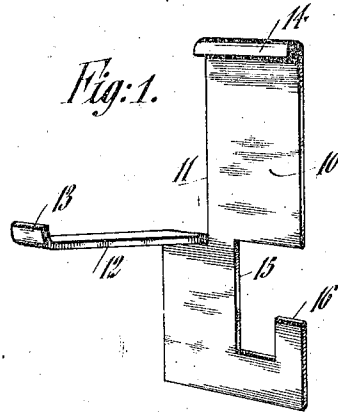
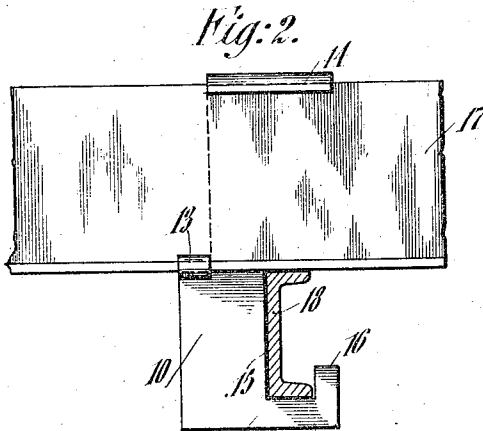
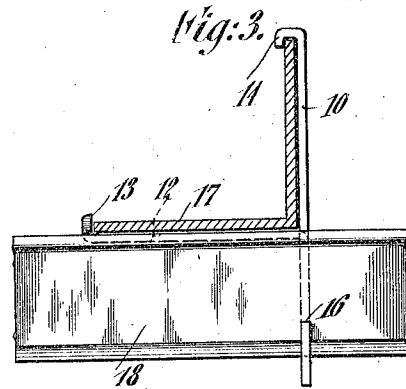
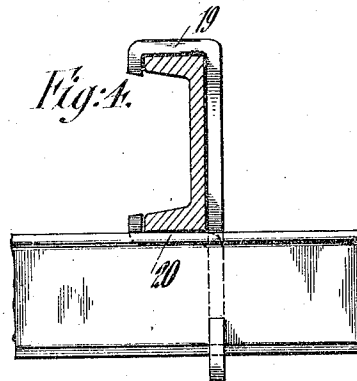


W. F. LA MORTE.
HANGER OR CLIP FOR STEEL FRAMEWORK CONSTRUCTION.
APPLICATION FILED DEC. 4, 1915.

1,218,283.

Patented Mar. 6, 1917.



John Schwarz

Inventor
William F. La Morte
by
Carl P. Schaefer
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM F. LA MORTE, OF NEW YORK, N. Y., ASSIGNOR TO THE FIREPROOF CONTRACTORS CORPORATION, A CORPORATION OF NEW YORK.

HANGER OR CLIP FOR STEEL FRAMEWORK CONSTRUCTION.

1,218,283.

Specification of Letters Patent.

Patented Mar. 6, 1917.

Application filed December 4, 1915. Serial No. 65,153.

To all whom it may concern:

Be it known that I, WILLIAM F. LA MORTE, a citizen of the United States, and a resident of the city of New York, county of Bronx, and State of New York, have invented certain new and useful Improvements in Hangers or Clips for Steel Framework Construction, of which the following is a specification.

10 The present invention relates to an improved hanger or clip particularly to be used for supporting and connecting angle, channel or other such bars or rods, for the attachment of metal lathing or the like, as
15 employed in the building of steel and concrete structures. An object of the invention is to provide an improved device of this character which may be constructed from a single piece of strap iron or the like, will be
20 inexpensive and simple in manufacture, and will prove highly desirable and effectual in use.

25 With this and other objects in view, my invention is shown in the accompanying drawings, and will be hereinafter more fully described with reference thereto and finally pointed out in the claim.

In the accompanying drawings,

30 Figure 1 is a perspective view of my improved hanger or clip;

Fig. 2 is a front view showing the same attached to the supporting bars;

Fig. 3 is a side view thereof showing the same attached to the supporting bars; and

35 Fig. 4 is a similar view of a slightly modified form of construction.

Similar reference characters indicate corresponding parts throughout the several figures of the drawings.

