

(No Model.)

A. CAMPBELL.

HAT SWEAT.

No. 365,578.

Patented June 28, 1887.

Fig. 1.

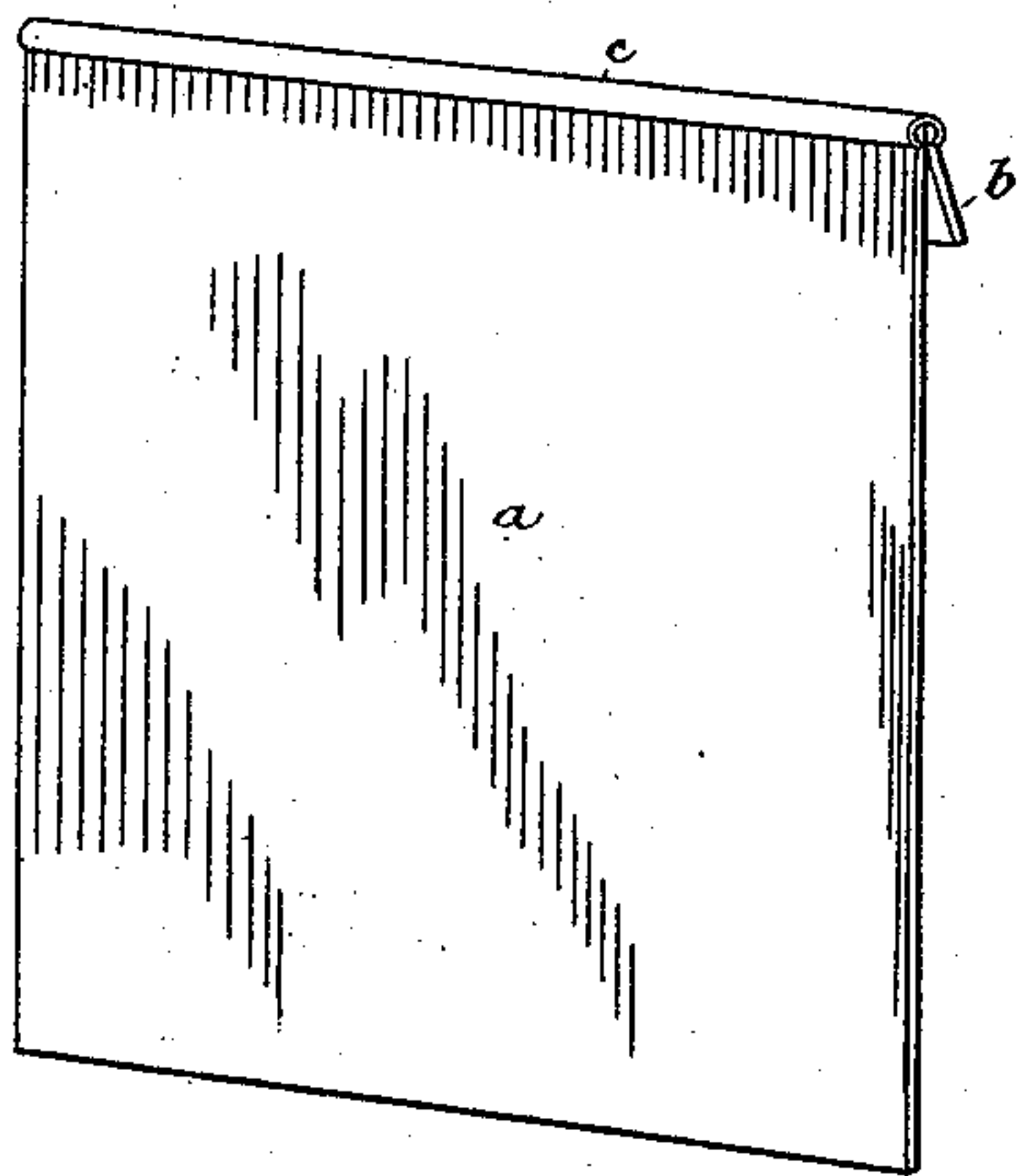


Fig. 1.

