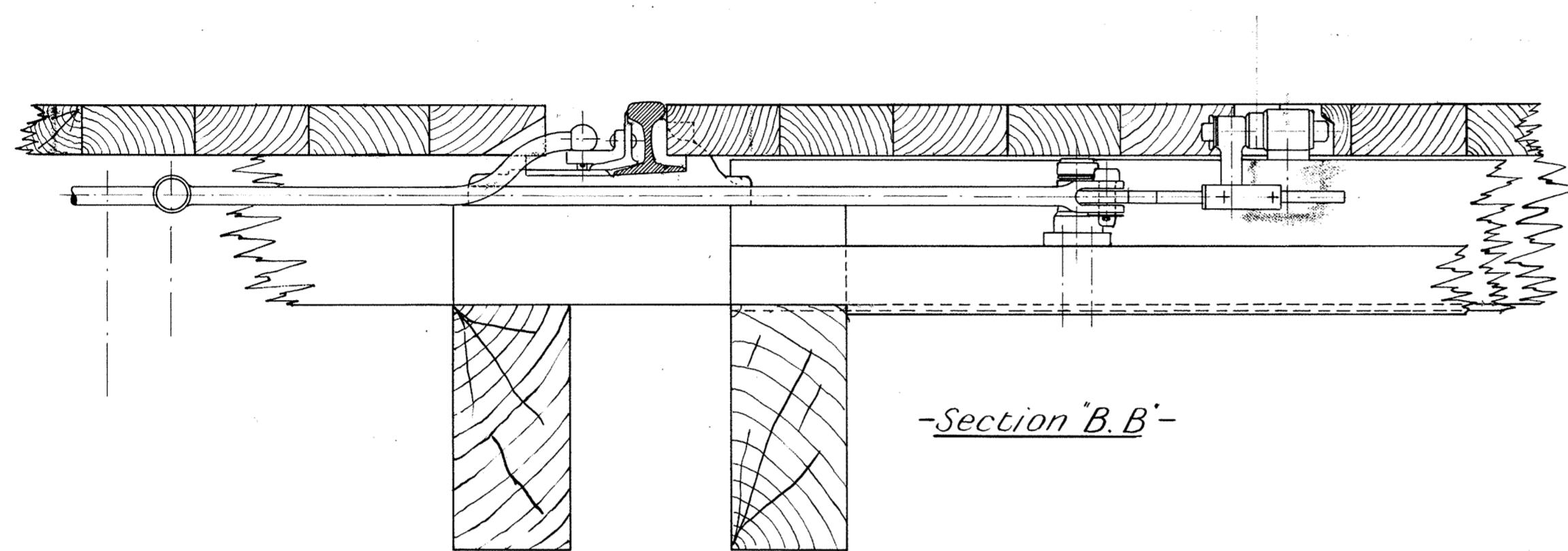
OFFICE

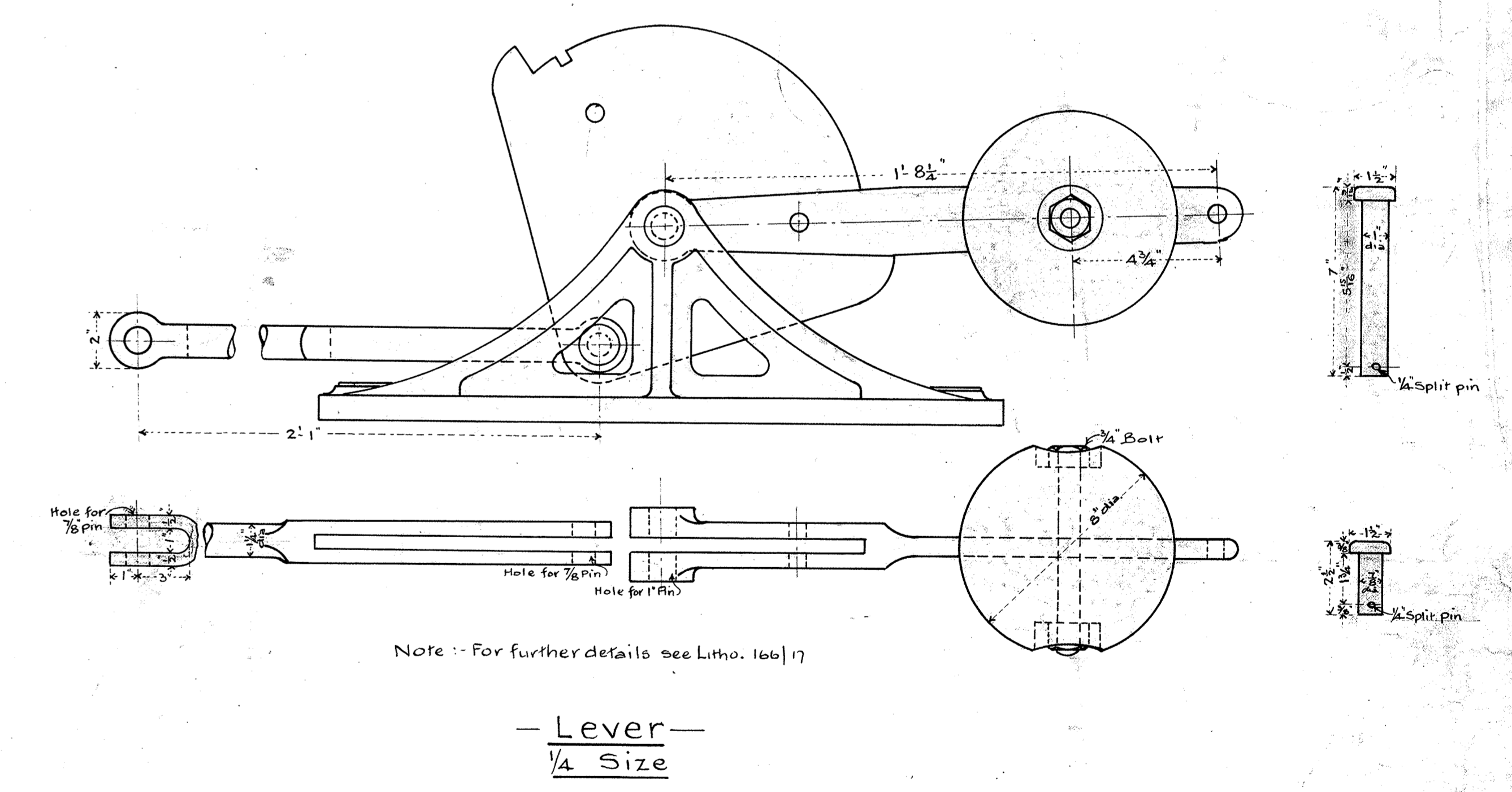
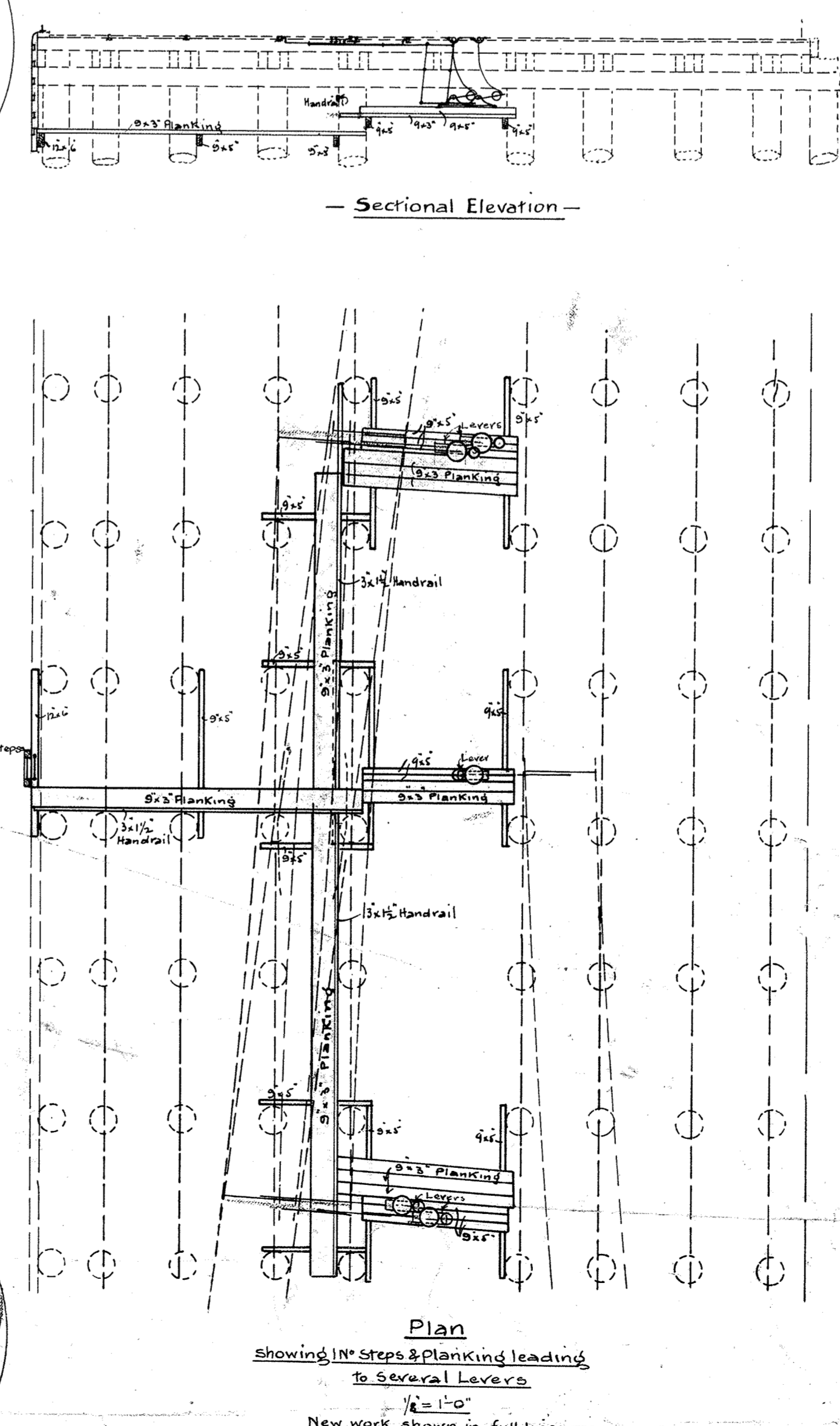
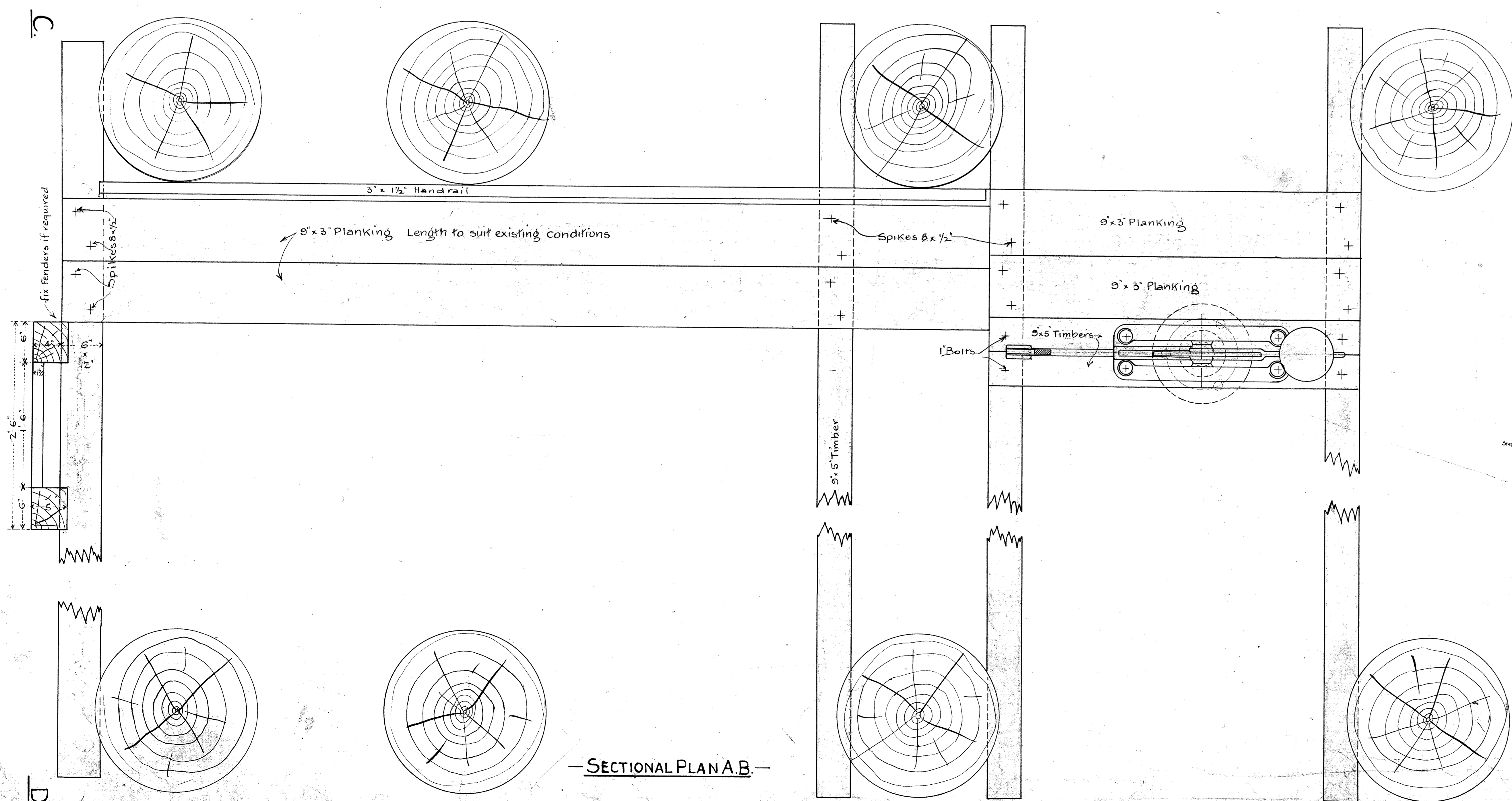
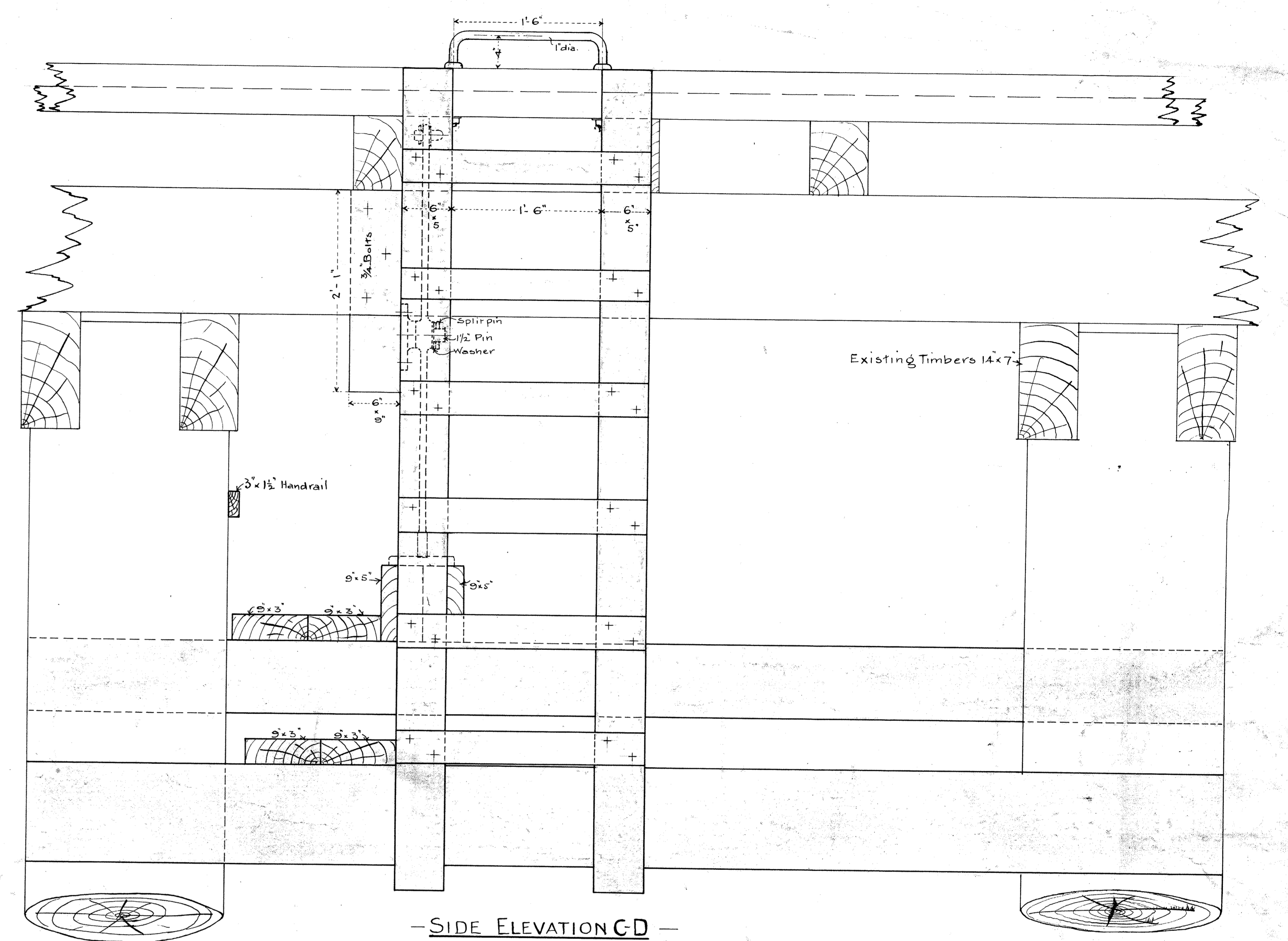
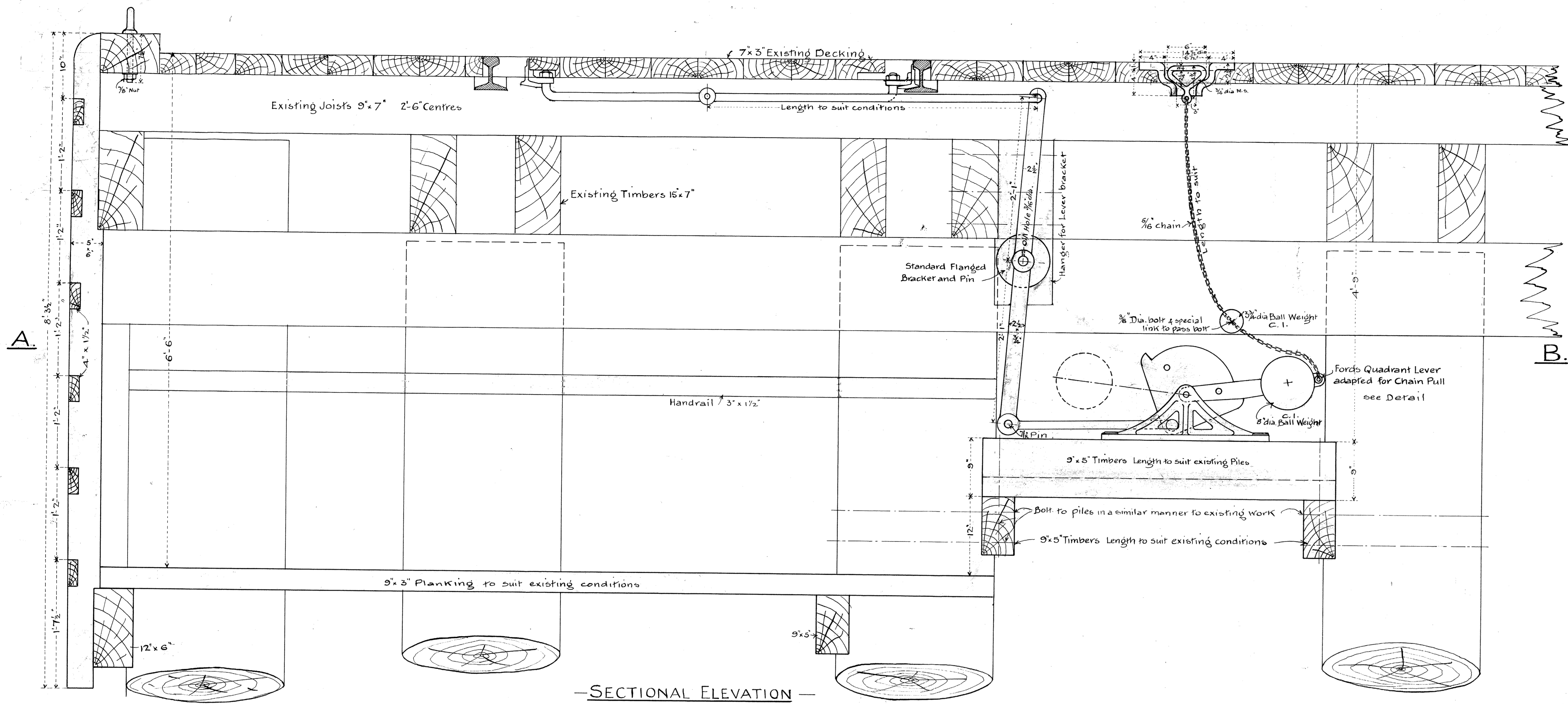
-V.R.-

