

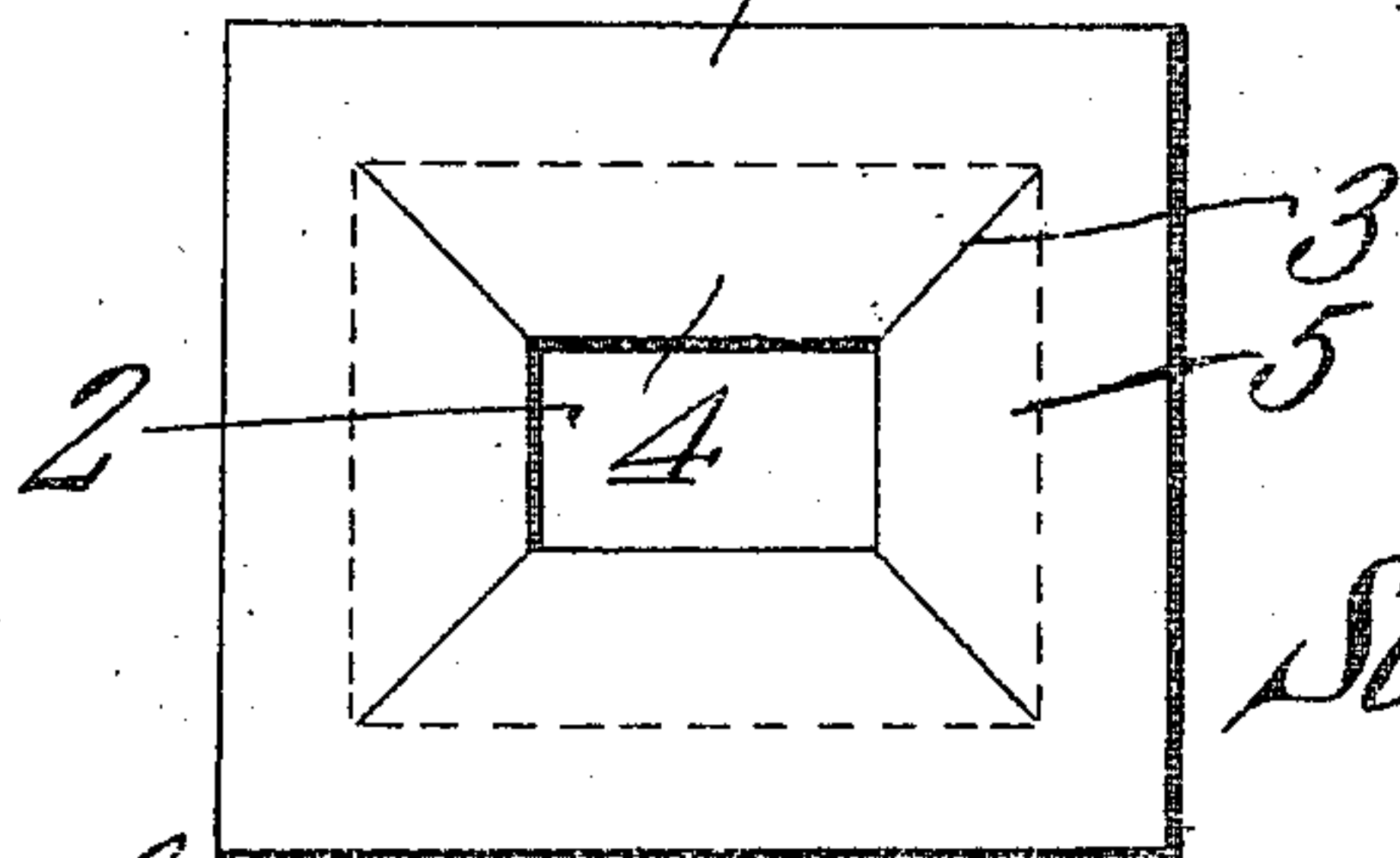
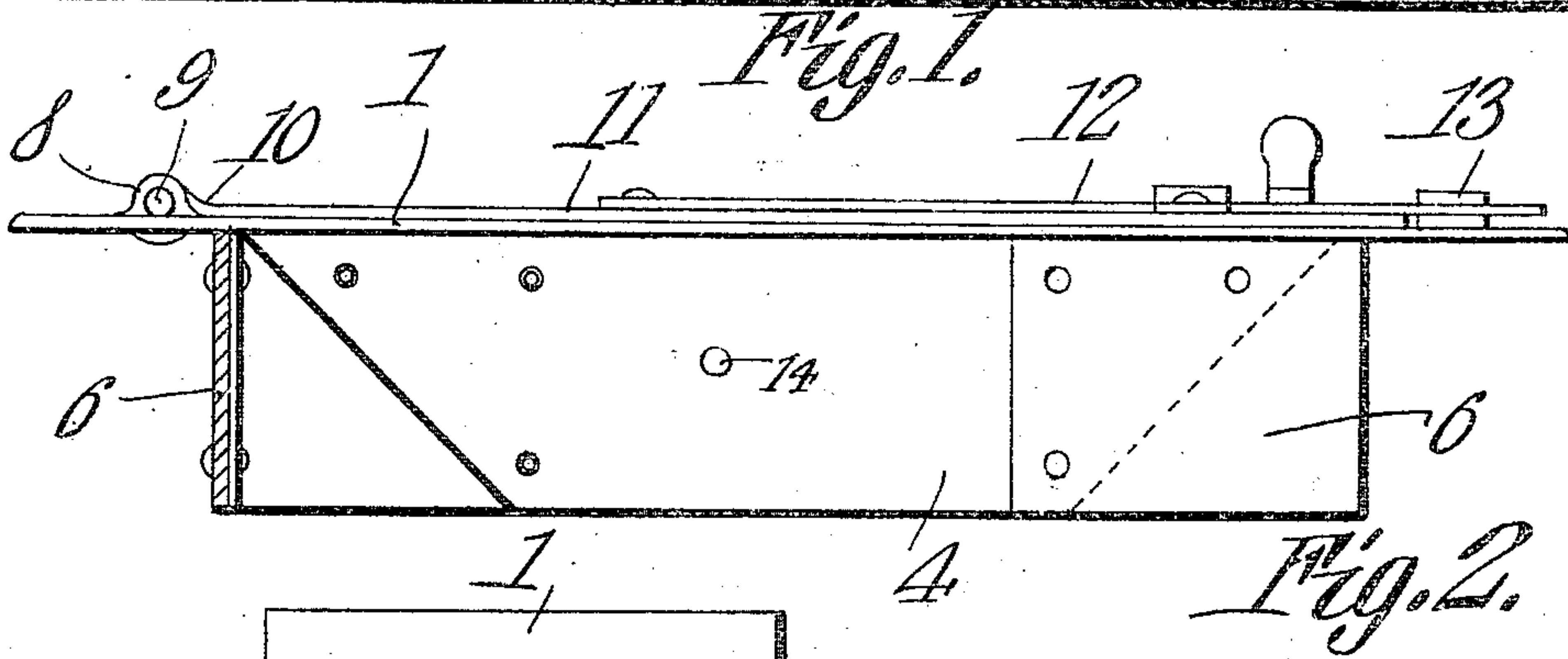
