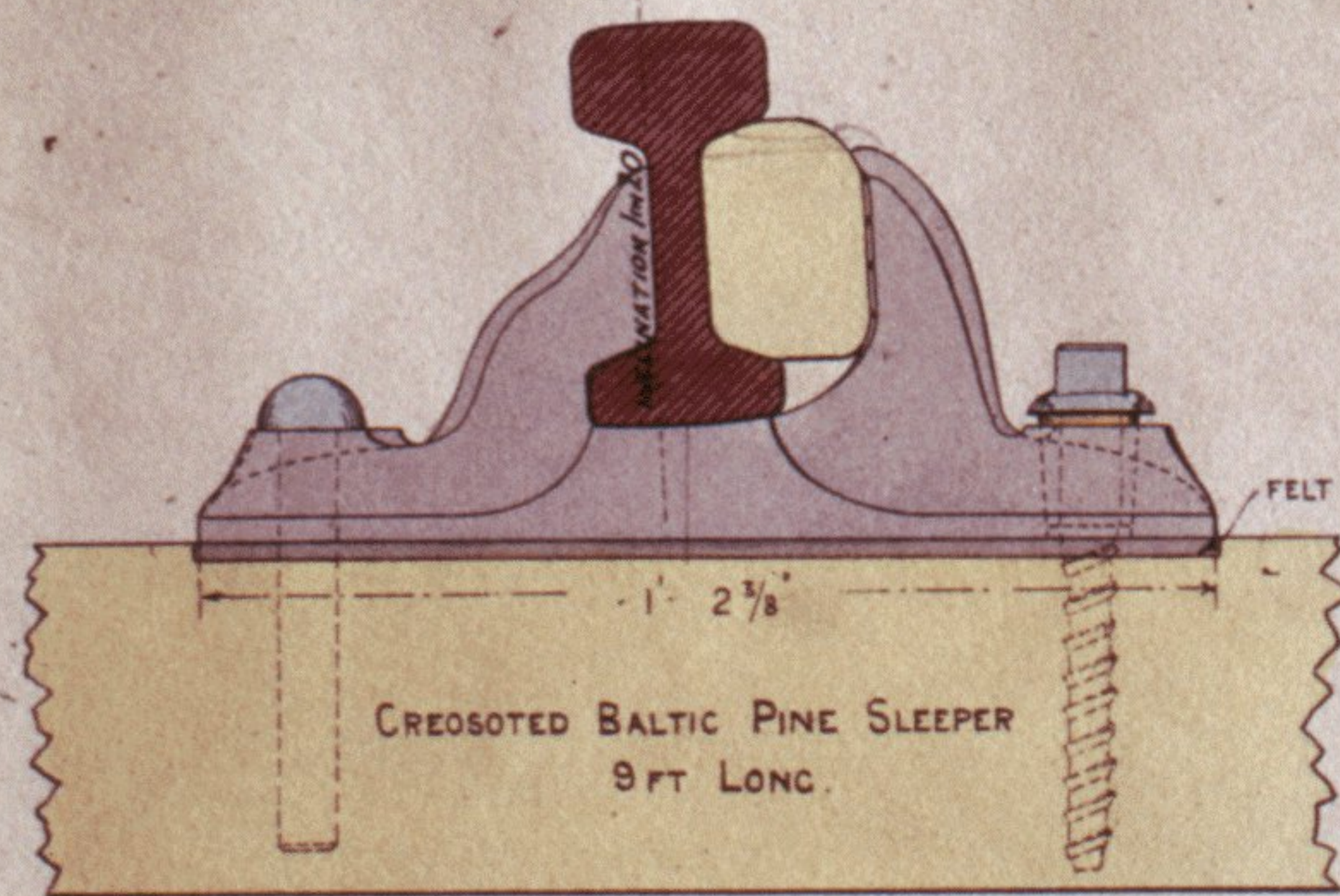
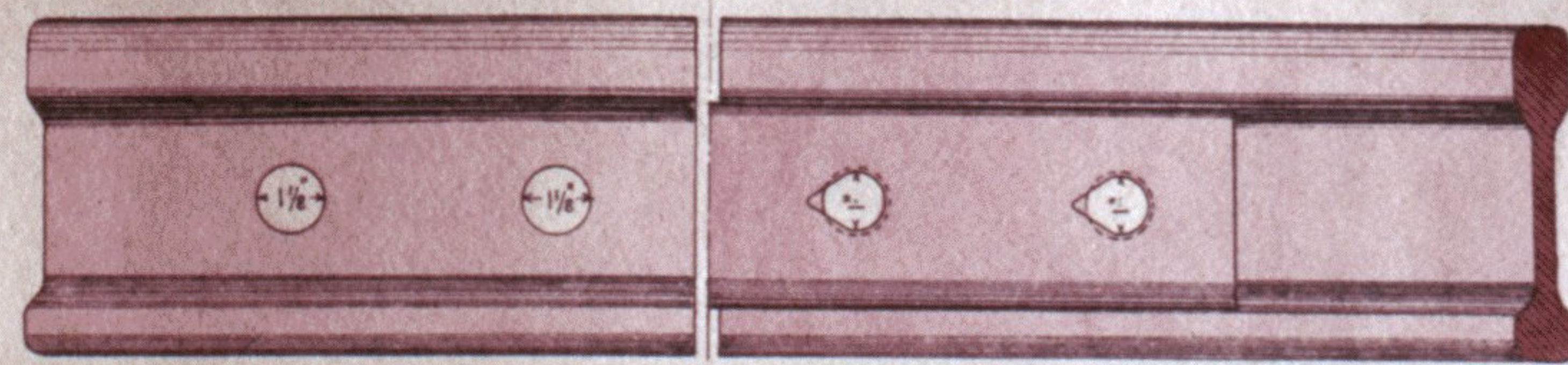
