

No. 817,311.

PATENTED APR. 10, 1906.

W. H. FORSYTH.
BUTTON.

APPLICATION FILED SEPT. 10, 1903.

Fig. 1.

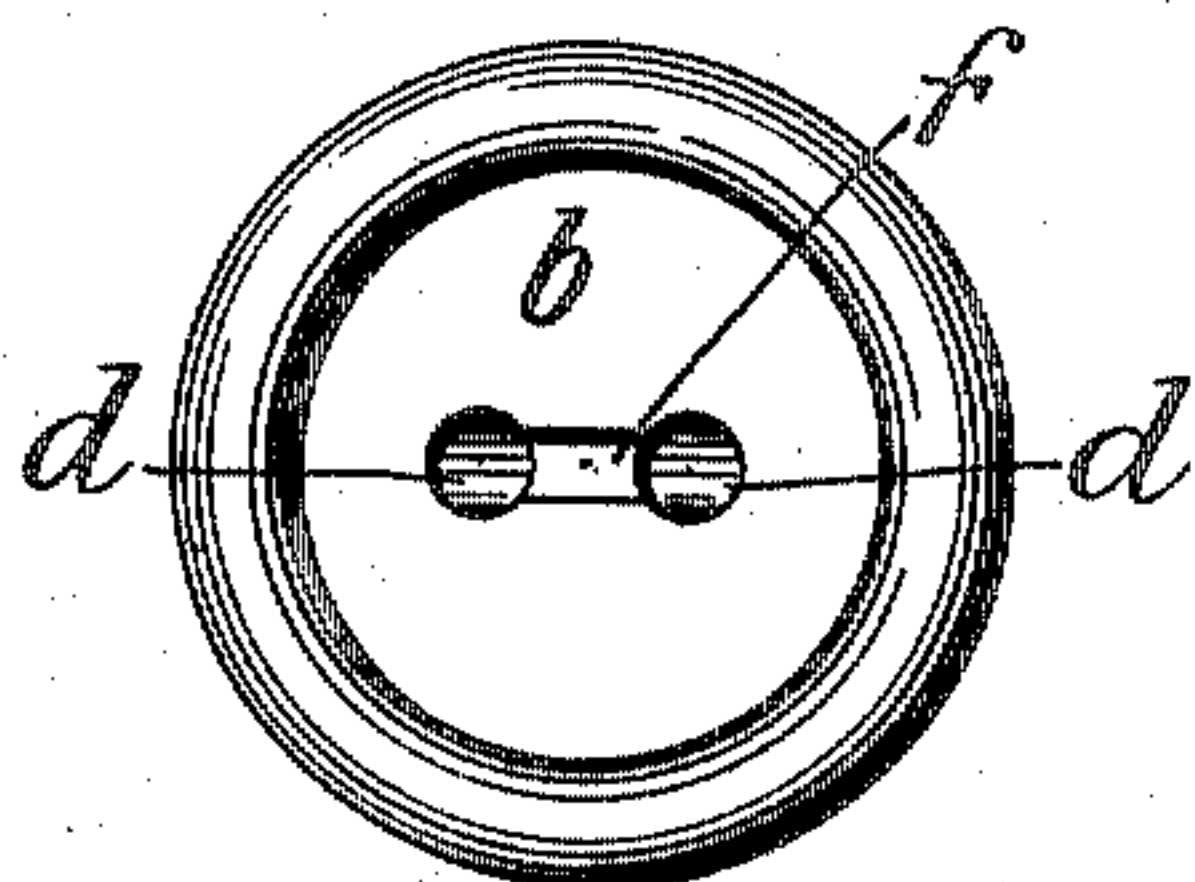


Fig. 2.

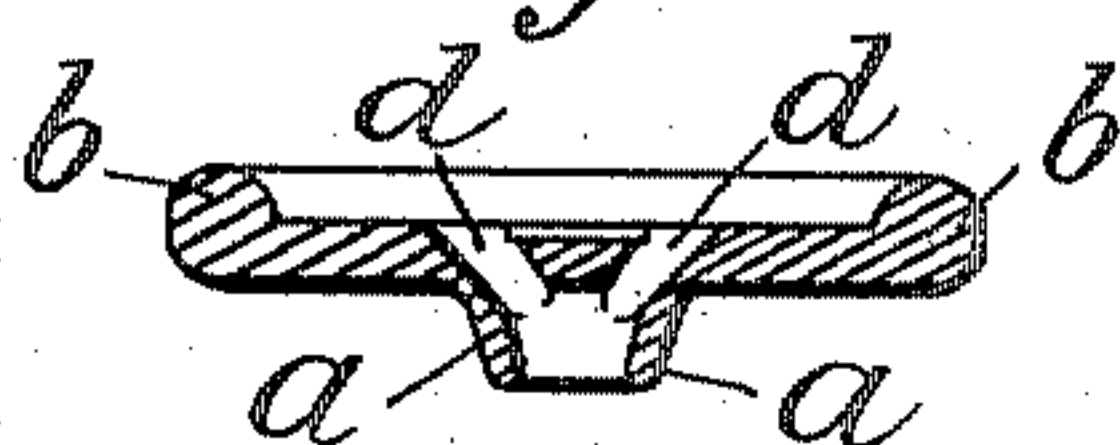


Fig. 3.

