

No. 854,209.

PATENTED MAY 21, 1907.

W. GOSS.

CLIP FOR METAL BUILDING CONSTRUCTION.

APPLICATION FILED JAN. 25, 1906. RENEWED APR. 15, 1907.

Fig. 1

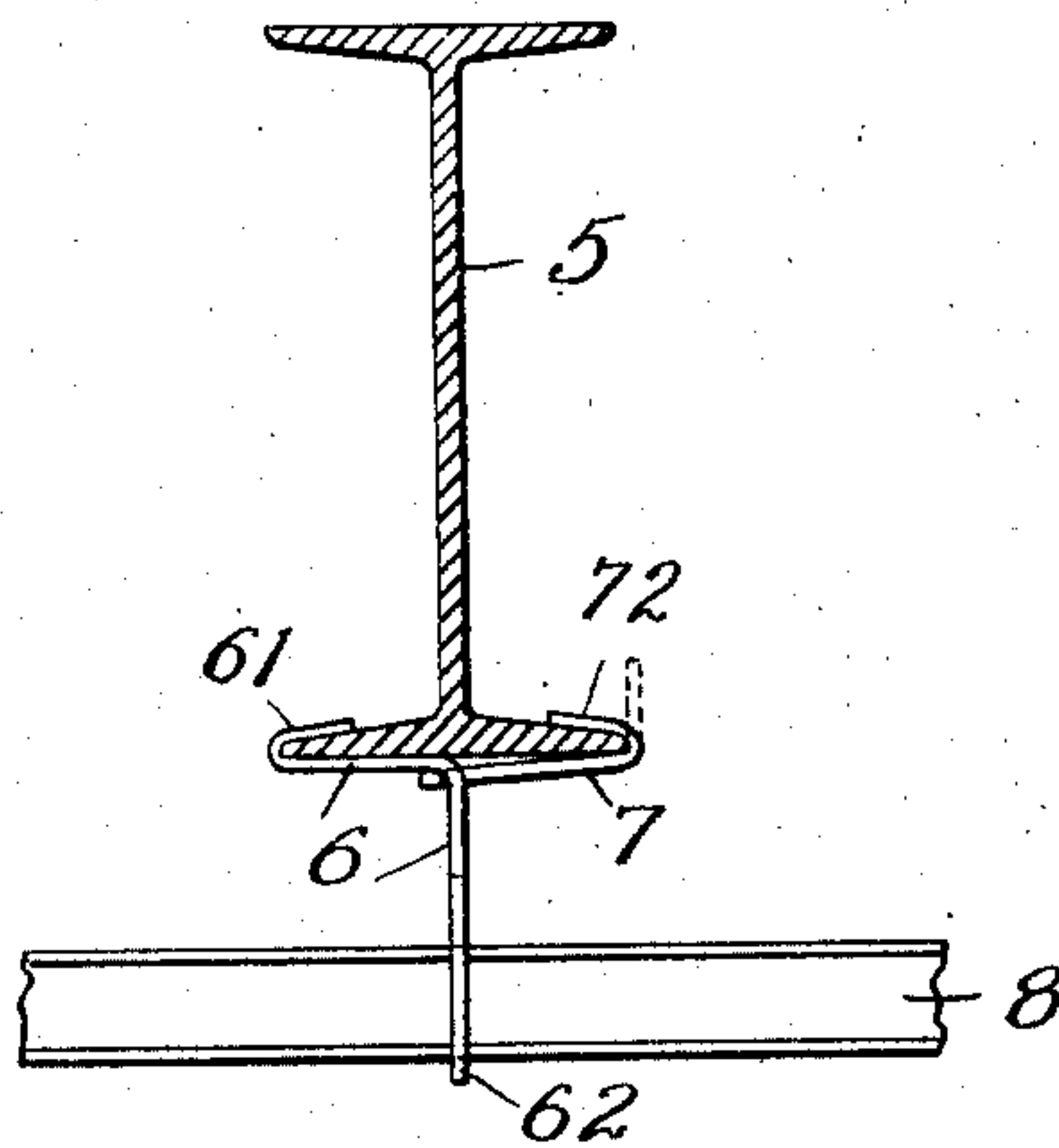


Fig. 2

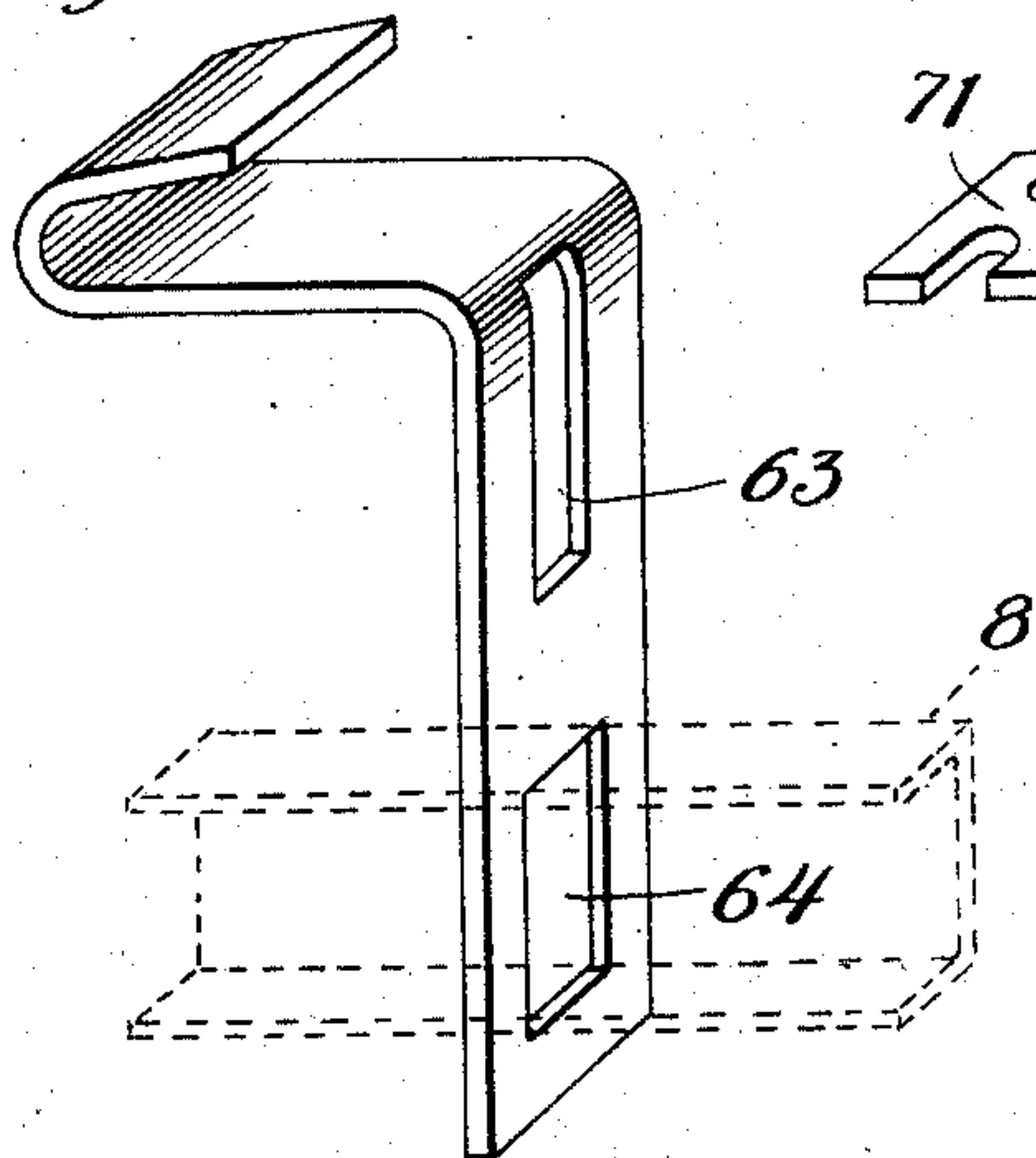
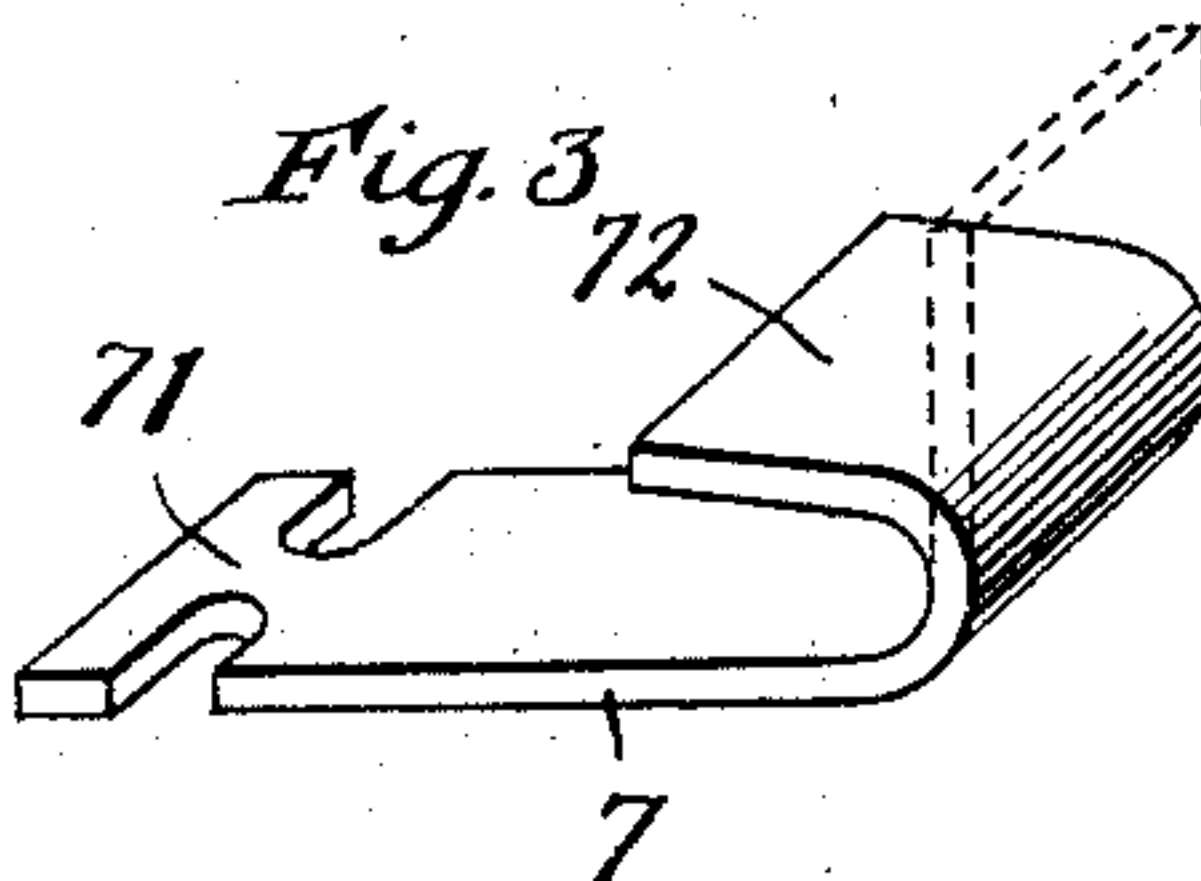