- NEW PIER PORT MELBOURNE -

- Proposed Throwover Lever -

- Scales: 1 1/2" = 1' 0" & 6" = 1' 0" -





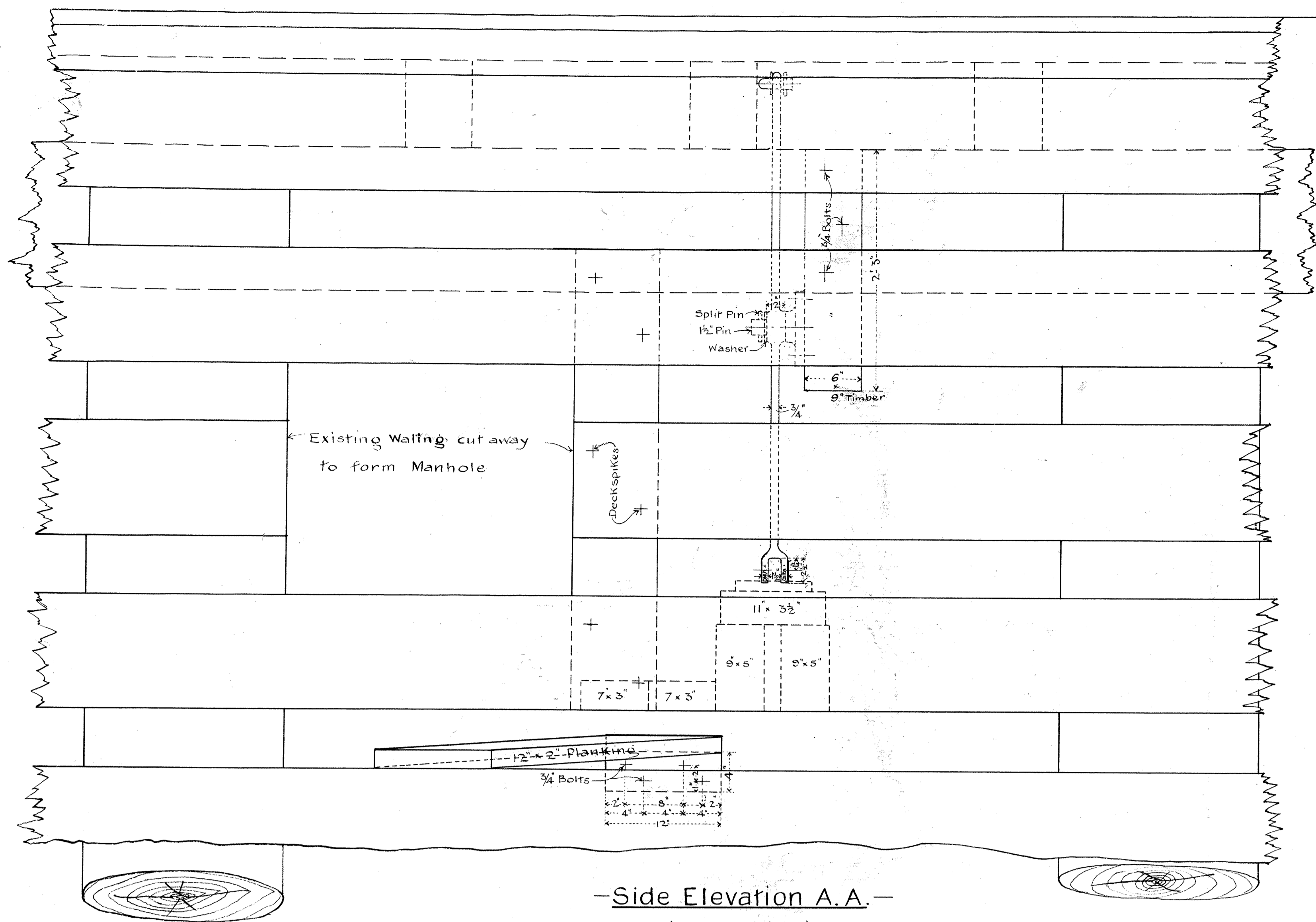
NOTE: This drawing is typical only and must be modified to suit each set of points as regards timbering and pull rods

— V.R. —
— NEW PIER PORT MELBOURNE —
— CHAIN PULL POINT LEVERS UNDER DECKING —

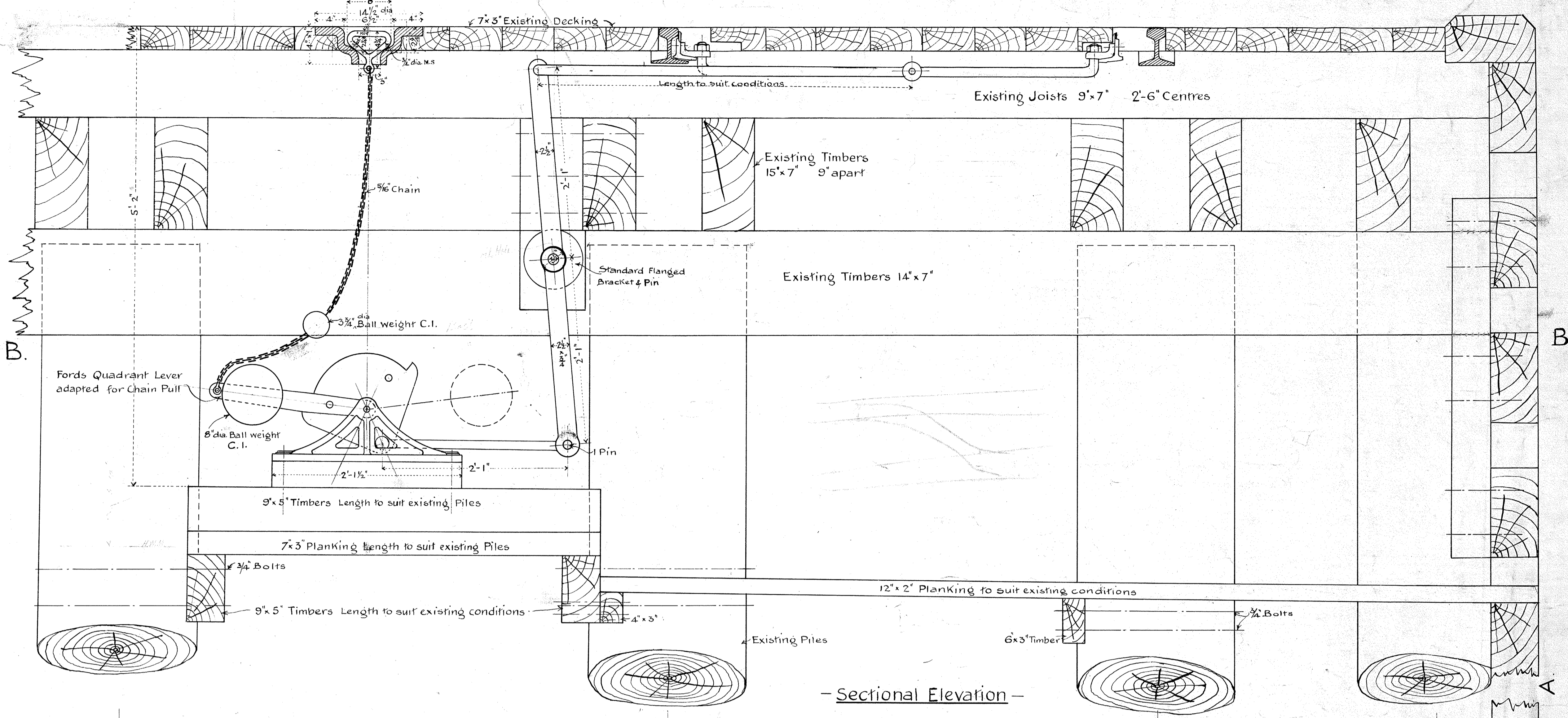
— Scales: 1/4 size, 1/8 size & 1/16" = 1'-0" —

W. H. ...
6.7.20

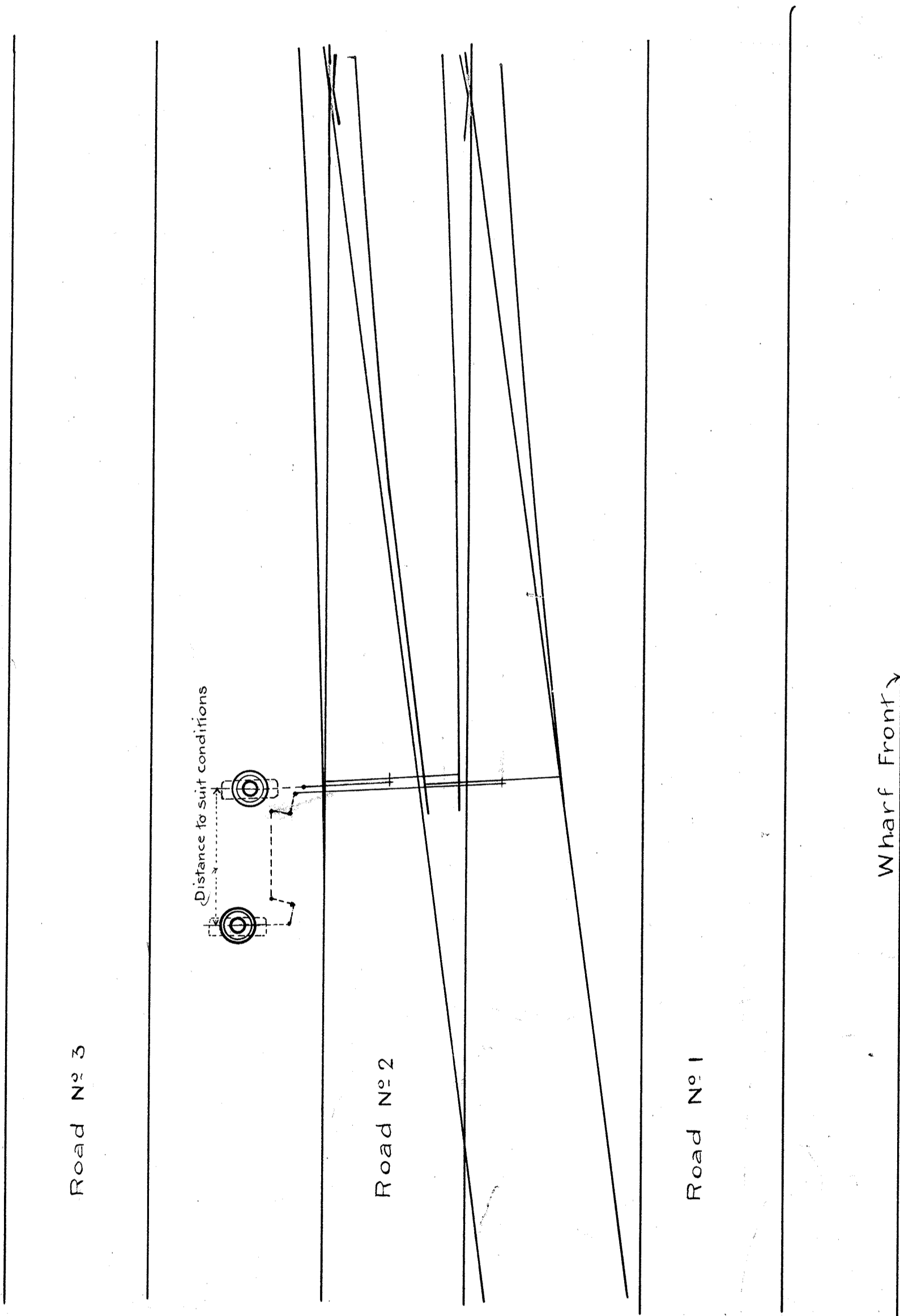
24.51-20



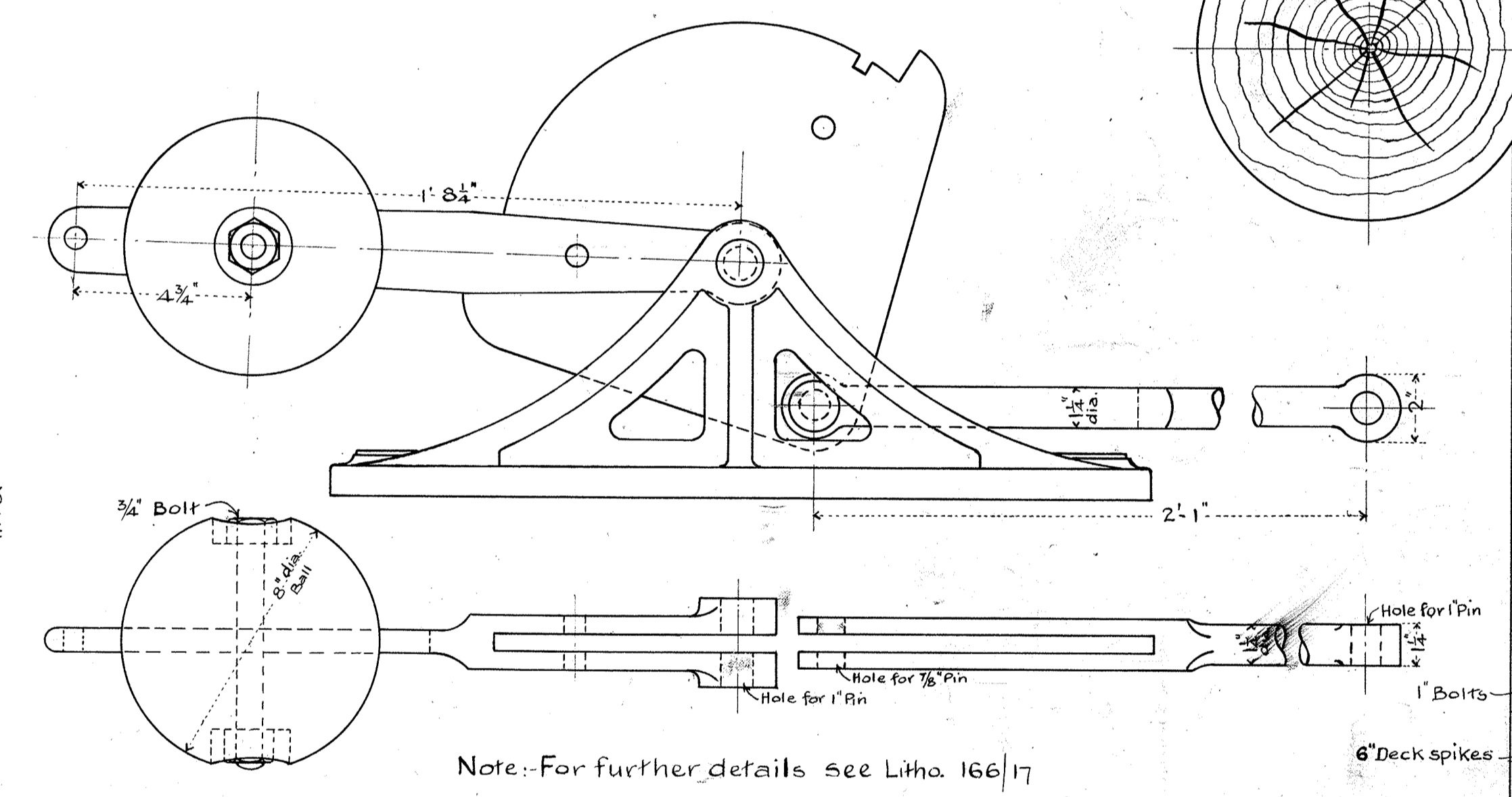
- Side Elevation A.A. -
(Wharf Front)