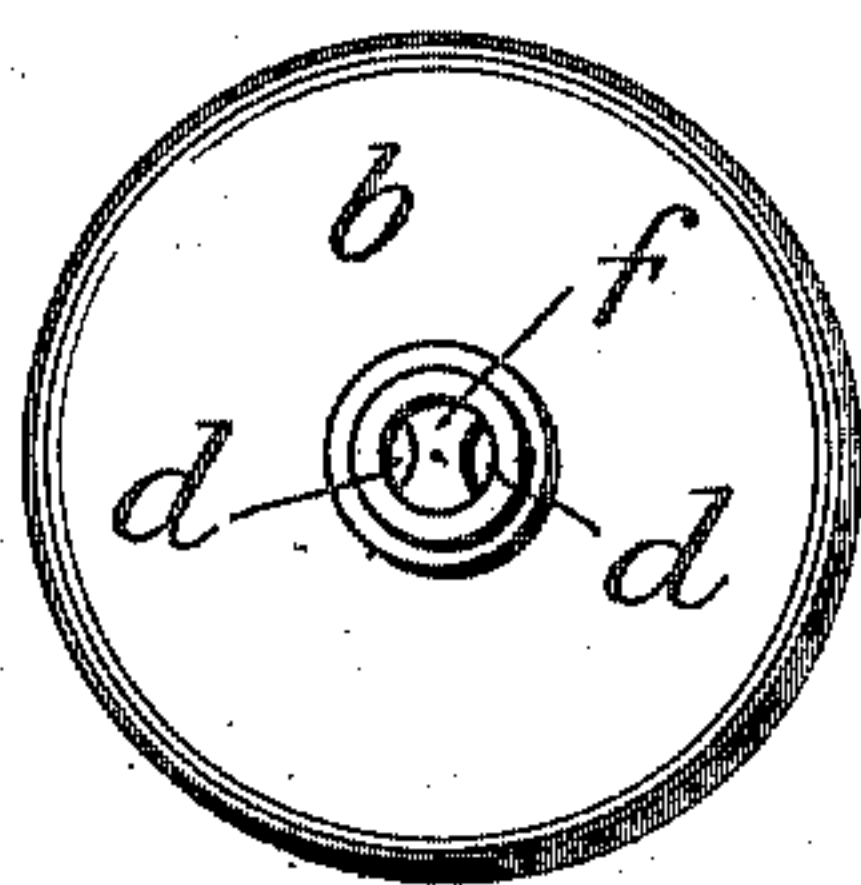
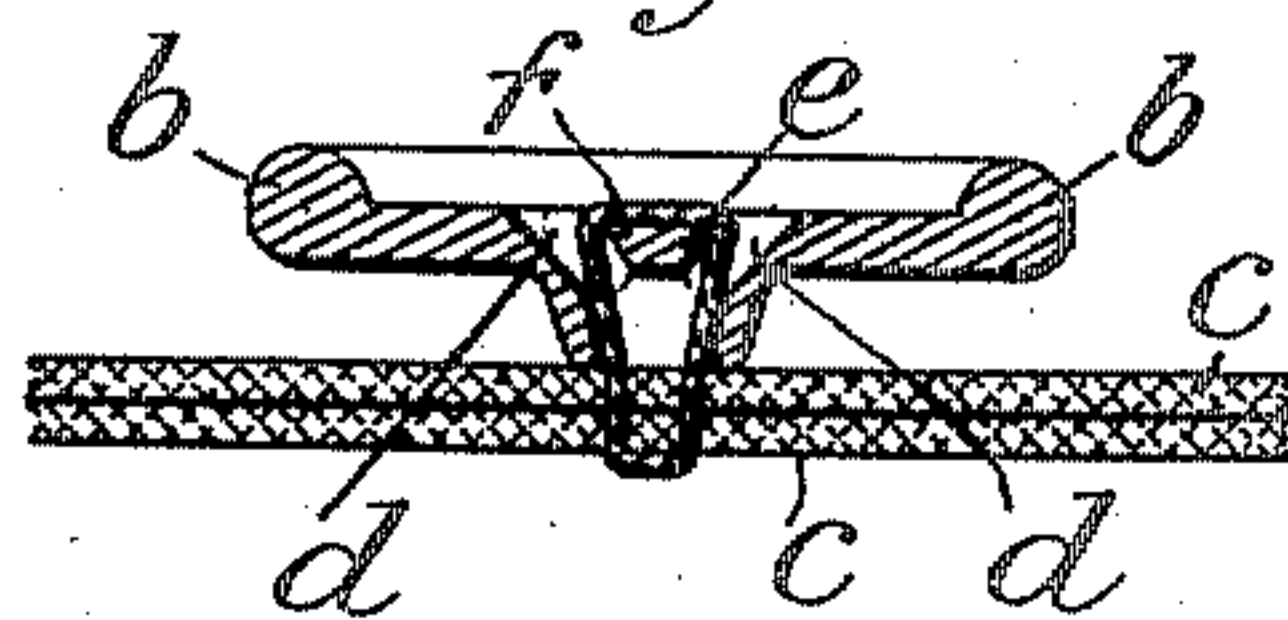


