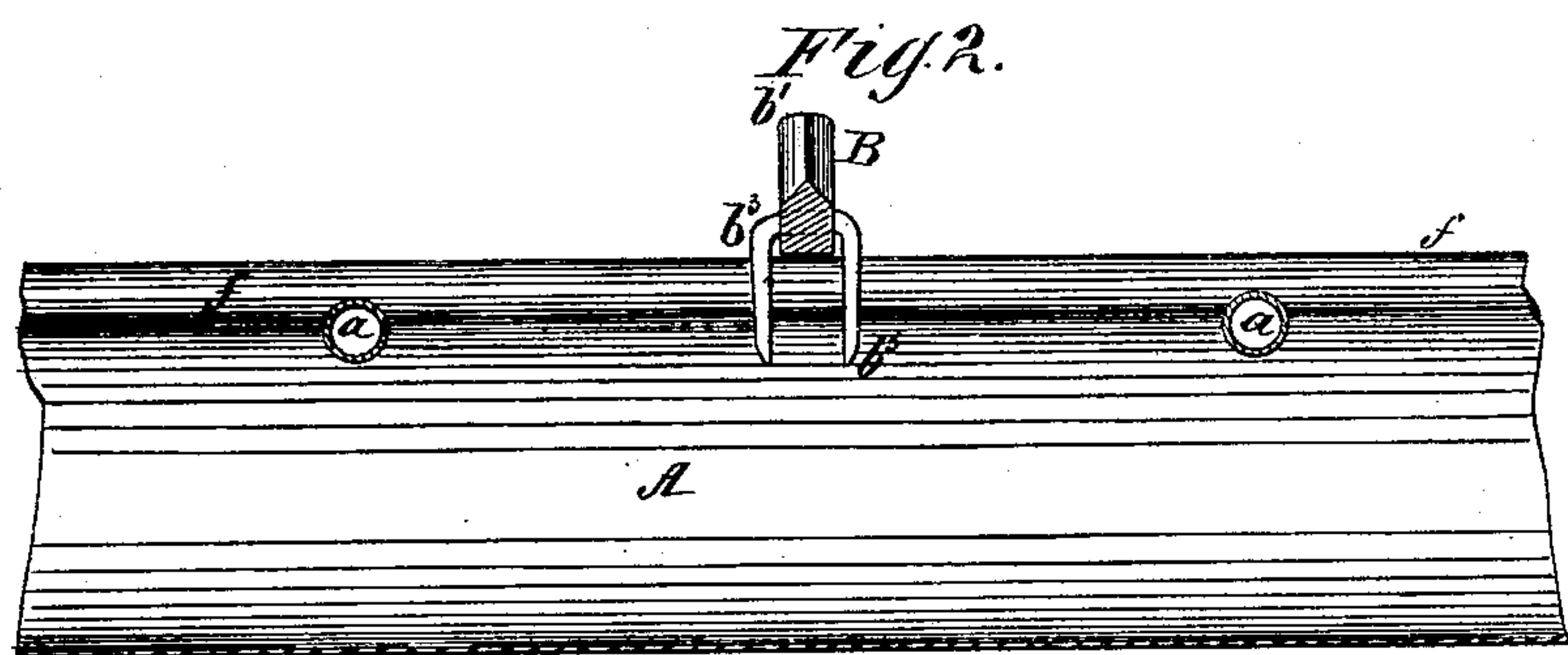
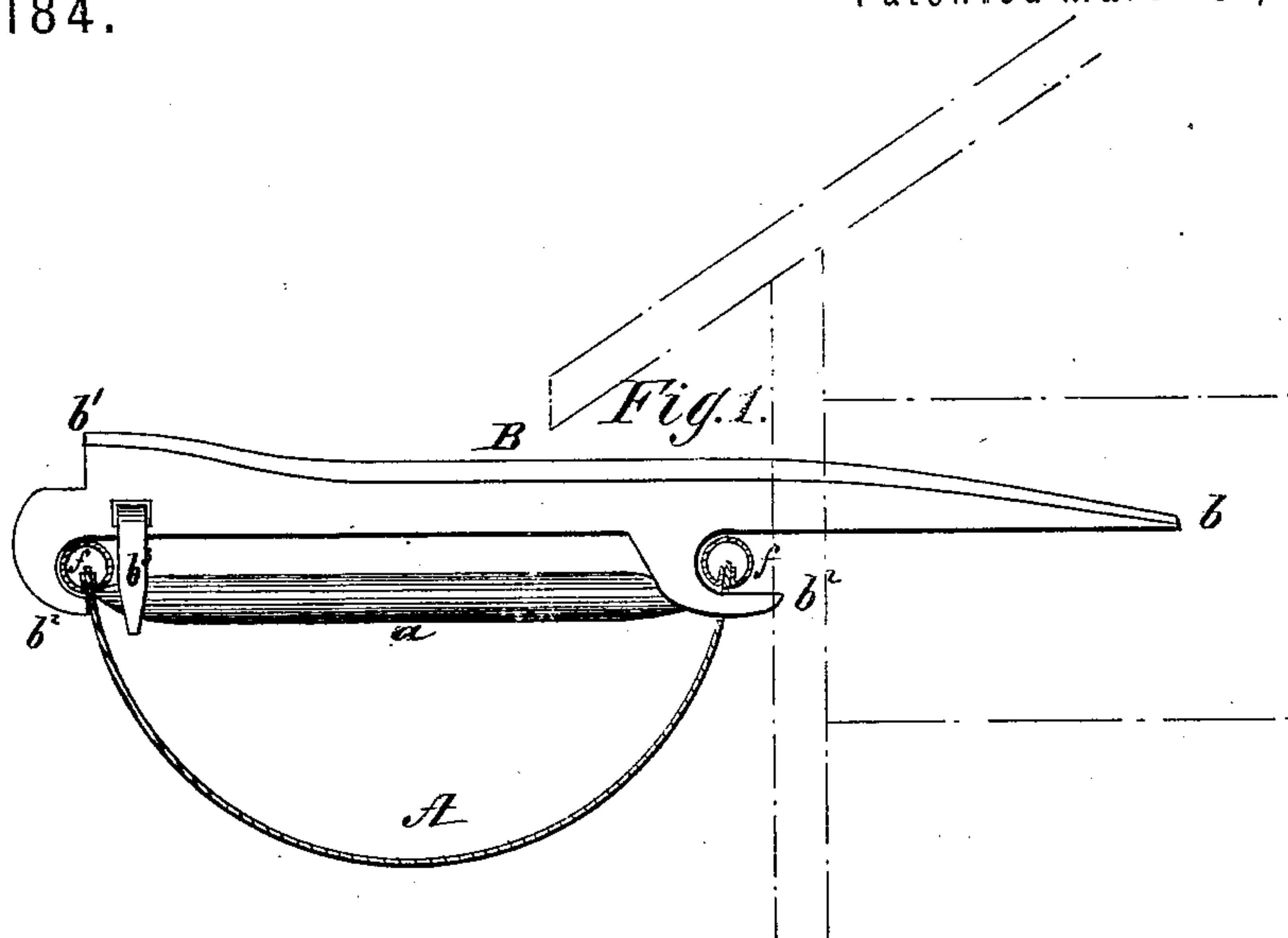


