

B.M. Smith.
Paper Collar.
N^o 75212. Patented Mar. 3, 1868.

Fig. 1.

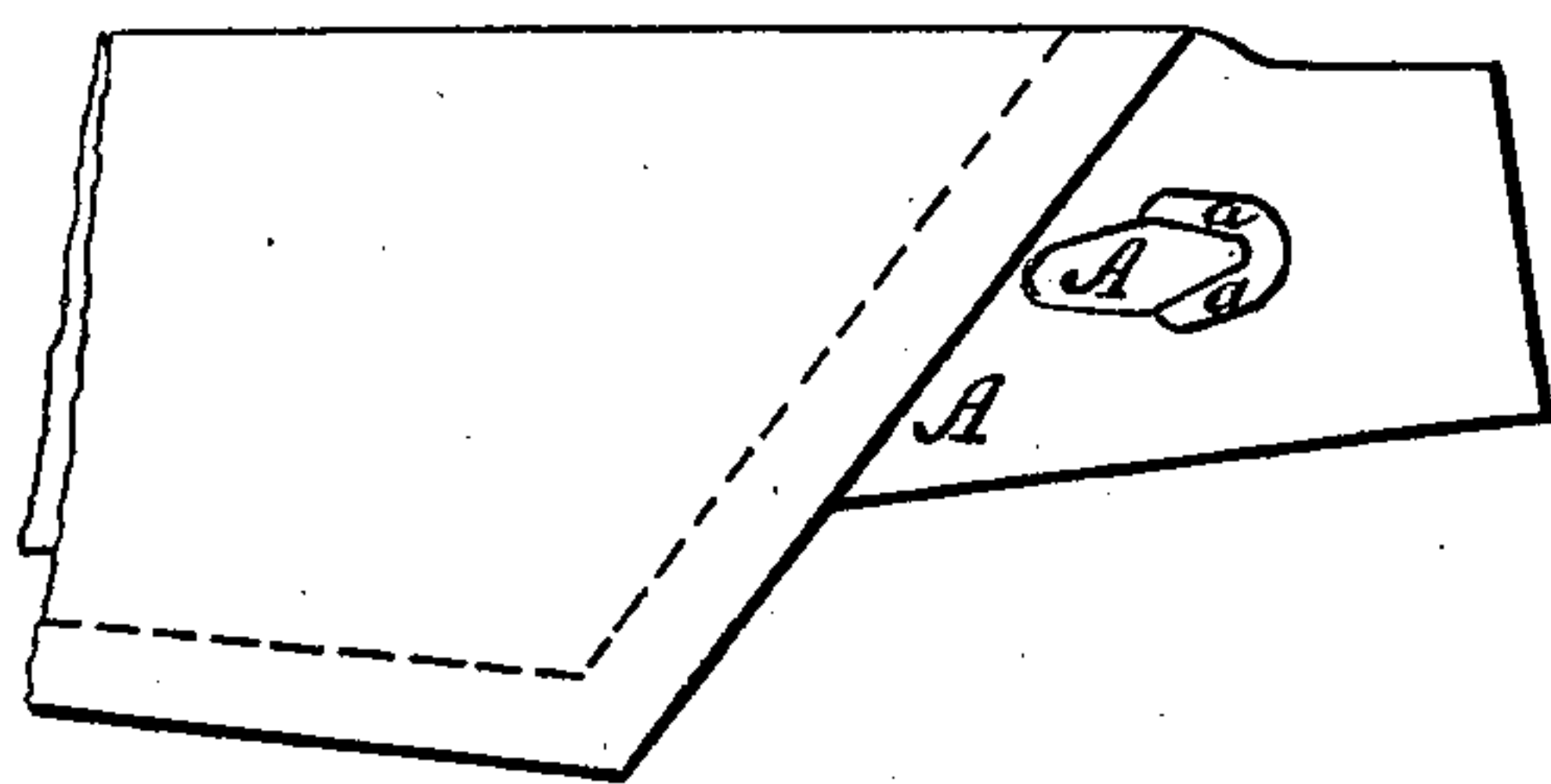


Fig. 2.



Witnesses.

McCombs
A. Sellers

Inventor.

Benj. N. Smith.

Per Brown, Coombs & Co
Attys

United States Patent Office.

BENJAMIN M. SMITH, OF NEW YORK, N. Y.

Letters Patent No. 75,212, dated March 3, 1868.

IMPROVEMENT IN BUTTON-HOLES FOR PAPER ARTICLES OF APPAREL

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, BENJAMIN M. SMITH, of the city, county, and State of New York, have invented a new and useful Improvement in Button-Holes for Collars, Cuffs, and other like Articles of Paper; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a side view of a portion of a collar formed or furnished with a button-hole made according to my invention.

Figure 2 is a detached view of one portion of the invention.

Similar letters of reference indicate corresponding parts in both figures.

The object of this invention is to provide a means, whereby the button-holes of cuffs, and other like articles of paper, may be made much stronger than when formed in the usual manner, without materially impairing that flexibility required therewith to permit their manipulation in buttoning or unbuttoning, as the case may be.

The invention consists in a metallic shield-piece, so applied to that portion of the button-hole, which is the most exposed to strain or tension when in use, as to distribute such strain upon a greater extent of the sides of the button-hole, thus securing a proportionally greater resistance thereto than would otherwise be the case, a sufficient portion of the button-hole being left free to insure the flexibility required in manipulating or adjusting the same.

To enable others to understand the nature and construction of my invention, I will proceed to describe it with reference to the drawings.

The paper collar, of any suitable form or construction, is indicated at A, and has its button-holes, one of which is shown at A*, situated in the ordinary or in any appropriate position. Fitted within, or at that part or side of the button-hole, at which the greatest strain or tension is exerted thereon, is a shield-piece, *a*, which is made of sheet metal, and, taken transversely, corresponds in shape to that portion of the button-hole which it is designed to strengthen or protect, and is furthermore folded in such manner that a space, *a'*, is provided between its two flat sides, as shown in fig. 2. When the shield-piece is fitted into its place, the part or side of the button-hole to be protected is inserted within the space *a'* just mentioned, and the two flat sides of the shield-piece being compressed toward each other, the said shield-piece is thus firmly attached to the collar, and covering the portion of the button-hole most exposed to the action of the button, receives not only the wear and abrasion exerted thereon by the said button when in use, but extending around a considerable portion of the button-hole, distributes the strain or tension of the button over a larger proportion of the fabric than would otherwise be the case, and thus effectually prevents the hole from "tearing out" or being ruptured from such strain, at the same time that the flexibility required in manipulating the button-hole is permitted by the free condition of that portion thereof not covered or protected by the shield-piece.

I do not confine myself to any particular shape either of the button-hole or shield, but

What I claim as my invention, and desire to secure by Letters Patent, is—

The metallic shield-piece *a*, in combination with the button-hole A* of a paper article of apparel, substantially as and for the purpose specified.

BENJAMIN M. SMITH.

Witnesses:

HENRY T. BROWN,

J. W. COOMBS.