

(No Model.)

C. SAVILLE.
WEATHER STRIP.

No. 434,890.

Patented Aug. 19, 1890.

Fig. 1.

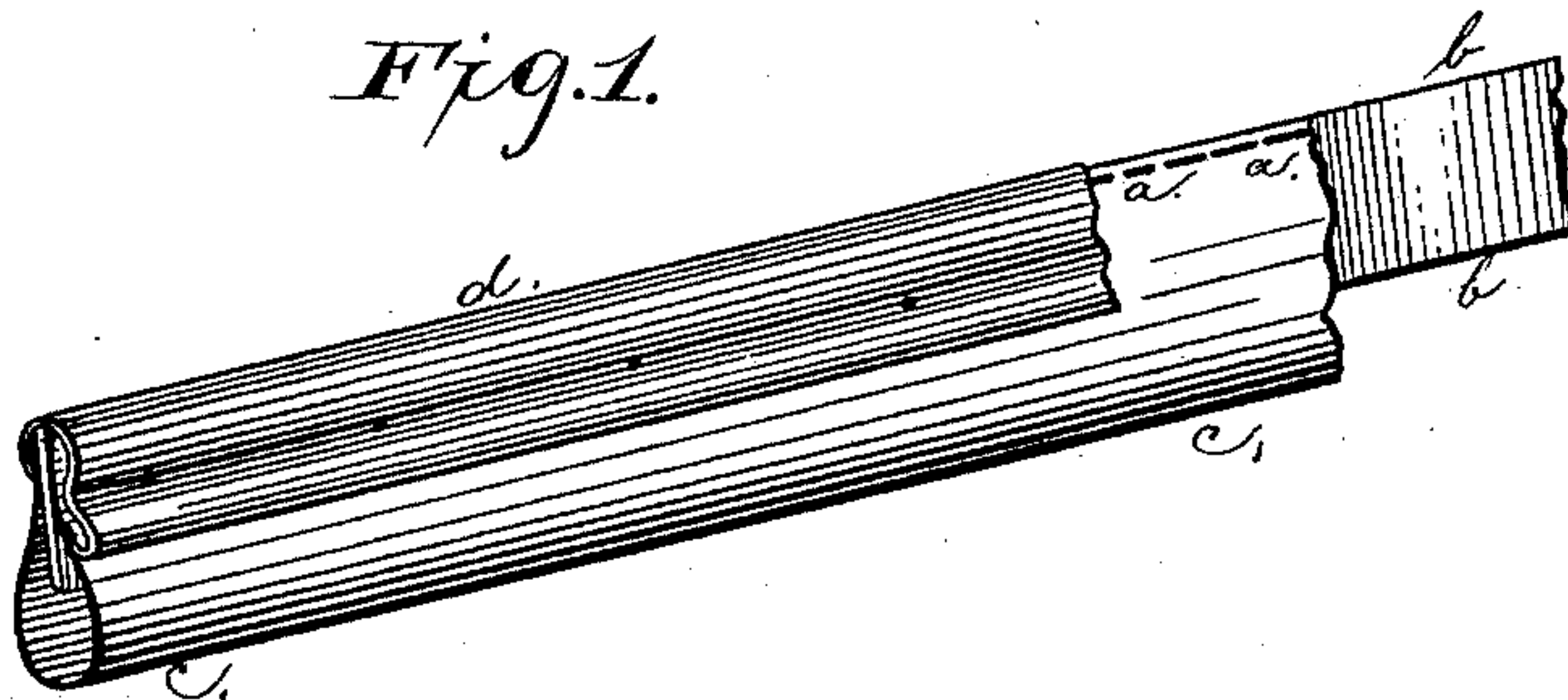


Fig. 2.

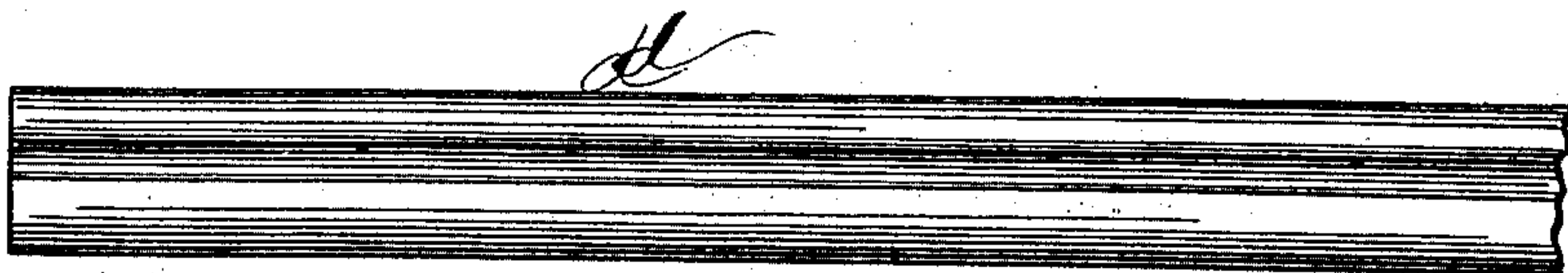


Fig. 3.

