

G. I. ROCKWOOD & H. G. CARLSON.

HANGER SUPPORT.

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989,808.

Patented Apr. 18, 1911.

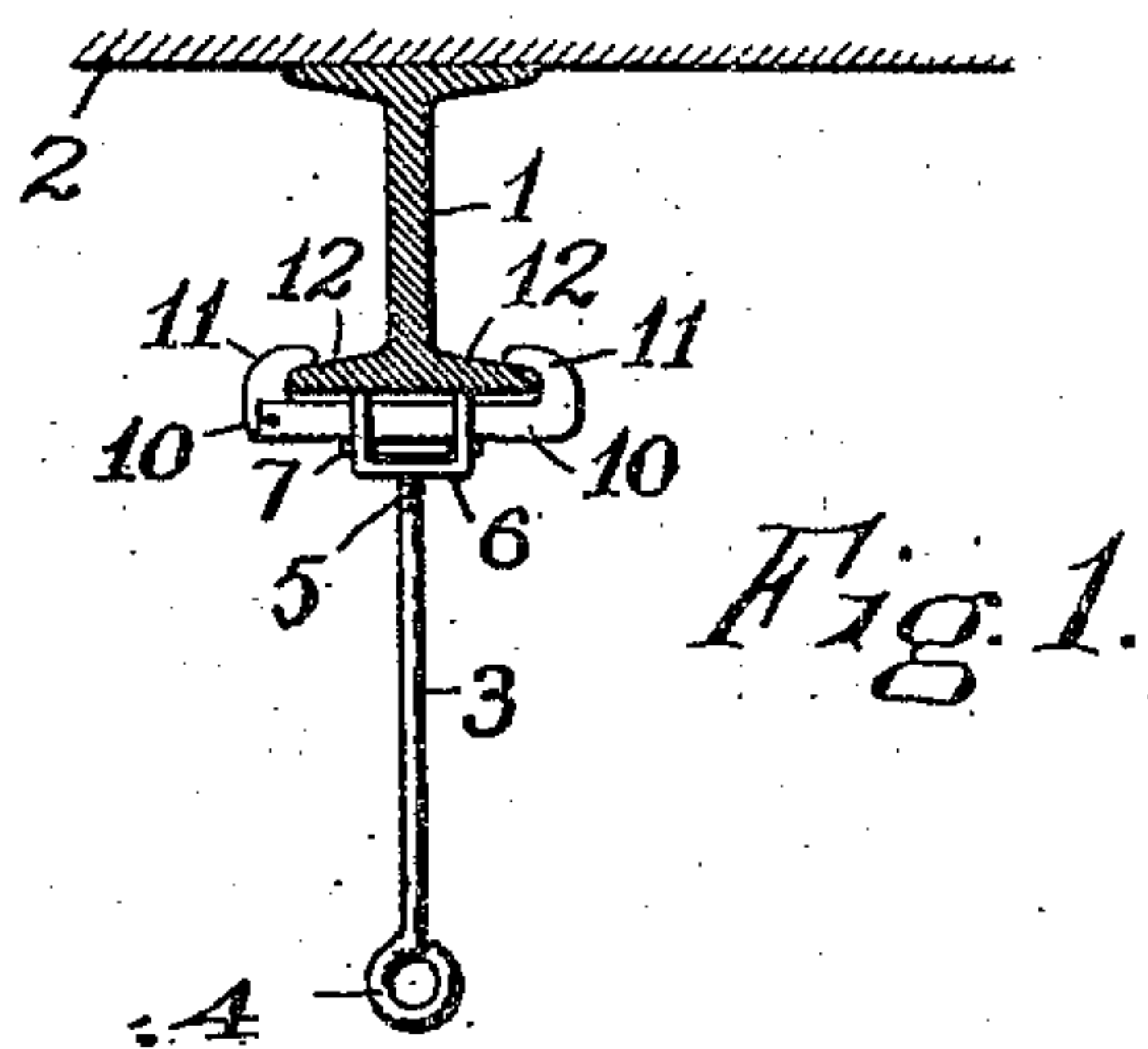


Fig. 1.