- Sectional Elevation -

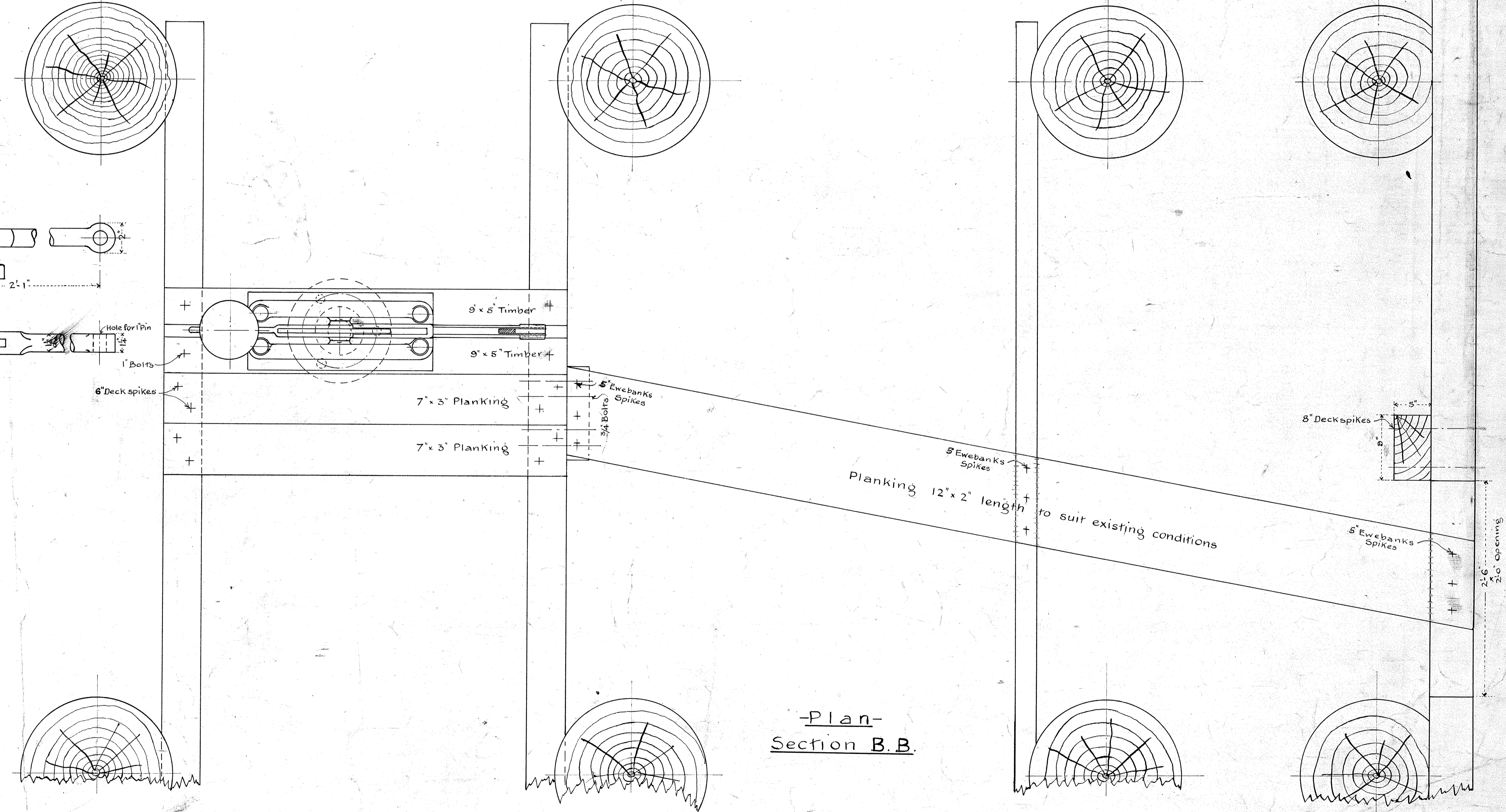


- Diagram of Double Compounds showing position of Levers -



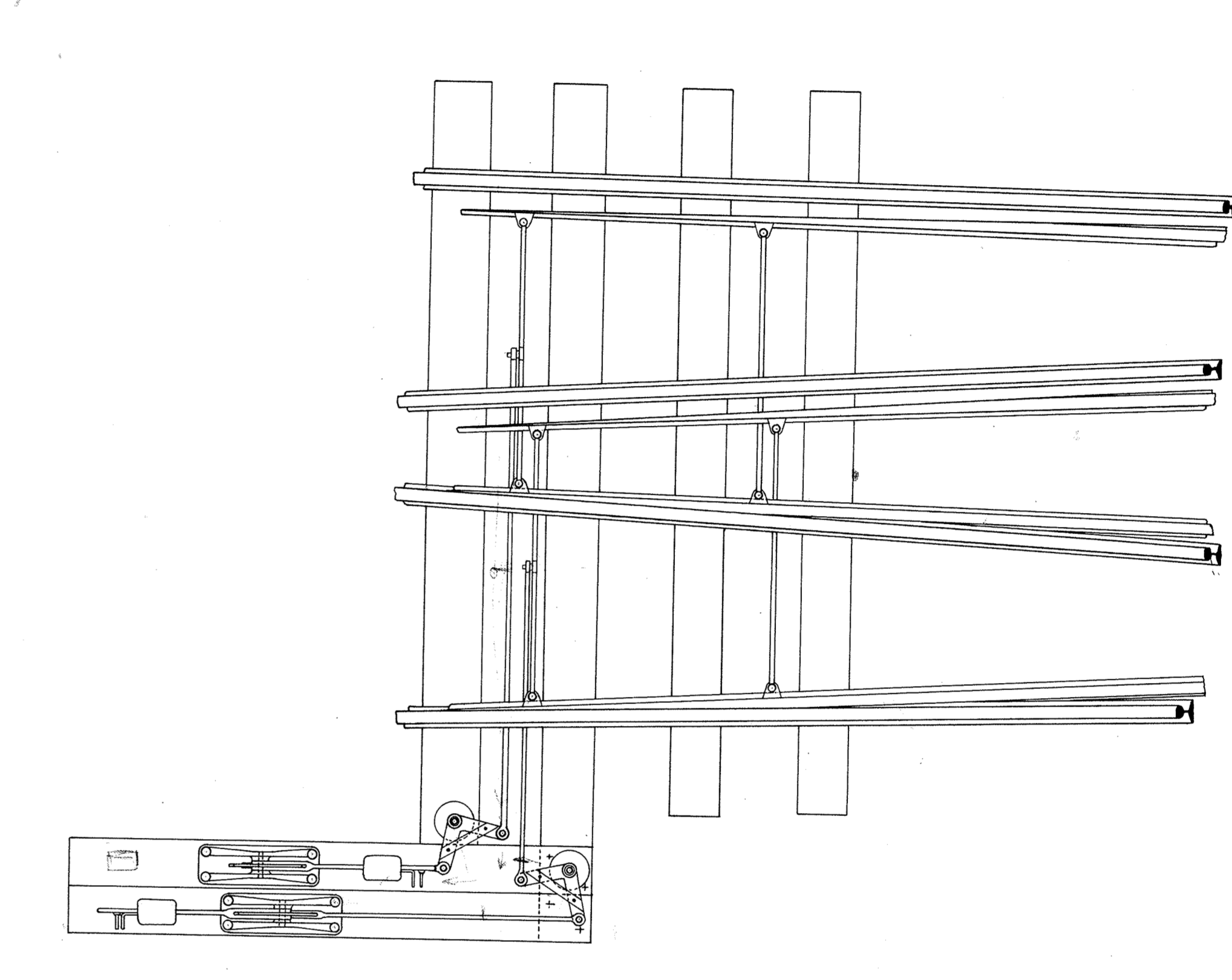
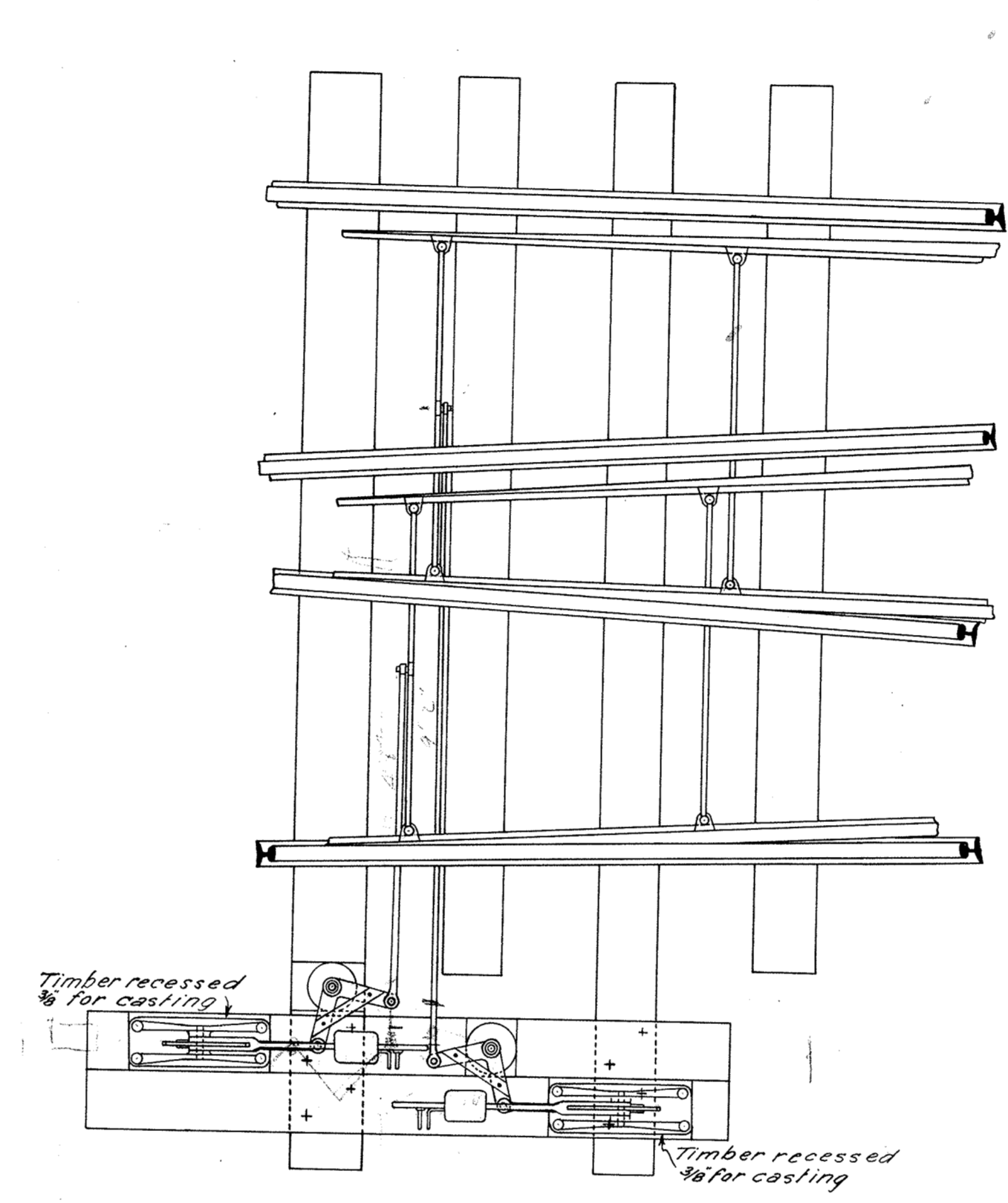
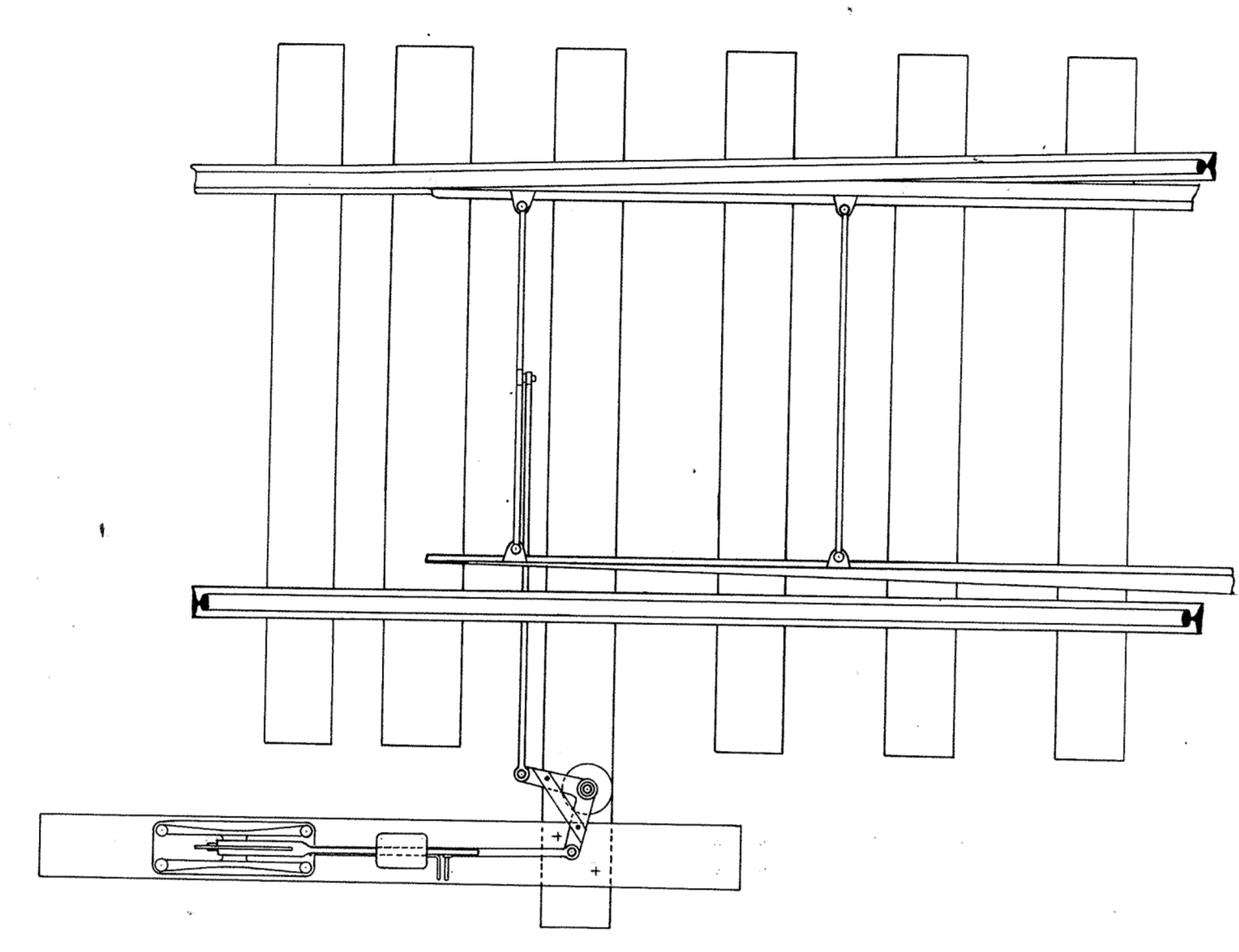
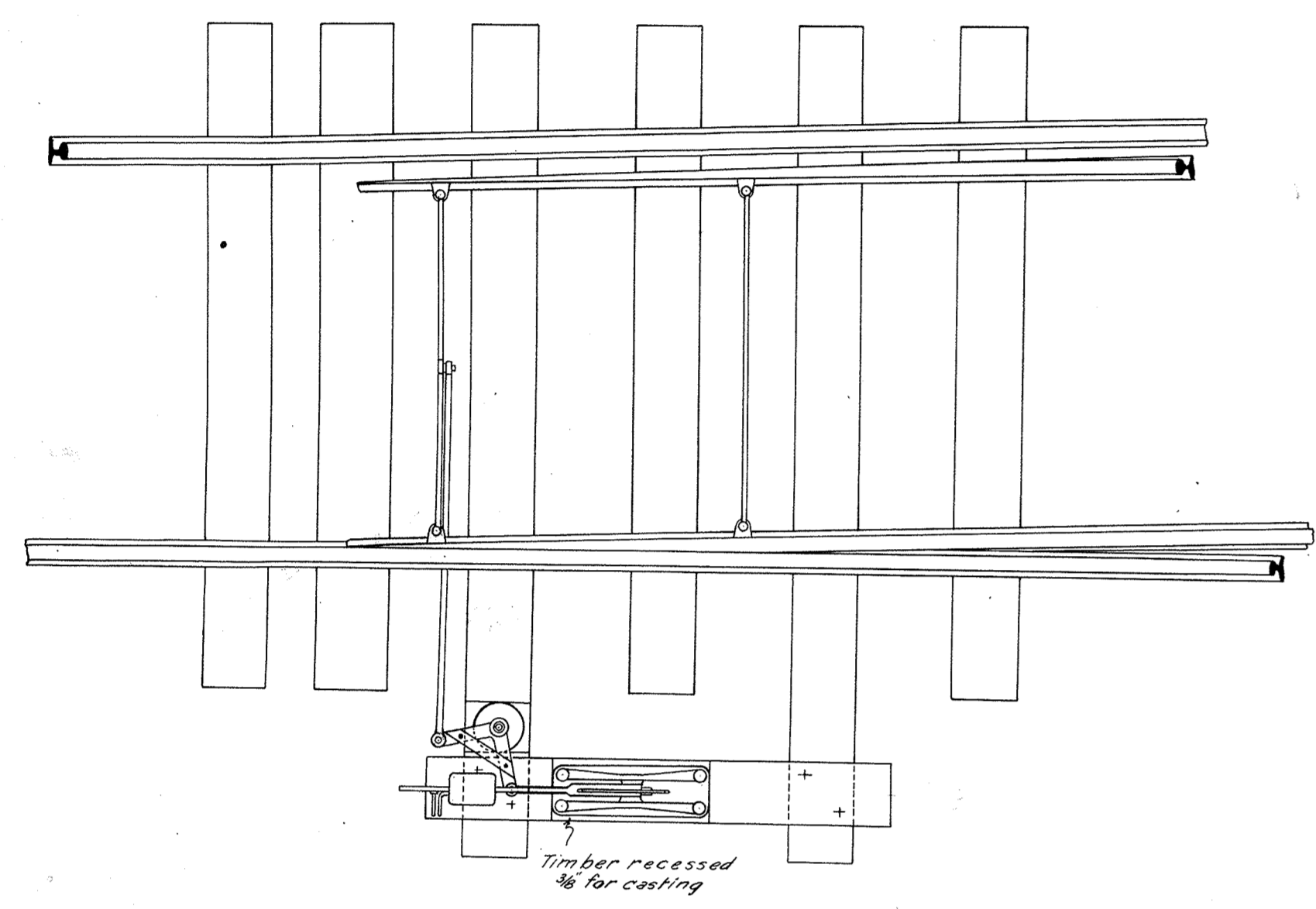
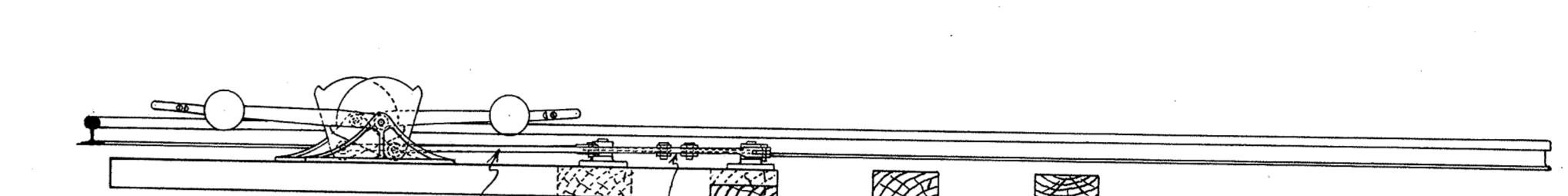
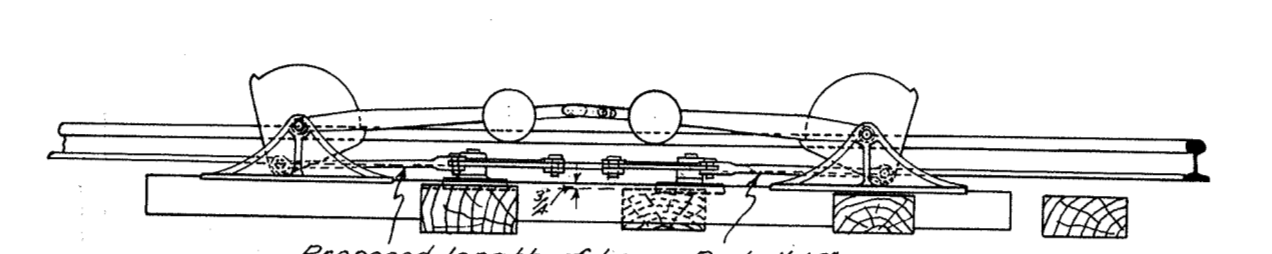
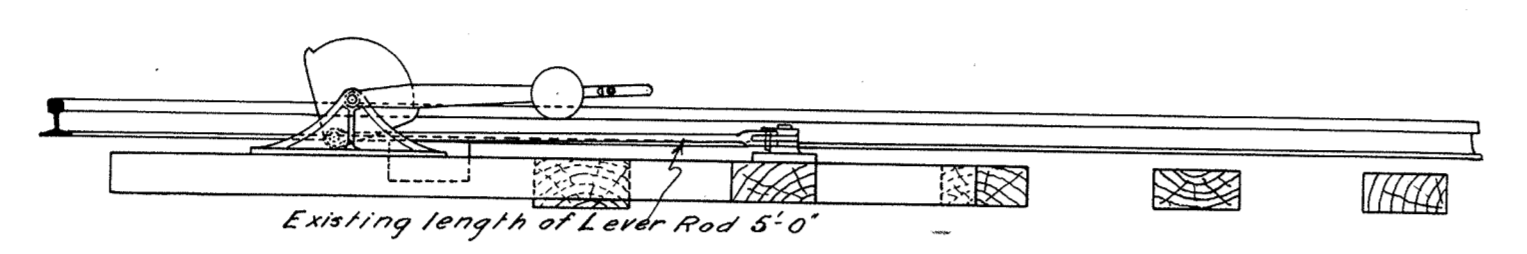
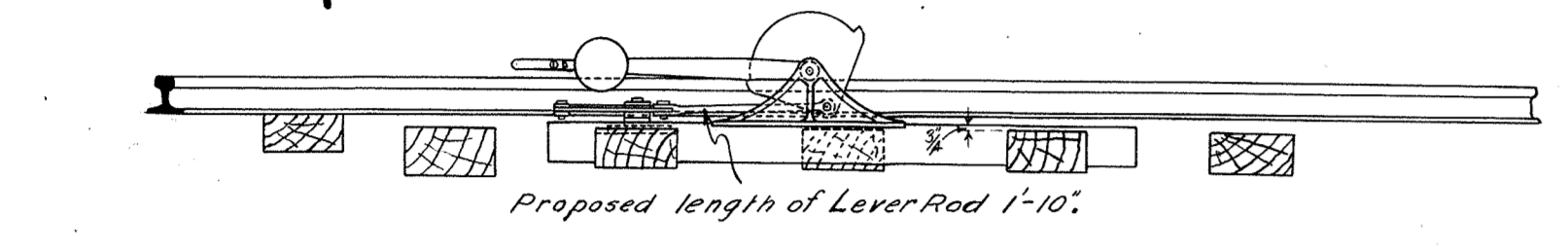
- Lever -
1/4 Size

Notes: - This drawing is typical only and must be modified to suit each set of Points



- Plan -
Section B.B.

