

(No Model.)

J. M. LAIRD.  
SNOW IRON FOR ROOFS.

No. 473,512.

Patented Apr. 26, 1892.

Fig. 1.

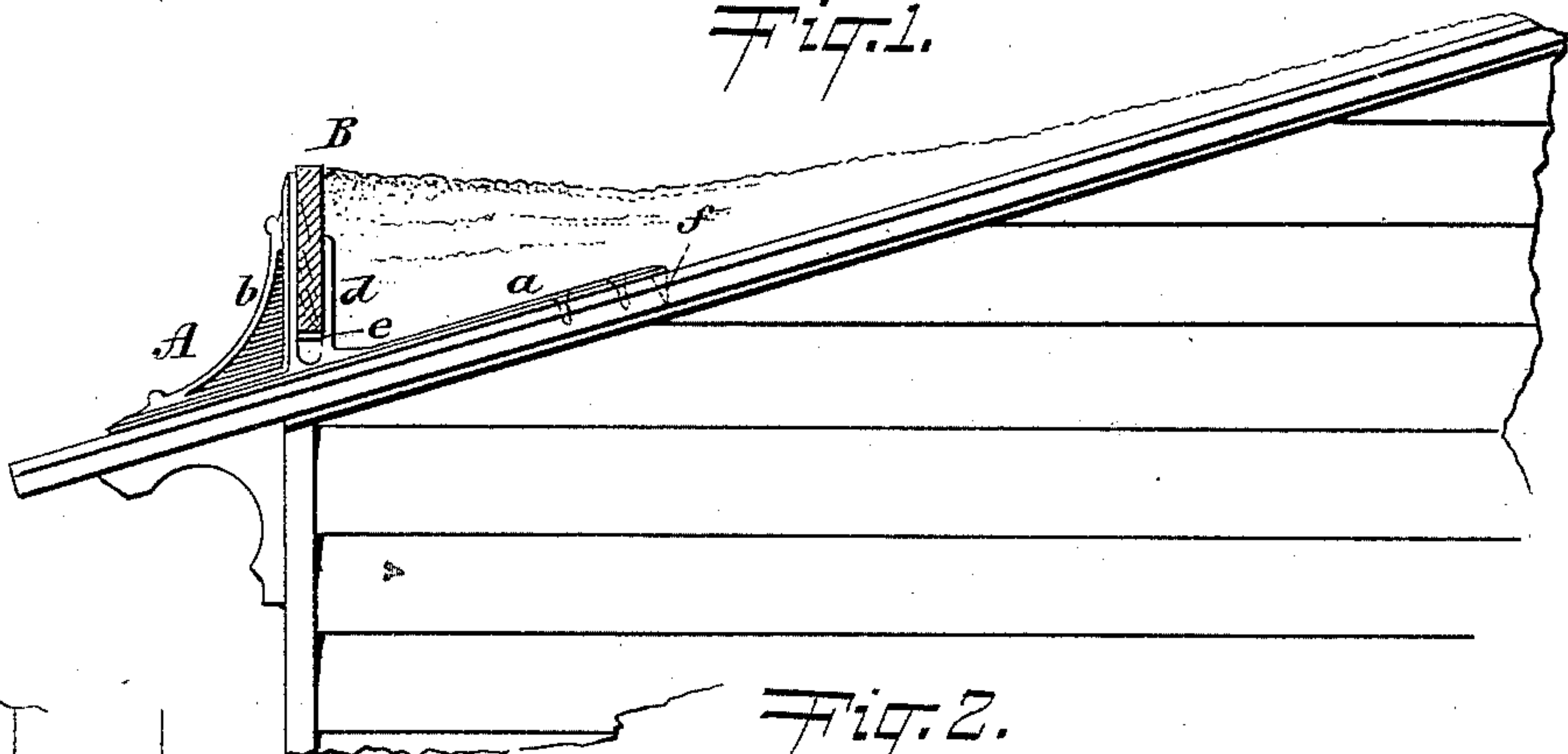


Fig. 2.

