

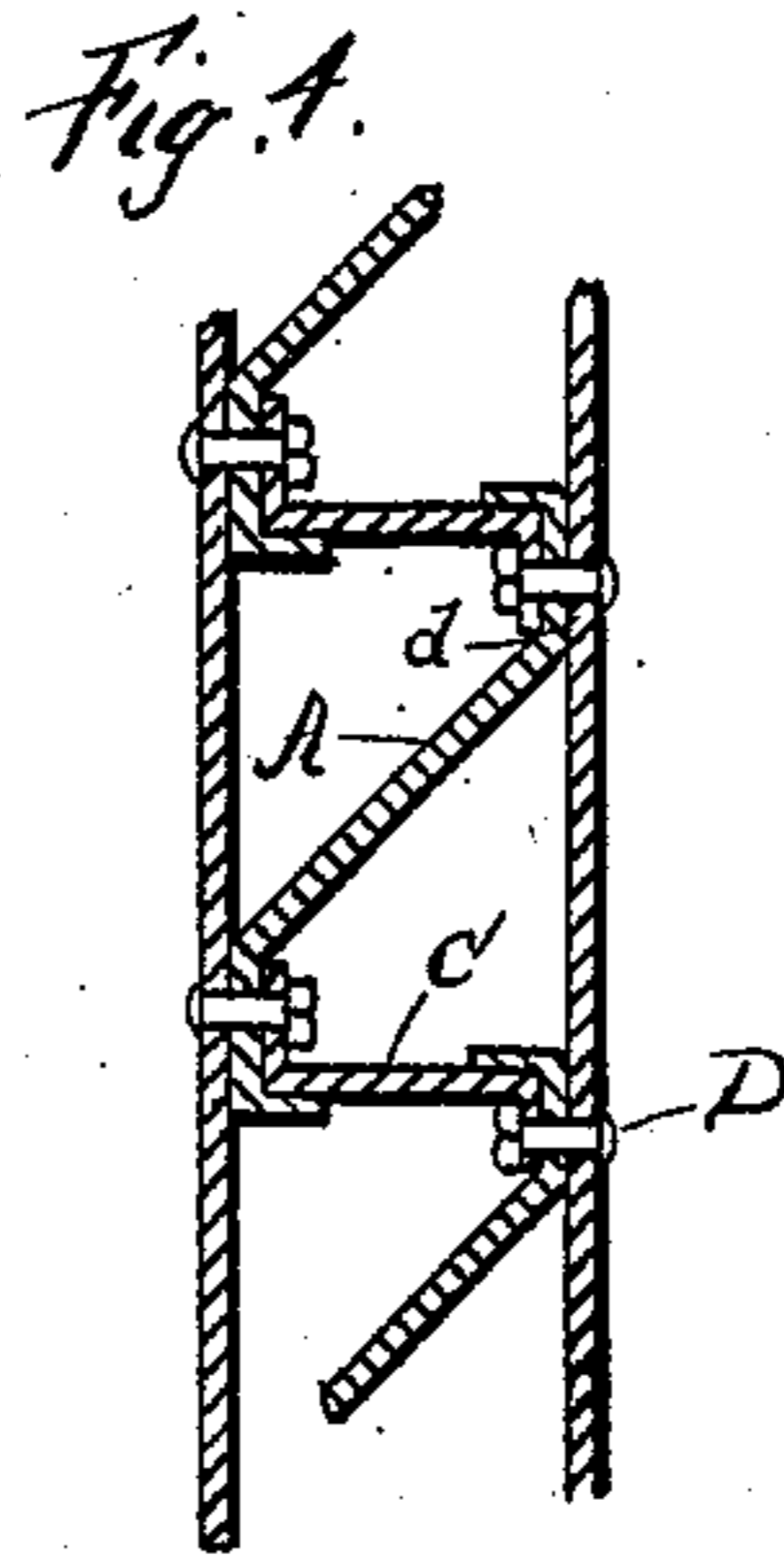