- V. R. -
- VICTORIA DOCK -
- PROPOSED CHAIN PULL POINT LEVERS UNDER DECKING -

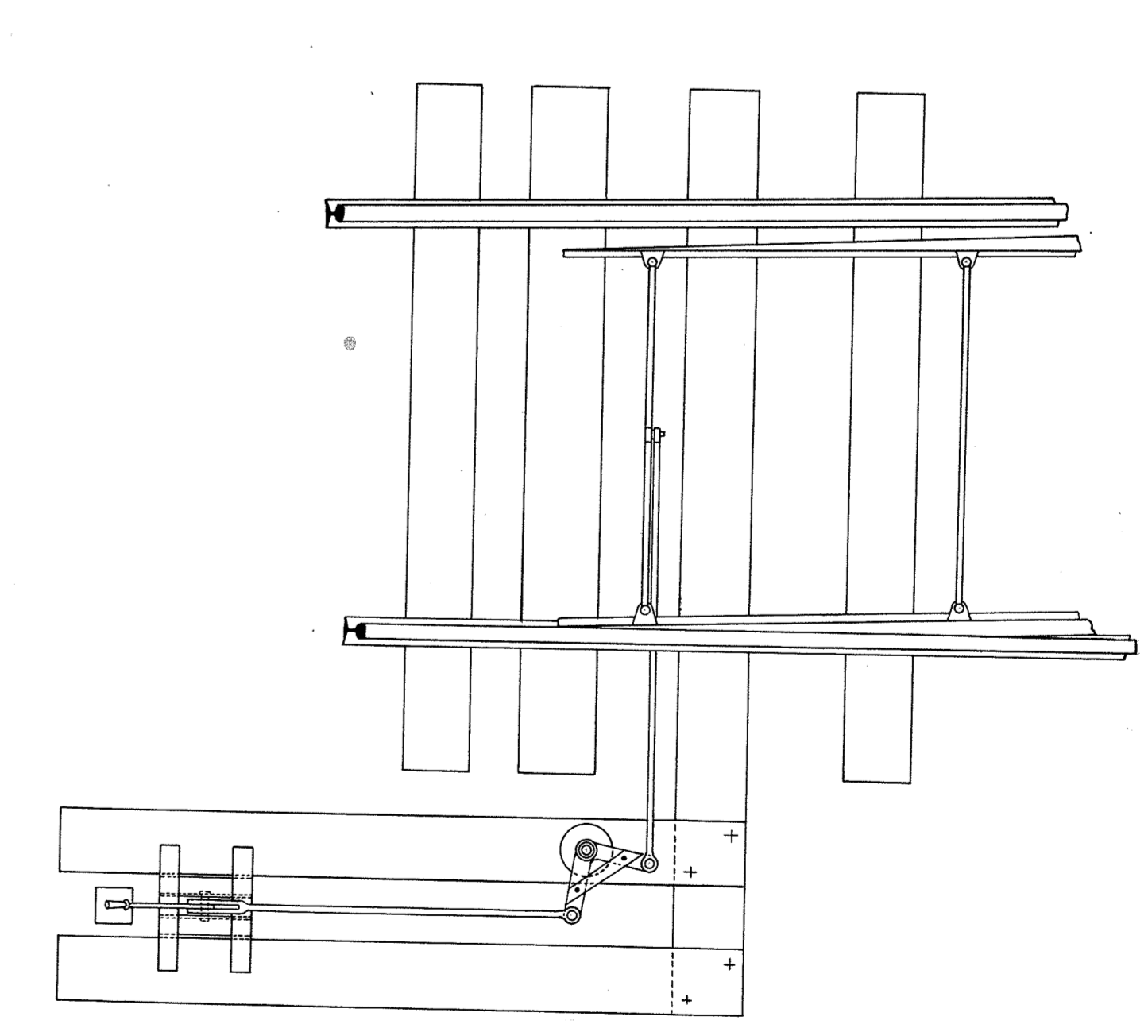
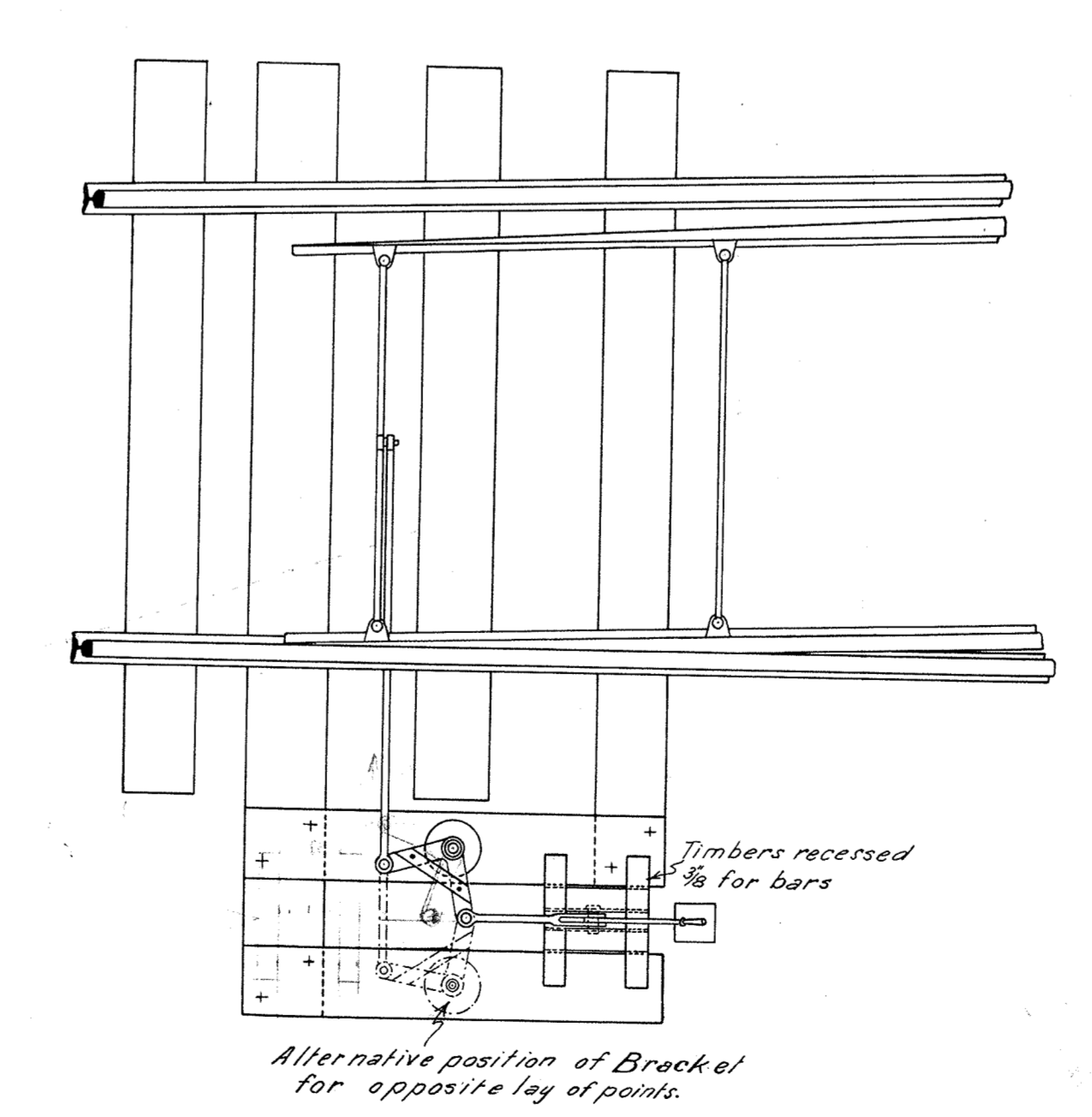
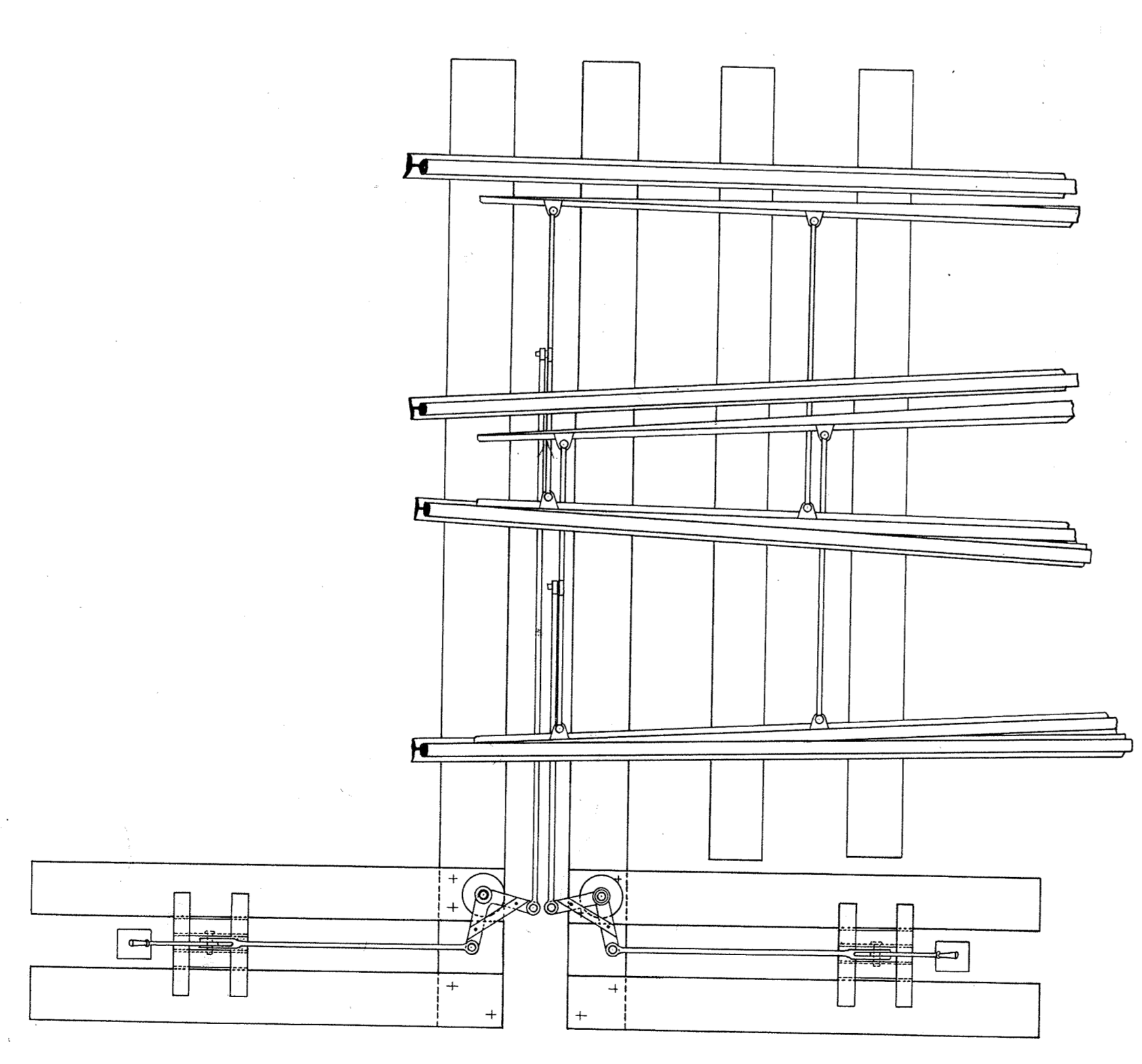
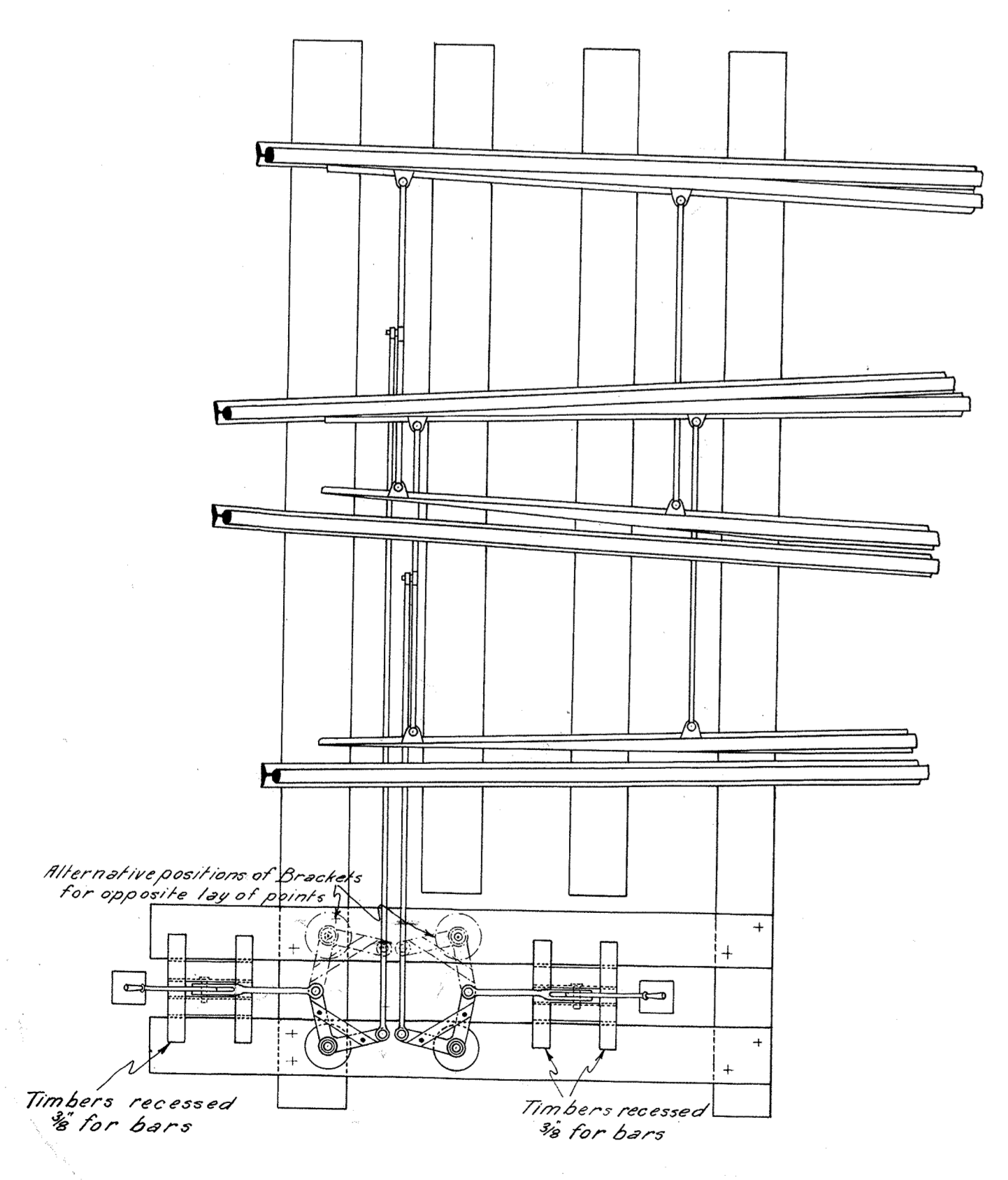
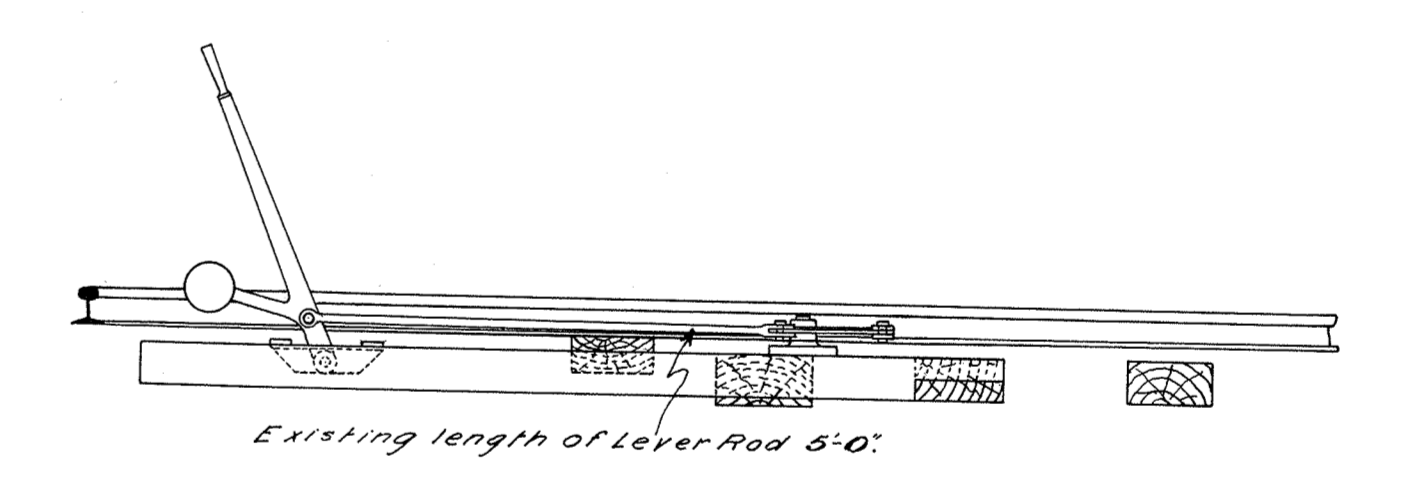
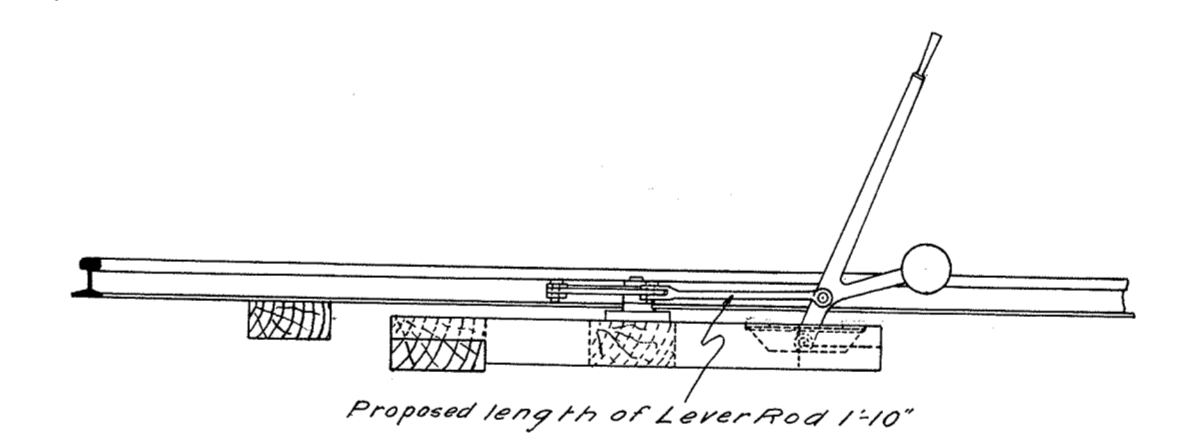
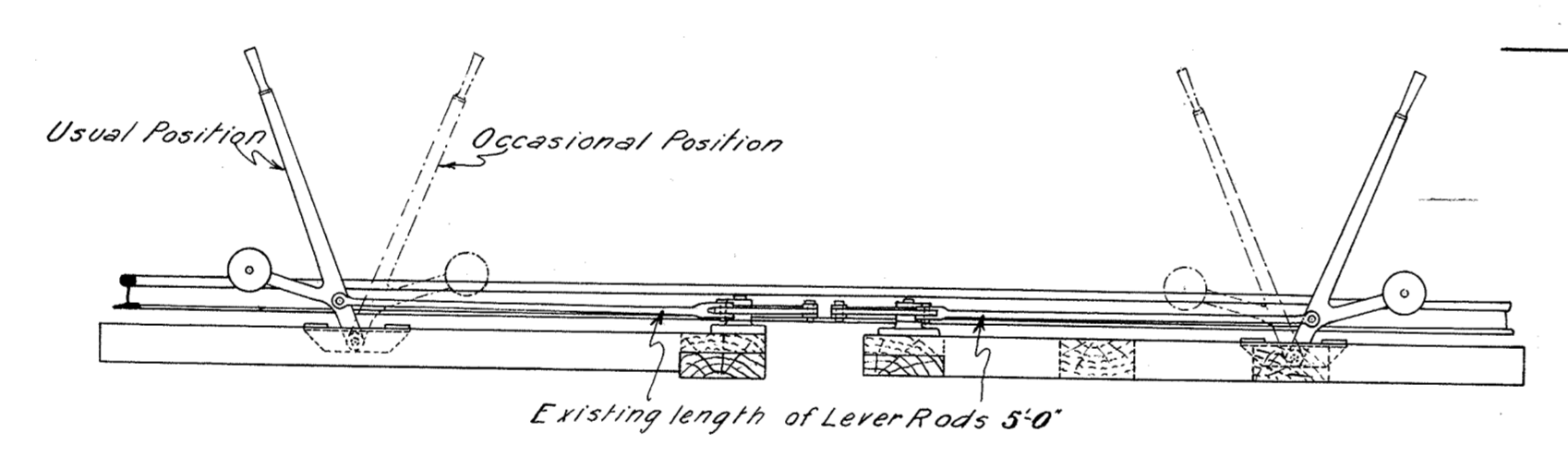
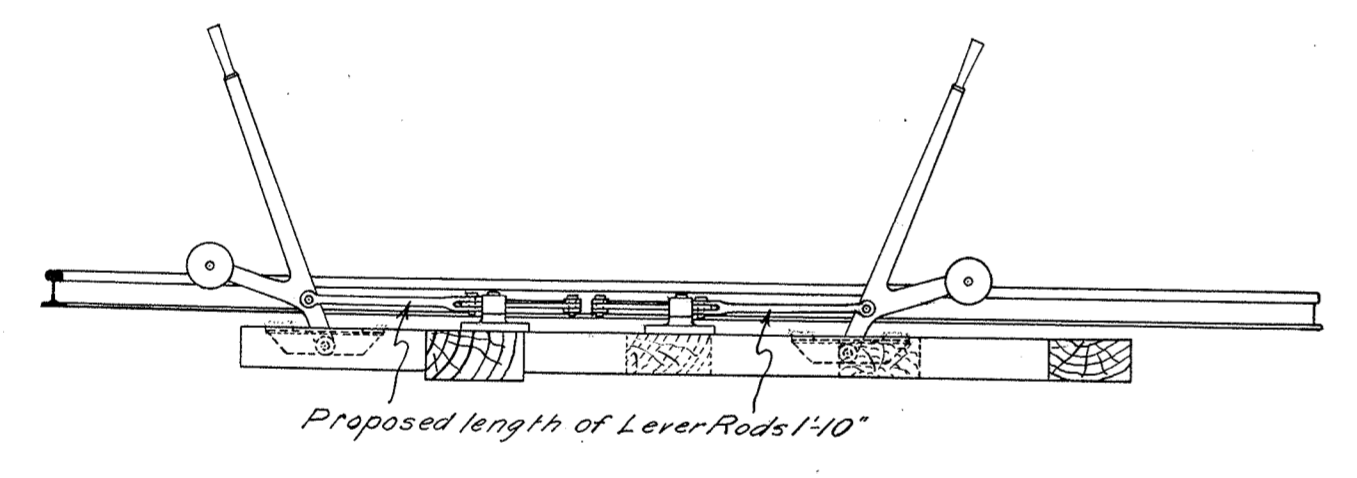


