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d tie, the track (d) Square piles of ties should have one side removal, parallel with the track. Triangular piles should or the adjacent one angle pointed toward the track and the in and bedrock of the pile parallel thereto, and where possible its receptible a uniform distance therefrom.

(e) The roof layers of square piles should be tamping for as close as possible; in all other layers there each day. should be one inch of space between ties; to accomplish this, for large ties, seven only need be used per layer.

(f) Old ties which are removed from track must those delivered piled at the end of each day not more than owing seasonably to the pile, on opposite side of track from as near telegraph line, at least twelve feet from track, and possible, according to be burned when dry, after being so ordered, during suited to the first suitable weather, unless some other disposition is arranged for by the Roadmaster.

at least

### SWITCH TIES.

on the main track 110. Sawn ties must be used for all permanent distance of switch turnouts, cross-overs and diamond crossings. located as

drift on 111. They should be of the best available wood, must not be sawed square, and shall vary in length, as shown on the standard plans and specifications.

g rail. They must be seven inches thick and nine inches width.

ports of section 112. They must be placed, spaced and lined in an 6 inch exact conformance with the standard plans. piles, and in 2 ties

### TAMPING.

use in 113. Satisfactory surface cannot be maintained eeled before with any kind of ballast except by properly tamping the material under the ties with shovels and tamping bars.