

No. 765,758.

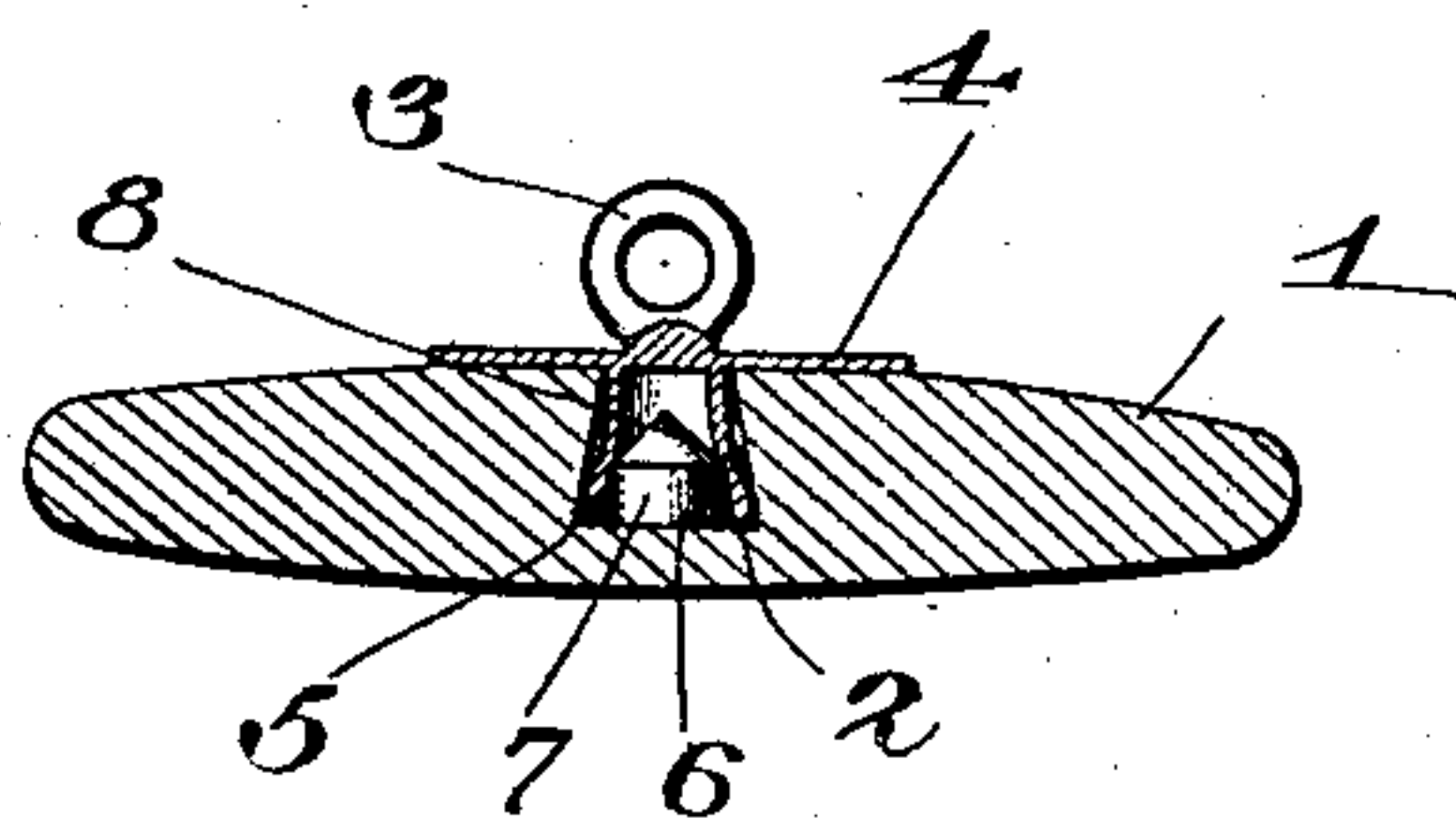