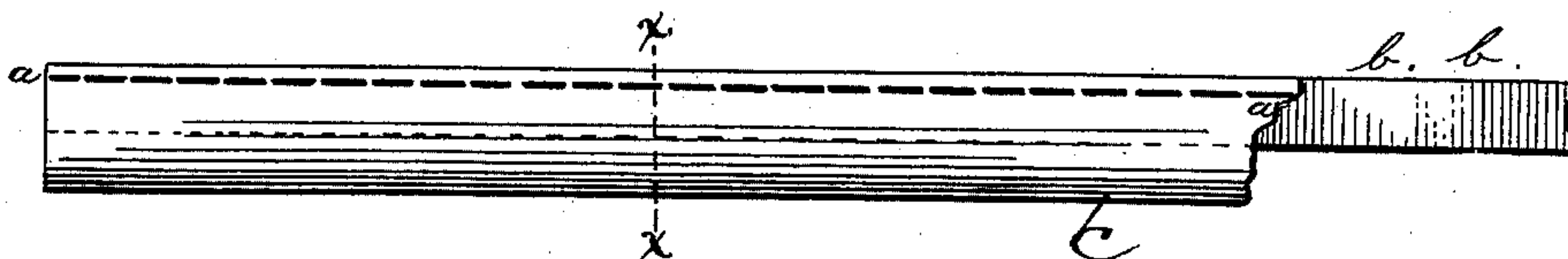


Fig. 4.



Witnesses

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CLIFFORD SAVILLE, OF HACKENSACK, NEW JERSEY.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 434,890, dated August 19, 1890.

Application filed April 12, 1890. Serial No. 347,716. (No model.)

To all whom it may concern:

Be it known that I, CLIFFORD SAVILLE, of the town of Hackensack, Bergen county, State of New Jersey, have invented a certain new and useful Improvement in Metallic Weather-Strips, of which the following is a specification.

My invention relates to what is known as "weather-stripping," made use of for closing the joints of windows and doors; and it has for its object the devising of a weather-strip which may be made at small cost and is simple in construction and effective for the purpose intended.

I combine with the longitudinal edges of a folded flexible strip a narrow strip of rubber or the like, the said narrow strip being arranged between the folded flexible strip with its top edge on a line with the edges of the folded strip, the parts being held in this condition by a line of coarse stitching immediately below the edges. By this means the rubber cushion of the weather-strip is permanently provided with a flexible ridge to be embraced by the folded metallic backing of the strip, the coarse stitching assisting in preventing the metal from slipping off the rubber. The cushion when thus re-enforced cannot easily become separated from the metallic backing when the weather-strip is in use.

In the accompanying drawings, which form a part of this specification, and in which like parts are indicated by like letters of reference in the several views, Figure 1 is a perspective view of a fragment of a weather-strip constructed according to my invention. Fig. 2 is a face view of one form of the metallic backing. Fig. 3 is a side view of a fragment of a weather-strip embodying my invention with the metallic backing omitted, and Fig. 4 is a cross-section on line *xx* of Fig. 3.

Referring to the drawings, *c* indicates a strip of rubber or other suitable material, which is folded so as to bring its longitudinal edges together, as seen in Fig. 4. Between the strip *c* thus folded I place a narrow strip of rubber or the like, which is indicated by *b*, and arrange the same so that its upper longitudinal edge will be on a line with the longitudinal edges of the folded strip *c*, as also seen in Fig. 4. The parts *c* and *d* thus ar-

anged are then firmly secured together by a line of stitching *a* immediately below the edges of the strips. Coarse thread is used for the stitching *a*, so as to form a ridge on both sides of the joined strips. The inserted strip *b*, which extends downward into the loop of strip *c* only far enough to permit the parts to be stitched together, as explained, serves to re-enforce the longitudinal edges of the cushion-strip *c*, and in conjunction with the coarse stitching *a* to facilitate the retention of the edges of the cushion-strip within the metallic backing or housing. This manner of re-enforcing the cushion-strip is both cheap and effective.

The backing or housing for the flexible cushion *c* is indicated by *d*. It may be of zinc or other suitable metal, and it is applied to the cushion *c* by clamping one of its edges firmly over the re-enforced portion of said flexible cushion. The backing *d* may be plain, ridged, or convex on its face. Scrap or waste may be utilized in providing the inserted strip or piece *b*.

I am aware of the patent of Casper, dated March 13, 1888, No. 379,208, in which is employed a wire filament around which the flexible strip is looped, the strip being held in place around the wire by a metallic base-strip formed to embrace the flexible strip and wire filament, and to such an invention I lay no claim.

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

In a weather-strip, a flexible cushion consisting of a strip of rubber folded to bring its longitudinal edges together and a narrow re-enforcing strip of rubber or the like inserted between the folded strip and firmly secured in place by coarse stitching passing through both strips immediately below their top edges, in combination with a metallic housing or backing one edge of which embraces the stitching of the flexible cushion, substantially as set forth.

CLIFFORD SAVILLE.

Witnesses:

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