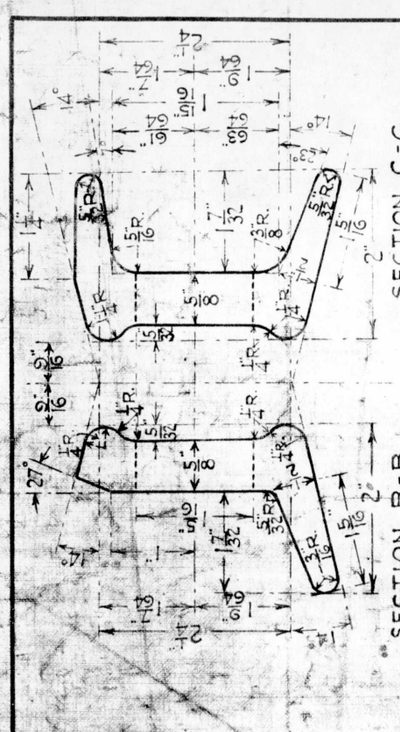
GNRHS Archives 2018



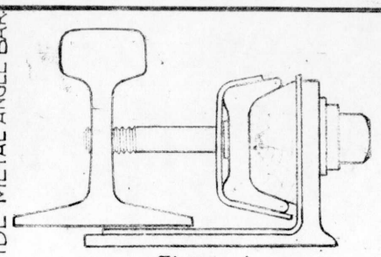


Figure 1.

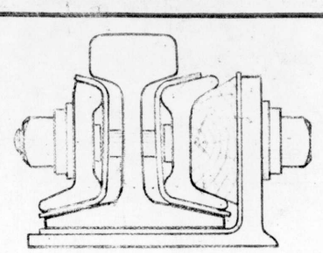


Figure 2.

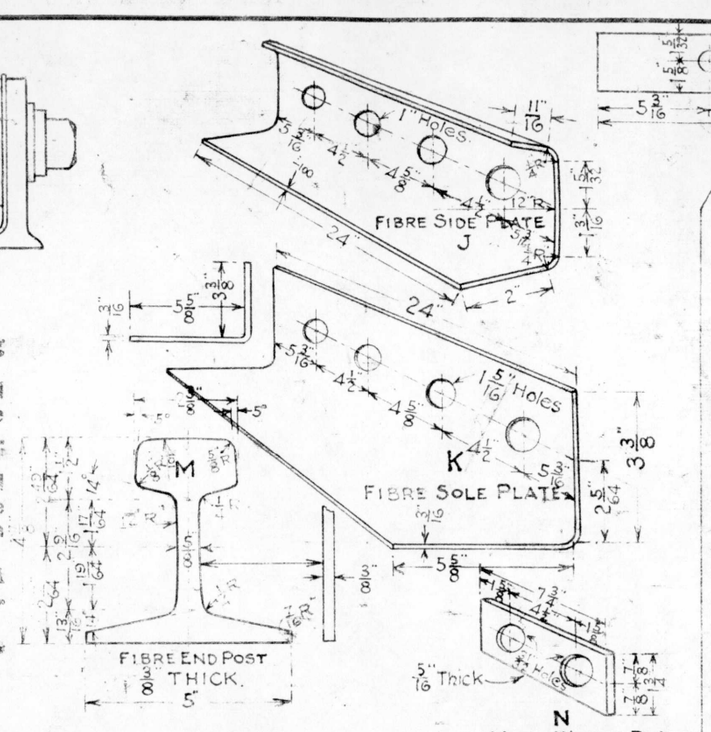
1st. Insert end posts, M, the rail ends pressing firmly against them.

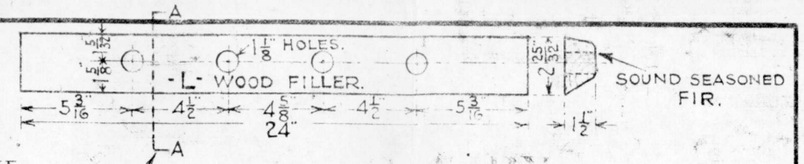
2nd. Apply outside half of assembled joint to rail as in Figure 1, after making sure that all fibre bushings are in place on bolts as per Figure 3. Move parts into place as shown in Figure 2.

3rd. Apply inside half of assembled joint to rail as in Figure 2, making sure that all fibre bushings are in place on bolts as shown in Figure 3.

4th. Tighten nuts uniformly drawing the joint parts gradually into position as shown in Figure 3 and 4.

5th. Inspect frequently, with special regard to well tightened bolts and solidly tamped ties.