QUADRANT LEVER AT TURNOUT
Proposed Method of Fixing

QUADRANT LEVER AT TURNOUT
Usual Method of Fixing

QUADRANT LEVERS AT DOUBLE COMPOUND
Proposed Method of Fixing

QUADRANT LEVERS AT DOUBLE COMPOUND
Usual Method of Fixing



SPUR LEVERS AT DOUBLE COMPOUND
Proposed Method of Fixing

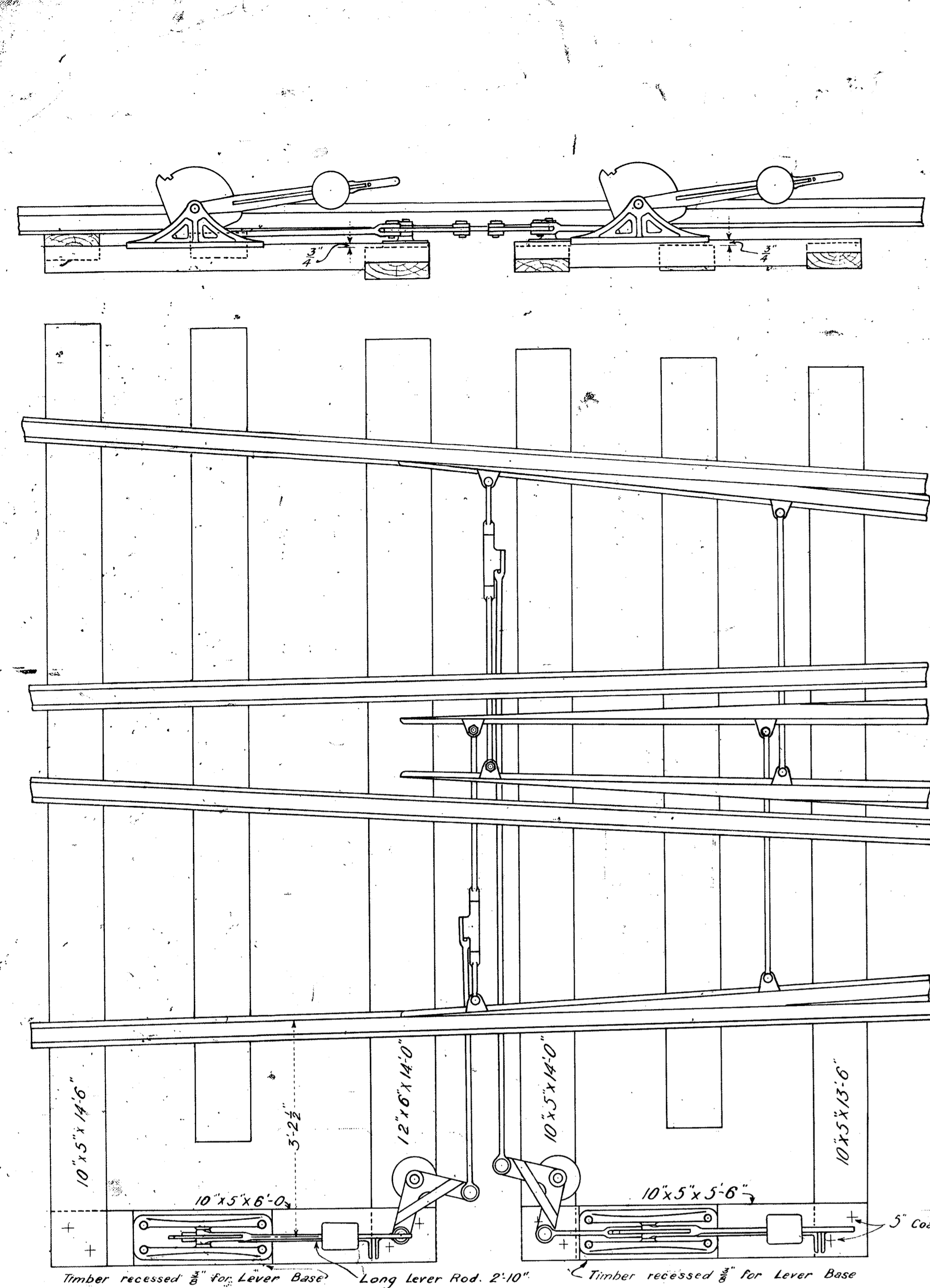
SPUR LEVERS AT DOUBLE COMPOUND
Usual Method of Fixing

SPUR LEVER AT TURNOUT
Proposed Method of Fixing

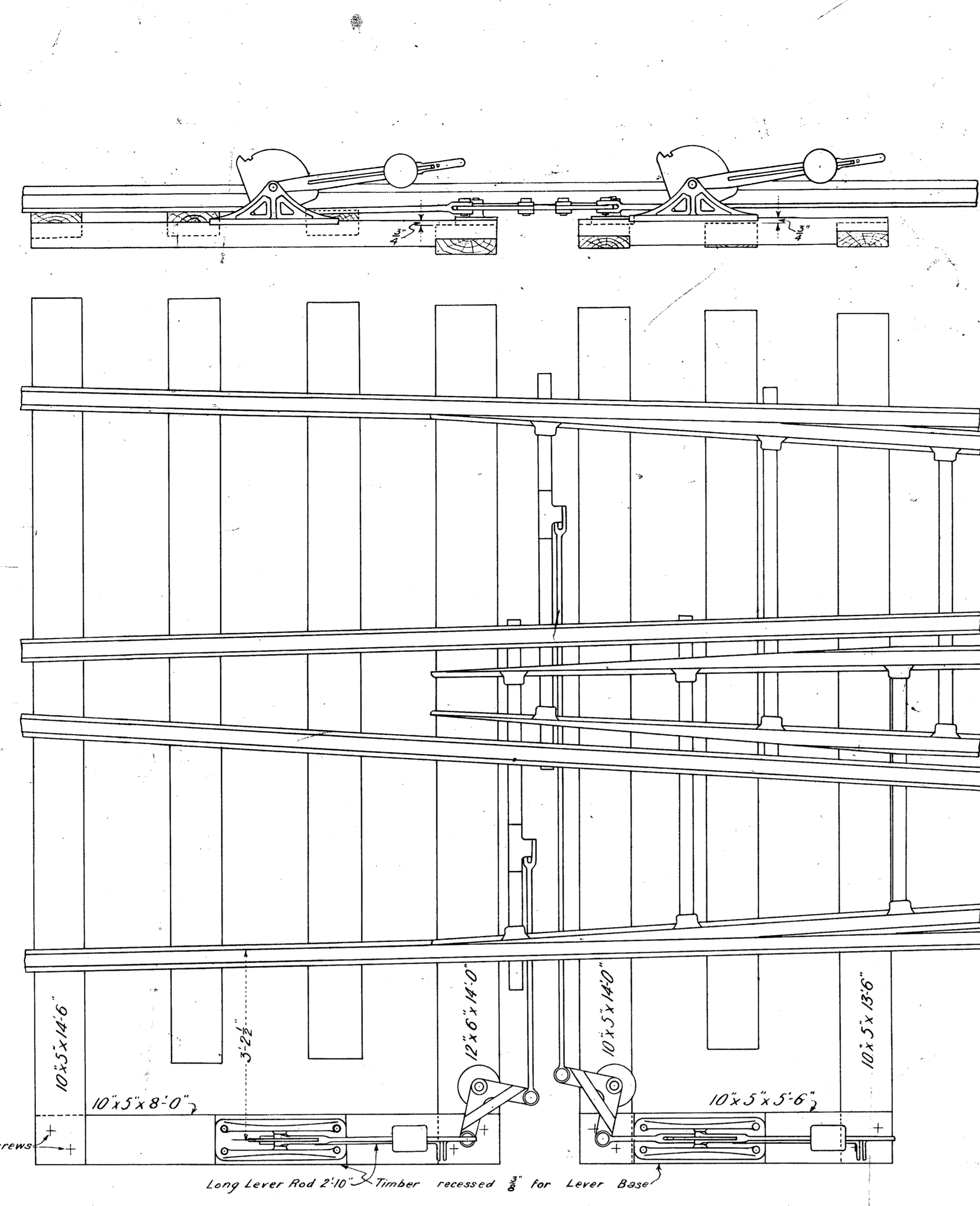
SPUR LEVER AT TURNOUT
Usual Method of Fixing

V.R.
LEVERS FOR HAND POINTS
PROPOSED SHORTENING OF LEVER ROD.
SUGGESTION 23/4090.B
Scale 5"-1"

