C. Robitaille.

Button.

No. 54071. Patented Apr. 17. 1866

Fig. 1.

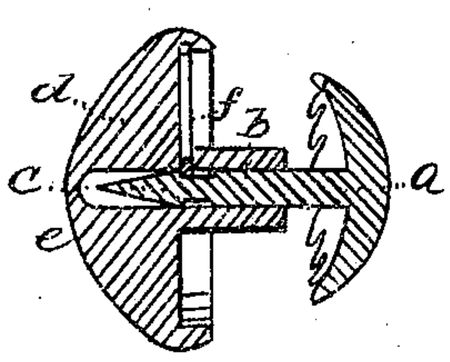

Fig. 2.

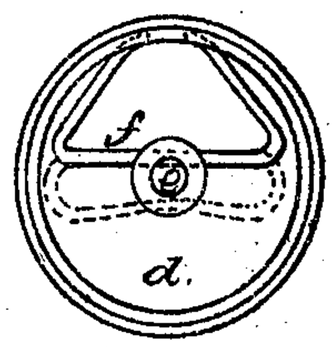

Fig. 3.

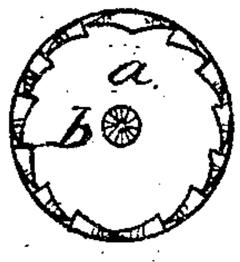

Fig. 4.

Witnesses:

Geo. H. Walker.

Chas. H. Smith

Inventor:

Charles Robitaille

UNITED STATES PATENT OFFICE.

CHARLES ROBITAILLE, OF BROOKLYN, NEW YORK, ASSIGNOR TO FLORIAN DAHIS AND HENRY B. VOSS, OF SAME PLACE.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. **54,071**, dated April 17, 1866.

To all whom it may concern:

Be it known that I, CHARLES ROBITAILLE, of Brooklyn, in the county of Kings and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Fastenings for Garments; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a section of the button or fastening complete. Fig. 2 is a view of the back of the button. Fig. 3 is a view endwise of the perforator and its head, and Fig. 4 is an enlarged section at the neck or notches of the perforator.

The figures are larger than the usual size of fastening, and similar marks of reference denote the same parts.

My invention is an improvement upon that for which Letters Patent were granted, November 14, 1865, to Dahis and Voss as assignees of Florian Dahis.

My invention relates to the mode of forming and securing the spring in the button, whereby a much longer and more flexible spring can be made, and occupies less space than the spring in said patent and is less liable to injury. I also provide a peculiar character of notch or neck in the perforating-point, and teeth around the head of the perforator to take the cloth and prevent the same turning when the button-head is revolved to disconnect the parts.

In the drawings the letters of reference employed correspond with those on the said Letters Patent, and a reference is made to the same for a description of the general nature of said parts.

a is the head of the perforator *b*. *c* is the notch; *d*, the stud or button-head with the central hole, *e*, and *f* is the spring. This spring *f* is formed in a triangular shape, as seen in Fig. 2, and sits within a recess in the back of the button *d*, the central portion of the spring occupying a notch in the side of the projection containing the hole *e*. This form of spring occupies but little space, and is much longer than that in said patent. The ends of *f* might be folded back, as shown by dotted lines in Fig. 2, and be equally elastic.

The notch *c* is to be formed triangular, as in larger size in Fig. 4, so that the button-head and perforator can only be disconnected when turned, so that the spring rests on the angle opposite the portion *c'* of the said notch, where the side of the perforator is removed, so that the spring *f* may draw off the said perforator *b*.

I make the head *a* of the perforator *b* concave, with teeth around its edge entering the surface of the cloth, when the parts are together, sufficiently to prevent said perforator turning when the button-head *d* may be turned for the disconnection of the parts. I prefer that these teeth be formed like saw-teeth, and half set in one direction and half in the other (see Fig. 3) to more effectually prevent the head *a* from turning.

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

1. The spring *f*, in the folded or triangular form shown, in combination with the projection in which is the hole *e*, for the purposes and as specified.

2. The notch *c*, in a triangular shape, with a portion of the side of the perforator removed, as at *c'*, for the purposes and as specified.

3. The teeth around the edge of the head *a* of the perforator *b*, as and for the purposes specified.

In witness whereof I have hereunto set my signature this 28th day of November, A. D. 1865.

CHARLES ROBITAILLE.

Witnesses:

GEO. D. WALKER,

CHAS. H. SMITH.