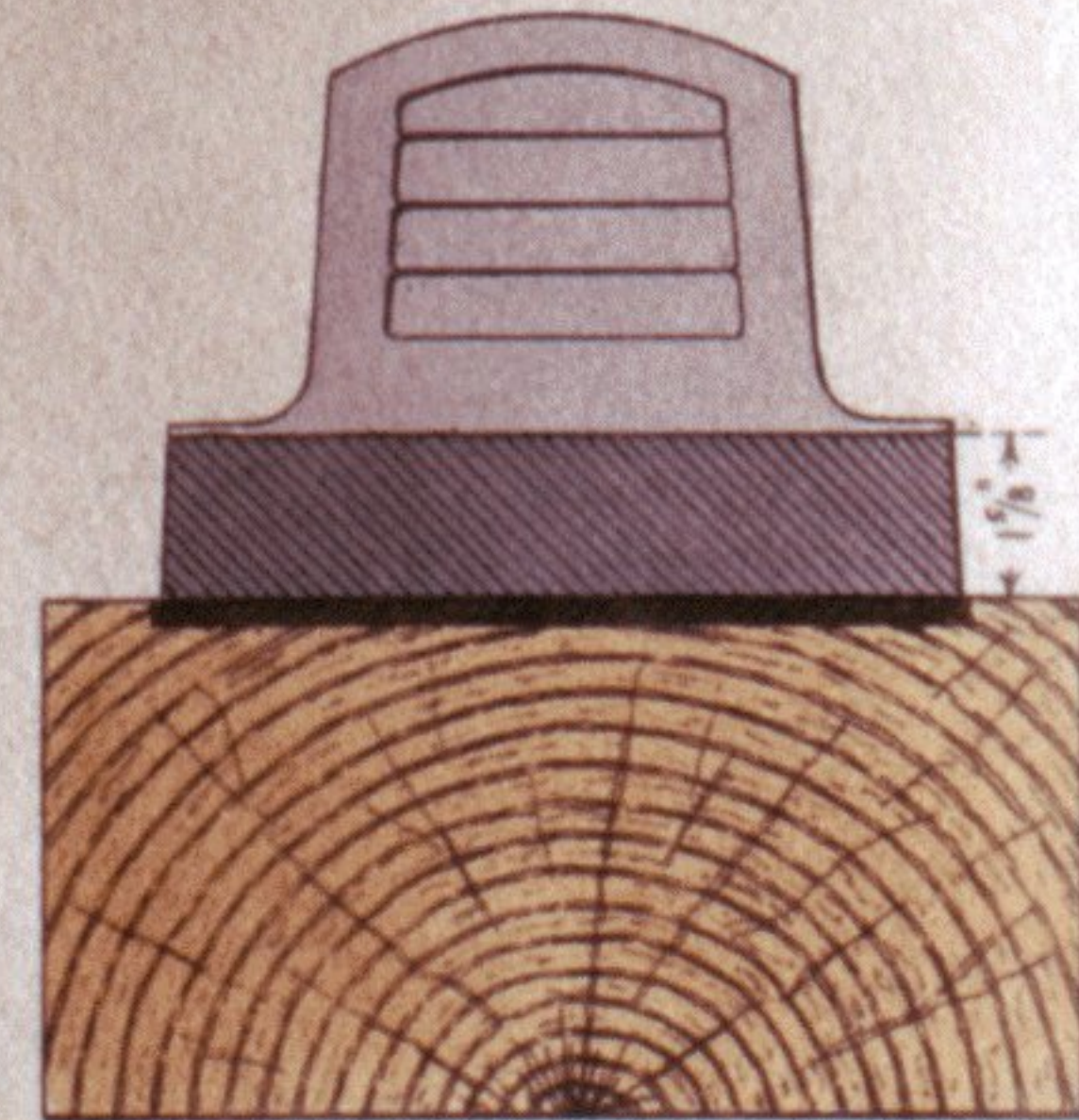