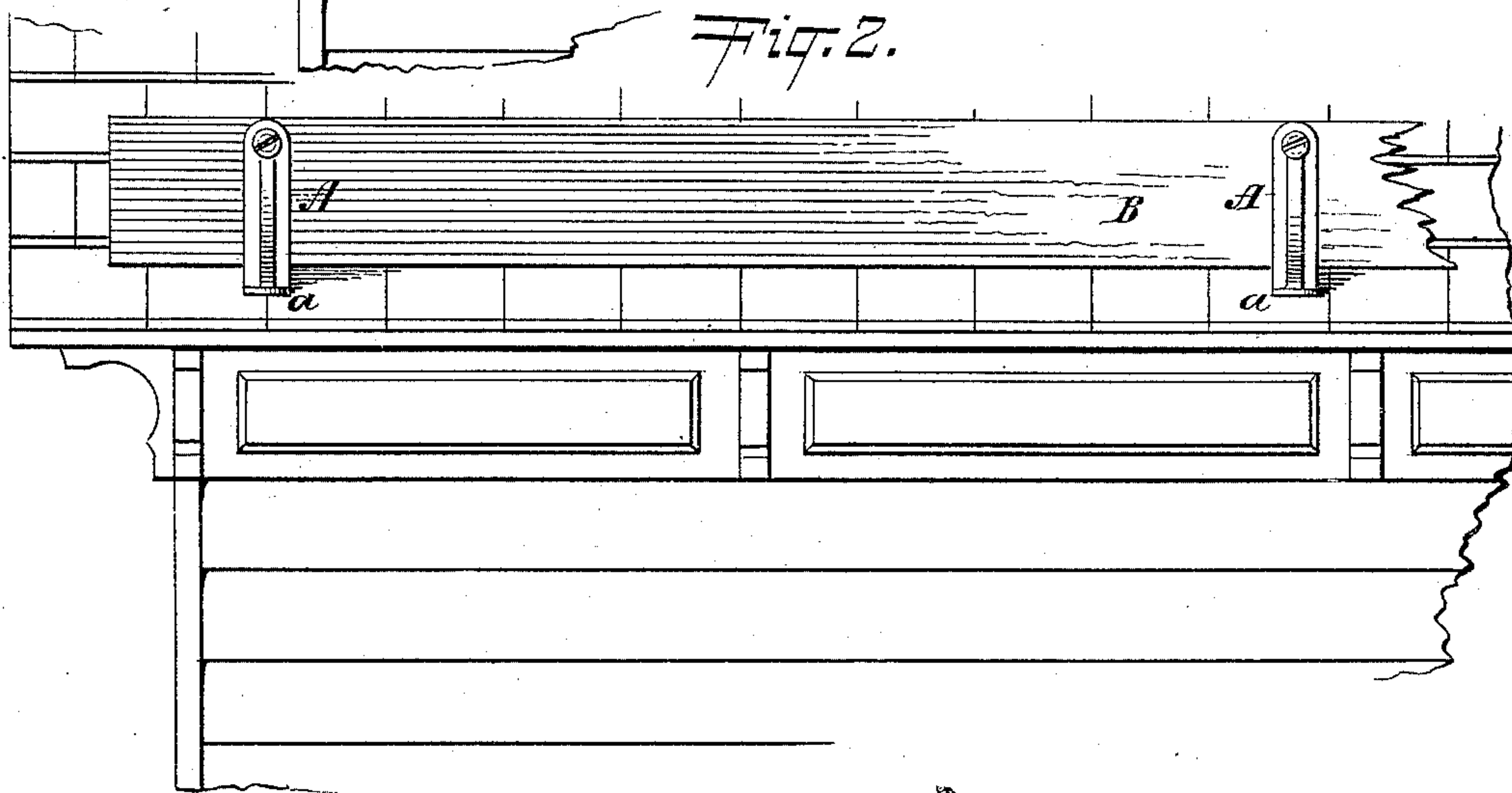


Fig. 3.