Mechanical Water Supply Engineer

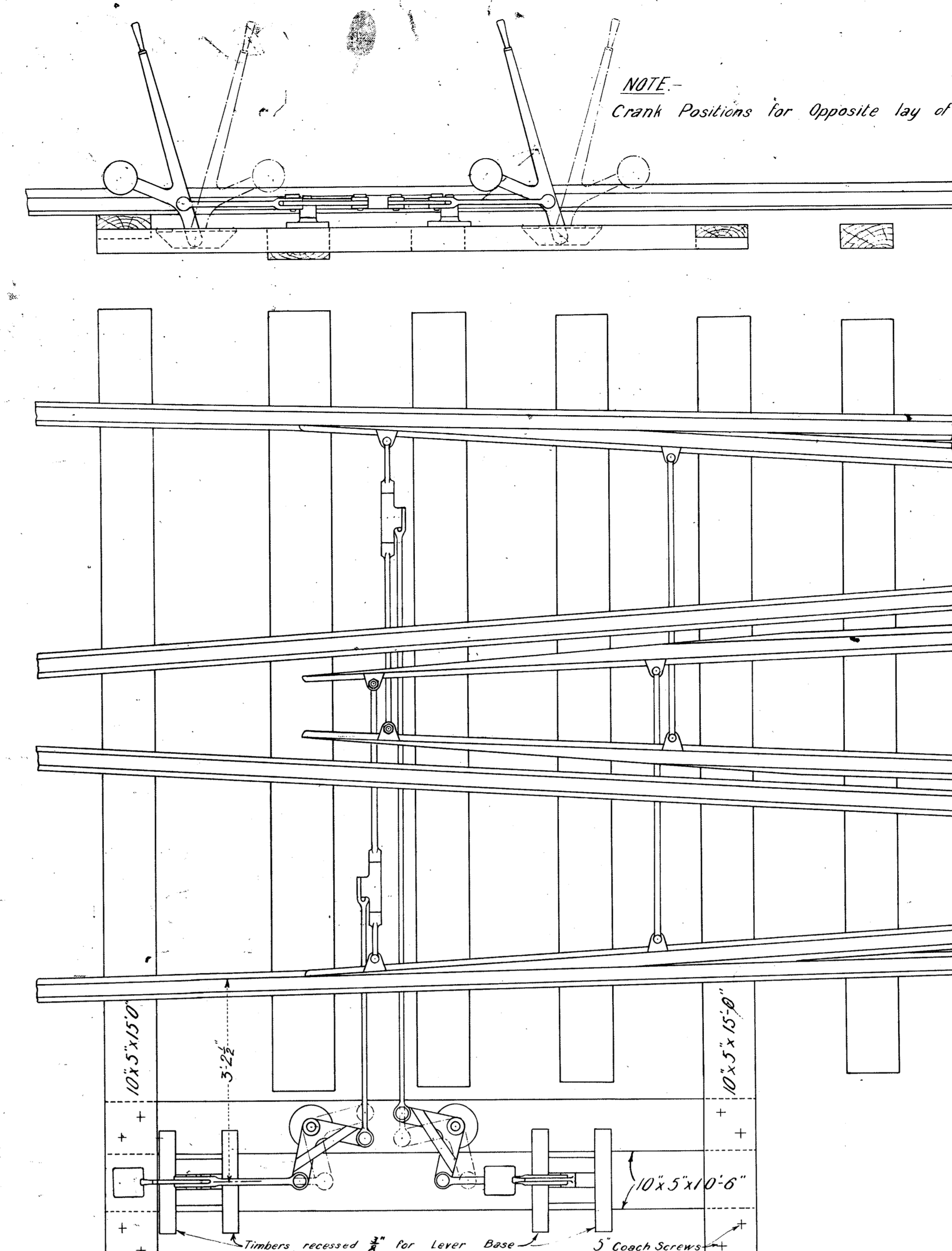


— "X" Layout —

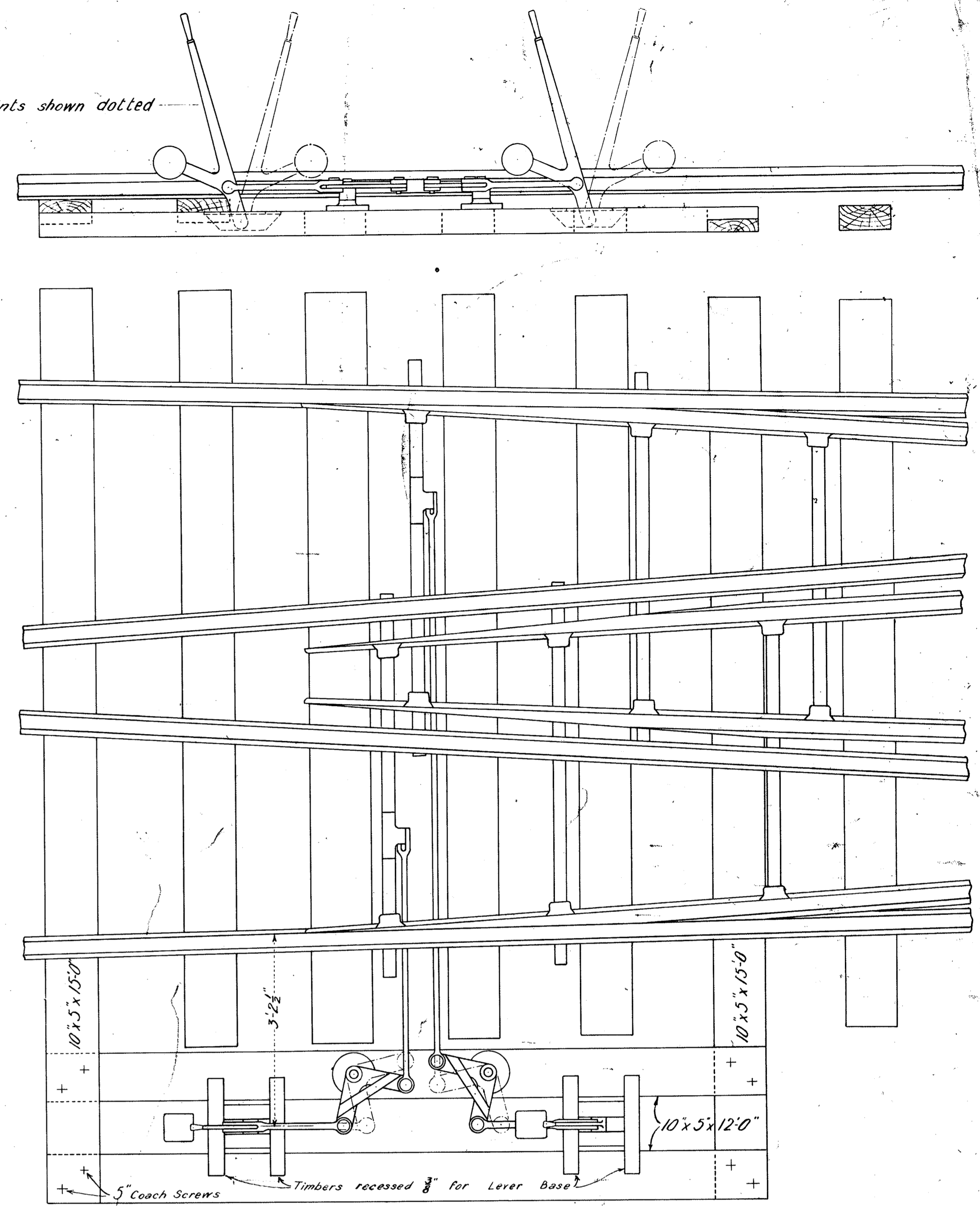


— "Y" Layout —

— Quadrant Levers —



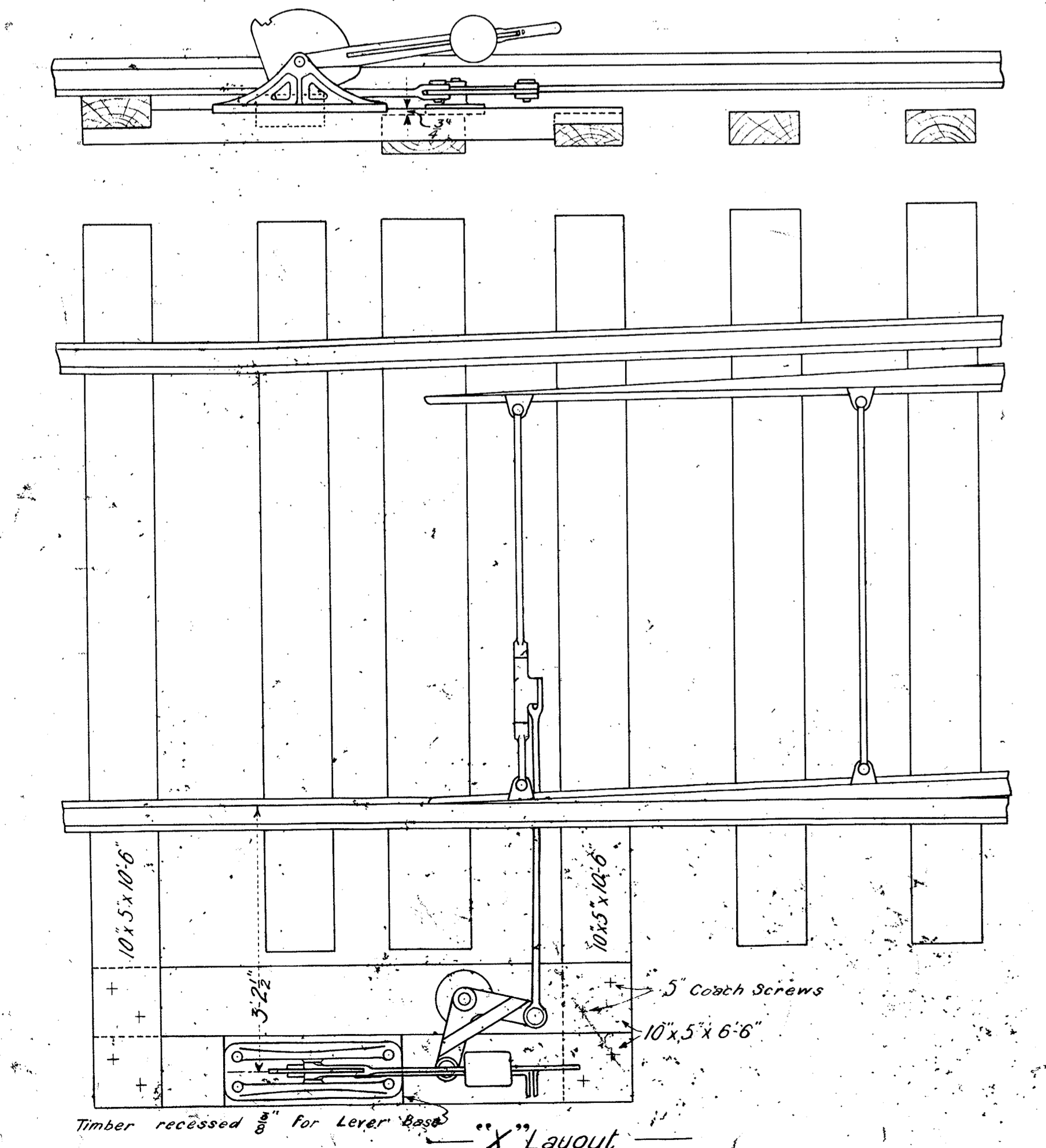
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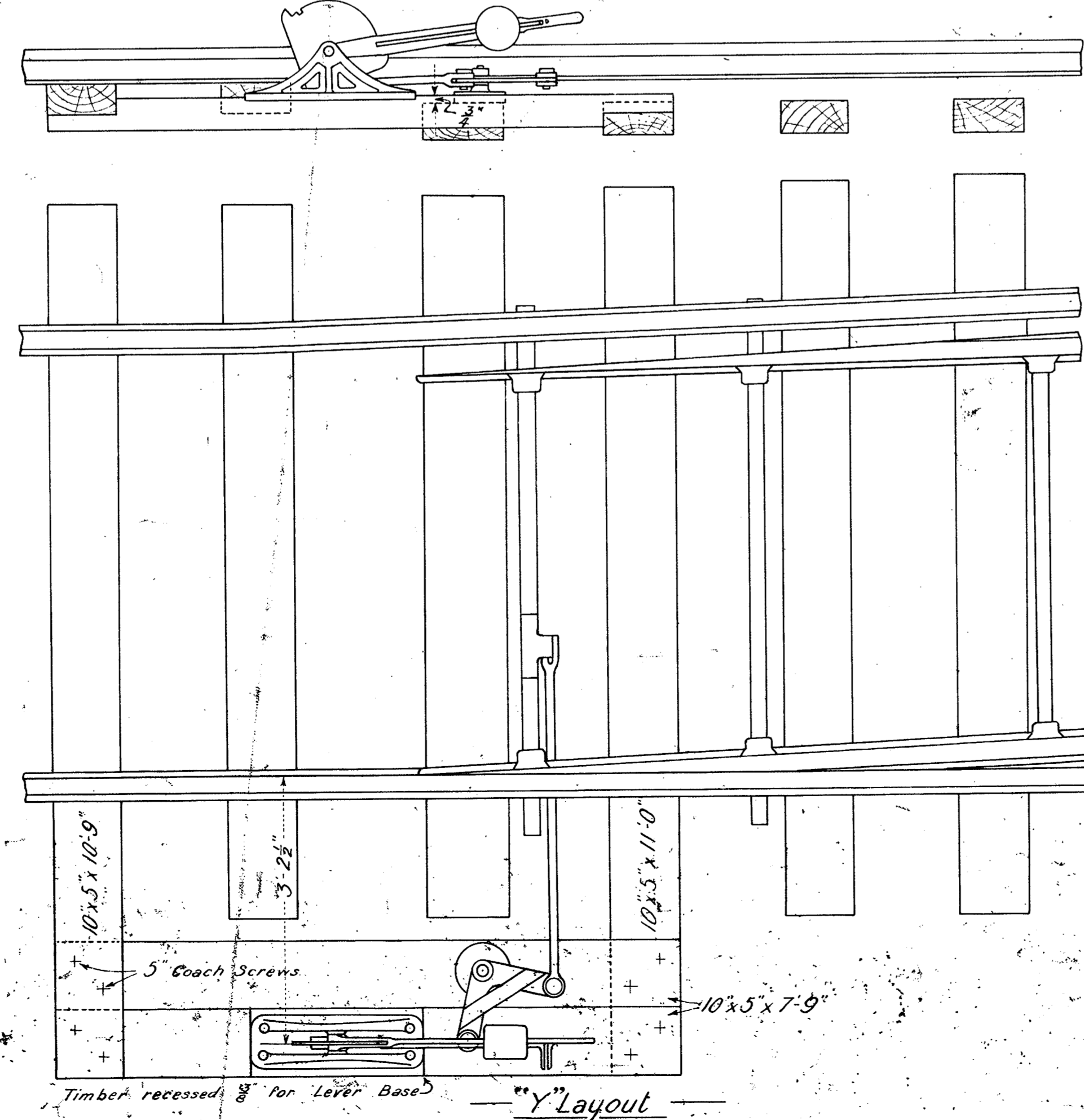
— "Y" Layout —

— Spur Levers —

NOTE— When Levers are being set in position, particular attention must be given to the setting of the base of the Levers so that the weight is suspended clear of Lever Rod or Crank when the Blade of the Points is against the Stock Rail.
 When the handles of Quadrant Levers at Double Compounds are lying inwards, the distance between the ends of the handles must not be less than 6".
 When ordering Spreaders refer to Blue Prints Nos F1240 & F1268 and quote numbers shown thereon