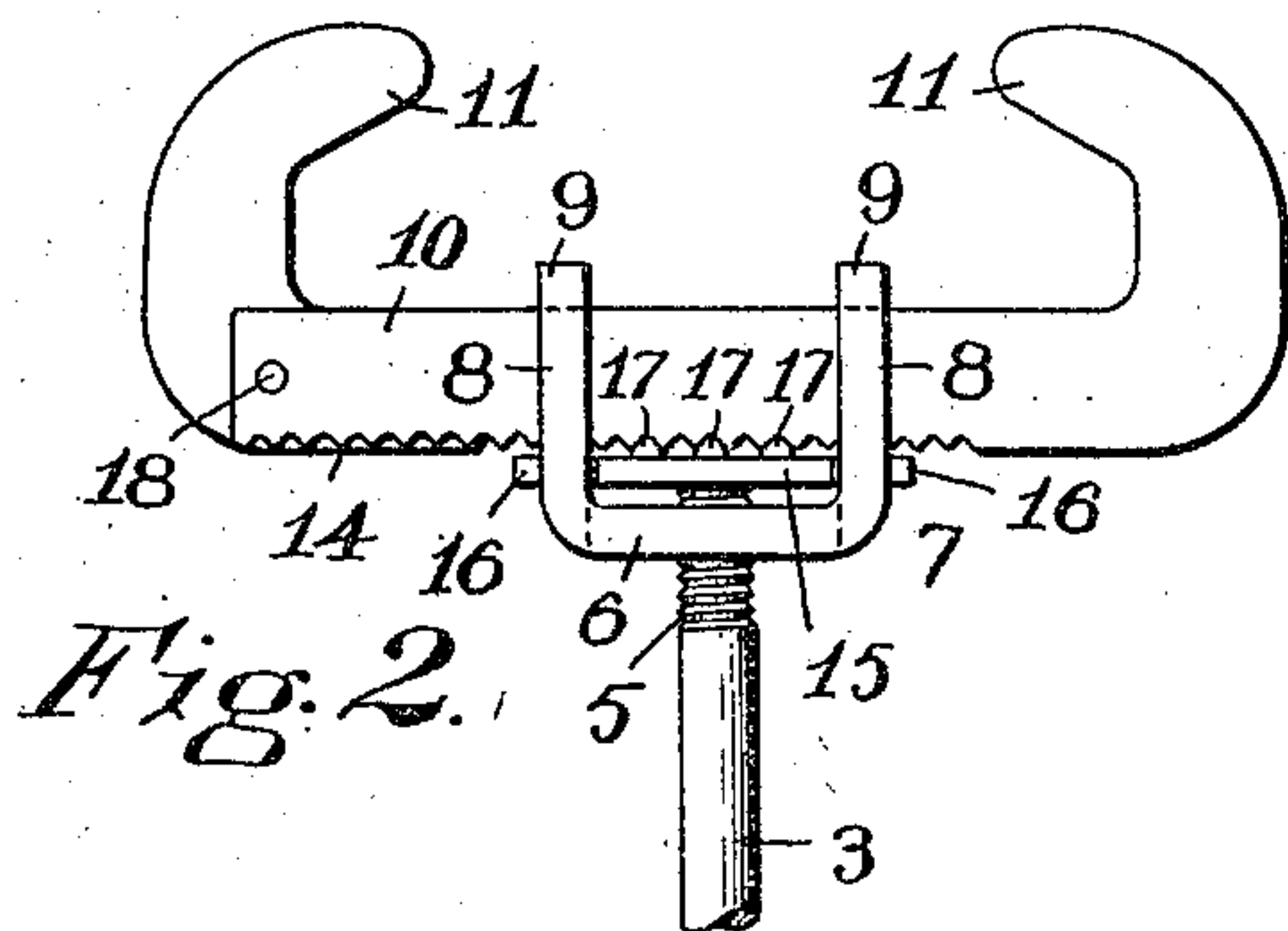


Fig. 2.