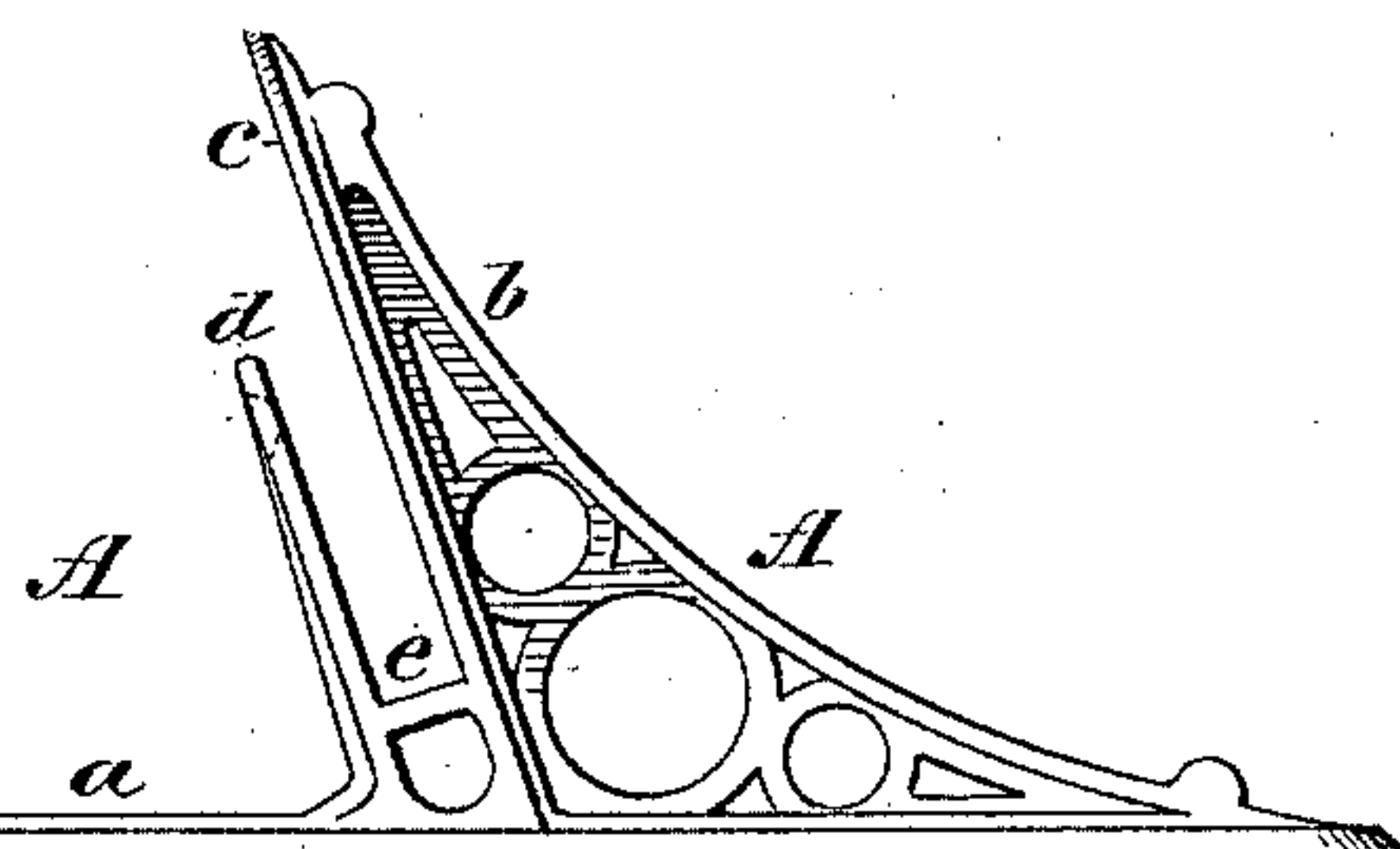
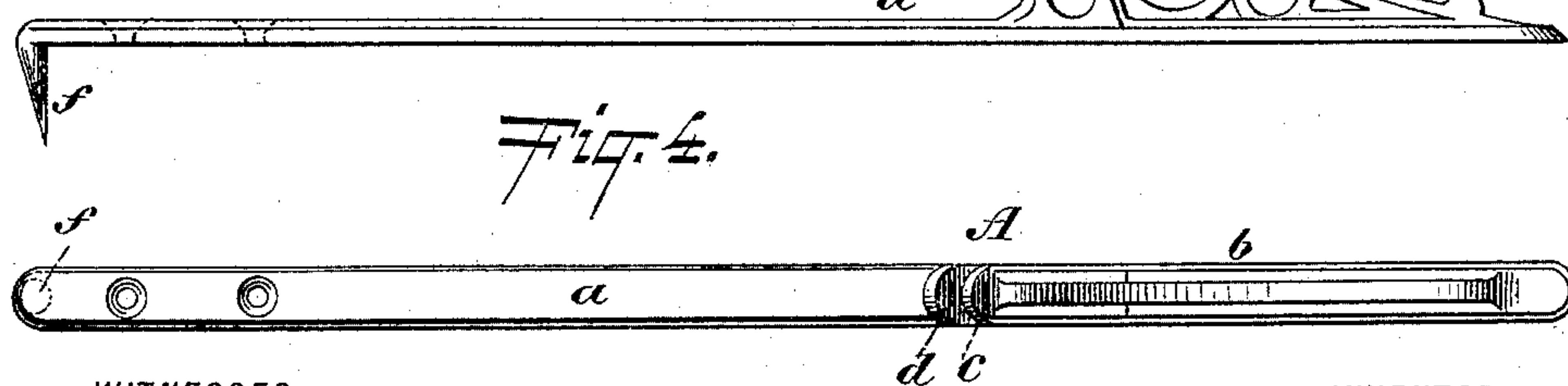