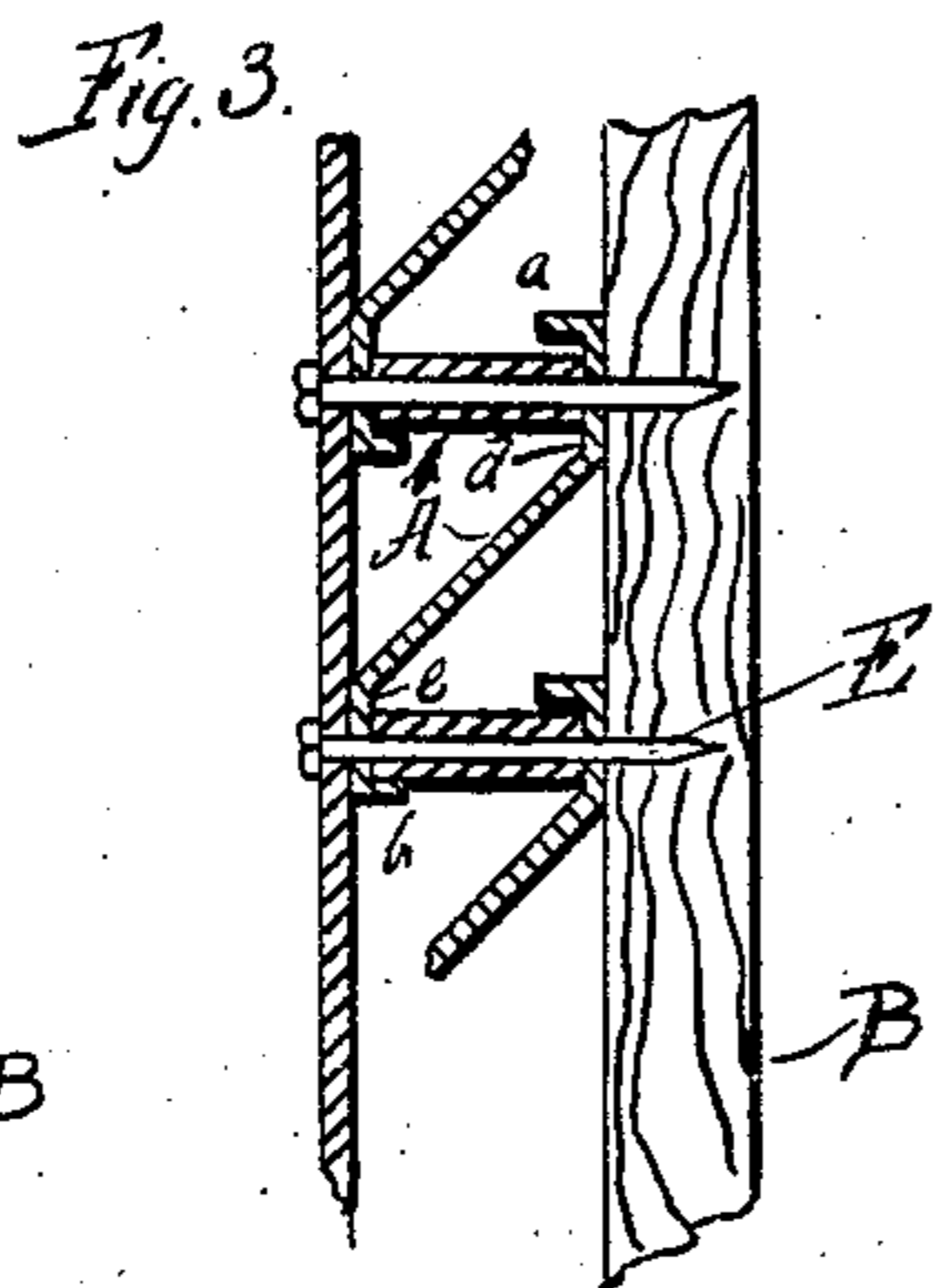
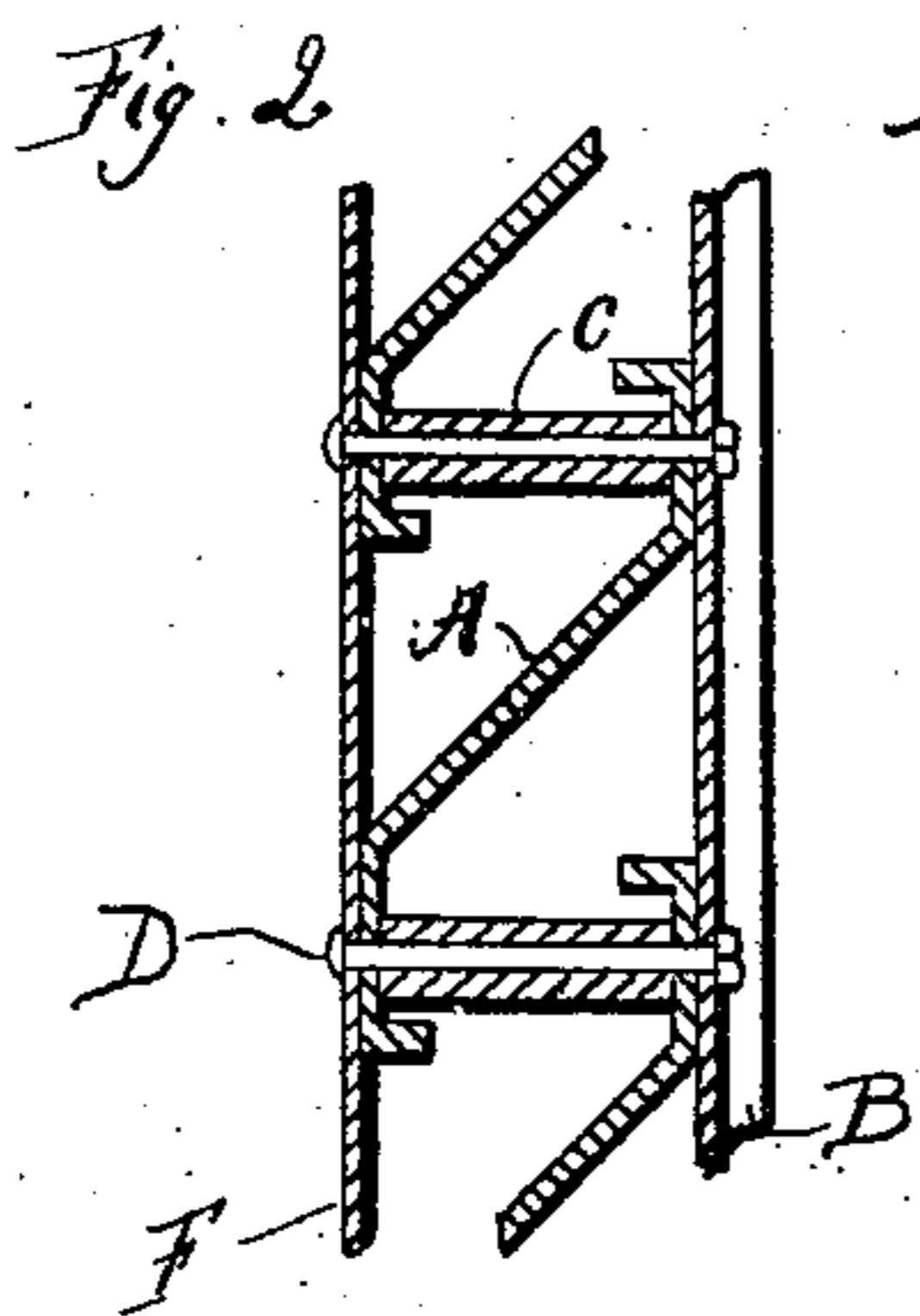