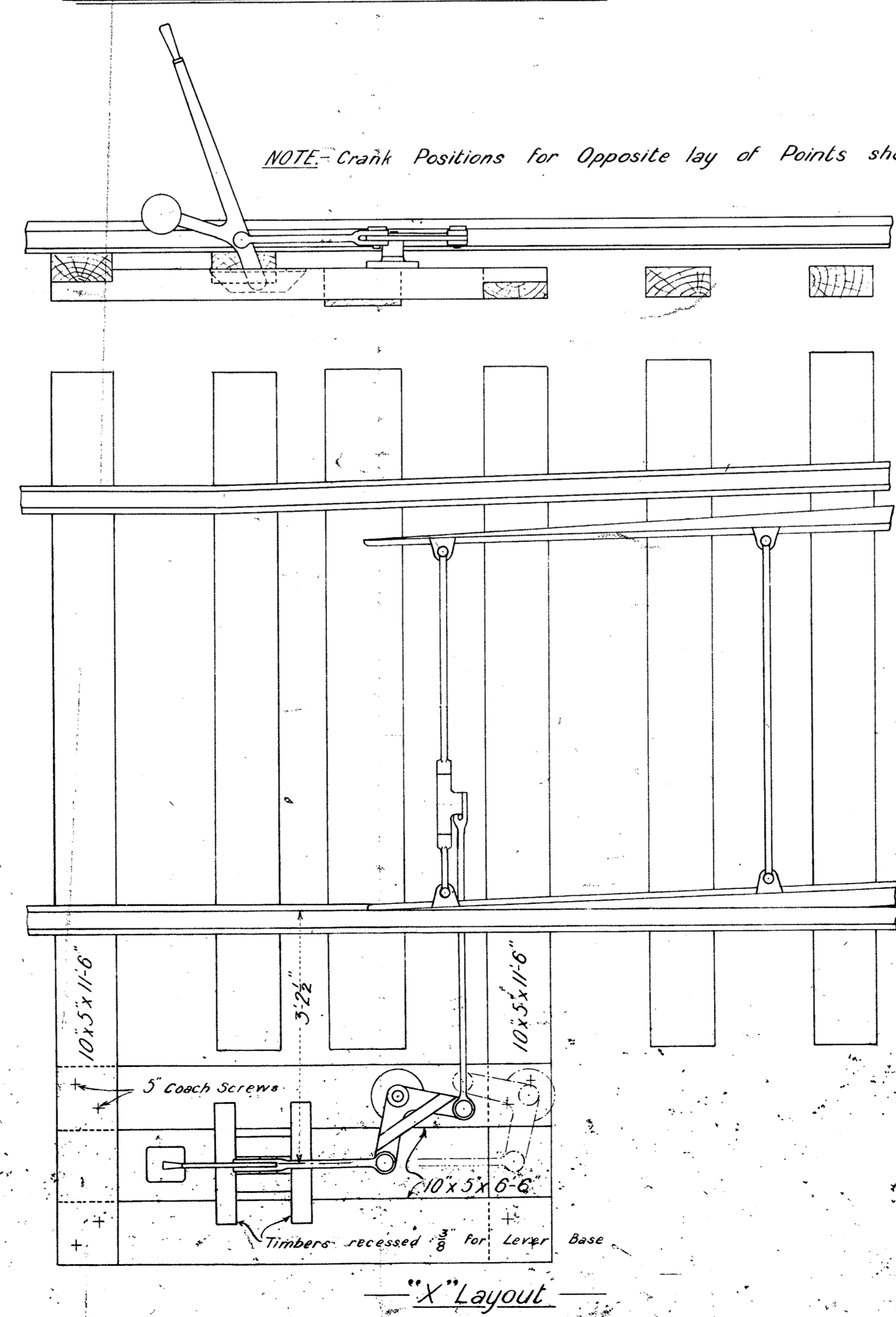
— "X" Layout —



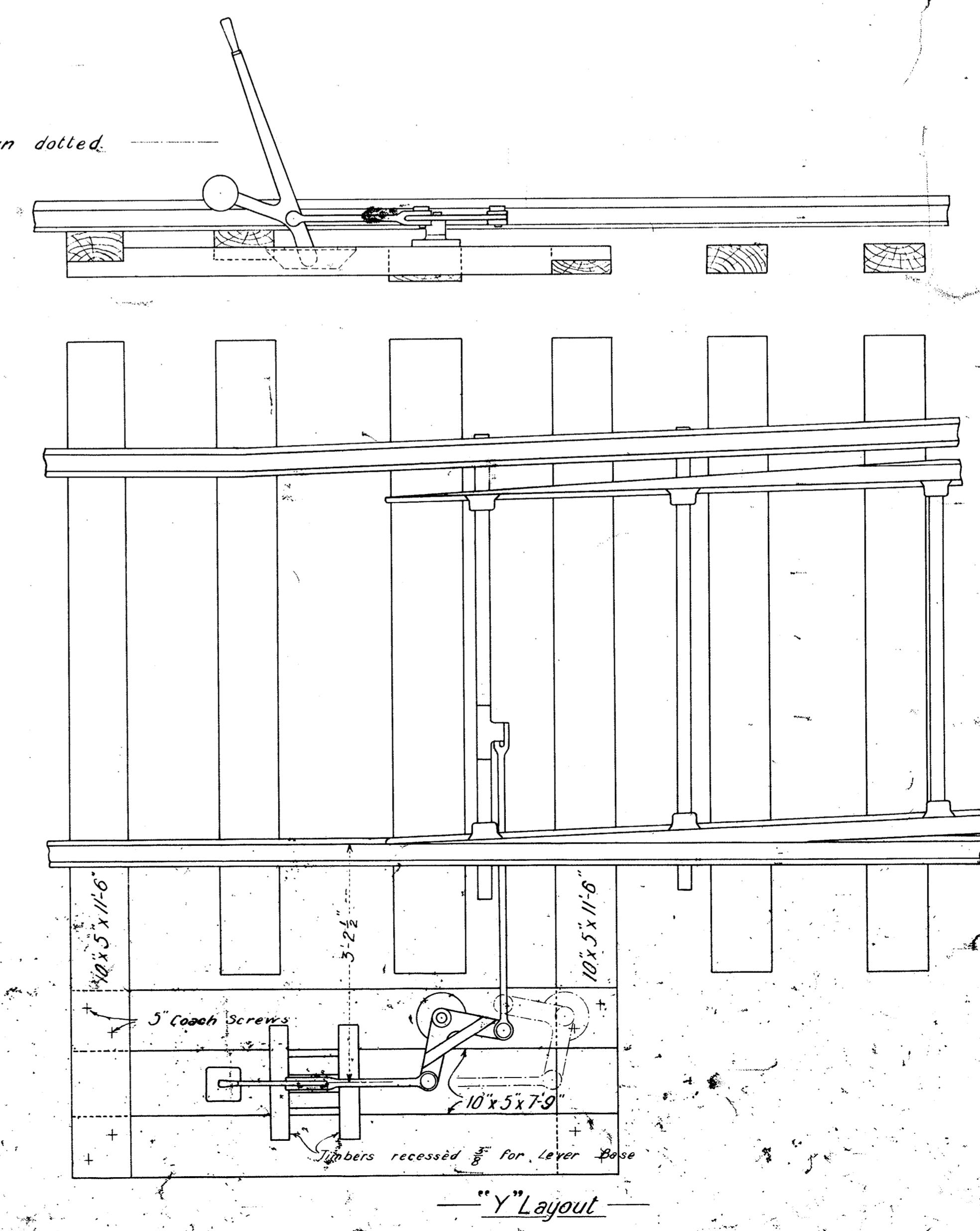
— "Y" Layout —

— Quadrant Levers —

— DOUBLE COMPOUNDS —

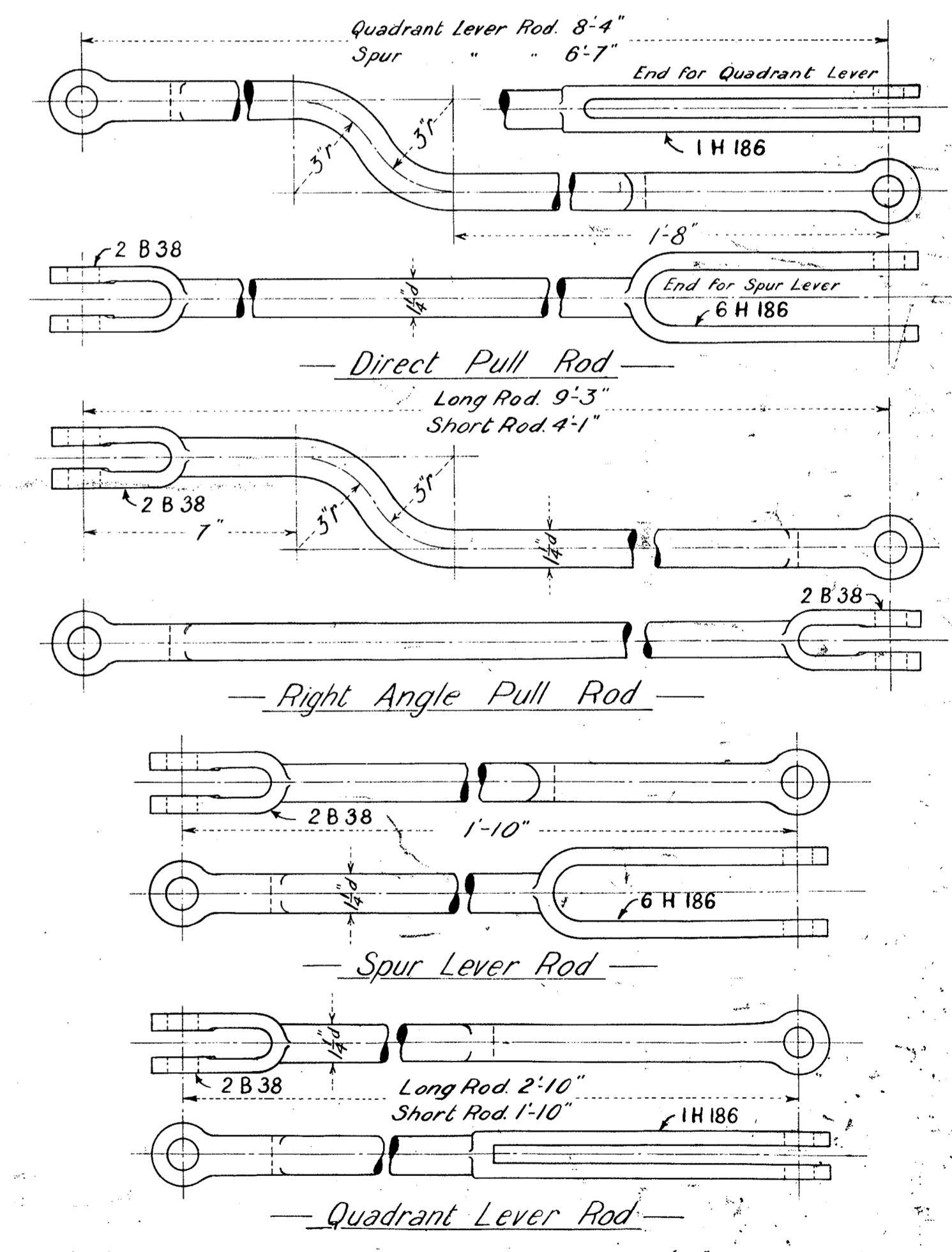


— "X" Layout —



— "Y" Layout —

— Spur Levers —



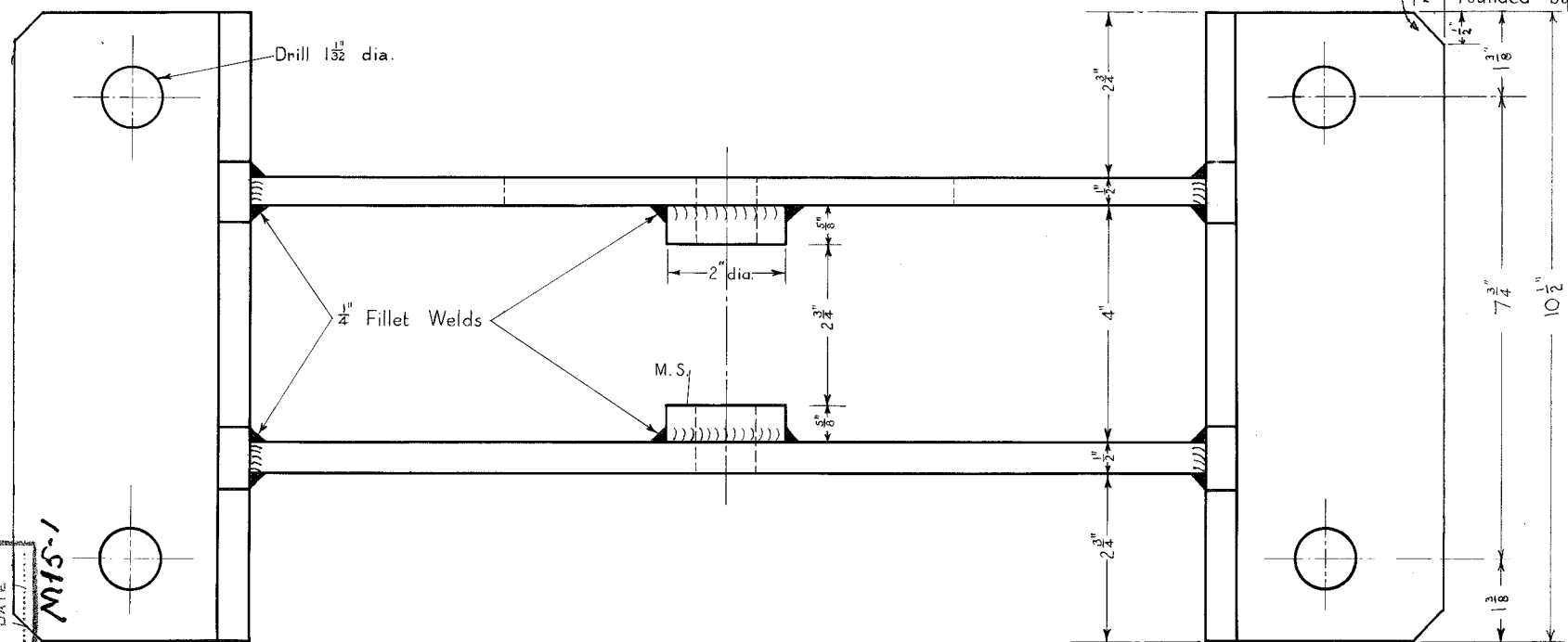
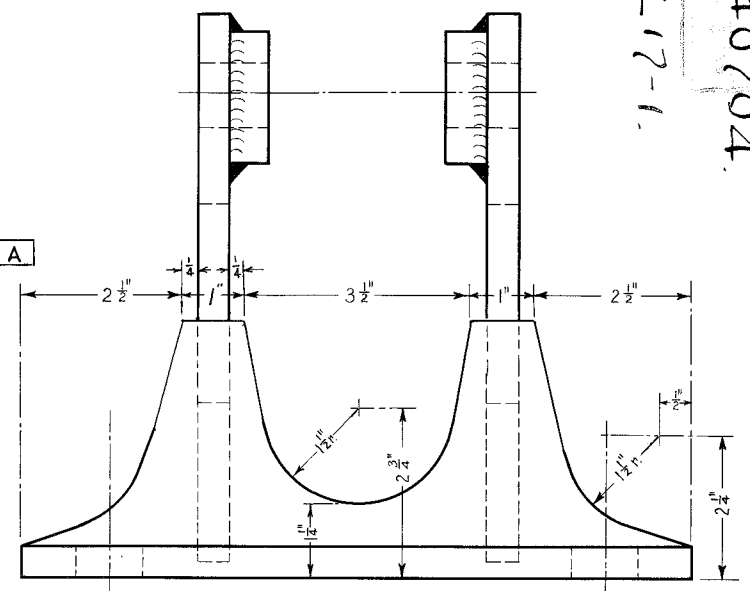
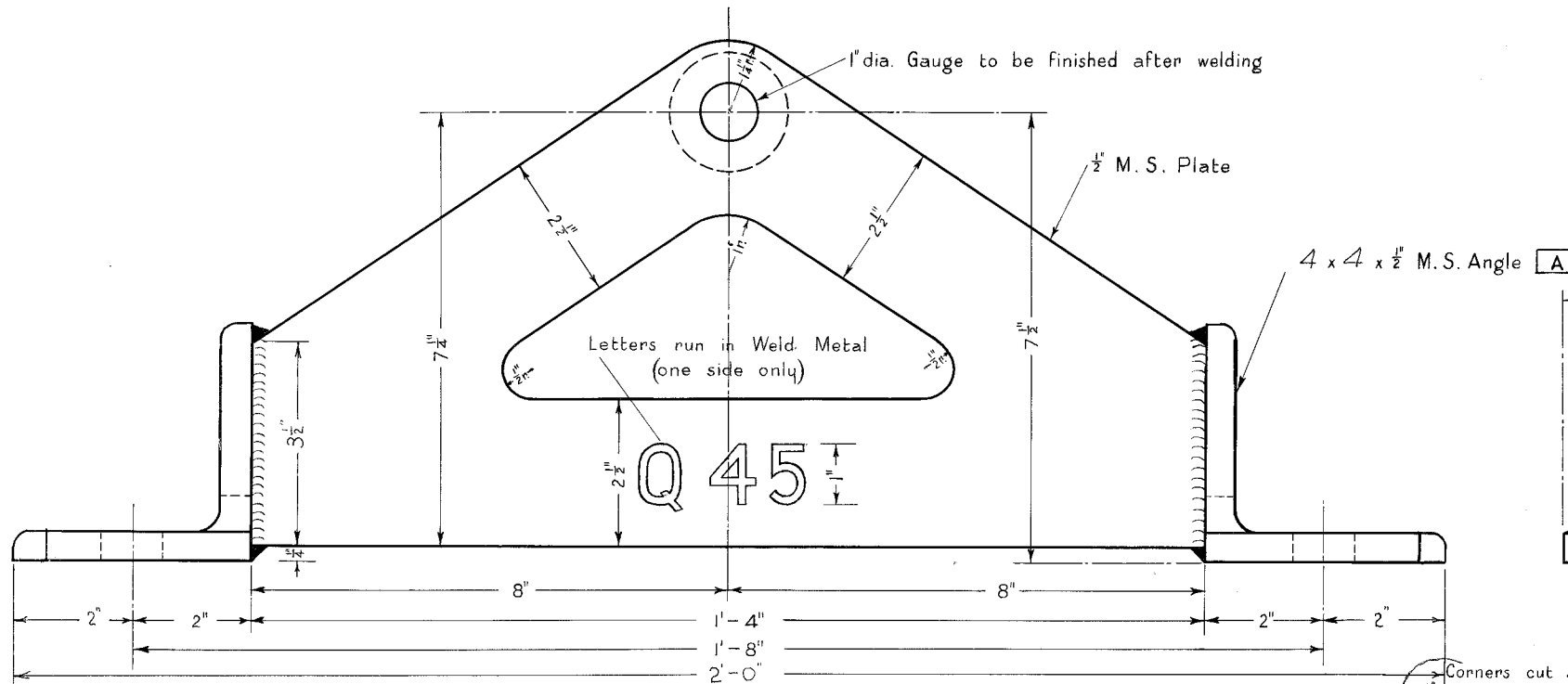
— TURNOUTS —

V. R
HAND WORKED POINTS
 STANDARD ARRANGEMENT OF POINT LEVERS
 SPUR & QUADRANT
 Scales— 3/8" = 1 Foot
 Chief Engineer of Way and Works
 Drawn by Checked by
 J.J.C. 2313-26 W.S. Eng
 AT-45 Plan No
 17-A 255-27

8 AP

40704

L17-1

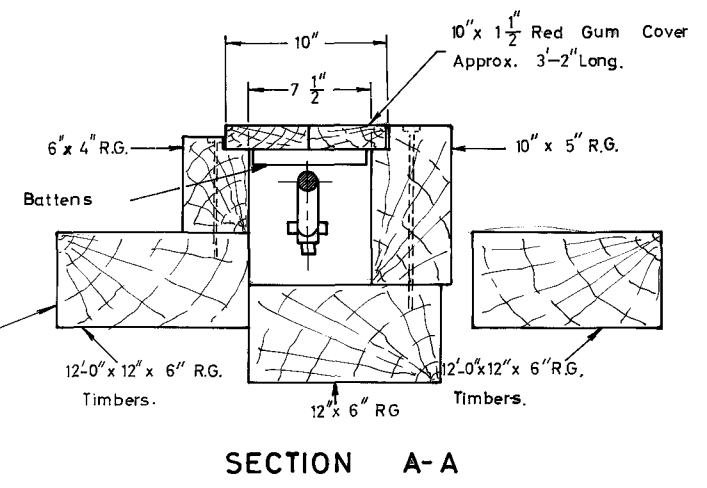
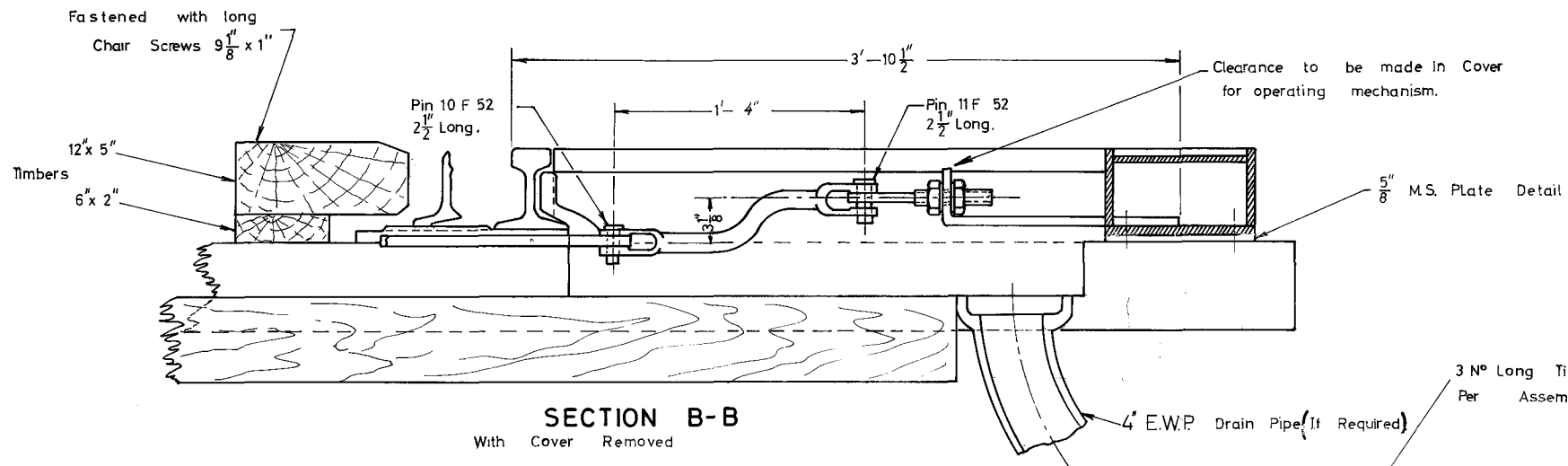


Alternative to Cast Steel Frame Item 1 on Drawing 774-44

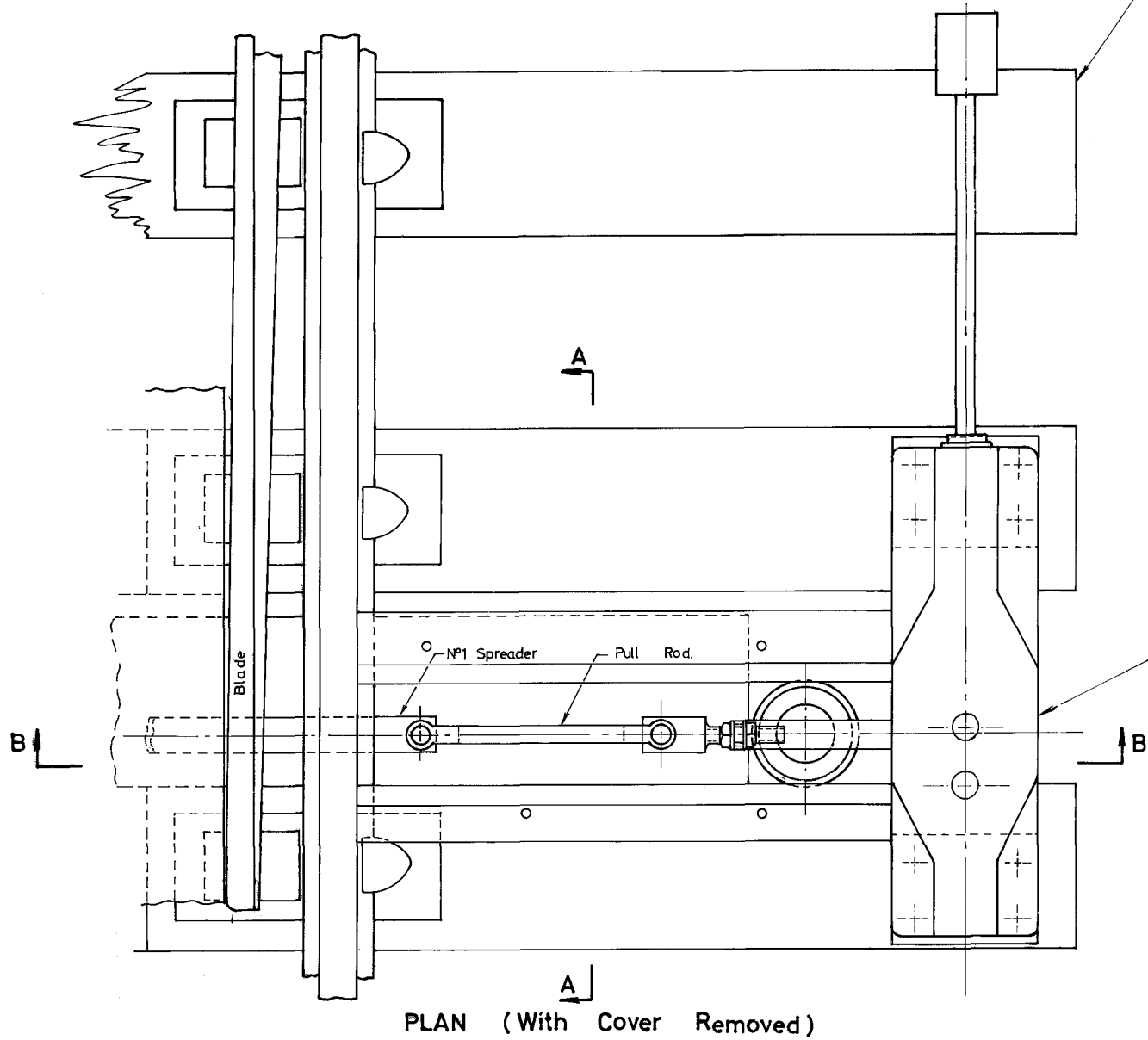
Paint - 1 Coat Red Lead
2 Coats White Paint

[A]	26-6-74	4" x 4" x 1/2" M.S. Angle Ex. 3 1/2" x 3 1/2" x 1/2" M.S. Angle	m.l.
Revision	Date	Amendment	Amended/Approved
V. R.			
FRAME			
QUADRANT POINT LEVER			
Mild Steel			
CHIEF CIVIL ENGINEER		AT-59	DRG NO
DRAWN	CHECKED	PASSED	18-D
C.F.	C.F.	Engr. M. & W.S.	603-48

RECORD PLAN
R57409
NEW SERIES
DATE
MIS-1



3 No Long Timbers Required Per Assembly.

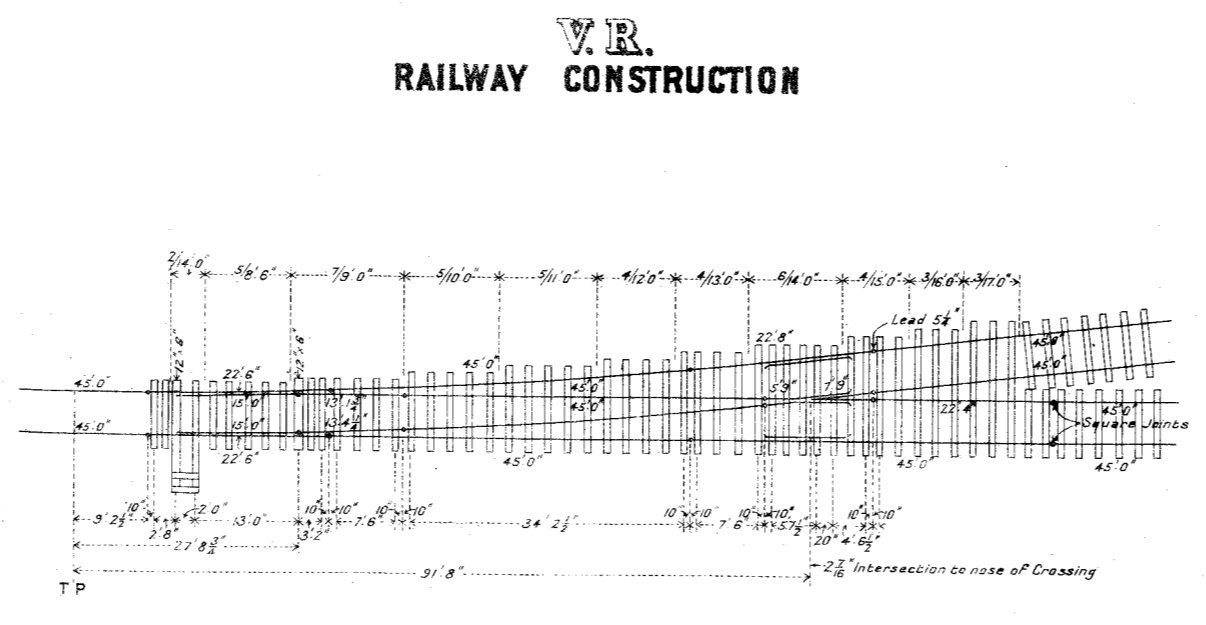
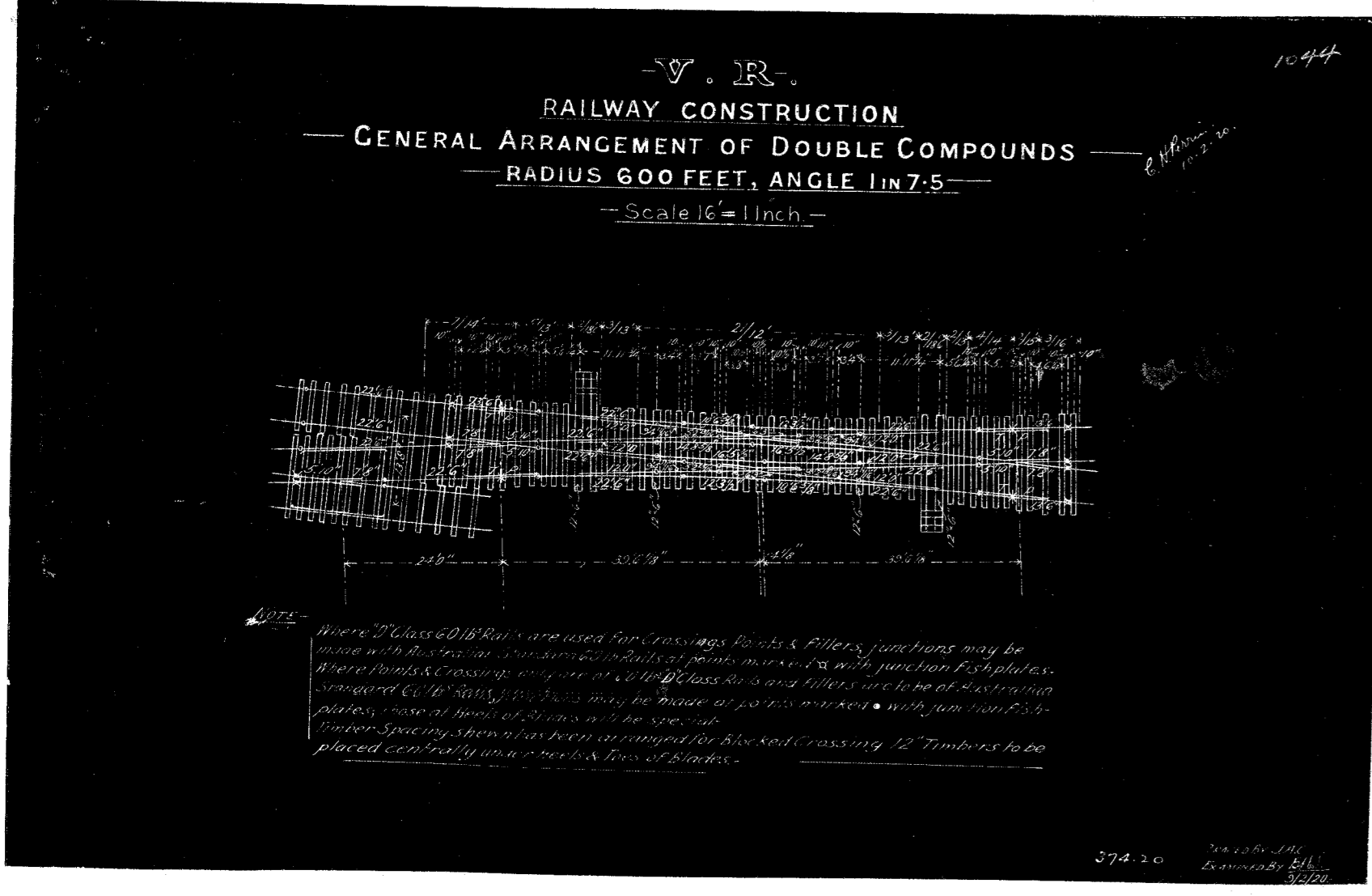


NOTES: Timber Surround & drainage shown for asphalt paving.
For concrete paving, delete timber Surround for pit.

