114. Tamping bars must be used on all ti Ties must not be equally tamped through their whole length. A sixteen-inch space on ea side of the rail must be thoroughly tamped, med to pre centre of the ties lightly tamped in order to preventls and t them from becoming centre-bound. Tamp joint a lates must shoulder ties particularly hard. on each

115. When ties are being renewed they must tamped at once to give as solid a bearing as the aced on the of the ties immediately adjoining to preserve t

surface of the rail.

116. When track is being re-ballasted, the balls like holes p must be put under the ties and well tamped wi shovel blade, and before ballast is trimmed it mu be thoroughly tamped with tamping bars.

RAIL BRACES.

Rail braces shall be used on shimmed trad guard rails, and switches, as shown on the standa plans, and on curves where tie plates are none remaining provided.

118. Where rail-braces are used they must placed in pairs one on each end of the same ti on curves up to 4 degrees, use four pairs per ft. rail length, increasing one pair per rail leng for each additional degree of curvature until ties are equipped.

119. They should extend from the point on the d the Sect tangent where elevation of the outer rail begins, the same point at the other end of the curve, by the first wo their frequency along the easement curve or tanger ven to this should diminish in the same ratio as the elevation 126. Inspe of the outer rail decreases.

123. At t ntre bolts rhtened su erve the e rhtened as Il bolted an 124. Nuts ird time as wys after th 125. One e Section 1 in joints are

nd take out

120. The

The

121.

122.

refully ad

and the