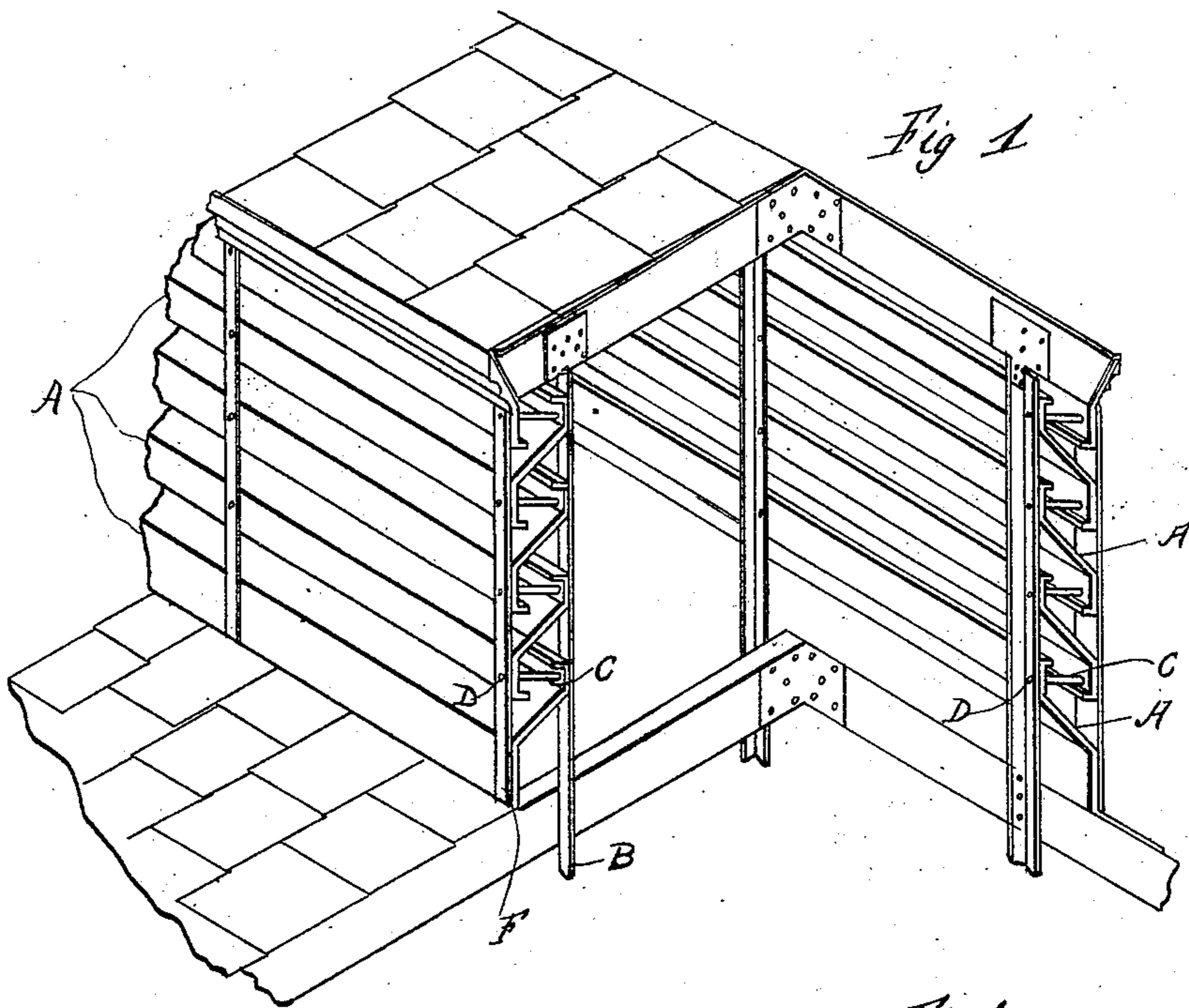
No. 856,117.