Superseded by 841/69

57428
L-30-1

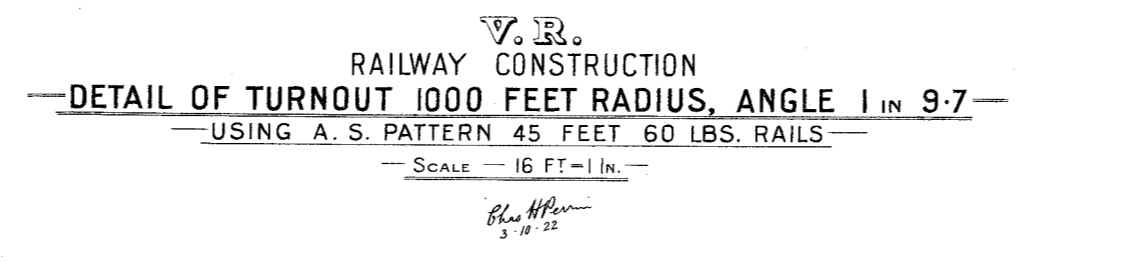
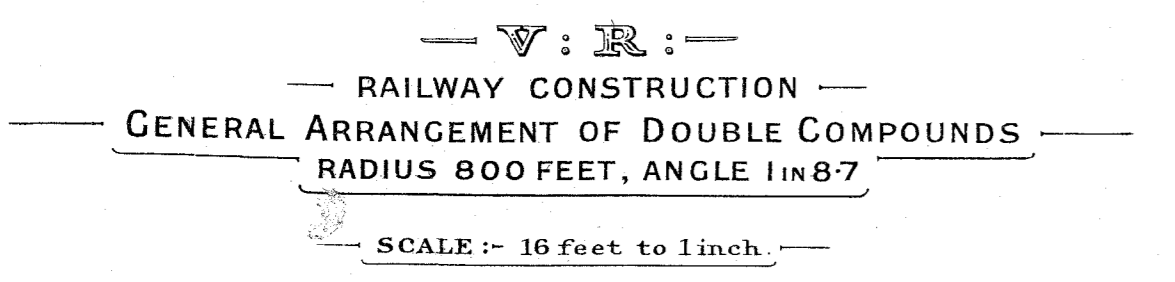
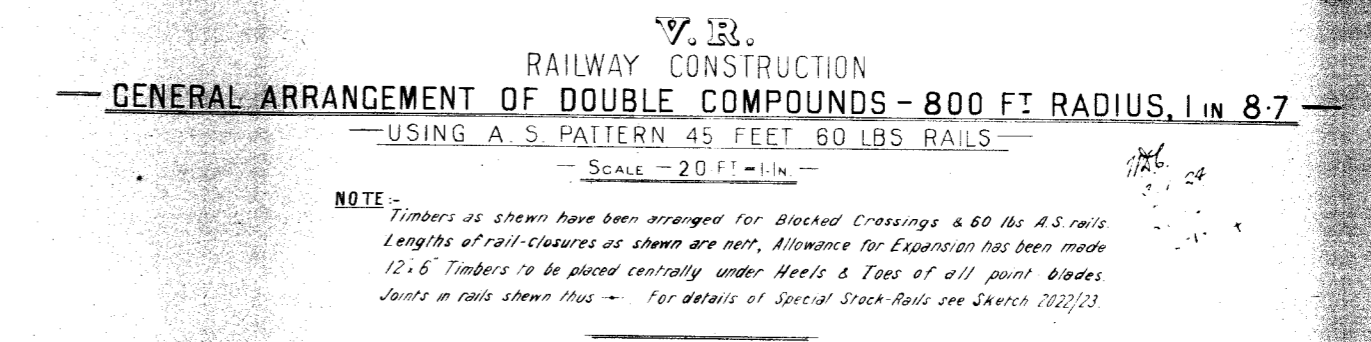
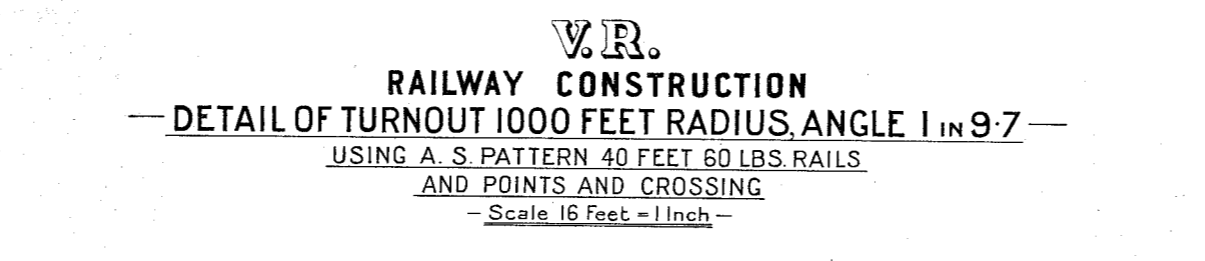
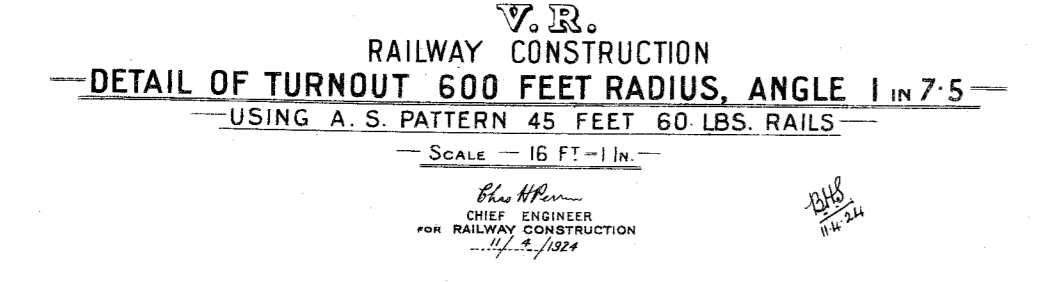
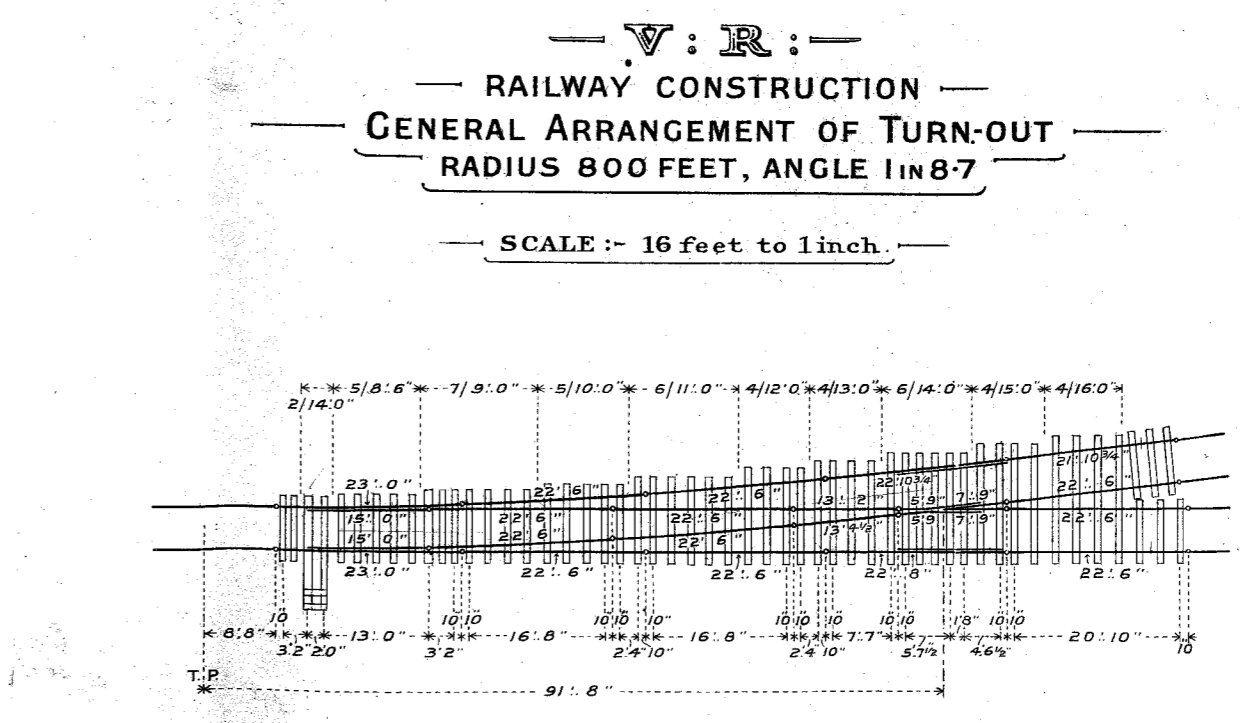
WR.										
PAVED AREA POINTS										
THORNLEY LEVER BOX										
TYPICAL ARRANGEMENT										
D.S.W. 28.6.69										
Chief Civil Engineer.										
Revision	Date	Amendment	Amended by	Approved by	Drawn B.C.	Traced B.C.	Checked N.R.	Corres. Engr. of M.S.W.S.	P-41	PLAN No 88/69

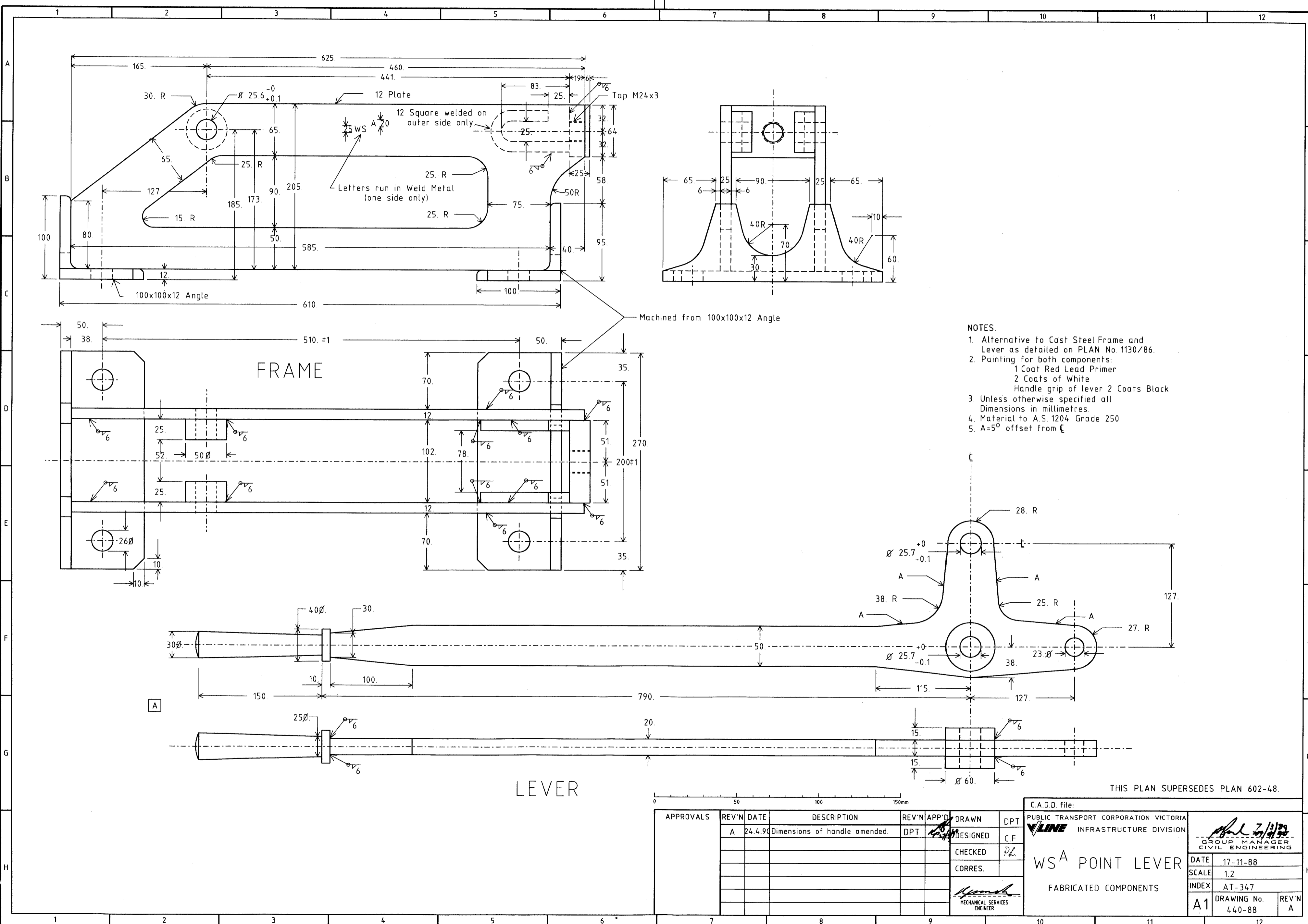


NOTE: 12" Timbers to be placed centrally under Heels & Toes of Blades. Joints in Rails shown thus.

TURNOUT 800 FT. RADIUS.
ANGLE 1 IN 8.7.
Using A.S. Pattern 45 Ft. 60 lbs. R. IIs.
Scale 16 Ft. = 1 Inch.

MAKER BY	E. E. P.	CHIEF ENGINEER	40-22
DESIGNED BY	E. E. P.		40-22
CHECKED BY	E. E. P.		40-22





R. 69434

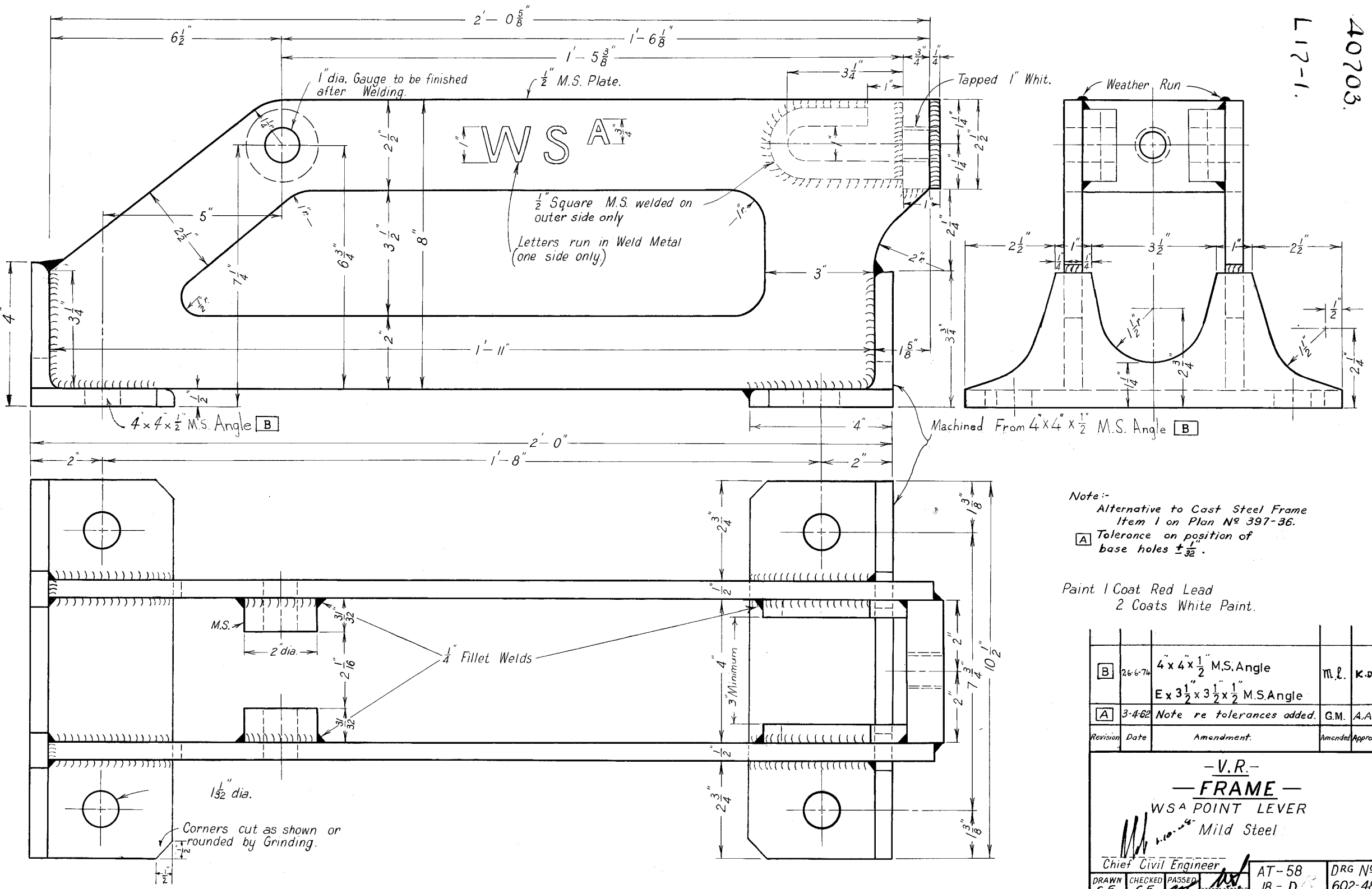
THIS PLAN SUPERSEDES PLAN 602-48.

APPROVALS	REV'N	DATE	DESCRIPTION	REV'N	APP'D	DRAWN	DPT
	A	24.4.90	Dimensions of handle amended.				

C.A.D.D. file:
 PUBLIC TRANSPORT CORPORATION VICTORIA
 INFRASTRUCTURE DIVISION

WSA POINT LEVER
 FABRICATED COMPONENTS

DATE 17-11-88
 SCALE 1:2
 INDEX AT-347
 DRAWING No. 440-88
 REV'N A



Note:-
 Alternative to Cast Steel Frame
 Item 1 on Plan No 397-36.
 [A] Tolerance on position of
 base holes ± 1/32".

Paint 1 Coat Red Lead
 2 Coats White Paint.

[B]	26-6-74	4"x4"x1/2" M.S. Angle Ex 3 1/2"x3 1/2"x1/2" M.S. Angle	M.L.	K.D.S.
[A]	3-4-62	Note re tolerances added.	G.M.	A.A.P.
Revision	Date	Amendment.	Amended/Approved	

-V.R.-
— FRAME —
 WSA POINT LEVER
 Mild Steel

Chief Civil Engineer

1.10.48

DRAWN	CHECKED	PASSED	AT-58	DRG No
C.F.	C.F.	ENGR M.S.W.S.	18-D	602-48

