

A. E. GOULD.
METALLIC WEATHER STRIP.
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956,702.

Patented May 3, 1910.

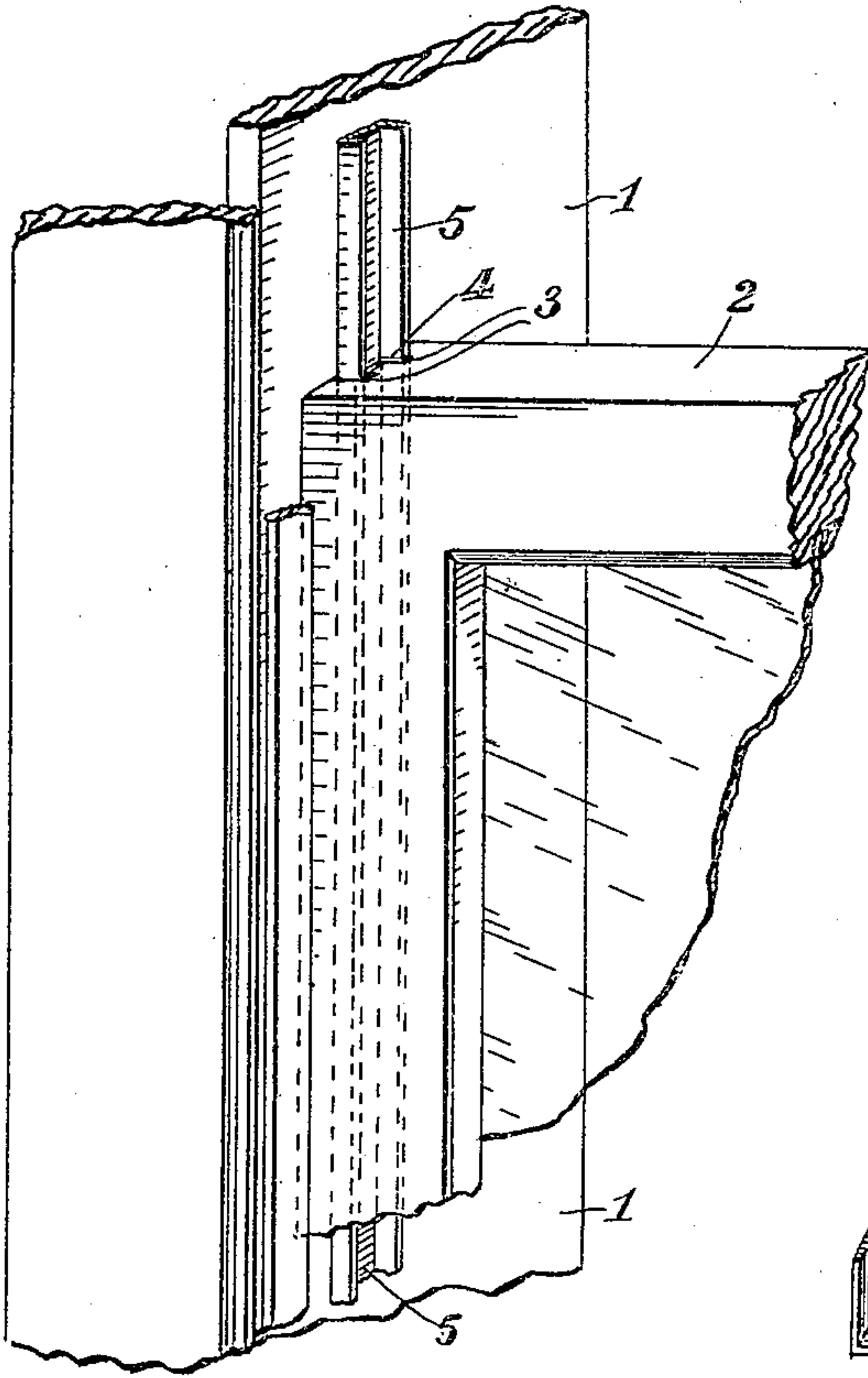


Fig. 1.



Fig. 6.

