No. 862,372. PATENTED AUG. 6, 1907.

D. A. ALEXANDER.

BEAM CLAMP AND HANGER.

APPLICATION FILED DEC. 12, 1906.

Fig. 1.

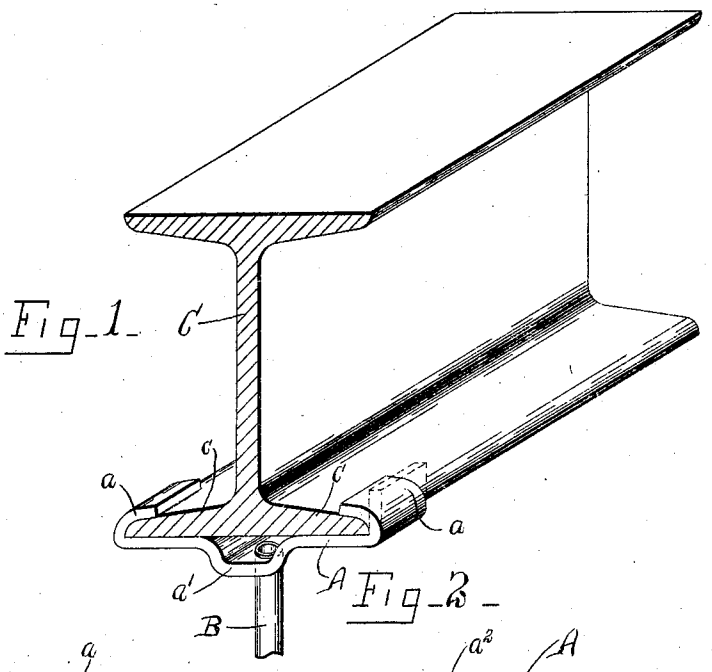


Fig. 2.

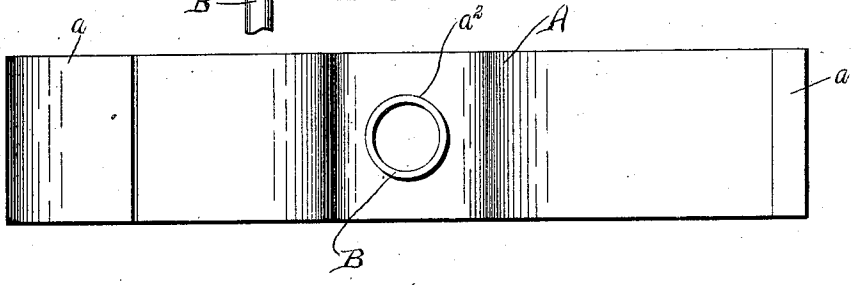
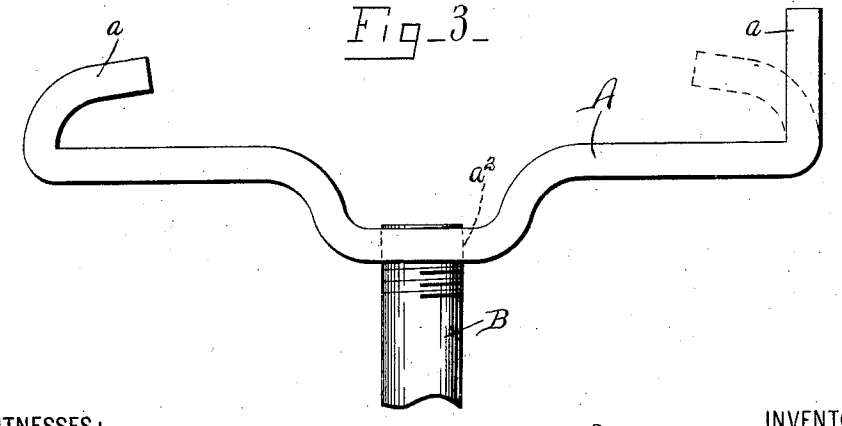


Fig. 3.



WITNESSES:

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DAVID A. ALEXANDER, OF ROCHESTER, NEW YORK.

BEAM-CLAMP AND HANGER.

No. 862,372. Specification of Letters Patent. Patented Aug. 6, 1907.

Application filed December 12, 1906. Serial No. 347,469.

To all whom it may concern:

Be it known that I, DAVID A. ALEXANDER, of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Beam-Clamp and Hanger, of which the following is a specification.

My invention has for its object the production of a beam-clamp and hanger which is particularly simple in construction and efficient in use; and it consists in the combinations hereinafter set forth and claimed.

In describing this invention reference is had to the accompanying drawing in which like characters designate corresponding parts in all the views.

Figure 1 is an isometric view of a portion of a beam and the upper part of my beam-clamp and hanger operatively engaged therewith, a flexible part of said clamp and hanger being indicated by dotted lines in its position assumed before being bent upon the contiguous flange of the beam. Figs. 2 and 3 are, respectively, plan and elevation of the means shown in Fig. 1, the beam being omitted and said flexible part being illustrated in full lines in its position indicated by dotted lines in Fig. 1.

This beam-clamp and hanger comprises a horizontal bar A and a depending rod B. The bar A is formed of greater width than thickness, is arranged beneath a beam C having flanges *c* at opposite sides of its base, and is provided with flexible ends *a* which are bent around and clamped upon the contiguous parts of the flanges *c*. The central portion *a'* of the bar A is depressed and spaced apart from or below, the opposing surface of the lower face of the beam C, and the parts of the bar between the depressed central portion *a'* and the flexible ends *a* engage the under faces of the flanges C for coöperating with the flexible ends *a* to hold the hanger rigid with the beam. Said depressed portion *a'* is provided with a threaded vertical opening a^2.

The rod B is usually tubular, and its upper end is threaded and adjustably screwed in the opening a^2. The lower end of the rod B is not illustrated, but may be of any desirable form, size, and construction.

My beam-clamp and hanger is composed of two parts of simple construction and is thus cheaply manufactured. As the flexible ends of the bar A closely fit around the beam C, the bar A takes up but a minimum space, and if desired, can be readily concealed in the plastering subsequently applied to the beam in the finish of the room. The rod B may be detached from, and attached to, the bar A at will without requiring removal of said bar from the beam C, and consequently, when the clamp is not in use the rod B may be withdrawn. Moreover, the depressed portion a^2 of the bar A permits of a maximum adjustment of the rod B which may be screwed vertically until its upper end engages the lower surface of the beam C.

What I claim is:—

1. A beam-clamp and hanger comprising a bar provided with flexible ends and a depressed central portion, and a depending rod having its upper end secured to said depressed central portion, substantially as and for the purpose specified.

2. A beam-clamp and hanger comprising a bar provided with flexible ends and a depressed central portion having a threaded vertical opening, and a depending rod having its upper end threaded and adjustable in said opening, substantially as and for the purpose described.

3. In combination with a beam having flanges at opposite sides of its base; of a beam-clamp and hanger comprising a bar of greater width than thickness provided with flexible ends bent around the contiguous parts of the flanges of the beam, and having a depressed central portion spaced apart from the opposing surface of the beam and formed with a threaded vertical opening, the parts of the bar between the depressed portion and the flexible ends engaging the under faces of said flanges for coöperating with the flexible ends to hold the hanger rigid with the beam, and a depending rod having its upper end screwed into said threaded opening, substantially as and for the purpose set forth.

In testimony whereof, I have hereunto signed my name in the presence of two attesting witnesses, at Rochester, in the county of Monroe, in the State of New York, this 20th day of October, 1906.

DAVID A. ALEXANDER.

Witnesses:
JOHN H. DAILEY,
WM. H. BEACH.