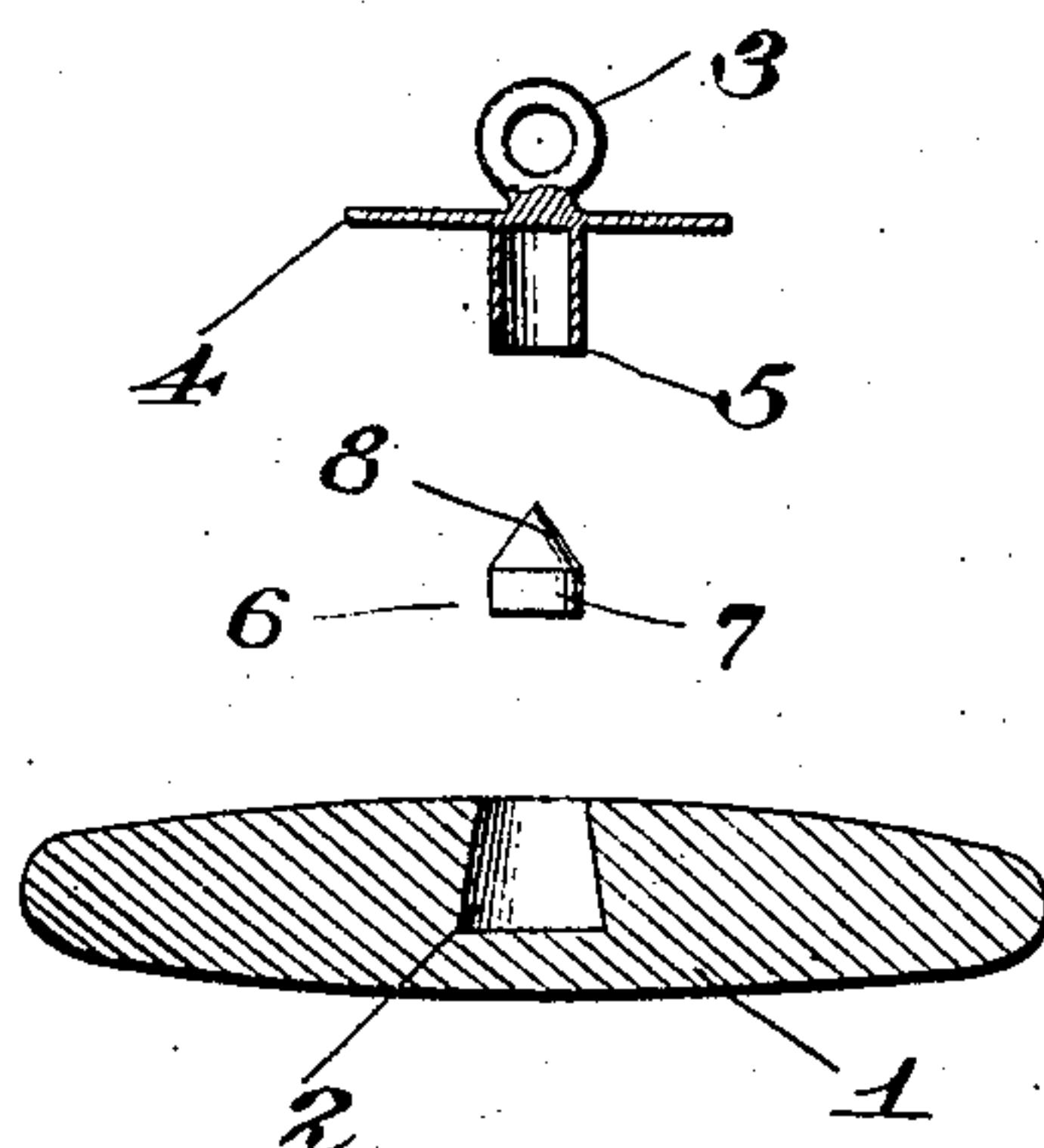
PATENTED JULY 26, 1904.

