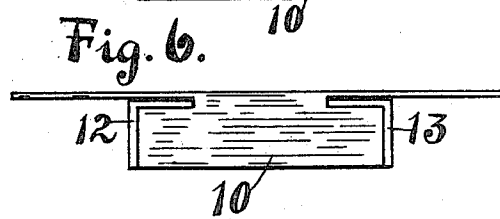


CLIP FOR METAL STUDDING.

987,858.

Fig. 1. and Fig. 2. are technical drawings of a mechanical device. Fig. 1. shows a vertical shaft (4) with a horizontal arm (6) at the top and a horizontal arm (2) at the bottom. Fig. 2. shows a vertical shaft (4) with a horizontal arm (2) at the top and a horizontal arm (2) at the bottom. A horizontal arm (5) is also shown in the middle of the shaft. The drawings are labeled with numbers 1, 2, 3, 4, 5, and 6.



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UNITED STATES PATENT OFFICE.

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CLIP FOR METAL STUDDING.

987,858.

Specification of Letters Patent.

Patented Mar. 28, 1911.

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To all whom it may concern:

Be it known that I, TIMOTHY COLLINS, a citizen of the United States, residing at Burlingame, in the county of San Mateo and State of California, have invented a new and useful Clip for Metal Studding, of which the following is a specification in such full and clear terms as will enable those skilled in the art to construct and use the same.

This invention relates to a clip for metal studding and its object is to secure two studding members together with the least work and very substantially.

Another object of the invention is to make a clip which will have a shoe for securing the studding to a floor or ceiling as may be desired.

Another object of the invention is to produce a clip which will be suitable for holding two studding members at a much greater distance from each other than is possible with the common form of flat clip.

A further object of the invention is to produce a rigid studding clip which will use less metal than the common form now in use.

In the drawings, in which the same numeral of reference is applied to the same portion throughout the several views, Figure 1 is a side elevation of a completed stud member showing two of the clips in place thereon, Fig. 2 is a front elevation of the same stud member showing both studs and the two clips, Fig. 3 is a top view of the same stud member the shoe member being shown on the floor instead of at the ceiling as in Fig. 1, Fig. 4 is a plan of the pattern used in cutting the clips, Fig. 5 is a plan of a pattern used for angle studding, and Fig. 6 is an end view of the clip shown in Fig. 5 after it has been bent into the form for use, two angles being inserted therein but not having the ends of the clip bent around them.

This clip is especially intended for securing two channel iron studding members together. It is made from a flat piece of metal cut in the manner shown in Fig. 4 and has a main portion 1 with an integral ear on each side thereof as shown at 2. Each of the ears is bent up into the form shown in Fig. 3 and each is provided with a hook which is adapted to pass over the edge of the channel iron. This hook 3 is short enough so that it is possible to push the channel iron under it edgewise turning the

same about 90 degrees into the position shown in Figs. 1, 2 and 3, after which the ends of the body piece are bent around the other edge of the channel iron, the two ears 2 then lying between the two channel iron members 4 and 5 and themselves forming with the body piece 1 a channel having the ends thereof in contact with the inner edges of each of the studding members. An advantage of this construction is that there is less metal than is commonly used in such clips and the rigidity is greater for the reason that the metal is better disposed than when in one flat plate, and the clip may be made longer for the reason that the connecting part is a channel thus disposing the metal in such shape as to permit the widening of the distance between two studs much more than is usually possible where a flat connecting clip is used. The reason it is possible to extend the distance between the stud members is on account of the fact that the metal between the two stud members is turned up in the form of a channel instead of being flat, as with the form of clips now in use.

The clips are placed on the stud members as close together as may be deemed expedient to hold them firmly, the end clip having one of its transversely bent portions long enough to form a shoe 6, said shoe being used at top and bottom of the studding members to attach them to the floor and ceiling respectively, a nail being driven into the floor or ceiling through the shoe.

When desired the clip may be modified for use with angles instead of channels as shown in Figs. 5 and 6. The pattern of the flat clip is shown in Fig. 5. It consists of a body portion 9 and two side wings 10 said wings being bent in the finished clip into parallel planes at right angles with the body portion. At the end of each wing 10 there is a slot 11 cut which is the same depth as the width of the angle which is placed in the slot as shown in Fig. 6, the two angles 12 and 13 being then secured to the clip by bending the ends of the body portion of the clip around on the outer limb of the angle the same as is shown in Fig. 3. This clip forms a channel between the two studding members the same as the one previously described and when secured thereto forms a very rigid structure.

Having thus described my invention what I claim as new and desire to secure by Let-

ters Patent of the United States is as follows:

1. A clip for securing metal studding together comprising a body member the ends of which are adapted to be bent around studding members, and two side members lying in planes substantially at right angles with the body member each having slots into which a studding member is adapted to be placed, substantially as described.

2. A clip for securing metal studding together comprising a body member the ends of which are adapted to be bent around studding members, and two side members lying in planes substantially at right angles to the body member each side member having a hook to secure a studding member thereto, substantially as described.

3. A clip for securing metal studding together comprising a body member and two side members one of which is extended from the body member farther than the other, said side members lying in a plane substantially at right angles with the body member and each being provided with a hook which is adapted to secure a metal studding thereto, substantially as described.

In testimony whereof I have hereunto set my hand this 20th day of July A. D. 1909, in the presence of the two subscribed witnesses.

TIMOTHY COLLINS.

Witnesses:

R. C. GRIFFIN,

C. P. GRIFFIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."