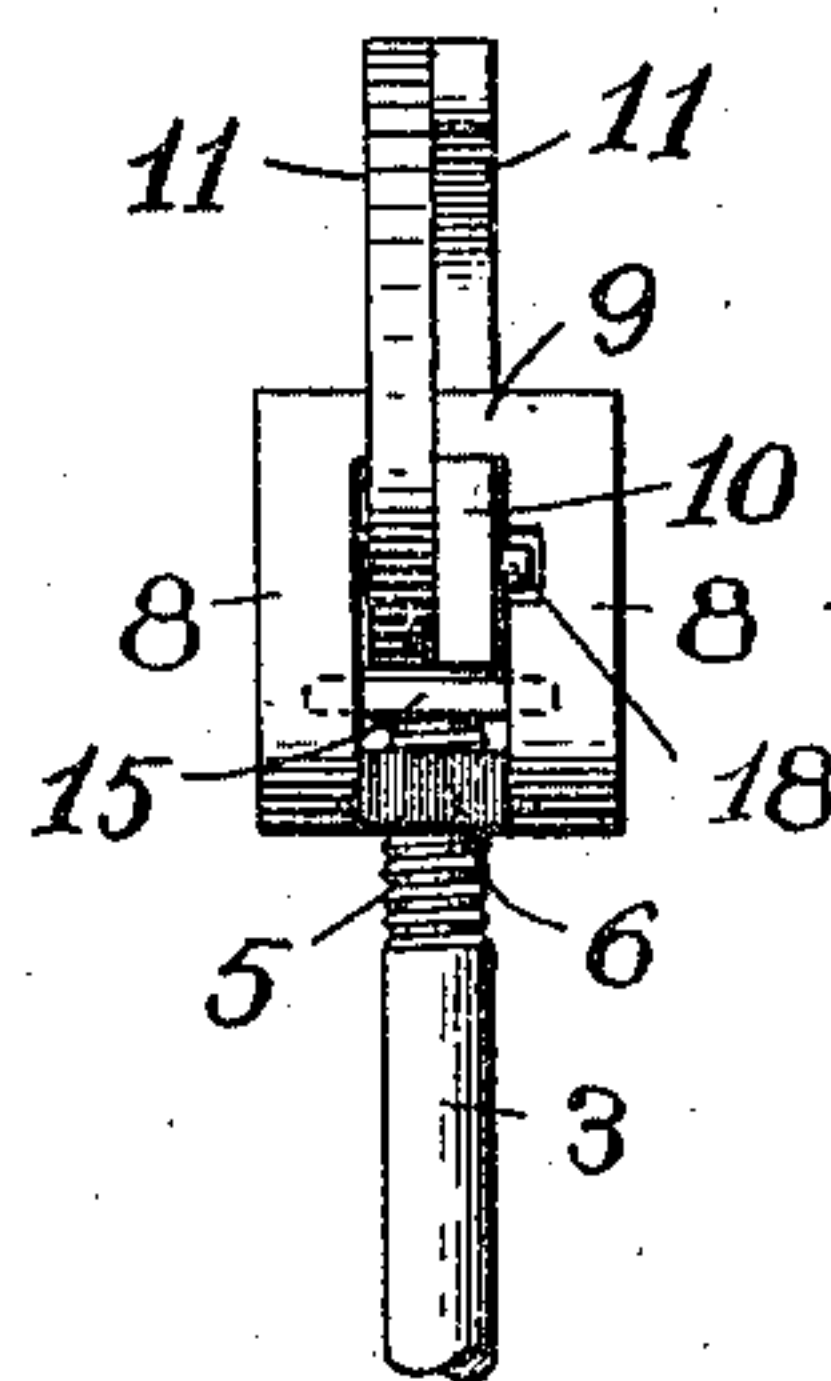


Fig. 3.

