

(No Model.)

F. A. SMITH, Jr.

BUTTON.

No. 303,062.

Patented Aug. 5, 1884.

Fig. 1

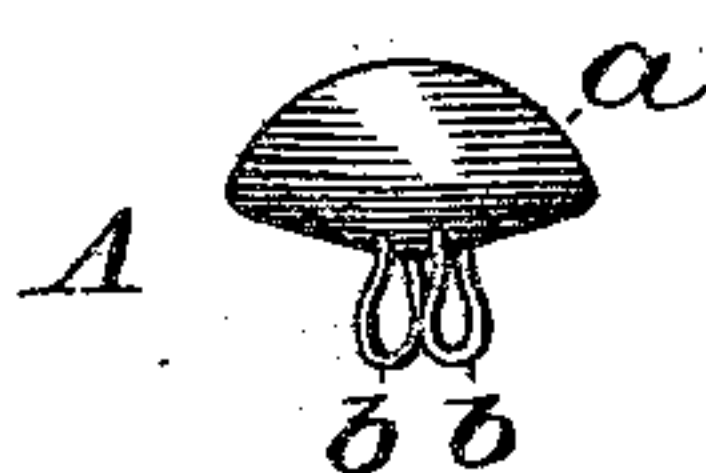


Fig. 2.



Fig. 3.

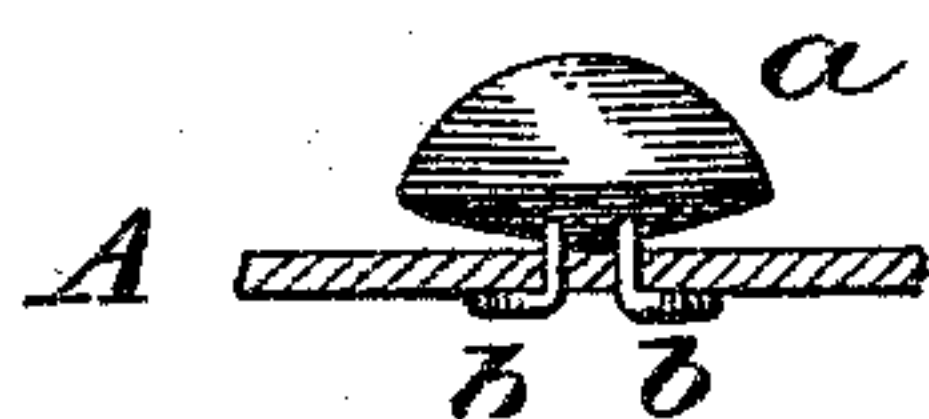
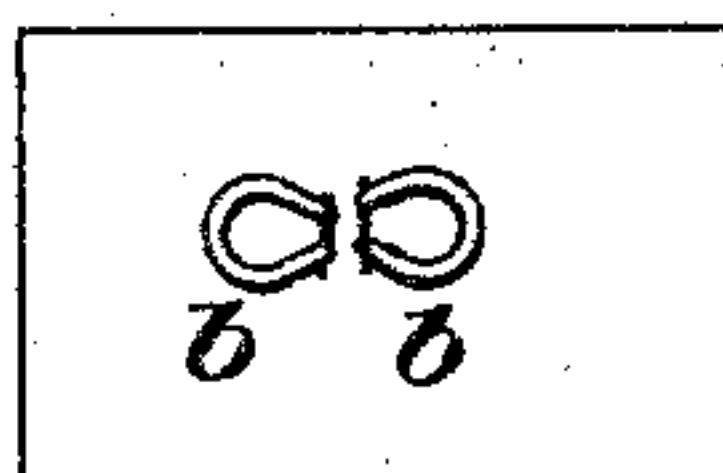


Fig. 4.



Witnesses:

E. Fisher.
Charles Meene

Inventor:

Franklin A. Smith, Jr.

UNITED STATES PATENT OFFICE.

FRANKLIN A. SMITH, JR., OF PROVIDENCE, RHODE ISLAND.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 303,062, dated August 5, 1884.

Application filed April 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN A. SMITH, Jr., a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Buttons; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to buttons of that class which have in themselves the means of attachment to a fabric. Heretofore such buttons have been provided with penetrating prongs, the upper portion being embedded in the head, said prongs being pressed through a fabric and clinched on the under surface. In such buttons the ends of the prongs are liable to become bent away from the said under surface, causing the annoyance of articles of wear catching in them, or of injuring the flesh of the wearer.

My present invention has for its object to provide a button with means of attachment, which will overcome these objections, and present, when attached to fabric, a smooth fastening, which is impossible to catch into or injure anything coming in contact with it.

To this end my invention consists of a button composed of leather, pulp, or other suitable material provided with two or more eyes or loops embedded therein, the whole arranged and adapted for use substantially as herein-after described, and particularly pointed out in the claims.

To illustrate my invention, I refer to the drawings, in which Figure 1 is a perspective view of my improved button. Fig. 2 is a side elevation of same. Fig. 3 represents the button secured to a fabric. Fig. 4 is a view of the under surface of a fabric, showing the loops as bent.

Again referring to the drawings, A is a button consisting of the head *a*, composed of leather, pulp, or other suitable material pressed into form by the use of dies specially prepared for the purpose. During the process of forming the said head *a*, the upper portion of the

loops *b b* are firmly embedded therein, thus forming the complete button, as shown in Figs. 1 and 2, which are subsequently colored or finished, as may be desired. The loops or eyes are formed of wire, and are the same in form as those now in use for a single-eyed button. These loops or eyes *b b* furnish the necessary means for attachment, the operation of which is as follows: The loops *b b* are passed through the fabric from the outer side. The loops are then bent down against the under surface, thus firmly attaching the button, as fully shown in Figs. 3 and 4. The distance between the loops is not essential, as they may be close together or some distance apart, as required or desired. By means of this form of fastening, I am enabled to furnish a button with a cheap and efficient means of attachment to a fabric, and when so attached it is not liable to become disengaged, while the rounded loops render it impossible to injure anything coming in contact with them.

My improved button can also be used the same as any single-eyed button, either by sewing or a metallic fastening. I have shown and described two loops or eyes in the present instance. The number may be increased, if desired, without departing from the spirit or intent of my invention.

I am aware that buttons have been made having a single eye; also, penetrating prongs for attachment; but I am not aware of a button having been made before having two or more loops or eyes adapted to be used as herein described.

Having described my invention, what I claim is—

1. As an improved article of manufacture, a button provided with two or more eyes or loops secured thereto during the process of making the same, and adapted for use substantially as specified.

2. The button A, consisting of the head *a*, and loops or eyes *b b*, combined and arranged substantially as and for the purpose specified.

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

FRANKLIN A. SMITH, JR.

Witnesses:

GEO. W. PRENTICE,
CHARLES GREENE.