L.&N.W.R. DETAILS OF PERMANENT WAY 1905.

B.S. SECTION OF RAIL 95L^{BS} PER YARD

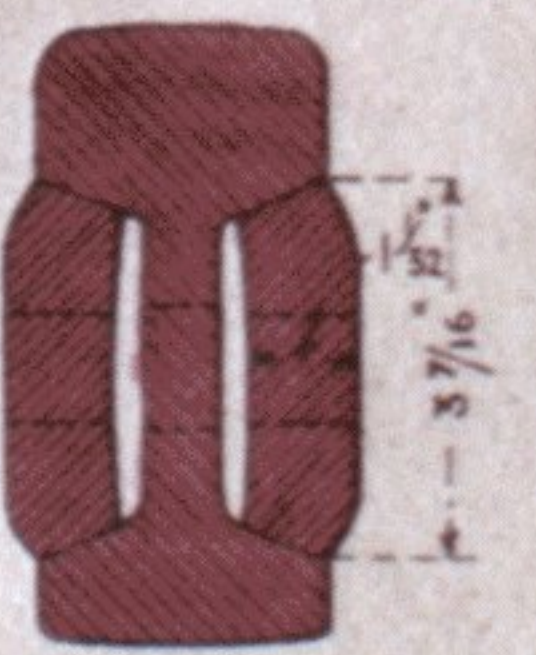


CROSS SECTION SHEWING CHAIR & FASTENINGS.