Fig. 3



Witnesses:

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UNITED STATES PATENT OFFICE.

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CLIP FOR METAL BUILDING CONSTRUCTION.

No. 854,209.

Specification of Letters Patent.

Patented May 21, 1907.

Application filed January 25, 1906. Renewed April 15, 1907. Serial No. 368,245.

To all whom it may concern:

Be it known that I, WILLIAM GOSS, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Clips for Metal Building Construction, of which the following is a specification.

This invention relates to clips for suspending ceilings from floor beams of fire-proof buildings, and more particularly to the method of attaching the metal frame-work of the ceilings to the floor beams.

The nature of the invention and its method of use will be fully understood from the description which I give below, and from the accompanying drawing forming a part of this specification.

In said drawing, Figure 1 is a sectional elevation of a floor beam having a member of the ceiling frame suspended therefrom by my invention. Fig. 2 is an enlarged perspective of one member of my suspending device and Fig. 3 is an enlarged perspective of the other member thereof.

In said drawing, 5 represents the floor beam, usually an eye beam. To the lower flanges of this eye beam my invention is secured and it consists of two members 6 and 7 adapted to be secured together at the time they are placed upon the eye beam. Unitedly they form a clip. The part 6 is fashioned as more particularly shown at Fig. 2. That is to say, its upper end is bent over as at 61 so that it may embrace one of the flanges of the eye beam and it is also provided with a depending portion 62. In this depending portion two openings are formed, 63 and 64. The opening 63 is intended to receive the interlocking end of the member 7 and the lower opening receives the channel bar 8 or other portion of the ceiling framework, as will be understood from Fig. 2, said depending portion thus serving as a hanger for the ceiling. The other member 7 of the clip has an interlocking tongue 71 formed on one end adapted, when the member is tipped up so that it stands edgewise, to be entered in the upper opening 63 of the member 6 and then by returning the member 7 to horizontal position, the ends of the tongue will serve to lock the two members together. At the other end 72, the member 7 is turned up and

over so as to fit the flange of the eye beam. Of course, to permit the turning movement, the end 72 should not, before the clip has been positioned on the eye beam, be turned farther than to a right angle position, the final bend being imparted by the hammer after the clip has been placed upon the eye beam.

The clip thus formed can be placed upon the eye beams at any time and not be so placed concurrently with the concrete as is necessary with some of the forms of clips now used. It is readily secured upon the beam, is very easy and cheap to make and very strong. The downward strain upon the hanger portion tends to draw the bent over ends more closely together upon the eye beam. The clip is also easily adaptable to eye beams of various sizes, as it is only necessary to make the member 7 of a length to fit the beam, no harm being done if the hanger portion of member 6 does not come directly under the center of the eye beam. If hangers of different lengths are required, the only member needing change is the member 6. Of course, it will be understood that the invention may be used for other purposes than suspending ceilings.

While I have illustrated and described the invention as applied to I beams, it will be understood that it may be used in structures where it will be attached to beams or bars of other forms.

I claim:—

1. The clip for suspending ceilings, etc., from eye or other beams consisting of members 6 and 7, one of said members having an opening, and the other having an integral tongue adapted to be entered in said opening and to be locked therein by a turning movement.

2. The clip for suspending ceilings, etc., from eye or other beams, consisting of two members 6 and 7, the part 6 having a depending hanger portion and the part 7 having a tongue adapted to be entered and turned in an opening in the part 6 to effect a locking of the two members together.

WILLIAM GOSS.

Witnesses:

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