F. Loos.

Button.

No. 61,547. Patented. Jan 29 1867.

Fig. 1.

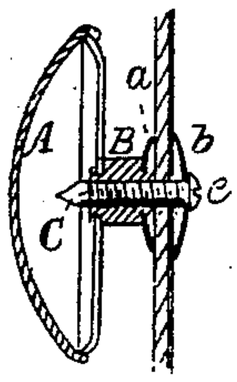


Fig. 2.

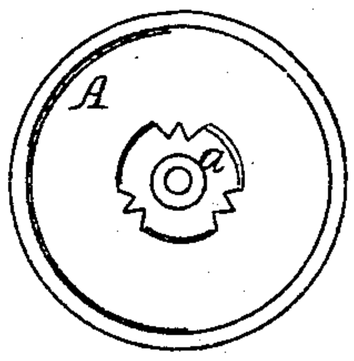


Fig. 3.

Fig. 4.

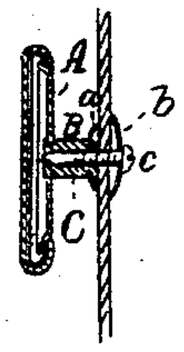
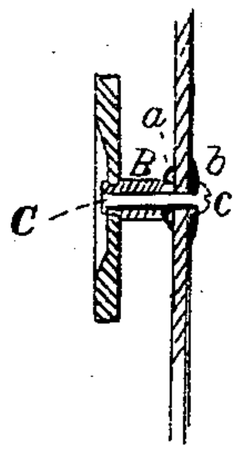


Fig. 5.



Witnesses:

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FREDERICK LOOS, OF GERMANTOWN, PENNSYLVANIA.

Letters Patent No. 61,547, *dated January* 29, 1867.

IMPROVEMENT IN BUTTONS.

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, FREDERICK LOOS, of Germantown, in the county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Self-Fastening Buttons; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improvement in that class of buttons which are secured to the cloth or other material without requiring to be sewed thereto, and, therefore, technically called self-fastening buttons. My invention consists in the combination, with a screw-socket secured to the back of the button, said socket having a flanged end, and serrated around the edge, of a screw-pin, having a head sufficiently large to prevent the cloth tearing at the point where the said pin passes through it, whereby the button is securely attached to the material, and in a manner which will prevent the cloth tearing on the button being casually detached from the cloth, and which, at the same time, can be easily applied and withdrawn without in the least injuring the material on which it is used. In the accompanying drawings—

Figure 1 is a longitudinal section of my invention, when applied to a piece of cloth.

Figure 2 is an inverted view of the button detached from the cloth, showing the screw-socket provided for the screw-pin.

Figure 3 is an enlarged view of the screw-pin.

Figure 4 is a sectional view, showing my invention applied to a cloth-covered button.

Figure 5 is also a sectional view, showing the same applied to another style of metal button.

Similar letters of reference indicate like parts.

The invention may be applied to any kind of button now in the market.

A, in the several figures, designates the body of the button, to the back of which there is secured a socket, B, in any suitable manner, which socket has formed around its outer end a flange, *a*, which, in the present instance, is rounded or bent, so that its sides flare upward, and its edges are toothed or serrated, so as to enable it to take a better hold upon the material, as well as to prevent the button turning when secured to the material. C is a screw-pin, which is fitted to screw into the socket B. This screw-pin carries a head, *b*, sufficiently large to clamp the material for a proper distance around the hole through which the pin passes, to prevent the same from tearing in any way. The said head has a slot, *c*, cut in it, like a screw, to permit it to be screwed into and out of the socket with the aid of a pen-knife, or anything with a thin edge. These two parts B and C, in combination with each other, constitute my fastening. This fastening will in nowise injure the article to which the button is to be attached. The screw-pin is so small that it leaves no perceptible hole in the garment; therefore it can be applied to studs for fastening shirt bosoms and sleeves, &c., &c., without injuring the material; and the facility with which the stud may be applied, and the rapid manner in which it may be secured, recommends the fastening for such use. It is secure in every respect.

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

The combination of the screw C, concavo-convex disk *b*, and serrated shank B *a*; the said serrated shank and disk being of unequal diameter, all substantially as described, for the purpose set forth.

FREDERICK LOOS.

Witnesses:

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