40 Referring to the drawings, and more particularly to Fig. 1 thereof, my improved device is formed from a single piece of material such as strap iron or the like, and comprises a main or body portion 10, which in
45 the manufacture is split vertically, as at 11, and the arm 12 is bent forwardly thereof, the outer end of the same being curved upwardly, as at 13, to form a retaining portion for the angle bar, as hereinafter more
50 fully described.

The upper end of the portion 10 is provided with a hooked portion 14 formed by bending the upper portion thereof downwardly upon itself. A recessed or cut-out
55 portion 15 is provided in the lower half of

the body portion 10 at the opposite side from the arm 12, and having a restricted entrance 16, which permits insertion of the channel bar to be supported. The upper edge of the recessed portion 15 is in the same plane with
60 the upper surface of the arm 12, so that the channel bar supported therein snugly engages the under surface of the angle bar to which the clip is secured, and thereby forms a solid and secure connection therebetween. 65

The clip hanger is secured to the angle bar 17 by engaging the hooked portion 14 over the upper edge thereof and snapping the arm beneath the under side, so that the curved end 13 engages the front edge of the
70 same, as clearly shown in Fig. 3. For this purpose, the arm 12 is made slightly resilient.

The channel bar 18 is then placed in position in the recessed portion 15, so that its
75 upper side snugly engages the under surface of the angle bar 17.

In Fig. 4, I have illustrated a slightly modified form of construction, in which two channel bars are supported, the hooked portion
80 19 at the top corresponding to the hooked portion 14 of the first construction, and the arm 20, corresponding to the arm 12, being of an equal size to accommodate the upper and lower flanges of the channel
85 bar.

It will be understood that by changing the proportions of these members, various shapes and sizes of bars may be supported
90 in a similar manner.

My improved device, it will be noted, will prove very advantageous, and will lend itself readily to the uses intended, and because of the simple and secure manner in which the same may be applied, will greatly
95 facilitate the work of erection. The shape shown in the figures is the shape in which the clip is manufactured, and this is in no way changed when the clip is applied to the supporting beams or bars from its pre-attachment shape or shape as manufactured,
100 hence it is entirely unnecessary to employ any tools whatsoever in applying my improved hanger or clip, resulting in a great saving of labor and time, and in the production of uniform and reliable connections between the beams and bars. From the drawings it will be seen that the metal is of such thickness as to produce a natural springiness therein, hence the same will not become per-
105 110

manently bent out of shape when forced into engagement with the beams or bars, but will assume its pre-attachment shape.

The arm 12 it will be noted, is off-set from the hook portion 14, and if a downwardly pulling force were exerted upon the clip, there would be a tendency for the clip to assume an inclined position. The recess for supporting the supported beam or bar is at the other side of the clip than the side upon which the arm 12 is located, and is arranged in a vertical line directly below the hook portion 14, so that the supported beam has a tendency to draw downwardly upon the clip. This downward action at one side acts against and compensates the action of the weight upon the arm 12, and in this way the supporting of the bar and the connection between the beam and bar is properly balanced.

I have illustrated and described preferred and satisfactory forms of my invention, but it is obvious that changes may be made therein, within the spirit and scope thereof, as defined in the appended claim.

I claim:—

The combination in steel framework construction with superimposed contacting beams or bars, of a metal hanger, comprising a perpendicular body portion having a re-

cessed portion at one side thereof and in the lower part thereof adapted to receive a beam or bar, a forwardly extending arm on the body portion at the other side than that having the recess, and having its upper face in line with the upper edge of the recess of the body portion, and adapted to receive a cross beam or bar contacting with the first beam or bar in the recess, and having an upturned portion at the forward end of said arm adapted to non-embracingly engage the forward edge only of the received cross beam or bar, and a downwardly extending hooked portion at the upper part of the body portion, in a vertical line with said recessed portion, and substantially spaced therefrom, adapted to engage the upper edge and a portion of the front surface of the cross beam or bar received on the forwardly extending arm, and adapted to prevent outward movement thereof, at right angles to said body portion.

In testimony that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

WILLIAM F. LA MORTE.

Witnesses:

F. Hogg,

JOHN SCHWARZ.