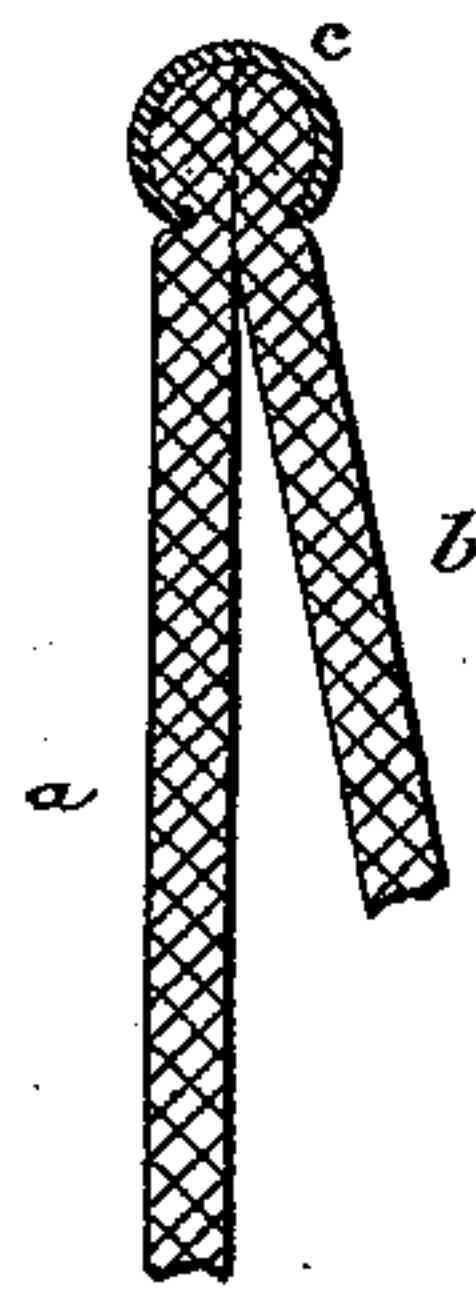


Fig. 2.