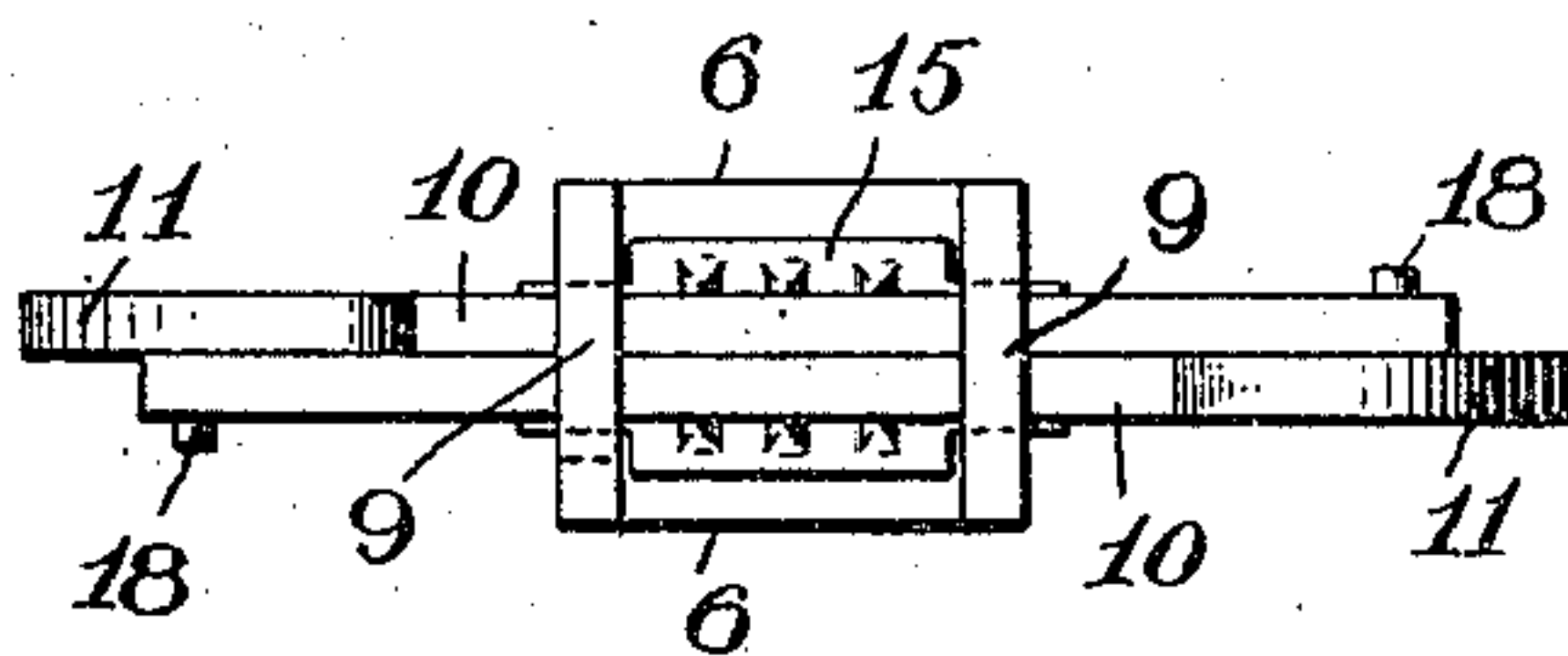


Fig. 4.

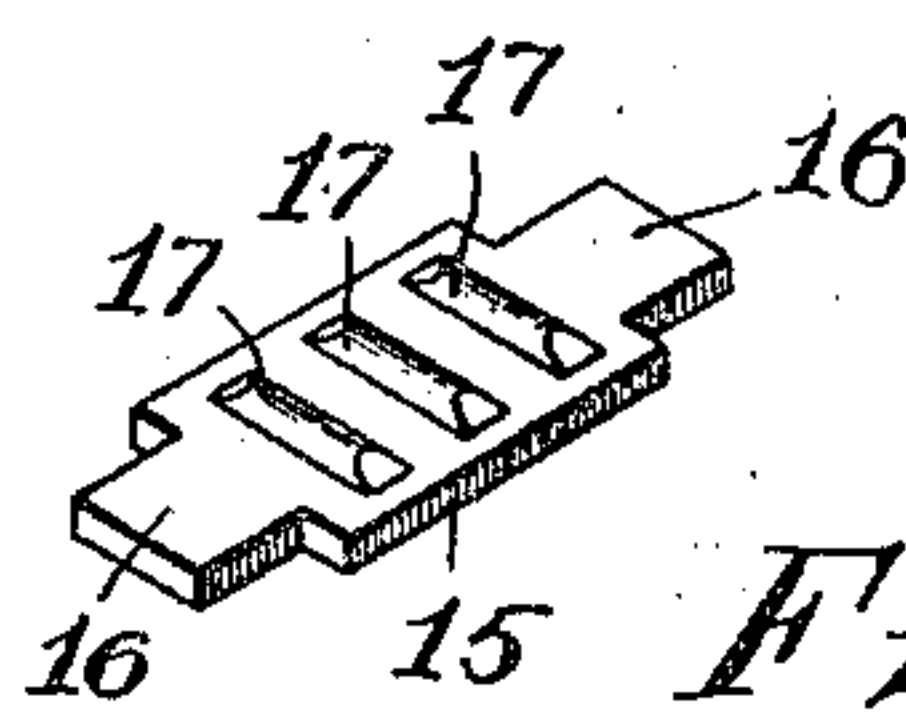


Fig. 5.