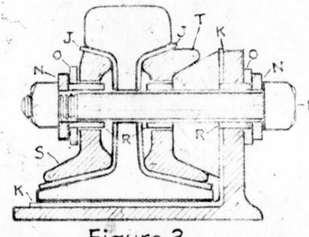
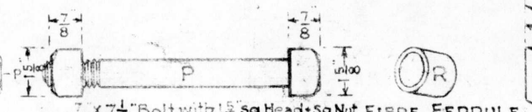
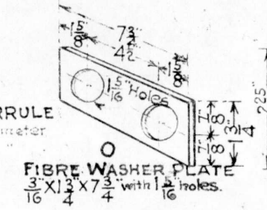
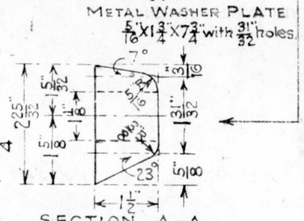


Figure 3.







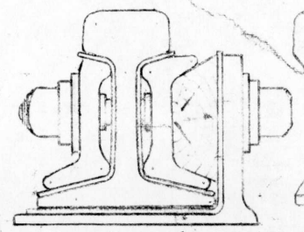
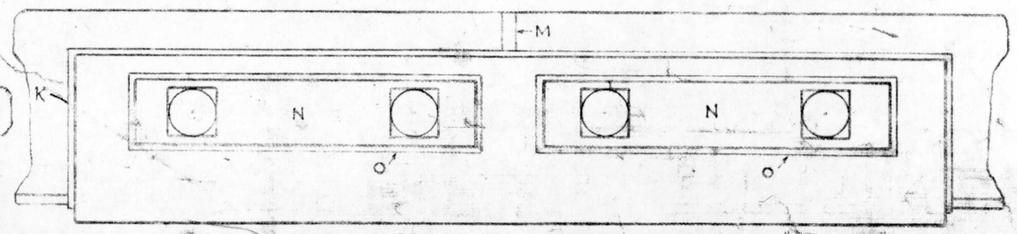
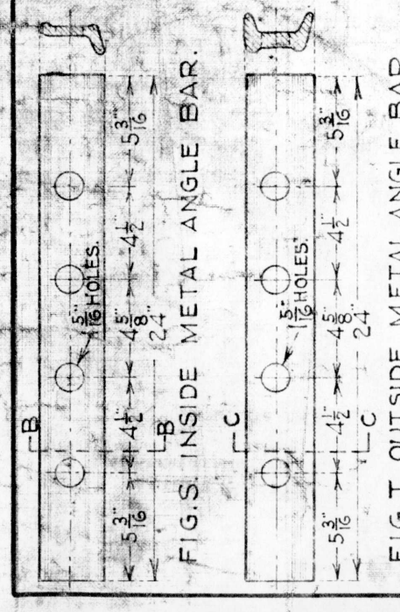


Figure 4.



REVISED. 1-7-1920. TO SHOW METAL ANGLE BARS DETAILS.
" 2-14-1920. WIDTH OF FIBRE PLATE O CHANGED FROM 1 7/8" TO 1 3/4".



Approved C. A. Dunham
Signal Engineer

Approved H. W. Hogelland
Chief Engineer.

Approved [signature]
Vice President

G. N. RY.

Instruction for the Installation and Maintenance of
WEBER NO. 3 INSULATED RAIL JOINTS.
Office of Signal Engineer, St. Paul, Minn.
October 1914.

Section Foremen are responsible for the proper care of insulated joints.

The proper installation and maintenance of insulated rail joints has a most important bearing on the operation of all signal apparatus controlled by electric track circuits. It is the duty of signal repairmen to secure and keep on hand sufficient fibre and metal repair parts to properly maintain the insulated joints in their territory for a period of sixty days. They will make frequent inspections of all insulated rail joints and will supply Section foremen with repair parts as required.

Section Foremen will also make frequent inspections of all insulated rail joints, obtaining from the signal repairman necessary repair parts, and make repairs promptly.

Rails with sawed ends only, shall be used with insulated joints.

Sharp projections shall be carefully chipped off at all places where they come in contact with fibre parts.

Anti-creepers shall be used on each side of insulated rail joints and in all cases insulated joints shall be supported on two good ties, which must be kept well tamped.

Requisition for repair parts for insulated joints shall state weight of rail, type of joint, reference letter on, and drawing number of plan illustrating this type.

All concerned will be governed accordingly.

NOTE "A". LENGTH OF FIBRE PLATE O CHANGED FROM 8" TO 7 3/4" AND WIDTH CHANGED FROM 2" TO 1 7/8".
NOTE-B- WOOD FILLER-L- CHANGED TO SHOW DIMENSIONS.

NOTE. THE FIBRE PARTS AS SHOWN HEREON SHALL BE OF A QUALITY EQUAL TO THE REQUIREMENTS OF THE SPECIFICATIONS OF THE RAILWAY SIGNAL ASSOCIATION, AND IN ADDITION SHALL BE WELL COATED WITH PARAFFINE AND STAMPED WITH TRADE MARK OF MANUFACTURER.

REVISED - DEC. 30, 1919. SEE NOTE-B.
REVISED - DEC. 5, 1919. SEE NOTE A.
REVISED - OCT. 1, 1919 TO SHOW FIBRE DETAILS.

Drawn by H.A.T.
Checked by H.B.
Approved by C.A.D.
Signal Engr.

167-32-A