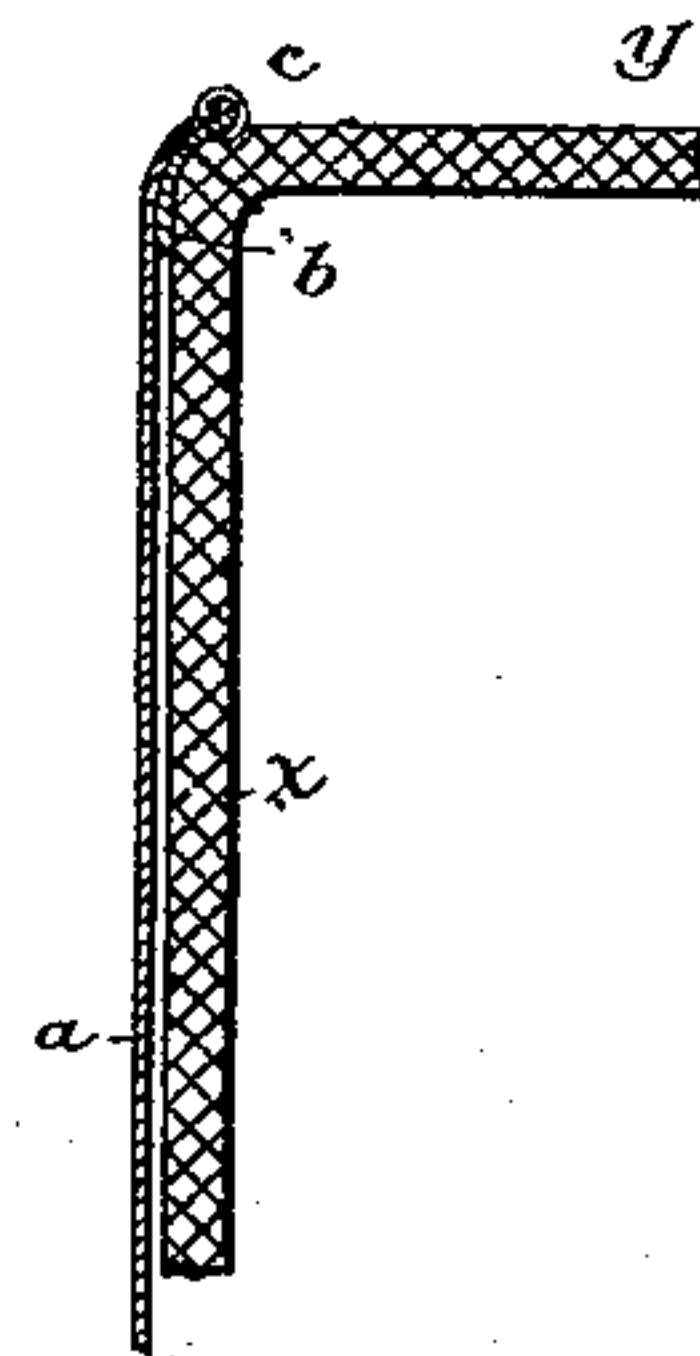


Fig. 3.

