

F. DAVIS.  
WEATHER-STRIP.

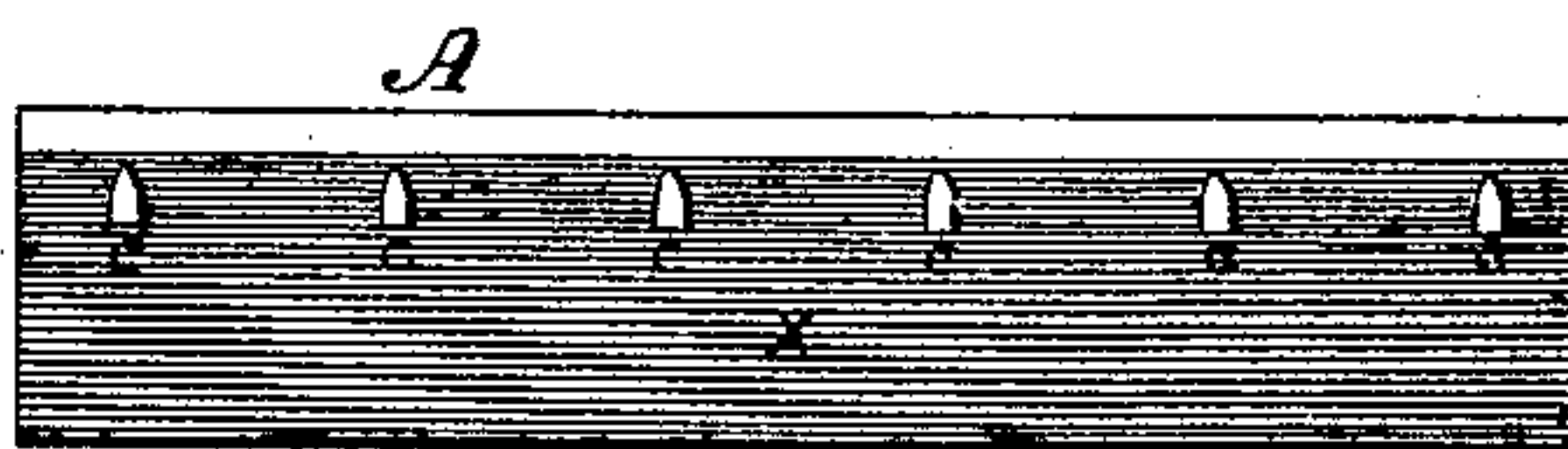
No. 190,420.

Patented May 8, 1877.