Witnesses.

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HANGER-SUPPORT.

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To all whom it may concern:

Be it known that we, GEORGE I. ROCKWOOD and HJALMAR G. CARLSON, citizens of the United States, residing at Worcester, in the county of Worcester and Commonwealth of Massachusetts, have invented a new and useful Improvement in Hanger-Supports, of which the following is a specification, accompanied by drawings forming a part of the same, in which—

Figure 1 is a side view of our improved hanger support in position. Fig. 2 is a side view on an enlarged scale of the hanger support. Fig. 3 is an end view of the same on the scale of Fig. 2. Fig. 4 is a top view also on the scale of Fig. 2, and Fig. 5 is a detached perspective view of the locking plate.

Similar reference characters refer to similar parts in the different figures.

Our invention relates to improved means of support for a hanger from a horizontal surface, said support provided with upwardly turned hooks arranged to engage the flanges of supporting beams, such as I beams, and it consists in the construction and arrangement of parts as hereinafter described and pointed out in the annexed claim.

Referring to the accompanying drawings, 1 is a section of an I beam supported at either end in the usual manner, not shown, and supporting on its upper surface the floor 2. The hanger comprises a rod 3, in the present instance provided with a supporting eye 4 and a screw threaded end 5 which is inserted in a screw threaded central opening through the horizontal bottom 6 of the U-shaped framework 7 of the hanger support. The framework 7 comprises the horizontal bottom 6 and at the end of the bottom is a pair of parallel vertical arms 8, each pair connected at the top by a bar 9. Between the arms 8, 8 are inserted the supporting plates 10. The plates 10 are held in contact between the arms 8 and are turned upwardly at the outer ends to provide hooks 11 adapted to engage the flanges 12, 12 of the I beam 1. The plates 10, 10 are arranged to slide horizontally in order to vary the distance between the hooks 11 to accommodate them to different supporting means.

A portion of the lower edge 13 of each plate 10 is serrated at 14, as shown in Fig. 2,

and a locking plate 15 is provided with ends 16, 16 arranged to be inserted between the vertical arms 8 of the U-shaped framework below the plate 10. The locking plate 15 is designed to be supported upon the bottom 6 of the framework 7, and is provided upon its upper surface with teeth 17 arranged to engage the serrations 14 upon the sliding plates 10 when the plate 15 is raised by the insertion of the screw threaded end 5 of the rod 3. The distance between the supporting hooks 11 is varied to correspond with the width of the supports to be embraced by the hooks. The plates may be locked from longitudinal movement when the hooks have been applied to the support by the locking plate 15 when it is brought into contact with the plates 10 by the screw threaded hanger rod 3.

The sliding plates 10 are provided at the end opposite the hooks 11 with projections 18 which prevent the removal of the plates 10 from the framework 7. One side of each arm 8 of the framework 7 nearer the projection 18 is notched at 19, as shown in Fig. 3, to allow the passage of the projections 18 and give a greater range of adjustment between the hooks 11. The projection 18 may, therefore, slide past one of the arms 8 and be stopped by the other arm. The hanger also may be adjusted horizontally on the hanger support between the hooks 11 by releasing the plate 15 and moving the framework 7 until the desired position of the hanger is attained, when the plate 15 is again locked in engagement with the serrations 14 on the plates 10.

We claim,

The combination with a hanger, of a hanger supporting framework, a pair of supporting plates within said framework, a portion of the lower edge of each plate serrated, and a locking plate having teeth arranged to engage said serrations, said locking plate held in said engagement by the screw threaded end of said hanger.

Dated this twenty-ninth day of January 1910.

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Witnesses:

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