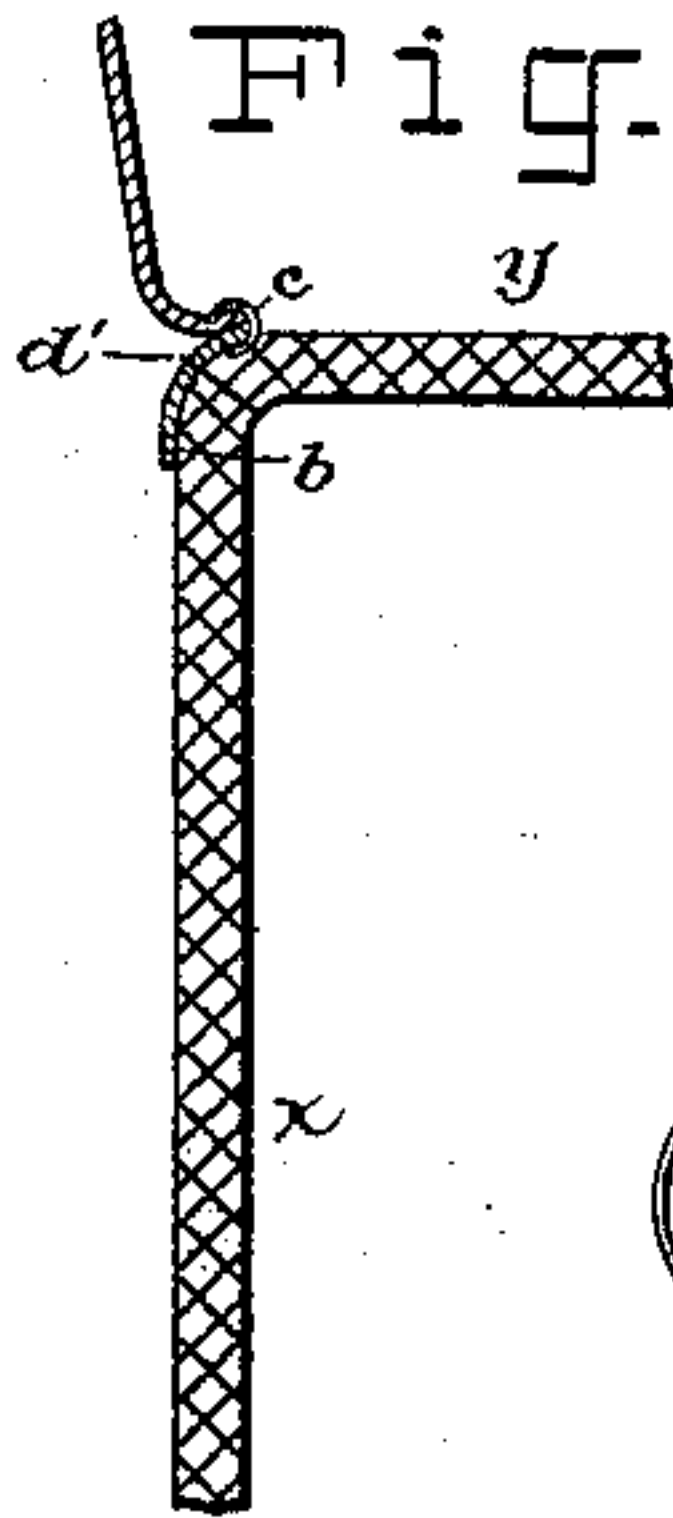


Fig. 4.

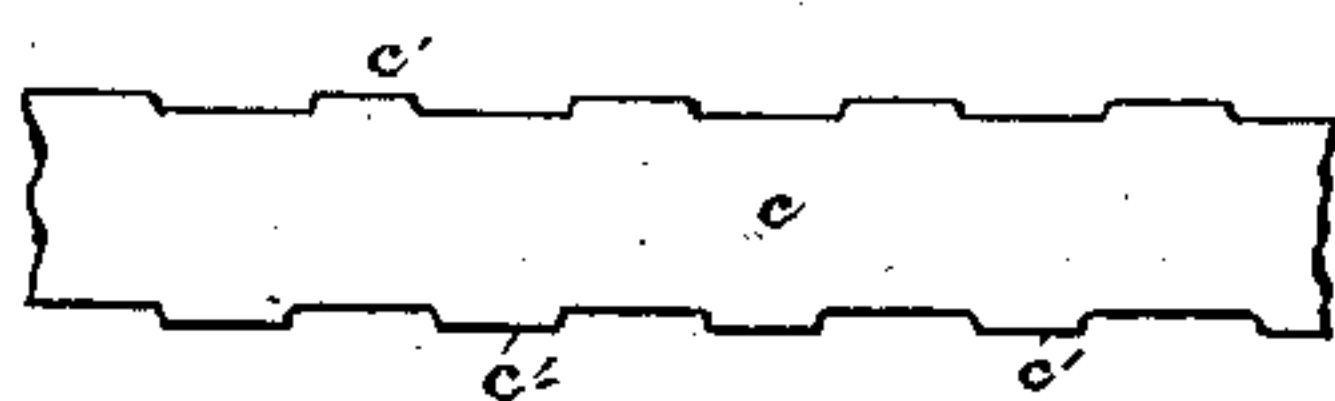
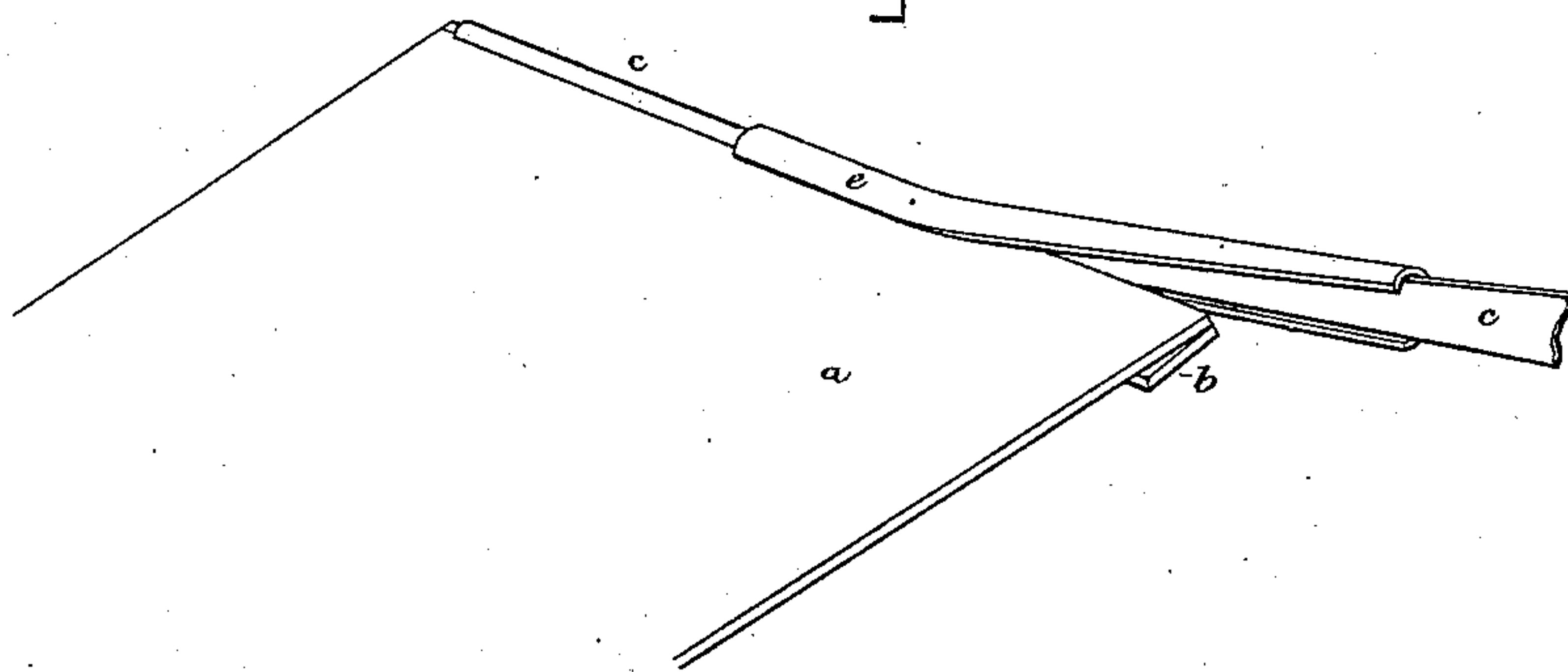