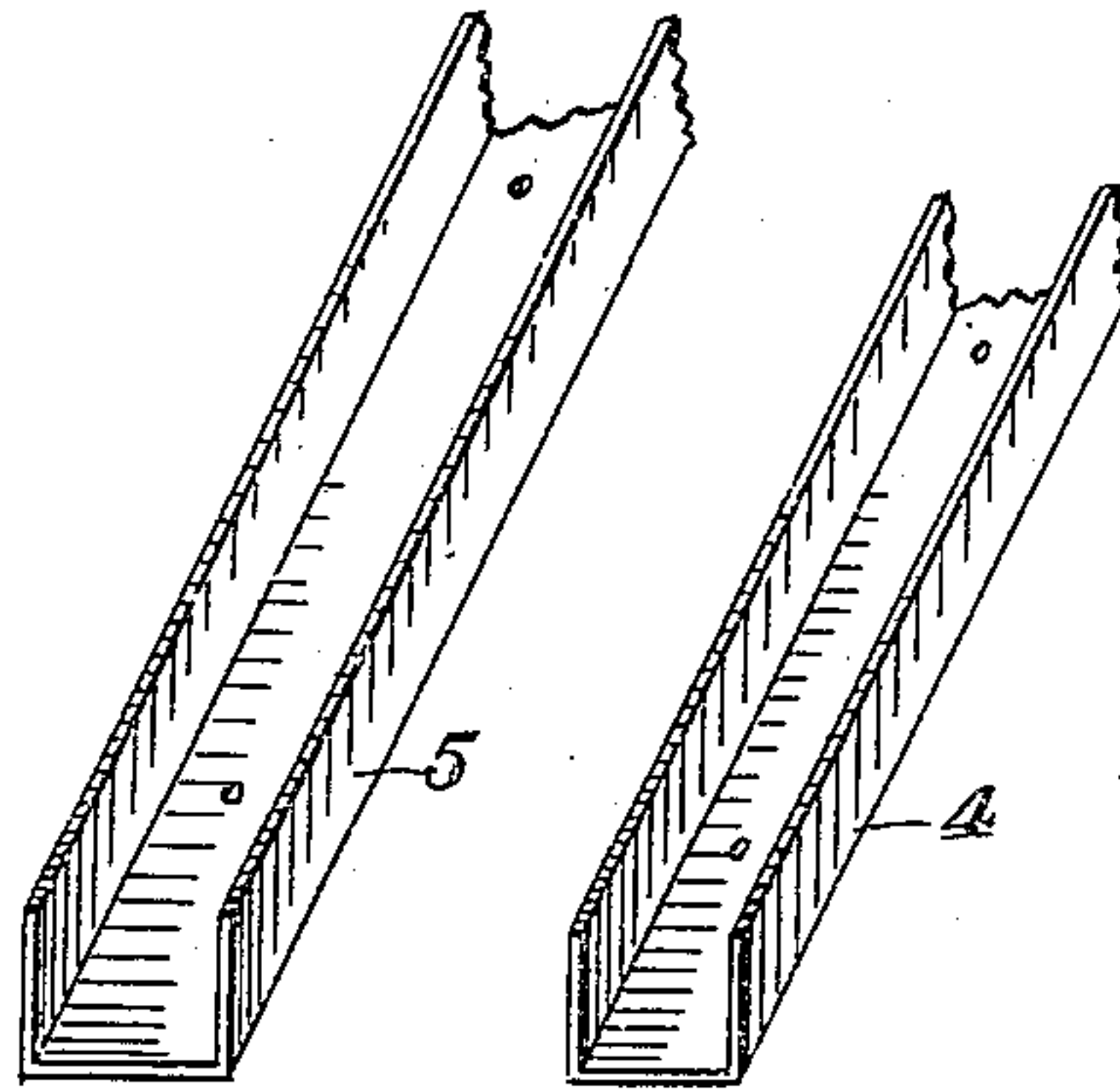


Fig. 4.

Fig. 5.