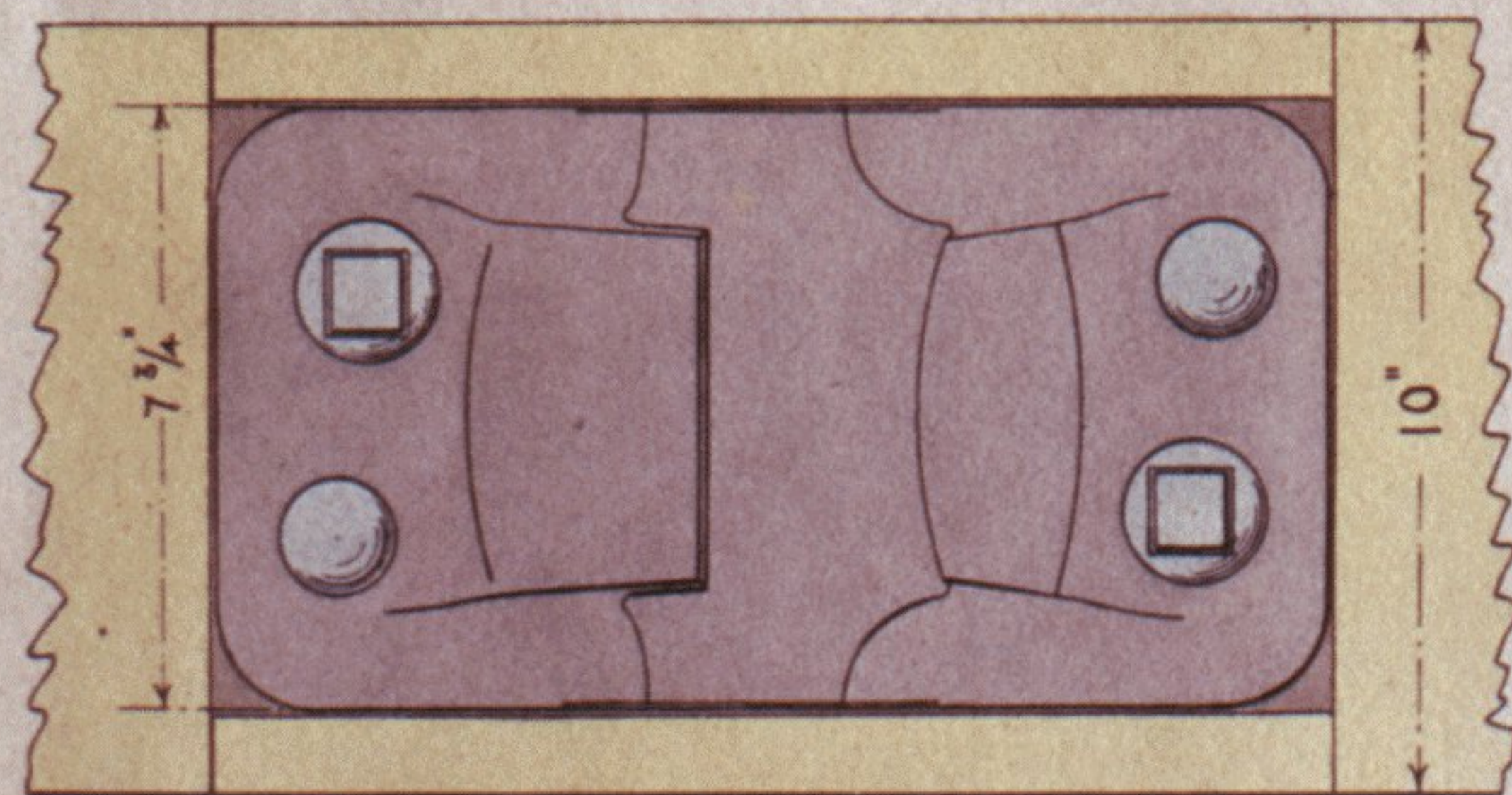


ELEVATION SHEWING HOLES IN RAIL

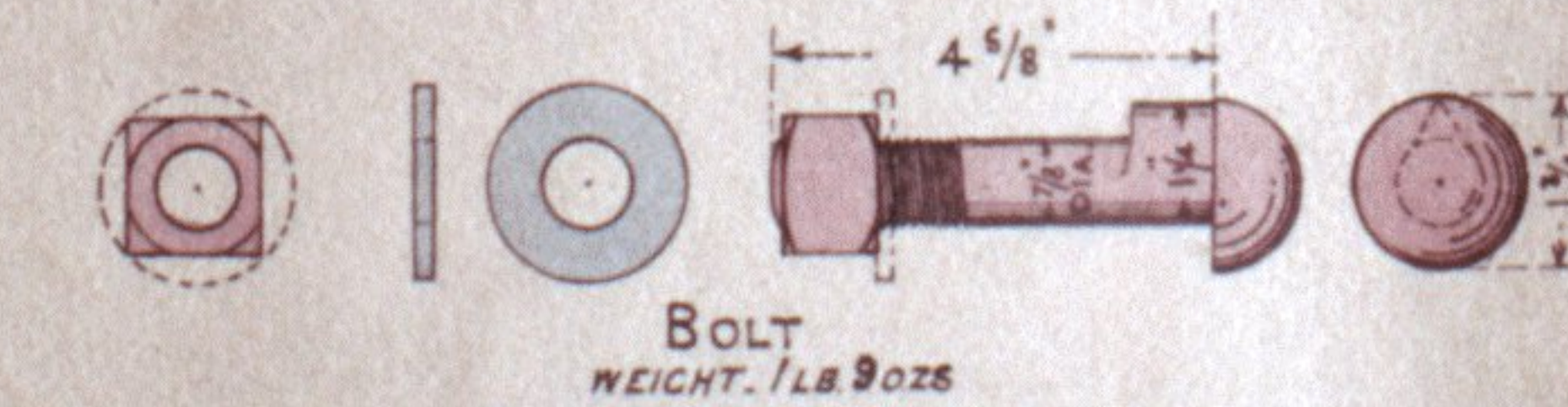
ELEVATION SHEWING HOLES IN FISHPLATES



CROSS SECTION THROUGH FISHPLATES
HEIGHT OF PAIR-3 1/2



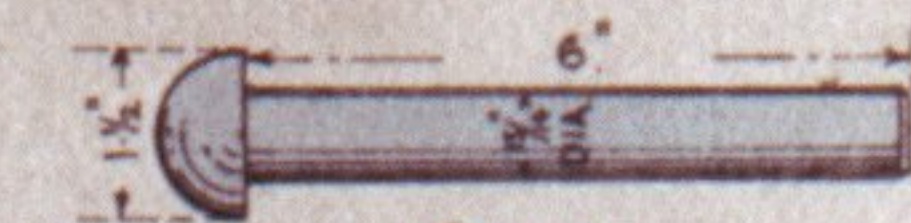
PLAN OF INTERMEDIATE CHAIR
(Rail & Key removed)
WEIGHT 45 LBS.