Fig. 4.



WITNESSES:

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INVENTOR

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# UNITED STATES PATENT OFFICE.

JOHN M. LAIRD, OF HUNTINGDON, PENNSYLVANIA.

## SNOW-IRON FOR ROOFS.

SPECIFICATION forming part of Letters Patent No. 473,512, dated April 26, 1892.

Application filed November 10, 1891. Serial No. 411,447. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN M. LAIRD, a resident of Huntingdon, Huntingdon county, and State of Pennsylvania, have invented a new and Improved Snow-Iron for Roofs, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side view of a portion of a roof having my improved snow-iron. Fig. 2 is a front view of the same. Fig. 3 is a detail side view of the snow-iron, and Fig. 4 a top view thereof.

This invention relates to a new construction of bracket for securing boards to roofs of houses in order to cause the boards to support snow on the said roofs and to nevertheless permit the snow on the roofs to gradually melt and flow off.

The invention consists of the structure hereinafter more fully described.

In the accompanying drawings, the letter A represents my improved snow-iron. The same is composed of a lower main straight bar *a*, from one end of which projects upwardly a bracket-like extension *b*, whose inner edge *c* is by preference slightly inclined to the bar *a*, as shown in Fig. 3. Behind this bracket-like projection *b* there is an inner upright projection or arm *d*, which extends upward from the bar *a* and is parallel to the edge *c*. Between the projection *d* and the bracket *b* is sufficient space for the reception of a board B, (see Fig. 1,) which board is prevented from reaching down as far as the bar *a* by a web or connection *e* between the parts *b* and *d*, as clearly shown in Fig. 3. The parts which are described as projecting upward, or being above the bar *a*, are at what I would term the

“front” end of the bar *a*. At the rear end of this bar there is a downwardly-projecting hook *f*. Suitable numbers of screw-holes are or may also be formed in the bar *a*.

In use I place a proper number of these irons A on a roof, aligning them, so that they may all serve to support the board B along one edge of the roof. Each iron A is securely fastened in place by driving its hook *f* firmly into the roof, and by the aid of such additional screws or fasteners as may be found needful, the board B, resting on the webs *e*, is held at a distance from the roof, so that water resulting from the melting of the snow and rain-water may freely escape; but the body of the snow will be banked up against the inner face of the board B, as is clearly represented in Fig. 1.

What I claim, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, the snow-board iron A, having upwardly-projecting bracket *b* and upwardly-projecting arm *d* and between the same the elevated board-support or web *e*, substantially as and for the purposes herein shown and described.

2. As a new article of manufacture, the snow-board iron A, having upwardly-projecting bracket *b* and upwardly-projecting arm *d* and between the same the elevated board-support or web *e*, and provided with a downwardly-projecting hook *f*, all substantially as and for the purposes herein shown and described.

JOHN M. LAIRD.

Witnesses:

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B. F. FINK.