Fig. 5.



Fig. 6.



WITNESSES:

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*Andrew Campbell*

By his Attorney,

*Henry Connett*

# UNITED STATES PATENT OFFICE.

ANDREW CAMPBELL, OF BROOKLYN, NEW YORK, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THE HAT MACHINE COMPANY, OF SAME PLACE.

## HAT-SWEAT.

SPECIFICATION forming part of Letters Patent No. 365,578, dated June 28, 1887.

Application filed October 12, 1886. Serial No. 216,017. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW CAMPBELL, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Hat-Sweats, of which the following is a specification.

My invention relates to a hat-sweat or sweat-band provided with a binding of some impervious and non-absorbent material; and my object is to produce a sweat with a light, flexible, elastic binding that will resist moisture and the corroding effects of perspiration. Heretofore, in some instances, such sweats have been provided with metallic bindings, and in others they have been corded and overstitched. Metal is apt to oxidize, and is, besides, rather stiff and heavy.

My invention consists of an improved hat-sweat, comprising a broad flexible band of leather or like material, a securing-strip at the back of said band, and a bead-like binding, of celluloid or other similar compound containing pyroxyline, clasping said band and attaching-strip. The attaching-strip may be integral with the band, or not, as preferred.

It also consists in providing the edges of the celluloid binding-strip with serrations or scallops, so that it will the better clasp and hold the band and strip.

In carrying out my invention, I take a thin and narrow strip of celluloid, preferably black or ebony celluloid, as long as the sweat-band, and place it on the sweat-band along the edge to be bound. The strip of celluloid is now, while in this position, passed through a metal binder or hemmer, together with the leather sweat, the metal binder being warmed or heated during the process in order to render the celluloid strip limber and pliable, it being horny and elastic at normal temperatures. After the strip of celluloid is thus applied as a binding, and after it has become cool and stiff, or normal, it is polished in the usual way employed with celluloid, and will then present the appearance of an ebony bead on the edge of the sweat-band.

