

A. A. Feldtrappe & R. Dufoy.

Buttons.

N^o 40254.

Patented Oct. 13. 1863

Fig: 1.

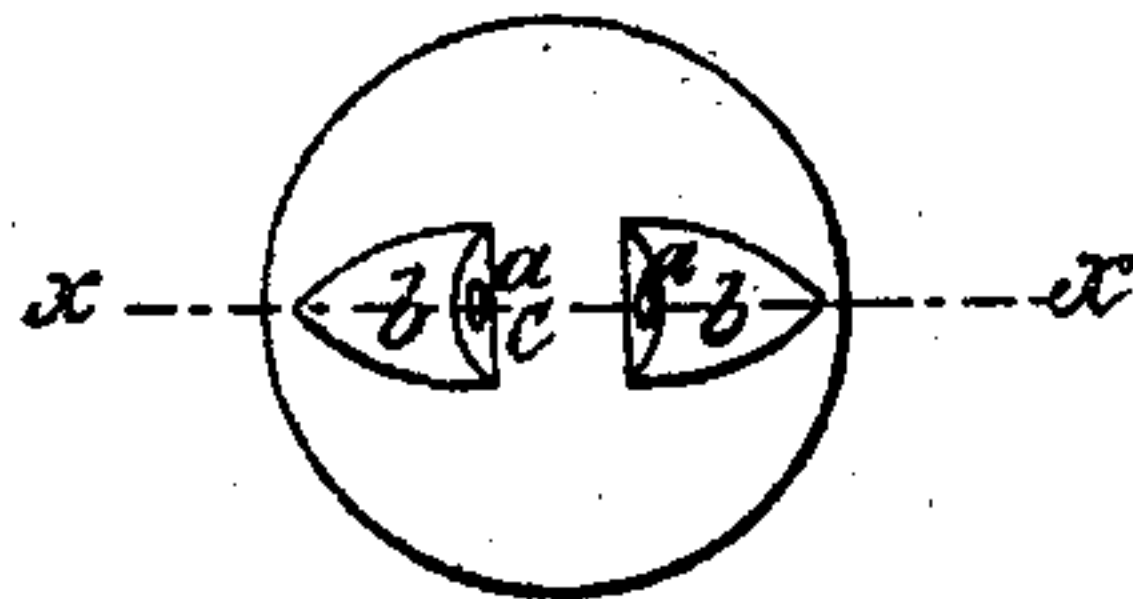


Fig: 2.

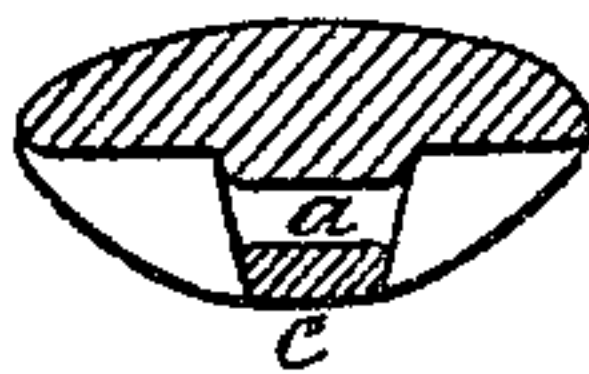


Fig: 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

ACHILLE A. FELDTRAPPE AND RENÉ DUTFOY, OF PARIS, FRANCE.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. 40,254, dated October 13, 1863.

To all whom it may concern:

Be it known that we, ACHILLE AUGUSTE FELDTRAPPE and RENÉ DUTFOY, of Paris, in the Empire of France, have invented a new and Improved Button; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a back view of the button. Fig. 2 is a central section of the same in the plane indicated by the line *xx* in Fig. 1. Fig. 3 is a side view of the same at right angles to Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in a button without either a projecting shank or any hole through its face, but having its attachment to a garment provided for by means of a hole or tunnel passing transversely through the body.

This button may be made of porcelain or other ceramic material, or of any substance which is sufficiently plastic under certain conditions to enable it to be molded in molds, or formed by pressure in dies to the desired shape, and may be manufactured in one piece by any molding or pressing machinery or apparatus adapted to the manufacture of such materials or substances. It may be of various forms externally, but we prefer to make its back of spheroidal form, as that form is best adapted to the proper arrangement of the hole or tunnel *a*, which extends transversely and centrally through it. At each end of the hole or tunnel *a* there is formed in the back a cavity, *b*, of a width and depth greater than the diameter of the hole or tunnel, the objects of

such cavities being to facilitate the passage of the needle through the hole *a*, and to form in rear of the said hole a narrow shank, *c*, for the attaching-thread to pass around. This shank, however, it will be observed, does not project beyond the back of the body of the button, which is thus allowed to lie closer against the garment than an ordinary shank-button, while it presents a neater appearance than a button whose face is perforated.

To attach the button, the threaded needle is passed through the cloth or other material and through the hole *a* alternately, in the same manner as in sewing on a shank-button.

Though we prefer generally to make the button all in one piece, it may be practicable, and even desirable for some purposes, to make the hole *a* and shank *c* wholly or partly of a separate piece of similar material to the rest of the button, and unite said piece with the body by fusion in the baking process, or by other means, according to the nature of the substance of which the button is composed.

We do not claim making a button with a bar formed in its back as a substitute for a shank; but

What we claim as our invention, and desire to secure by Letters Patent, is—

A button of porcelain or other material, without either a projecting shank or any hole in its face, but having a hole or tunnel extending transversely through the back part of its body, substantially as herein specified.

ACHILLE FELDTRAPPE.
R. DUTFOY.

Witnesses:

J. W. BROOKS,
E. SHERMAN GOULD.