L. VOTROUBEK.  
BUTTON.

APPLICATION FILED APR. 8, 1904.

NO MODEL.

*Fig. 1.*



*Fig. 2.*

Witnesses:

*E. J. Stewart*  
*R. M. Elliott*

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by *C. A. Snow & Co.* Attorneys.

# UNITED STATES PATENT OFFICE.

LOUIS VOTROUBEK, OF COLUMBUS JUNCTION, IOWA.

## BUTTON.

SPECIFICATION forming part of Letters Patent No. 765,758, dated July 26, 1904.

Application filed April 8, 1904. Serial No. 202,230. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS VOTROUBEK, a citizen of the United States, residing at Columbus Junction, in the county of Louisa and State of Iowa, have invented a new and useful Button, of which the following is a specification.

This invention relates to buttons.

The object of the invention is without the employment of solder to effect positive assemblage of the shank with the button in such manner as to render it practically impossible to separate it therefrom without breakage of one or both of the parts; furthermore, to provide a ready means by which a pin may be associated with the button.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists, generally stated, in a button having an undercut or cone-shaped socket, a shank having a sleeve, and a wedge or block adapted to fit within the socket and to swage the sleeve therein when pressure is applied to the latter.

The invention consists, further, in a button of frangible material and provided with an approximately cone-shaped socket, a plate carrying an attaching device and provided with a sleeve of the same external diameter as the neck of the socket, and a cone-shaped wedge or block of greater diameter than the orifice in the sleeve and adapted when pressure is applied to the plate to swage or upset the sleeve within the button-socket, and thus firmly assemble the parts.

The invention consists, further, in a button provided with an approximately cone-shaped socket, a plate carrying on one side an eye and on the opposite side a sleeve, the latter being substantially of the same diameter as the neck of the orifice, and a block adapted to rest within the socket and having a cylindrical portion and a cone-shaped portion, the latter operating to upset or flare the sleeve within the socket when pressure is applied to the plate.

The invention consists, further, in the various novel details of construction of a button, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like characters of reference indicate corresponding parts, there is illustrated one form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the elements therein exhibited may be varied or changed as to shape, proportion, and exact manner of assemblage without departing from the spirit thereof, and in these drawings—

Figure 1 is a view in elevation, partly in section, exhibiting the parts of the button separated. Fig. 2 is a similar view showing the parts of the button assembled.

While the improvements of the present invention are adapted for employment in connection with buttons made of any material, they are particularly designed for use in connection with pearl buttons, with which it is practically impossible to assemble a shank or eye in a stable manner without drilling entirely through the button and upsetting the shank on the outer side.

By the novel fastening device of this invention the shank is so firmly associated with the button that it is practically impossible without breaking one or the other to effect their disconnection when once assembled.

Referring to the drawings, 1 designates an ordinary pearl button the inner side of which is provided at its center with an approximately cone-shaped socket 2, which may be of any desired size and depth.

The device for attaching the button in position upon a garment comprises an eye 3, which is soldered or otherwise secured to a disk 4, carrying on its under side a shank or sleeve 5, which is of substantially the same diameter as the neck of the socket 2, it being understood, of course, that the eye and shank are assembled with the disk 4 before the latter is combined to a button.

The means for assembling the sleeve with the button comprises a wedge or block 6, the lower portion 7 of which is cylindrical and the upper portion 8 cone-shaped, the cylindrical portion of the block being somewhat greater than that of the internal diameter of the bore of the sleeve and of the same diameter, or ap-



proximately so, as the smaller end of the socket 2.

In assembling the attaching device with the button the wedge or block is first disposed  
5 within the socket and the sleeve is then placed over the cone-shaped end of the block and pressure is applied to the disk, whereupon by contact with the conical portion 8 the sleeve  
10 will be flared and upset and be caused to fill the space between the block and the lateral walls of the orifice and bear against the latter, so that a union between the parts of the greatest stability is secured. Owing to the fact  
15 that no impact is employed in upsetting the sleeve, but only a steady pressure, there will be practically no danger of fracturing the button.

While the invention has been described as employed in connection with buttons made of  
20 frangible material, it is to be understood that the invention is not limited thereto, as the device may be used in connection with buttons made from any material and still be within the scope of the invention.

25 While the device of this invention is exceedingly simple of construction, it will be found of the highest efficiency in use and will effect the firm assemblage of the shank with a pearl button without drilling entirely  
30 through the latter.

Having thus fully described the invention, what is claimed is—

1. A button having an undercut or cone-shaped socket, a shank having a sleeve, and a

wedge or block separate from the shank adapted to fit within the socket and to swage the sleeve therein when pressure is applied to the latter. 35

2. A button of frangible material and provided with an approximately cone-shaped  
40 socket, a plate carrying an attaching device and provided with a sleeve of the same external diameter as the neck of the socket, and a cone-shaped wedge or block separate from the sleeve and having its largest part of greater  
45 diameter than the orifice in the sleeve and adapted when pressure is applied to the plate to swage or upset the sleeve within the button-socket and thus firmly assemble the parts.

3. A button provided with an approxi-  
50 mately cone-shaped socket, a plate carrying on one side an eye and on the opposite side a sleeve, the latter being substantially of the same diameter as the neck of the orifice, and a block separate from the sleeve and adapted to  
55 rest within the socket and having a cylindrical portion and a cone-shaped portion, the latter operating to upset or flare the sleeve within the socket when pressure is applied to the plate. 60

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

LOUIS VOTROUBEK.

Witnesses:

S. H. LANE,

G. N. BRENNEMAN.