In the drawings which serve to illustrate my invention, Figure 1 shows a piece of a

sweat-band for a hat constructed according to my invention. Fig. 1<sup>a</sup> is a sectional view of the bound edge of the sweat-band on a large scale. Fig. 2 is a sectional view showing the improved sweat-band secured in the hat. Fig. 3 is a similar view to Fig. 2, illustrating the mode of attaching the band to the hat. Fig. 4 shows a piece of the strip of celluloid or other like material which is destined to form the binding. Fig. 5 is a diagram illustrating the forms the binding-strip takes, in succession, as it passes through the binder or attaching-instrument. Fig. 6 is a perspective view showing a binder in the act of applying the binding-strip to the sweat-band.

*a* represents the sweat-band, usually of leather, and *b* the strip of leather or other flexible fabric laid along the edge of the band that is to be bound.

*c* represents the binding-strip of thin celluloid after it has been applied.

In Figs. 2 and 3, *x* represents the body of a hat, and *y* the brim of the same.

In attaching the sweat-band, it is applied to the hat in the position seen in Fig. 2, the leather *a* turned back or out, as seen in Fig. 3, and the strip *b* secured to the hat by stitches or other fastenings, *d*. I prefer to use a separate strip *b* for an attaching-strip; but the edge of the band *a* might be folded over to form an attaching-strip, and the use of a separate attaching-strip be avoided. The binding-strip *c*, which before it is applied is merely a flat strip of celluloid or other pyroxyline compound, is represented in Fig. 4, wherein it is shown with slightly scalloped edges, the long scallops *c' c'* being arranged by design out of register or coincidence on its opposite edges. Any toothing or slight roughening of the edges will serve; or these scallops may be entirely omitted.

In Fig. 5 the sectional views 1 2 3 4 show the successive forms the binding-strip *c* takes in passing through the binder.

Fig. 6 illustrates the form of the binder *e*, which may be employed. Similar binders have been used before, and I make no claim to this instrument. Any instrument or machine that will effect the purpose may be used. It is only



necessary that the edges of the strip *c* shall be so turned in and embedded in the material of the sweat-band that the strip shall have a firm hold, as seen in Fig. 1<sup>a</sup>. The heating or  
5 warming of the hemmer or binder *c* need only be sufficient to impart the proper degree of pliability to the strip *c*, the edges of which will be pressed into the softer material of the sweat-band, as clearly indicated in Fig. 1<sup>a</sup>. After  
10 the celluloid has resumed its normal stiffness, it will be found that it will retain its hold and place on the leather band very tenaciously.

My improved binding-strip imparts an elegant appearance to the sweat, and is especially  
15 well adapted to the best class of silk hats.

I am aware that it has been proposed to make a sweat-band of elastic wood, to be sprung into place in the hat so as to be held without stitching, and that this wooden band has been  
20 faced with a thin veneer of celluloid. This I do not claim. My sweat is of leather with only a narrow edge-binding of celluloid in the form of a bead.

Having thus described my invention, I  
25 claim —

1. As an improved article of manufacture, a sweat-band for a hat, comprising a broad flexible band, *a*, of leather or like material, a securing-strip at the back of said band *a*, and a bead-like binding, *c*, of celluloid or other similar compound containing pyroxyline, clasping  
30 said band and attaching-strip, substantially as set forth.

2. As an improved article of manufacture, a sweat-band for a hat, comprising a broad  
35 leather band, *a*, a strip, *b*, placed face to face with band *a*, and a bead-like binding, *c*, made from a strip of celluloid with scalloped or serrated edges, and clasping or embracing the edges of band *a* and strip *b*, substantially as  
40 set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

ANDREW CAMPBELL.

Witnesses:

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J. D. CAPLINGER.