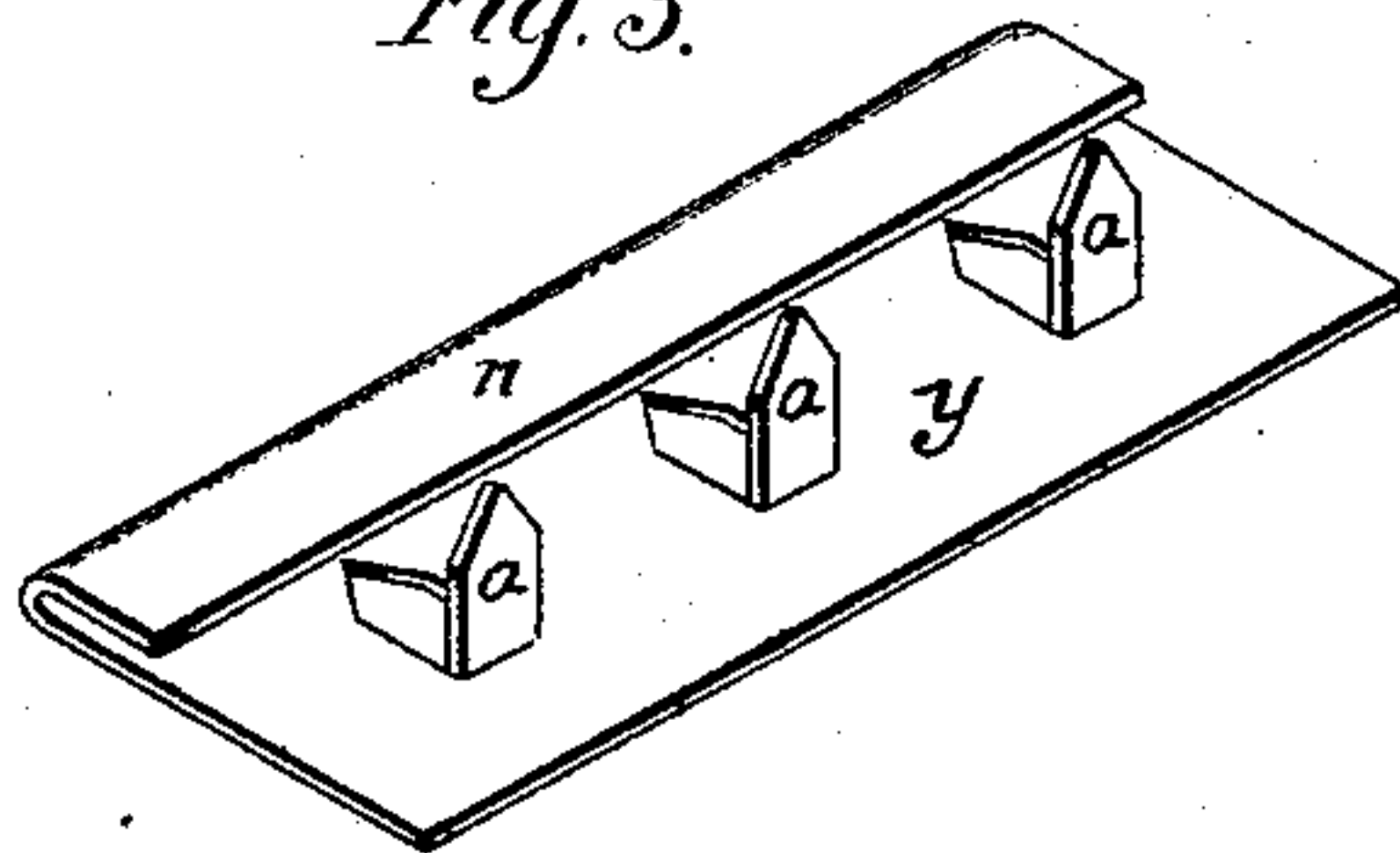
*Fig. 1*



*Fig. 2*



*Fig. 3*



Witnesses.

William F. Hopson  
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# UNITED STATES PATENT OFFICE.

FRANK DAVIS, OF NORTH ADAMS, MASSACHUSETTS.

## IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **190,420**, dated May 8, 1877; application filed March 12, 1877.

*To all whom it may concern:*

Be it known that I, FRANK DAVIS, of North Adams, in the county of Berkshire, State of Massachusetts, have invented a new and useful Improvement in Weather-Strips, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, which form part of the same.

My invention relates to weather-strips, and consists in the manner of connecting a strip of sheet metal and a strip of sheet-rubber which compose the weather-strip, which is hereinafter more fully set forth and claimed.

Figure 1 is a front view of the weather-strip. Fig. 2 is a view of the same reversed. Fig. 3 is an enlarged view of the sheet metal forming a part of the weather-strip.

In Fig. 3, *y* is a strip of sheet metal, one of its edges being turned and bent down, forming the hem *n*. The prongs indicated by the letter *a* are cut in and turned up from the sheet metal in the manner shown in the drawing. In Fig. 2, *x* is a strip of sheet-rubber, having the cuts through it indicated by the letter *c*. This strip of rubber is placed on the

strip of sheet metal *y*, the prongs *a* passing through the cuts *c* in the rubber, the edge of the rubber coming against the edge of the hem *n*, and the prongs *a* are clinched in the manner shown in Fig. 2. The rubber, being a little thicker than the sheet metal forming the hem *n*, fits closely to the casing of the door or sash to which it is applied. Instead of sheet-rubber, felt or leather may be used.

These strips being nailed to the casing of a door or sash, the edge of the rubber, coming against the door or sash, effectually closes all openings.

I claim as my invention—

In a weather-strip consisting of a strip of sheet metal and a strip of elastic material, the strip of metal having the hem *n*, against the edge of which the edge of the elastic material comes, the prongs *a*, cut in and turned up from the sheet metal, passed through the elastic material, and clinched, substantially as shown and described.

FRANK DAVIS.

Witnesses:

GEORGE TERRY,  
H. B. IVES.