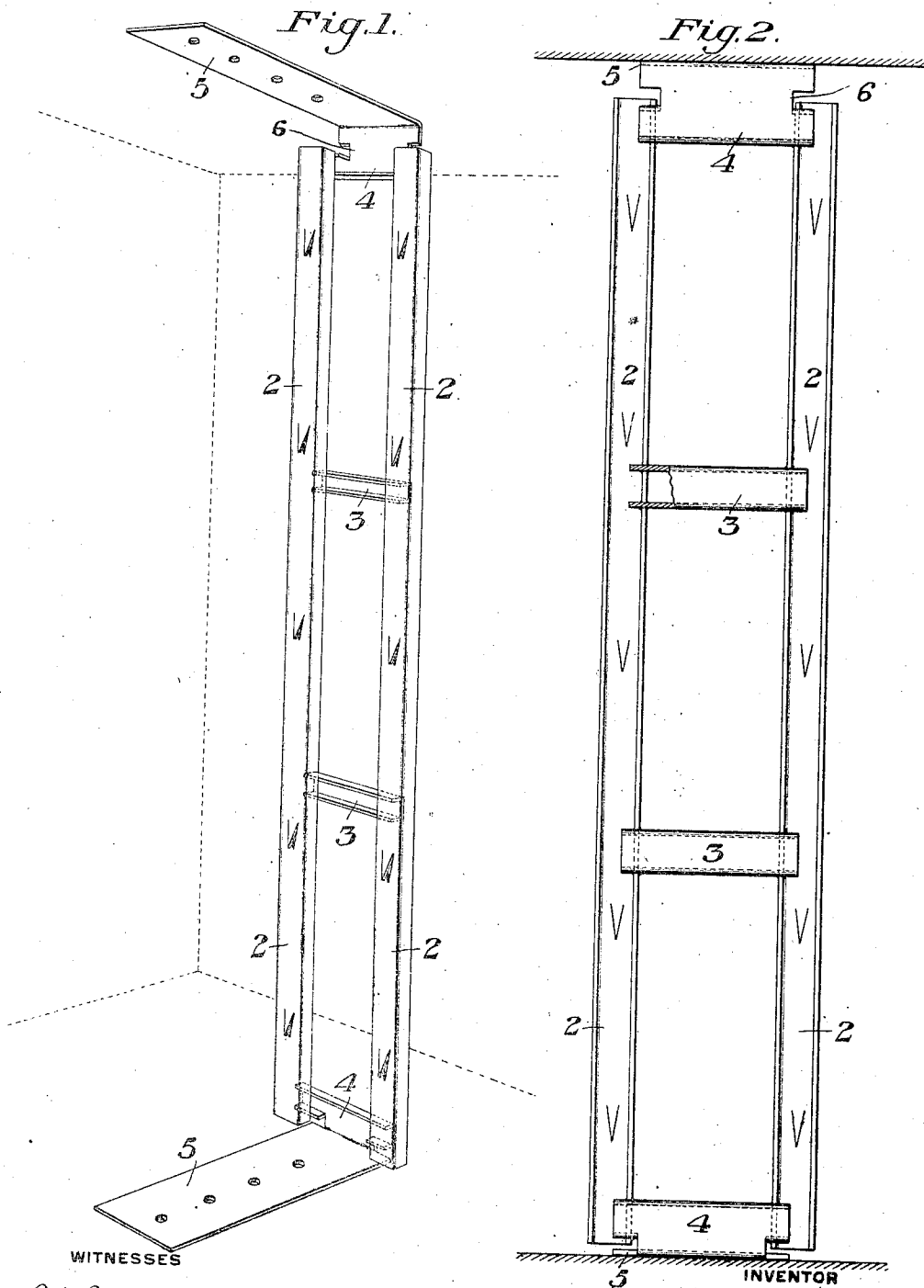


H. E. WHITE.
METAL STUDDING.
APPLICATION FILED FEB. 25, 1909.

955,111.

Patented Apr. 12, 1910.



R. H. Balderson.
Walter Farnsworth

H. E. White.
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UNITED STATES PATENT OFFICE.

HERBERT E. WHITE, OF YOUNGSTOWN, OHIO, ASSIGNOR TO THE GENERAL FIRE-
PROOFING COMPANY, OF YOUNGSTOWN, OHIO, A CORPORATION OF OHIO.

METAL STUDDING.

955,111.

Specification of Letters Patent.

Patented Apr. 12, 1910.

Application filed February 25, 1909. Serial No. 479,945.

To all whom it may concern:

Be it known that I, HERBERT E. WHITE, of Youngstown, in the county of Mahoning and State of Ohio, have invented a new and useful Improvement in Metal Studding, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view showing my improved studding in position; and Fig. 2 is a rear elevation of the same.

My invention relates to metal studding, employed in place of wooden studding, and to which the metal lath is to be secured, especially in fireproof building construction.

The object of the invention is to provide a studding which may be made at the factory and which will adapt itself to variations in the distance from the floor to the ceiling and will give a strong and secure construction for attachment of the lath.

In the drawings, 2, 2, represent pressed channel side members which are secured together by cross members 3, which are preferably formed of similar channels forced against and welded to the vertical members 2. These transverse connecting members may be spaced any desirable distance apart and may be of any desirable number and shape.

At each end of the members 2, 2, I weld to them a transverse member 4, having a plate extension 5, which is preferably provided with a series of holes. The members 4 are preferably of pressed channel form and are electrically welded to the vertical members 2, and the extension 5, being of rolled metal, may be bent at any suitable point depending on the height of the room. The plate member 5 may be connected with the member 4 by a tongue or connecting strip 6, this forming the central portion of the lip or flange at that side of the channel. Other forms of connection may be provided for the end plate members, as the main feature of my invention lies in this plate member, which may be bent at different points in its length to accommodate the variation in the height of the room.

The advantages of my invention will be apparent to those skilled in the art. The studding may be made at the factory and consequently may be turned out at comparatively low cost in large quantities. It is secured in place by bending the plate members at suitable points to fit the ceiling and floor members and is secured thereto in any suitable manner, as by nails or members extending through the holes therein. It affords a strong and secure construction to which the metal lath may be secured by wiring, by clips, or by any other desirable means.

It will be noted that the welded connections between the members of the studding are made between portions thereof of relatively limited, and of substantially equal, sectional area. This feature makes the welded connections practicable, since the contacting portions of both members can be brought to a welding temperature in substantially the same length of time.

Changes may be made in the form and arrangement of the members and the manner of securing them together, without departing from my invention.

I claim:

1. As a new article of manufacture, a metal studding comprising separated side members, and cross-members welded to and connecting the side members at intervals, said side members having flanges at their inner edges, and the cross-members being shorter than the distance between the outer edges of the side members and welded to said flanges; substantially as described.

2. As a new article of manufacture, a metal studding, comprising separated side members of channel form, and cross-members also of channel form, the side and cross-members being placed with their flanges in contact, and having their contacting portions welded together; substantially as described.

In testimony whereof, I have hereunto set my hand.

HERBERT E. WHITE.

Witnesses:

G. D. MARGERUM,
O. D. KAIBER.