W. H. BERGER & G. W. ASKIN.

Eaves-Trough Hangers.

No. 149,184.

Patented March 31, 1874.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM H. BERGER AND GEORGE W. ASKIN, OF DANVILLE, PA.

IMPROVEMENT IN EAVES-TROUGH HANGERS.

Specification forming part of Letters Patent No. **149,184**, dated March 31, 1874; application filed March 6, 1874.

To all whom it may concern:

Be it known that we, WILLIAM H. BERGER and GEORGE W. ASKIN, of Danville, in the county of Montour and State of Pennsylvania, have invented a new and Improved Eaves-Trough Fastening; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a cross-section of eaves-trough and a side elevation of hanger-spike. Fig. 2 is a longitudinal section of trough and cross-section of hanger.

The invention relates to eaves-trough hangers, or to means whereby the trough is securely, cheaply, and conveniently attached to the house. The invention will first be fully described, and then pointed out in the claim.

A represents an eaves-trough, braced by the usual cross-pieces *a*. B is a spike having the sharp point *b* to be driven into the house, and the elevated point *b*¹ at the rear, from which the upper edge of spike slopes toward the front to throw off the liquid that follows the line of its length. The spike is provided on one side with hook-shaped projections *b*² *b*², which hook over and under the ribs *f*, and serve thereby to hold the trough to the fastenings. The inner projection *b*², resting at its point against the building, serves also the pur-

pose of a brace. To prevent casual detachment of the eaves-trough, we put a piece of soft, pliable metal, *b*³, through a hole in the spike, and then bend it down against the rib on the inside thereof. The top surface of the spike, being smooth and without a projection, allows ice which is formed upon the roof in sheets, to slide off without coming in contact with the trough, thereby avoiding the liability of the trough being torn down by the ice.

We are well aware that a cross-bar fastened in a similar way to the eaves-trough is old; but that is suspended at or near the middle by a vertical bar, which makes the fastening insecure, besides being more cumbersome, and more expensive.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A spike, B, having the sharp projecting point *b*, the hook-shaped projections *b*² *b*², and the gradual decline from the rear point *b*¹ toward the front or point, the same being adapted to be fastened across an eaves-trough and to the house, in the manner described.

WILLIAM H. BERGER.
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Witnesses:

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