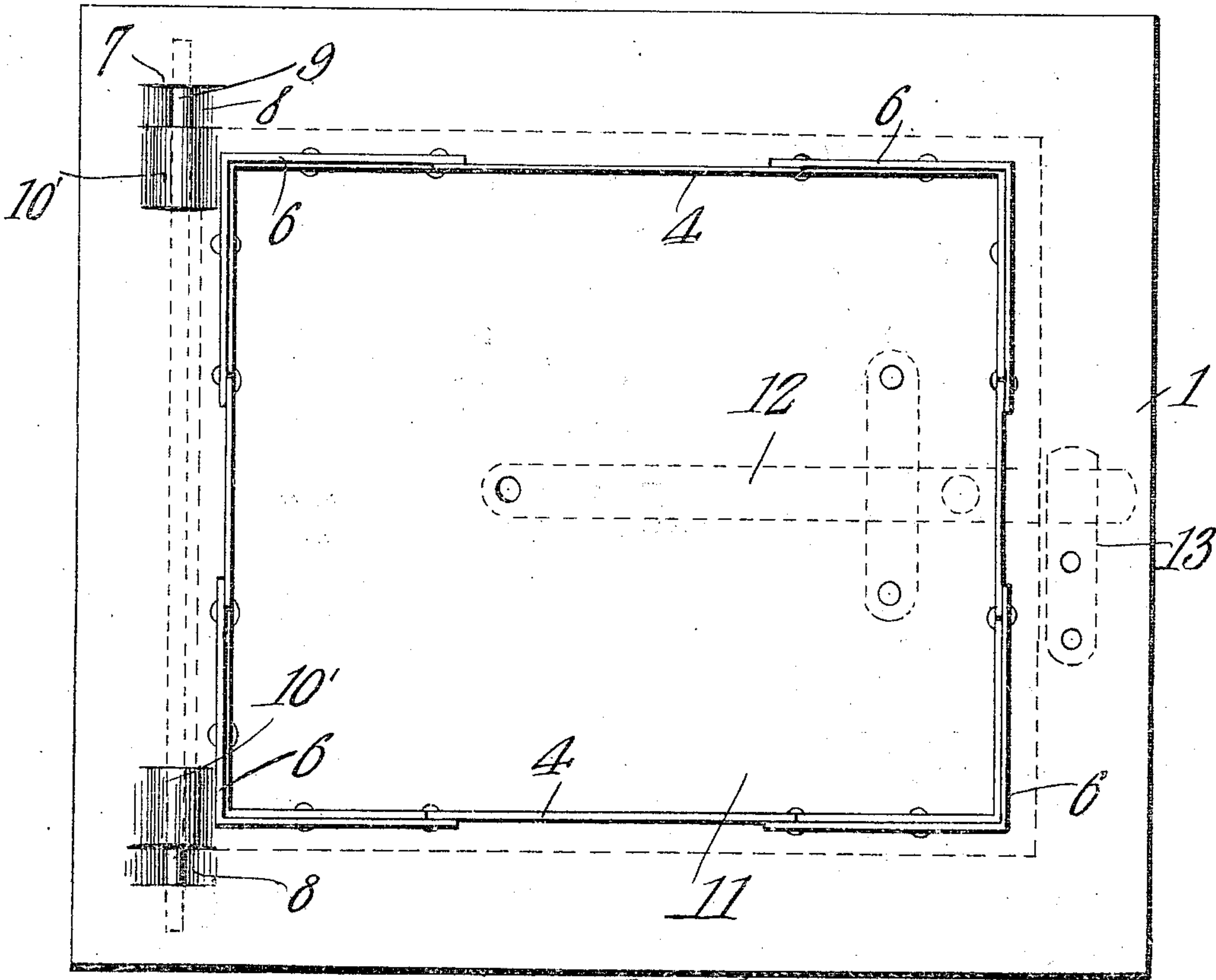
S. F. MYERS.

