GNRHS Archives 2018

PLAN OF STANDARD CONTINUOUS NO. 1 INSULATED RAIL JOINT 100 - LB.

WITH INSTRUCTIONS FOR INSTALLING AND MAINTENANCE

OFFICE OF SIGNAL ENGINEER, ST. PAUL, MINN.

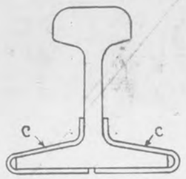


FIG. 1.

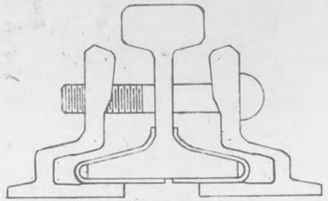
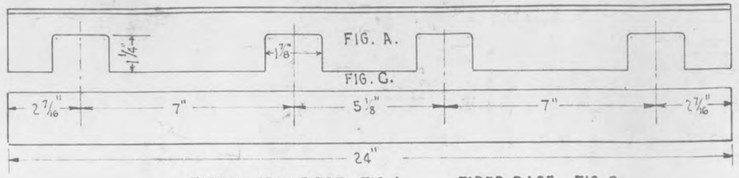
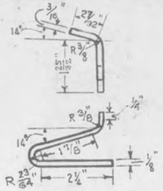


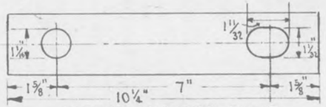
FIG. 2.

1ST. INSERT END POST, D. RAIL ENDS PRESSING FIRMLY AGAINST IT.
2ND. APPLY BASE FIBERS, C, TO BOTH SIDES OF THE RAILS. FIG. 1.
3RD. FIX ANGLE BARS LOOSELY IN POSITION. FIG. 2.

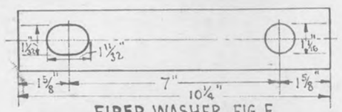


FIBER HEAD PIECE FIG. A. FIBER BASE FIG. C.

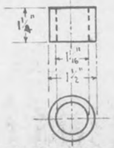




METAL WASHER FIG. F.



FIBER WASHER FIG. E.



FIBER BUSHING FIG. H.

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 FIBER 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 END ONLY, SHALL BE USED WITH INSULATED JOINTS.

SHARP PROJECTIONS SHALL BE CAREFULLY CHIPPED OFF AT ALL PLACES WHERE THEY COME IN CONTACT WITH FIBER 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.

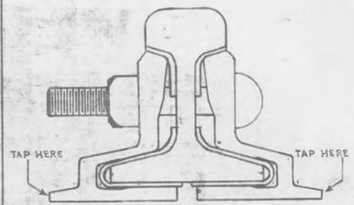


FIG. 3.

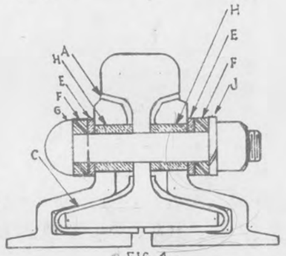
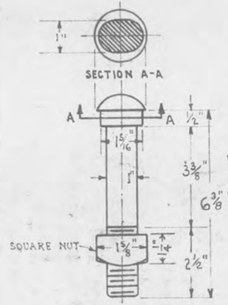


FIG. 4.

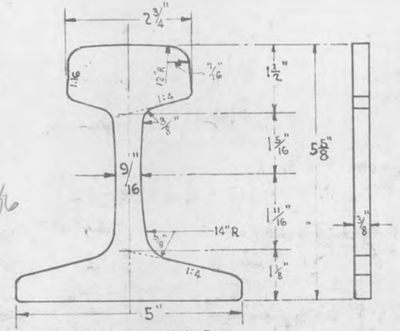
HI-POWER NUT LOCK. FIG. J. FOR 1" BOLT.

4TH. PLACE AND HOLD TOP FIBER, A, IN POSITION AND DRAW ANGLE BARS TOGETHER WITH TEMPORARY BOLTS TO THE POSITION SHOWN IN FIG. 3, TAPPING LIGHTLY AT POINTS INDICATED IF NECESSARY.
5TH. REMOVE TEMPORARY BOLTS ONE AT A TIME, AND INSERT BUSHINGS, H, CAREFULLY, WITH FIBER PLATES, E, METAL PLATES, F, LOCK NUT, J, AND BOLTS, G, AS SHOWN BY FIG. 4, TIGHTENING NUTS PROPERLY.



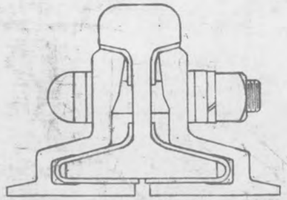
NOTE: BOLT STOCK TO BE IN ACCORDANCE WITH G.N. RY. CO'S. SPECIFICATION NO. 3304-15-1, 2 & 3. NOV. 6, 1922.

BUTTON HEAD BOLT. 1" U.S.ST'D. TH'D. CUT TH'D. FIG. G.

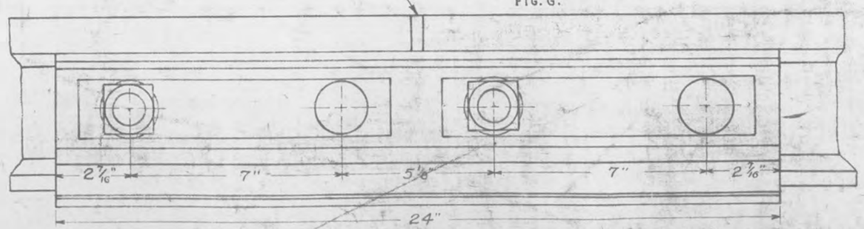


FIBER END POST. FIG. D.

NOTE: THE FIBER PARTS AS SHOWN HEREON SHALL BE OF A QUALITY EQUAL TO THE REQUIREMENTS OF THE SPECIFICATIONS OF THE A.R.A. AND IN ADDITION SHALL BE WELL COATED WITH PARAFFINE AND STAMPED WITH TRADE MARK OF THE MANUFACTURER.



ASSEMBLY.



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CHECKED BY C.B.C.
APPROVED BY
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