

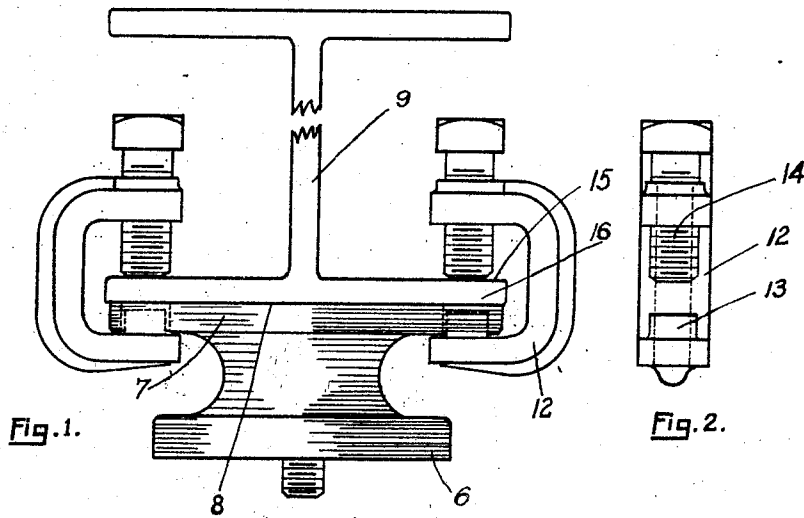
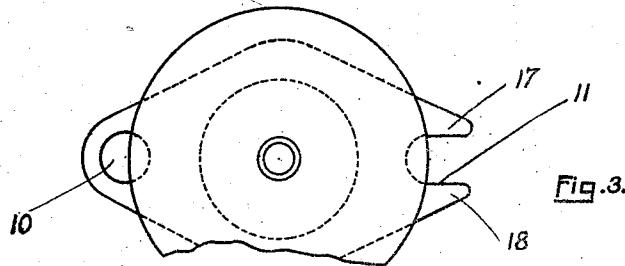
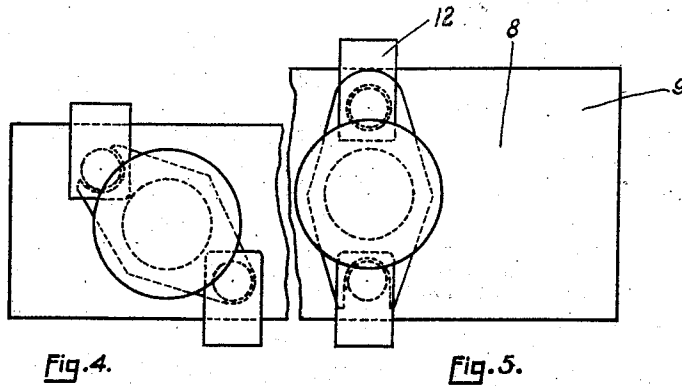
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1,580,302

L. JOHNSTON

HANGER MOUNTING

Filed Jan. 15, 1924



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UNITED STATES PATENT OFFICE.

LYNN JOHNSTON, OF CINCINNATI, OHIO, ASSIGNOR TO THE ELECTRIC RAILWAY EQUIPMENT COMPANY, OF CINCINNATI, OHIO, A CORPORATION OF OHIO.

HANGER MOUNTING.

Application filed January 15, 1924. Serial No. 686,420.

To all whom it may concern:

Be it known that I, LYNN JOHNSTON, a citizen of the United States of America, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in a Hanger Mounting, of which the following is a specification.

An object of my invention is to provide a hanger mounting that will permit ready adaptation thereof to I-beams of various widths.

Another object of my invention is to provide a structure for the purpose stated that will permit the dispensing with large stocks of hangers that have heretofore been necessary in order to meet the demand for hangers to be mounted on specific width I-beams and the like.

Another object of my invention is to provide a device of the class described that is especially adapted to use in mines and the like.

These and other objects are attained by the means described herein and disclosed in the accompanying drawings, in which:

Fig. 1 is an end elevation of an I-beam having mounted on it a hanger with which is employed mounting means embodying my invention.

Fig. 2 is an end elevation of a clamp forming a detail of my invention.

Fig. 3 is a fragmental inverted plan view of a hanger forming a detail of my invention.

Figs. 4 and 5 are inverted plan views of I-beams of different widths showing the application of hangers and mounting means therefor, and embodying my invention.

The hangers 6 may be of any general form or shape and is generally provided with an upper flange 7 for engagement upon a given surface such as the under face 8 of an I-beam 9. The flange 7, in carrying out my invention, is usually provided at one place with an aperture or opening 10 and at a place substantially diametrically opposite thereto with a recess or slot 11. A clamp 12, simulating the well known C-clamp is provided with an upwardly extending lug 13 that may enter the opening 10 and that may lodge in the recess or slot 11. The screw 14 is pro-

vided for engagement upon the upper face 15 of the flange 16 of the I-beam.

In the application of devices embodying my invention, the lug 13 of one clamp 12 is lodged within the opening 10 and the clamp is mounted upon one flange of the I-beam, as shown at the left hand portion of Fig. 1. The bolt 14 is drawn sufficiently tight to preclude the hanger 6 from dropping and to preclude the clamp from displacement upon the I-beam whereupon the hanger 6 may be moved about the lug 13 as a pivot until the slot 11 is brought into such position that a second clamp 12 may receive a flange of the I-beam and the flange 7 with the lug 13 of said second clamp lodged within the recess or slot 11. The bolts or screws 14 may then be tightened for completing the mounting of the hanger upon the I-beams.

By reference to Figs. 4 and 5, it will be apparent that the same hangers 6 and the same clamps 12 may be used upon I-beams that vary in width downwardly to substantially the distance between the center of the opening 10 and the free ends 17 and 18 of the clamp defining the recess 11. It will be evident that the size or width of the I-beam will in no way modify the security with which the hanger 6 may be mounted upon the I-beam. It will also be readily evident that the hanger 6 may be readily adjusted about the pivot 13 for accommodating the hanger and clamp to a given I-beam within the limits of I-beams as previously stated.

What I claim is:

A hanger and mounting means therefor adapted for attachment to I-beams of various flange widths comprising a hanger flange having openings at its opposite ends, and a pair of C-clamps adapted to extend about the opposite edges of an I-beam flange and each having a lug for entry into the openings of the hanger flange, the hanger flange capable of assuming a position at any angle to the width of the I-beam flange limited by the distance between the lugs on the C-clamps when received by the hanger flange and I-beam flange.

In testimony whereof, I have hereunto subscribed my name this 12th day of January, 1924.

LYNN JOHNSTON.