Fig. 4.



WITNESSES.

Samuel Percival
Albert Jones

INVENTOR.

William Hamilton Forsyth
By his Attorneys.
Wheatley & McKenzie.

UNITED STATES PATENT OFFICE.

WILLIAM HAMILTON FORSYTH, OF BRISTOL, ENGLAND, ASSIGNOR TO THE
"NERCUMOFF" BUTTON COMPANY, LIMITED, OF BRISTOL, ENGLAND.

BUTTON.

No. 817,311.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed September 10, 1903. Serial No. 172,631.

To all whom it may concern:

Be it known that I, WILLIAM HAMILTON FORSYTH, a subject of the King of Great Britain and Ireland, residing at 15 St. James' Barton, Bristol, England, have invented certain new and useful Improvements in Buttons; and I do hereby 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.

This invention, which relates to buttons, consists in improvements therein, as set forth below.

In a button made in accordance with this invention the shank, which is made in one piece with the head, is a truncated cone, decreasing in diameter from the back of the head to the end of the shank, which comes next the fabric when the button is attached thereto. The perforations in the head, through which the attaching-thread is sewed, open into inclined channels, which approach each other as they extend back in the shank, the rear part of which is tubular. The thread by which the button is secured to the fabric is passed through the channels in the button and through the fabric.

Referring to the accompanying drawings, Figure 1 represents a face view, and Fig. 2 a section, of a button made in accordance with this invention. Fig. 3 is a back view, and Fig. 4 is a sectional view illustrating the attachment of the button to a piece of cloth or other fabric.

The tubular shank *a*, which is made in one piece, of vulcanite, bone, or other suitable substance, with the head *b*, extends back therefrom as a truncated cone, decreasing in diameter from the back of the head to the rear end of the shank, which lies against the fabric *c*, as seen more particularly at Fig. 4. The passages or channels *d* for the thread *e* are inclined toward one another as they extend back in the shank. This disposition of the thread-passages approaching one another as they extend back enables the shank to be

made tapered, as shown. The tapered form enables the shank to be kept down to a size which does not unduly spread and keep open buttonholes in garments and other fabrics. The shank can be kept down to a neat and convenient size and still preserve sufficient strength for secure attachment and withstanding strain in use.

In sewing the button onto a fabric the thread, as seen at Fig. 4, is passed through the fabric and through the channels *d* and over the bridge-piece *f*, which separates them.

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

1. The herein-described one-piece button consisting of a head provided with a peripheral bead, a depressed upper surface, a tapering shank projecting from the back of the head, and provided with thread-openings, a bridge-piece formed between the thread-openings, the latter converging within the shank, said bridge-piece being on a plane below the depressed upper surface of the button-head, and the shank being hollow below the bridge, essentially as described.

2. A one-piece button comprising a head, a tapering shank projecting from the back of the head and provided with thread-openings, a bridge-piece formed between the thread-openings, the latter converging within the shank, said bridge-piece being on a plane below the upper surface of the button-head, and the shank being hollow below the bridge.

3. A one-piece button consisting of a head, a tapering shank projecting from the back of the head and provided with thread-openings, a bridge-piece formed between the thread-openings, the latter converging within the shank, and the shank being hollow below the bridge, substantially as described.

In testimony whereof I have affixed my signature in presence of two witnesses.

WILLIAM HAMILTON FORSYTH.

Witnesses:

JOS. J. TAYLOR,
LORIN A. LATHROP.