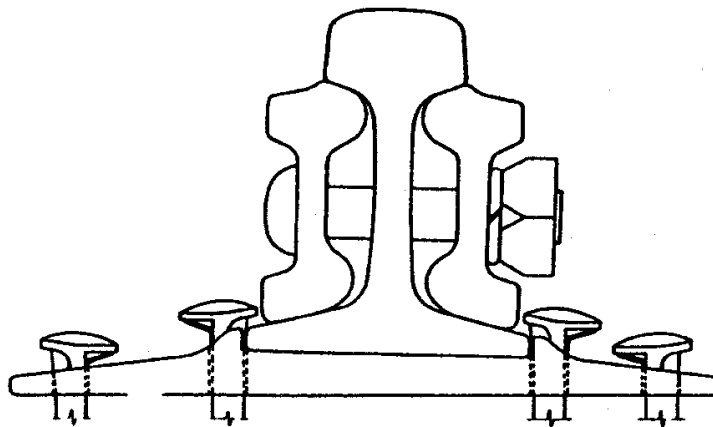


■ Indicates Rail Holding Spikes In All Cases.

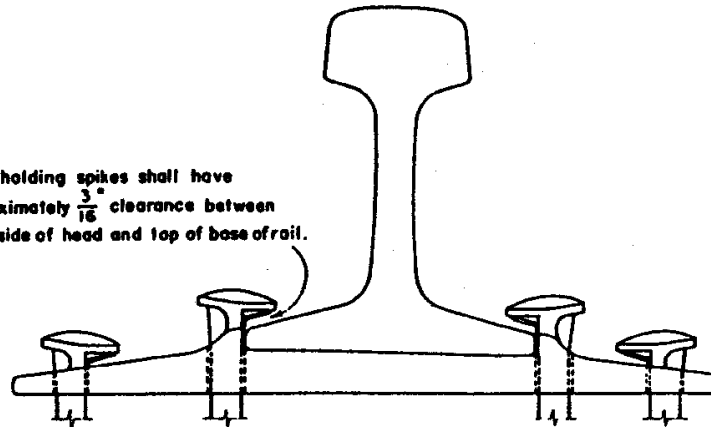
- ⊗ " Additional Rail Holding Spikes On Curved Track As Specified.
- ⊠ " 1st Plate Holding Spike (Where Only One Is Required).
- ⊞ " 2nd Plate Holding Spike (Where Two Are Required).
- " Additional Spike Holes To Be Used As Needed.



### SPIKE APPLICATION WITHIN JOINT BAR LIMITS

( Note - Reverse Position of Heads of Rail Holding Spikes )

Rail holding spikes shall have  
approximately  $\frac{3}{16}$ " clearance between  
underside of head and top of base of rail.



### SPIKE APPLICATION OF RAIL AND PLATE HOLDING SPIKES

( Tangent and Curved Track )

Spiking shall be in accordance with the  
Penn Central "Manual of Standard Practice For  
Construction and Maintenance of Track", M.W.-1.

Spiking on bridges and trestles shall be  
the same as for Standard Ballasted Track.



72050-D

**PENN CENTRAL**  
STANDARD

## **SPIKING ARRANGEMENT FOR TIE PLATES**

SEPTEMBER, 1968

*H.P.*  
Chief Engineer - Maintenance of Way

*C. Lafuma*  
Asst. Vice President