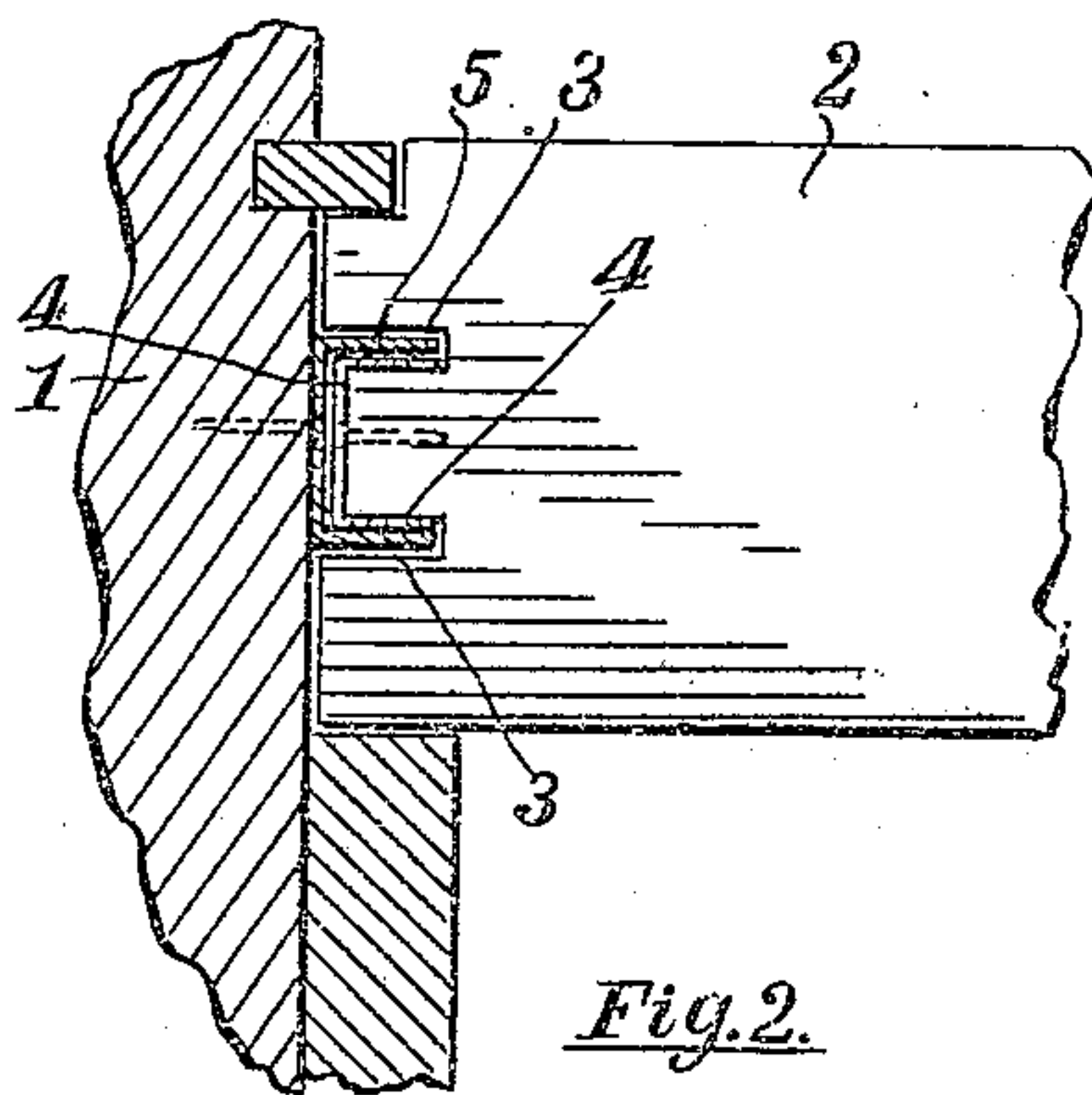


Fig. 2.

