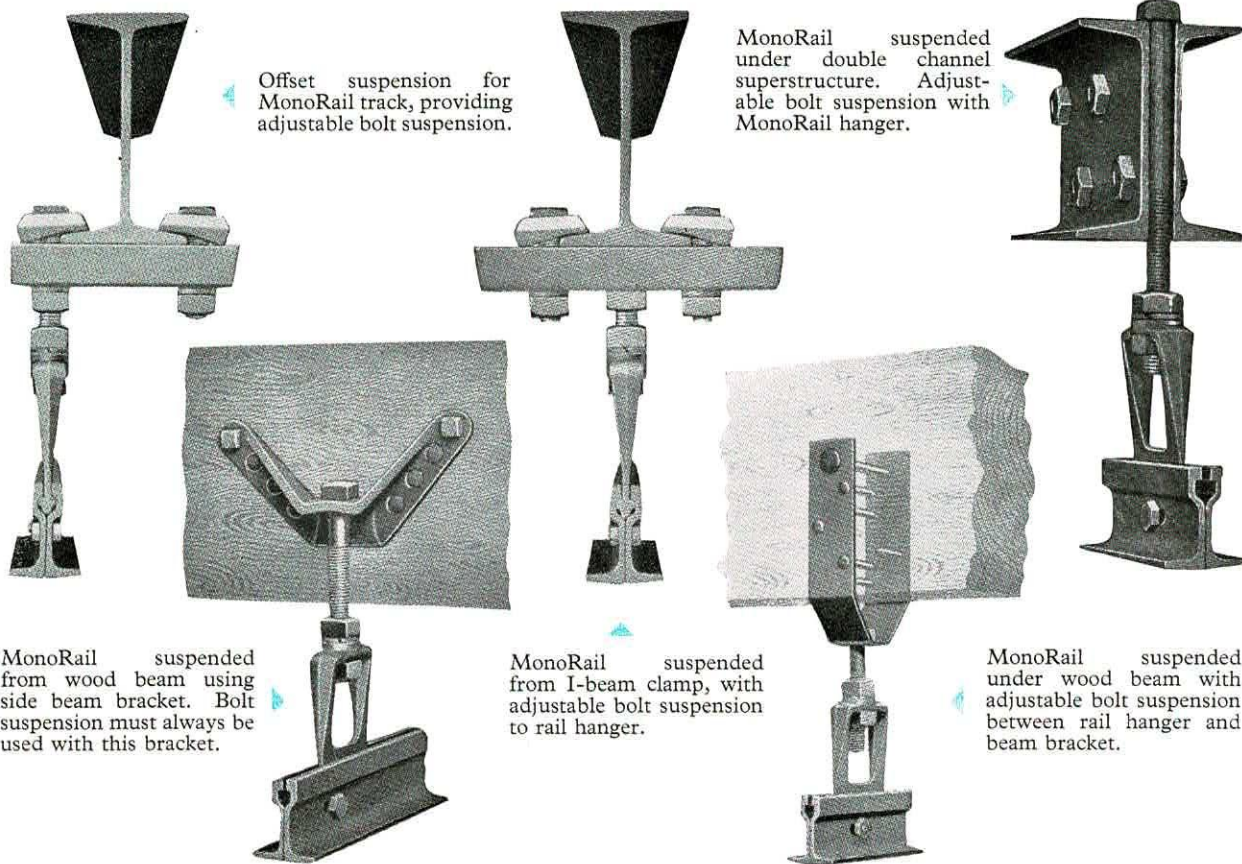


Track Suspension Methods



Offset suspension for MonoRail track, providing adjustable bolt suspension.

MonoRail suspended under double channel superstructure. Adjustable bolt suspension with MonoRail hanger.

MonoRail suspended from wood beam using side beam bracket. Bolt suspension must always be used with this bracket.

MonoRail suspended from I-beam clamp, with adjustable bolt suspension to rail hanger.

MonoRail suspended under wood beam with adjustable bolt suspension between rail hanger and beam bracket.

No overhead material handling system can be stronger than the units which support the track.

Beside strength, the factors of headroom saving, and ease and low cost of installation have been kept constantly in mind in developing the various types of suspension equipment.

Every unit has been figured with a surplus of strength for a liberal margin of safety. Advantage has been taken of every opportunity to save headroom. The hookup between the rail runway and the overhead beam or ceiling where headroom is at a premium is as close as can be and still allow trolley wheel clearance.

Where wood beams make up the superstructure, bolts and nails are furnished for attaching the wood beam brackets. Clamping bolts are furnished with I-beam brackets.

The factors of low cost and ease of installation will be easily recognised from the fact that in many cases the work may be done by shop gangs under supervision of master mechanic or millwright, or by local labour. Where erection is handled by customer, blueprints are furnished on which all parts are plainly numbered to indicate the location of the various units.

Track Suspension Equipment



Drop Forged Hanger

Hanger is a one piece drop forging which is assembled in the rail head for adjustable bolt suspension. It has a load bearing strength in excess of seven tons.



Side Bracket

For those cases where the bracket must be mounted on the side of beams for $\frac{3}{8}$ " bolt suspension, this bracket gives adequate support. Two bolts for top holes are furnished when size of beam is specified. Boat nails furnished to supplement bolts. Material—malleable iron. Weight : $1\frac{1}{4}$ lbs.



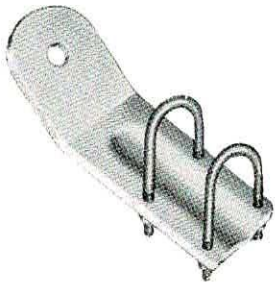
Wood Beam Brackets

These brackets for supporting MonoRail track from wood beams are attached by $\frac{3}{8}$ " bolts and special barbed boat nails. Brackets are formed from $1\frac{3}{4}$ " x $\frac{1}{2}$ " stock with centre of bolt holes approximately $5\frac{1}{2}$ " from bottom of beam. Bolts and nails furnished. Weight : 1 lb.



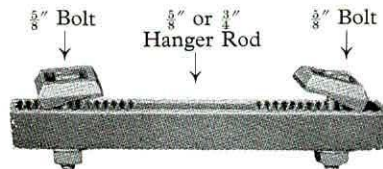
Ceiling Cleat

For attachment to wood or concrete ceiling, this cleat permits track suspension from $\frac{3}{8}$ " Hanger Bolts with 2" possible adjustment of track height. Holes for lag screws or expansion bolts drilled $\frac{3}{16}$ " on 5" centres. Material—Pressed from $\frac{1}{4}$ " stock. Weight : $1\frac{1}{2}$ lbs.



Pipe Brace Fitting

This adjustable clamp permits easy bracing with 1" standard pipe. The fitting firmly clamps the end of the pipe which is cut to approximate length. It can be adjusted to exact length at erection, making close measurement unnecessary. Clamping "U" bolts furnished. Flange drilled $\frac{11}{16}$ " for mounting bolt. Weight : $\frac{3}{4}$ lb.



Beam Flange Clamp

Drop forge parts combine strength with flexibility in furnishing these load carrying supports for use under beams ranging from $2\frac{1}{4}$ " flange width to $8\frac{1}{2}$ " width.



Suspension Buckle

Used for diagonal support as a bracing against track sway. This buckle is made of high grade malleable iron. Weight : $2\frac{1}{2}$ lbs.