PATENTED JUNE 4, 1907.

H. W. WALDMIRE.

LOUVER.

APPLICATION FILED JUNE 4, 1906.



WITNESSES:

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HARRY W. WALDMIRE, OF PHILADELPHIA, PENNSYLVANIA.

LOUVER.

No. 856,117.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed June 4, 1906. Serial No. 320,001.

To all whom it may concern:

Be it known that I, HARRY W. WALDMIRE, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a certain new and useful Improvement in Louvers, of which the following is a specification.

My invention relates to a new and useful improvement in louvers, and has for its object to construct the same entirely of metal and in such manner as to greatly facilitate their application to buildings, and also to prevent the driving of rain or snow into the building while permitting the free passage of air for ventilating purposes.

With these ends in view, my invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a perspective of a portion of a building showing my improved louvers applied thereto. Fig. 2, a detail view showing the construction of the louvers and the manner of applying them to a metal frame. Fig. 3, a similar view showing the louvers applied to a wooden frame, and Fig. 4, a similar view showing a slightly modified form of stay post in which short bolts are utilized for securing the louvers in place.

In carrying out my invention as here embodied, A represents the louvers which are made of strips of metal so formed as to provide an angular body section and a top flange *a* and a bottom flange *b*. These flanges serve to strengthen the strip and also serve to prevent the driving of snow or rain into the building through the space between the louvers.

Each of the strips has formed therewith the vertical sections *d* and *e*, the former being intended to fit against the angle irons or uprights B forming the framework of the building, and C represents stay posts which are interposed between the vertical section *d* and *e* to hold the louvers in their proper positions, and in the construction shown in Fig. 2 a threaded bolt D is passed through the vertical sections of the louvers and the hollow post C, a nut being run upon the inner end of

the bolt, thus securely holding the parts in place.

In Fig. 3 I have illustrated the use of the spike E in place of the bolt D in order that the louvers may be properly attached to a wooden frame work as will be readily understood.

In Fig. 4 the stay post C' is formed of a strip of metal having its two ends bent at right angles to the body through which the short bolts D' are passed and secured in place by suitable nuts, and this construction has some advantages over the hollow stay post in that the bottom louver can be secured in position without having to place the one next above until after the first has been so secured, and so on up until the entire series has been placed.

The louvers may be tied together by means of the tie strip F through which the bolts or spikes are passed, thus materially strengthening the whole series.

The flanges *a* will serve to prevent the driving of rain or snow through the louvers, said flanges acting as threads or baffle plates, and the flanges *b* will also assist in effecting this result in that they serve to form a circuitous passage between the louvers.

Having thus fully described my invention, what I claim as new and useful, is—

1. The combination of a series of louvers formed of strips of metal, each having an angular body, two vertical sections and flanges projecting inward from said sections, and a series of stay posts through which the securing bolts are passed, as specified.

2. As a new article of manufacture, a louver formed from a single strip of metal, so bent as to provide an angular body, two vertical sections, and a flange projecting from each section, as specified.

3. The herein described combination of a series of louvers, each made of sheet metal, a series of stay posts interposed between each louver, bolts connecting the louvers and adapted to secure the same to the building, and a tie strip connecting the outer edges of the louvers, as specified.

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses:

HARRY W. WALDMIRE.

Witnesses:

S. M. GALLAGHER,
E. N. SCHOFIELD.