BOLT
WEIGHT 1 LB 9 OZS



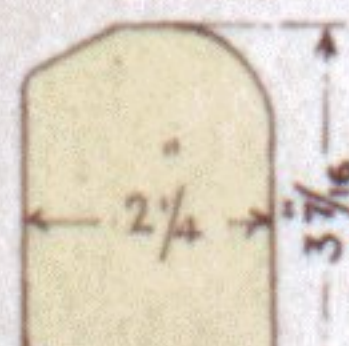
GALVANIZED SCREW
WEIGHT 1 LB 2 1/2 OZS



SPIKE
WEIGHT 1 LB 2 1/2 OZS

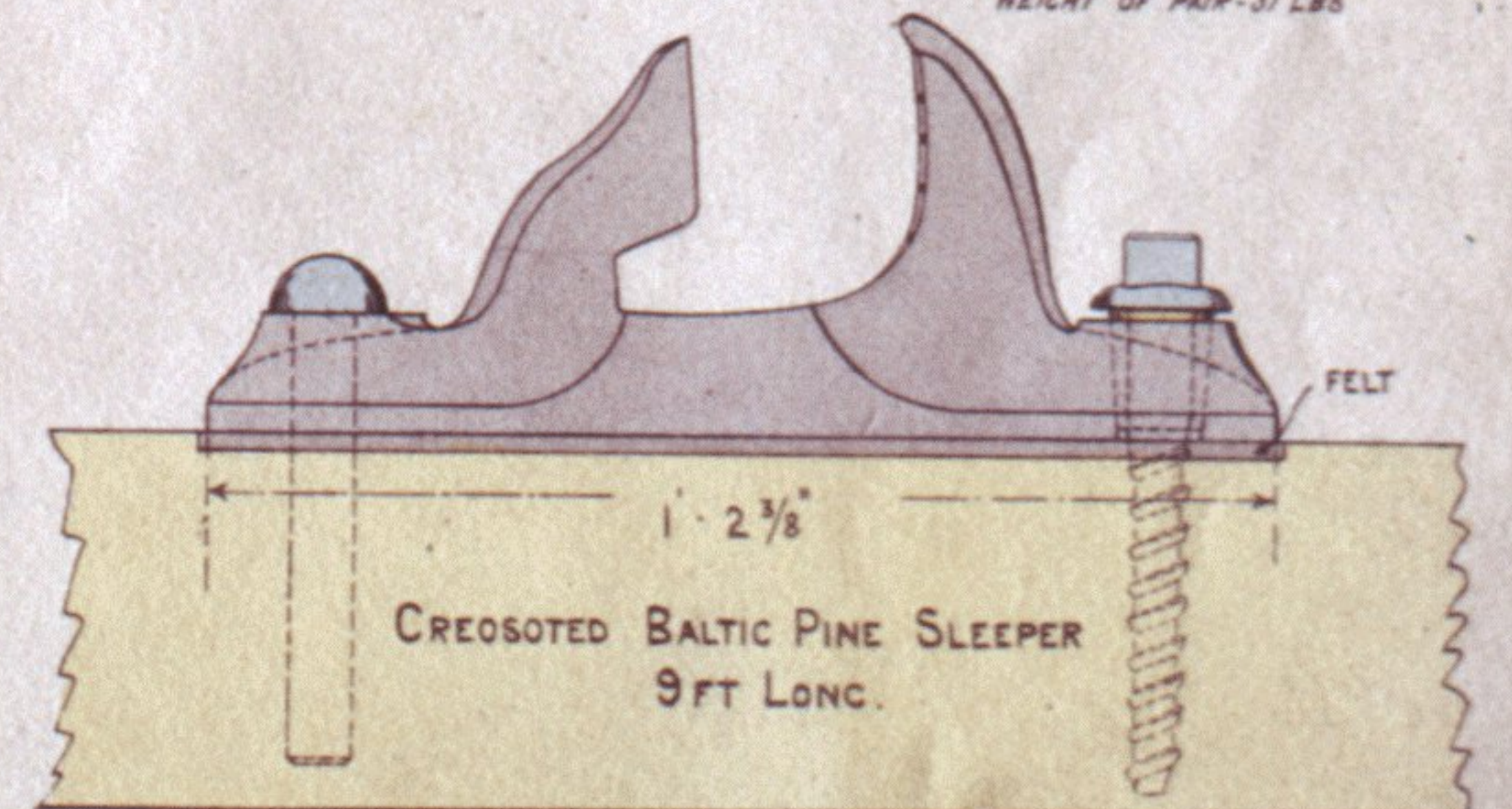
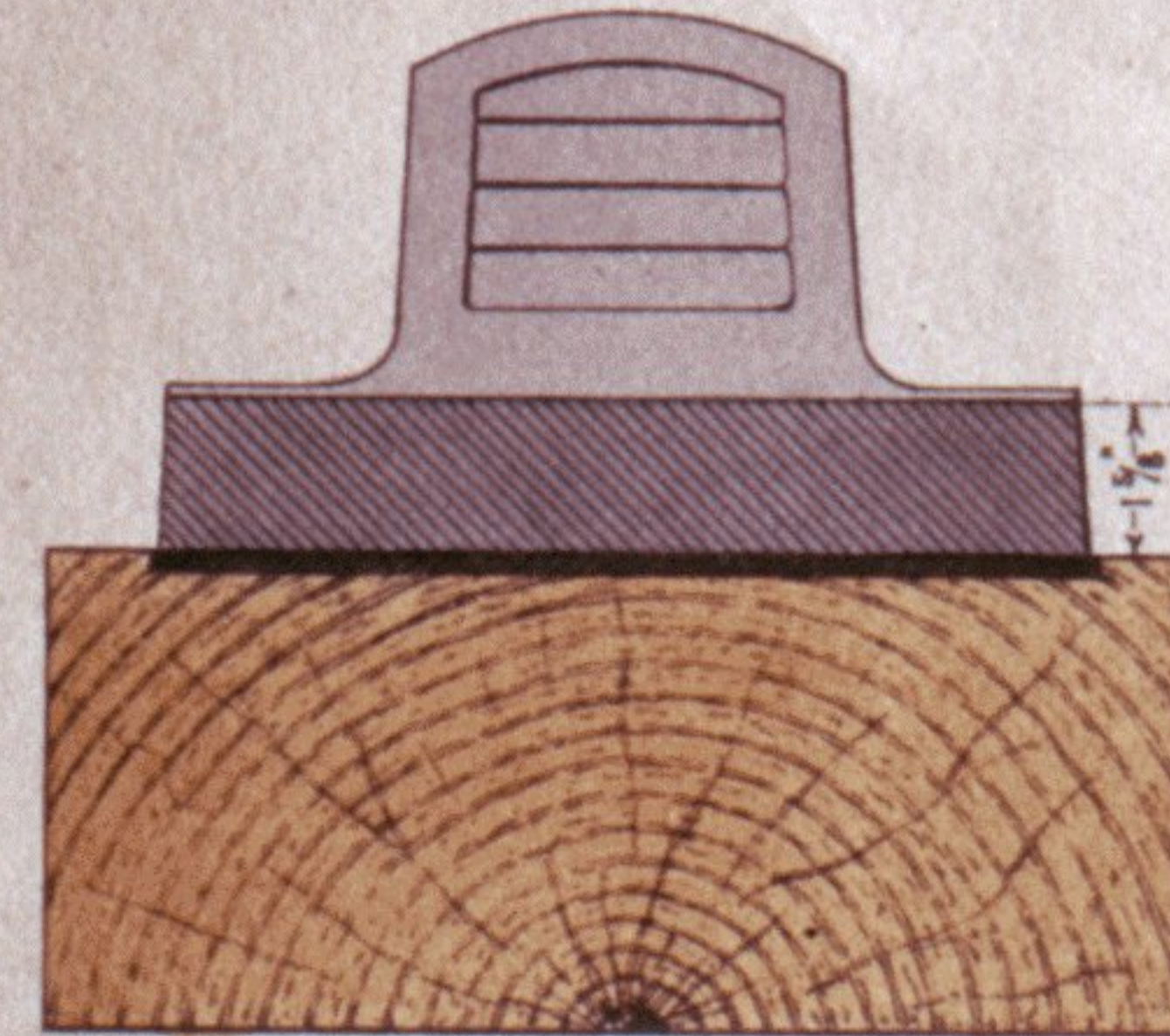


FERRULE
(OAK)



OAK KEY
6" LONG

BOLT & CHAIR FASTENINGS.