METAL DOOR.

APPLICATION FILED JULY 13, 1909.

959,782.

Patented May 31, 1910.



Witnesses

*Charles H. Brown*  
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Fig. 3.

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# UNITED STATES PATENT OFFICE.

SAMUEL F. MYERS, OF LOS ANGELES, CALIFORNIA.

METAL DOOR.

959,782.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed July 13, 1909. Serial No. 507,391.

*To all whom it may concern:*

Be it known that I, SAMUEL F. MYERS, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Metal Door, of which the following is a specification.

This invention relates to metal doors of that type designed to be mounted within chimneys, one of the objects of the invention being to provide a frame which can be readily stamped from sheet steel, and having means whereby it can be firmly anchored within a masonry chimney.

Another object is to provide a frame of this type which is cheap to manufacture, durable, and to which a door can be conveniently attached without the necessity of riveting hinges or other connecting devices to the frame.

With these and other objects in view the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claims.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—Figure 1 is an elevation of a frame embodying the present improvements, a door being shown mounted thereon, the frame and door being viewed from the inside. Fig. 2 is a plan view of the structure shown in Fig. 1. Fig. 3 is a view, on a reduced scale, of the blank from which the frame is formed.

Referring to the figures by characters of reference 1 designates a rectangular sheet of steel or other suitable metal, the same having a rectangular opening 2 cut therein at the center, there being diametrical incisions 3, cut into the sheet from the corners of the opening 2 so as to produce flaps 4 designed to be bent along the dotted lines indicated at 5 in Fig. 3, so as to extend perpendicularly to the plate 1. After these flaps or wings 4 have been bent in the manner indicated the end portions of the adjoining wings are secured in fixed relation by means of L-shaped corner irons 6, which are riveted or otherwise secured thereto, and serve to close the spaces between the outstanding

wings. Parallel incisions are cut into the plate 1 near opposite edges thereof and adjacent one side of the said plate, the metal between these incisions being pressed outwardly to form eyes 8 for the reception of a pintle 9 extending through the hinge lugs 10 of a door 11. Recesses or depressions 10' may be stamped into the outer face of the plate 1 at points close to the eyes 8, these depressions being designed to receive the hinge lugs 10, and thus permit the door to swing without hindrance. It is of course to be understood that the door may be provided with any suitable locking device, such as indicated at 12, said device being designed to engage a keeper 13, riveted or otherwise fastened to the outer face of the plate 1. As shown in Fig. 2, an opening 14 may be formed in the center of one or more of the wings 4, this opening being designed to receive any suitable anchoring device (not shown).

In using the device herein described the wings 4 and corner irons 6 are designed to project into the masonry constituting the wall of the chimney, and will be firmly held thereby, the plate 1 of course resting against the outer face of the wall. It will be seen that the entire device is very simple in construction, is cheap to manufacture, and constitutes an efficient means for supporting a door of the character described.

Various changes can be made in the construction and arrangement of the parts without departing from the spirit or sacrificing the advantages of the invention.

What is claimed is:—

1. A door frame consisting of a sheet metal plate having integral wings extending perpendicularly therefrom along lines removed from the outer edges of the plate, and corner irons connecting the ends of adjoining wings.

2. A door frame including a sheet metal plate having diametrical incisions therein forming wings therebetween, said wings being extended perpendicularly to the plate and angular corner irons secured upon the adjoining ends of the wings.

3. A door frame including a sheet metal plate having diametrical incisions forming

wings therebetween, said wings being extended at right angles to the plate, corner irons fixedly secured upon the end portions of the wings, and closing the spaces there-  
5 between, and pintle-receiving eyes struck from the plate, there being recesses within said plate and adjacent the eyes.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

SAMUEL F. MYERS.

Witnesses:

MAUD MYERS,

MARIE BISHOP.