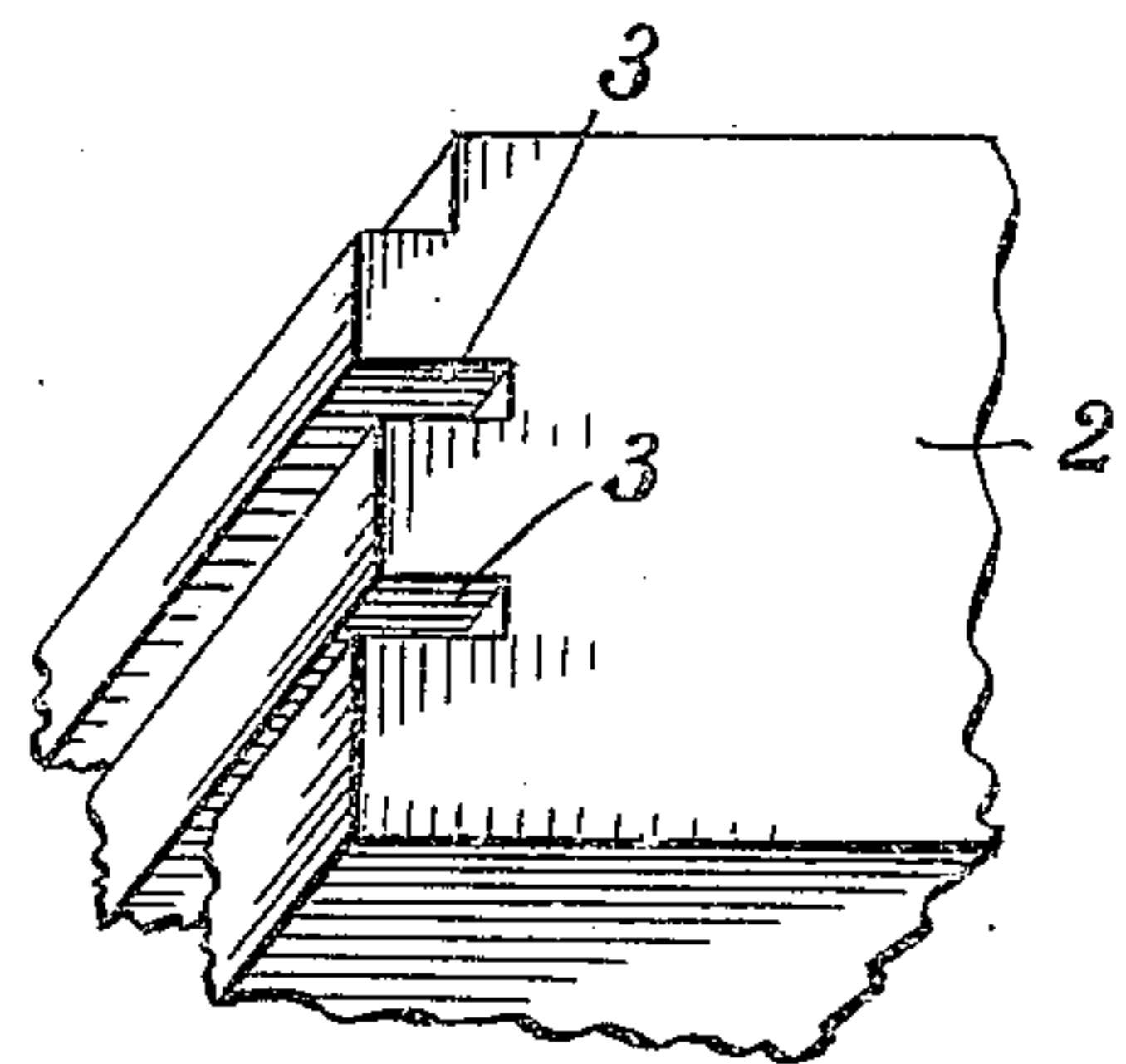


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

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METALLIC WEATHER-STRIP.

956,702.

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To all whom it may concern:

Be it known that I, ALBERT E. GOULD, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Metallic Weather-Strips; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in metallic weather strips for windows, and its object is to provide a simple and effective device that can be readily inserted in any window of ordinary construction; and to provide the same with various new and useful features hereinafter more fully described and particularly pointed out in the claim.

My device consists essentially of two strips of thin sheet metal folded at right angles in channel form, one being adapted to slide within the other, the parallel sides of the same being spaced apart materially less than the thickness of the sash and inserted in grooves in the sash, and the outer or larger one being fastened to the surface of the jamb of the window and the inner or smaller and movable one fastened to the sash and slidable within the larger one, as will more fully appear by reference to the accompanying drawings, in which:

Figure 1, is a perspective detail showing my device applied to a window; Fig. 2, an enlarged plan view partially in section; Fig. 3, a detail of one corner of the sash in perspective showing the grooves therein; Fig. 4, the outer member in perspective; Fig. 5, the inner member in perspective, and Fig. 6, represents a modification in transverse section.

1 represents a portion of the jamb of the window; 2 one corner of a sash adapted to my device by cutting two parallel grooves 3 therein and spaced apart, and also reducing the outer face of the tongue left therebetween by an amount equal to the thickness of both weather strips, as illustrated in Fig. 3. The smaller strip 4 is then placed upon the tongue between the

grooves and secured thereto. The strip 5 is placed upon the outside of the strip 4, as indicated in the drawings, and secured to the inner surface of the jamb 1. The parallel sides of these strips are flexible and the adjacent sides of the outer strip are sprung toward each other to yieldingly contact near their edges and thus form a tight joint and at the same time slide freely. They thus afford metallic sliding surfaces to guide the sash and at the same time effectually close the space between the sash and the jamb and prevent passage of air there-through.

It will be noted that the outer strip 5 is attached to the flat surface of the casing, which requires no grooving or other preparation to receive the strip and that the only preparation of the sash is to cut the grooves therein which can be quickly done by a circular saw, or two saws spaced apart. Also that being but two narrow channel strips, they are cheaply made and can be applied to a sash at one side of the supporting cord without disturbing the same. It is thus specially adapted to apply to an ordinary window after the same is finished and in use and is very simple, effective, and cheap.

What I claim is:

The combination of a window jamb having a plane surface next the sash, a sash having two grooves spaced apart materially less than the thickness of the sash and having a tongue therebetween, a strip of sheet metal folded twice at right angles and having its middle portion secured to the surface of the tongue between the grooves and having its parallel sides free in the grooves, and a strip of sheet metal folded longitudinally at right angles and attached to the plane surface of the jamb, and also having its parallel sides inserted in the grooves in the sash and flexibly embracing the strip on the sash.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT E. GOULD.

Witnesses:

LUTHER V. MOULTON,
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