ELEVATION OF JOINT CHAIR

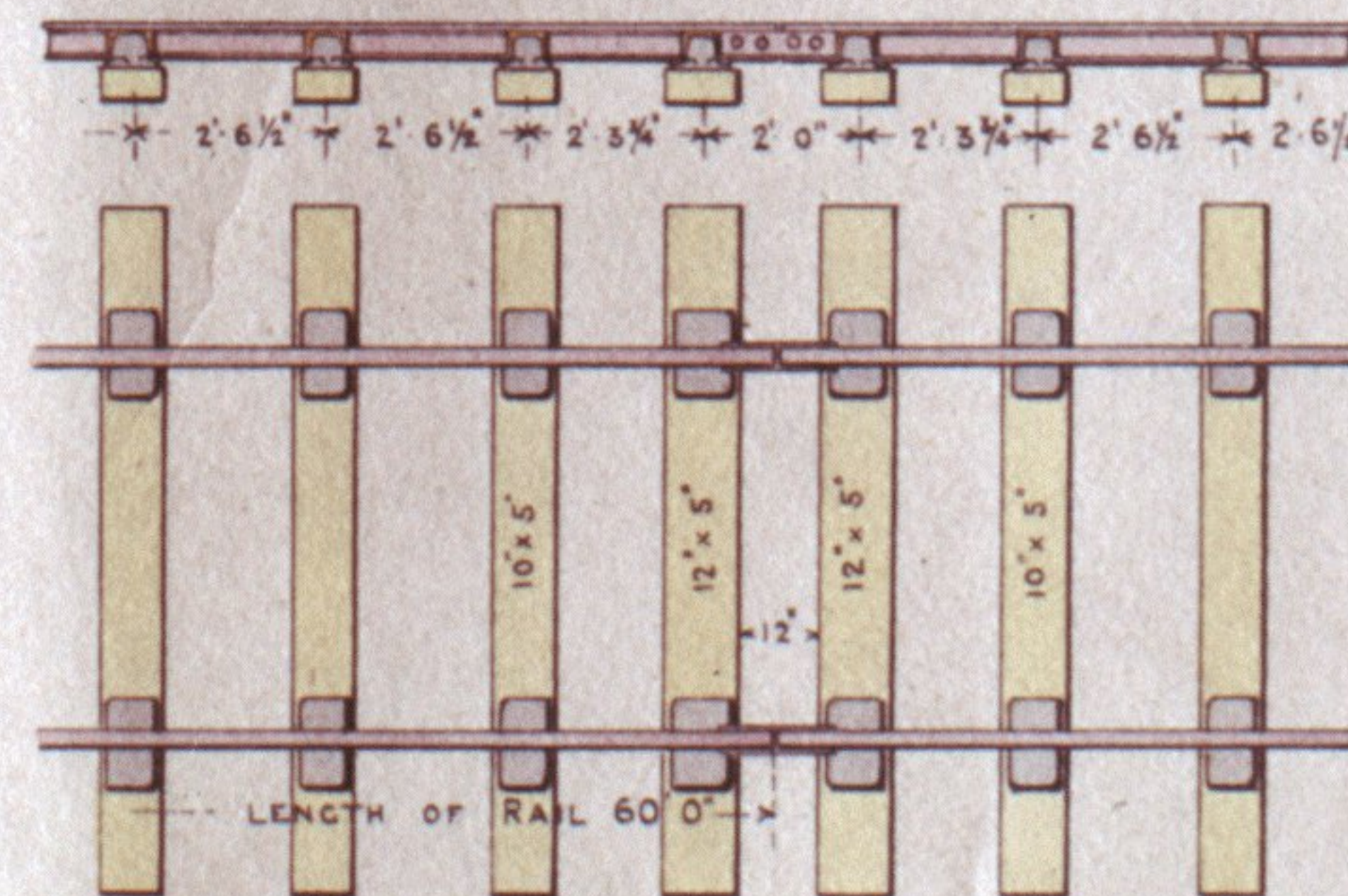
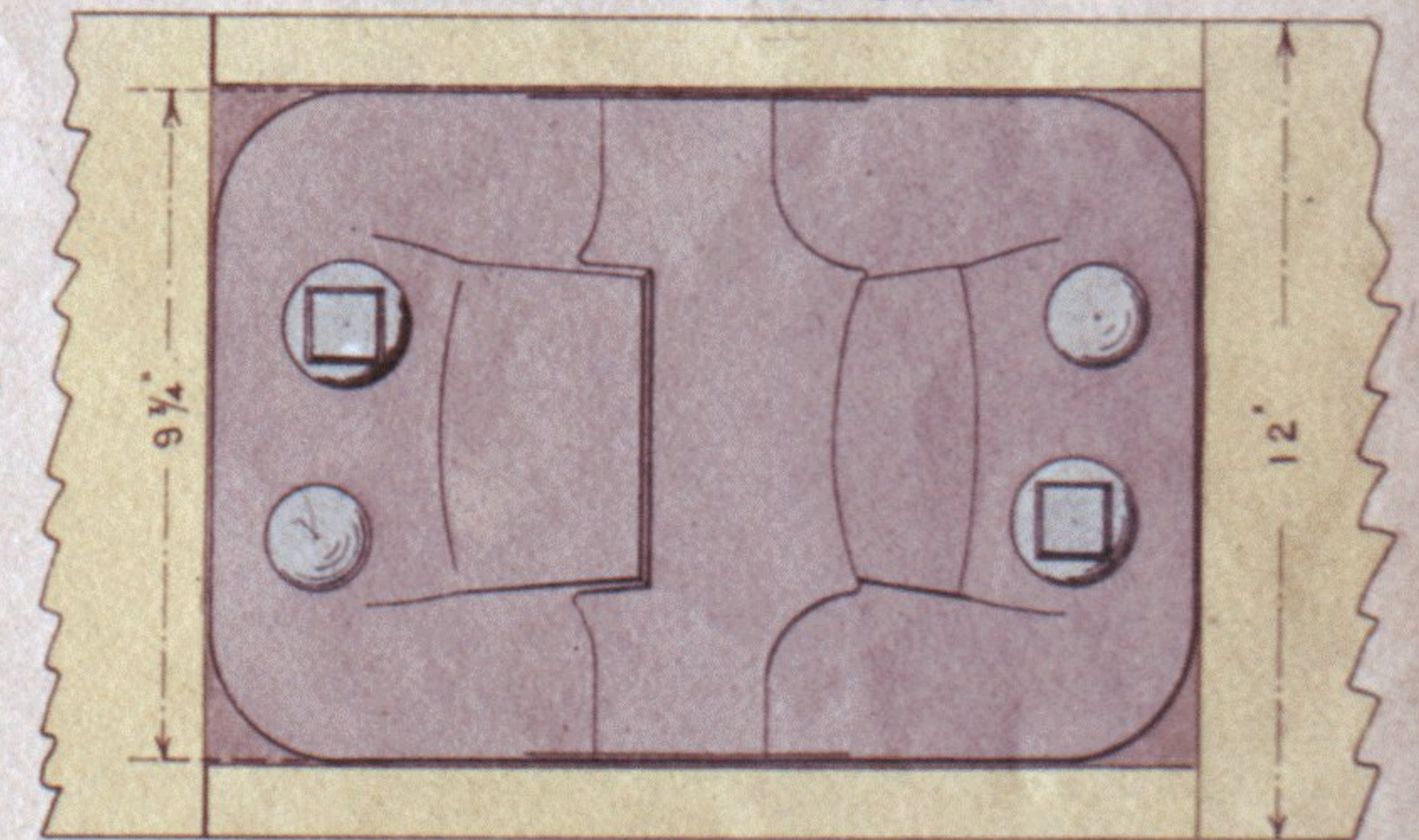
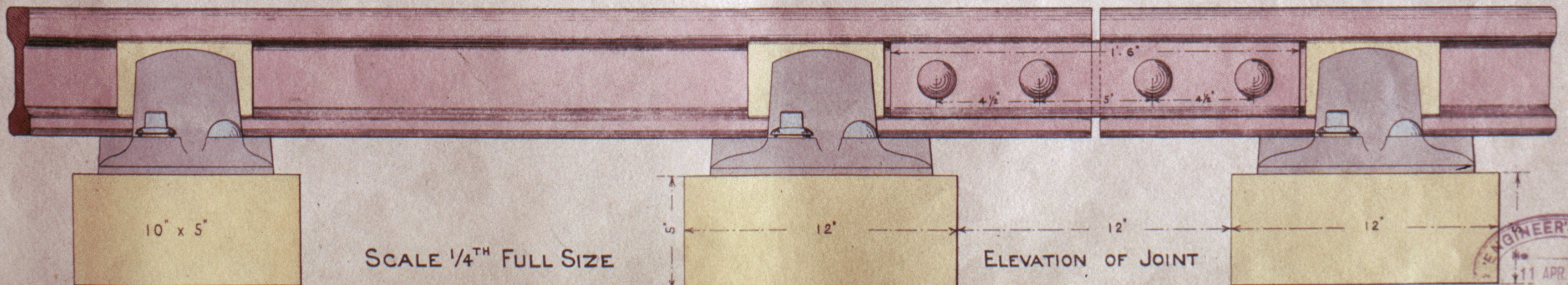


DIAGRAM SHEWING SPACING OF SLEEPERS.



PLAN OF JOINT CHAIR [WEIGHT 54 LBS]
(Rail & Key removed)



SCALE 1/4TH FULL SIZE

ELEVATION OF JOINT

