No. 785,261. PATENTED MAR. 21, 1905.

F. J. LOWERY.

BUTTON.

APPLICATION FILED JULY 9, 1904.

Fig. 3.

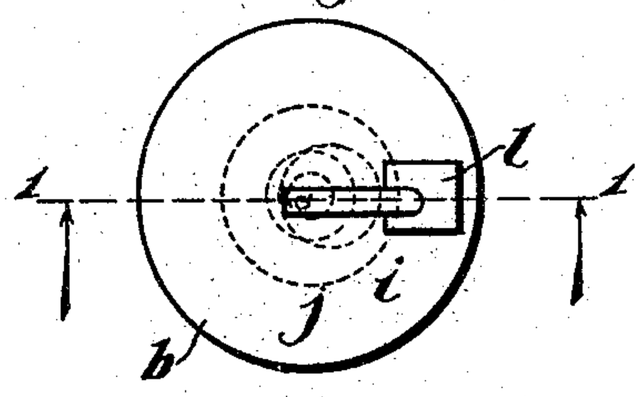


Fig. 4.

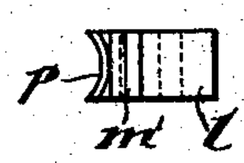


Fig. 1.

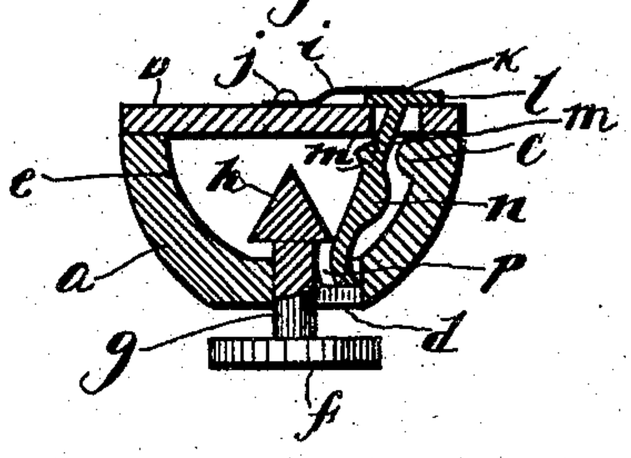
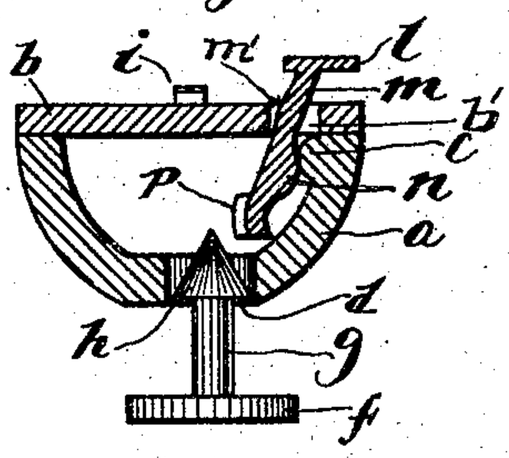


Fig. 2.



Witnesses:
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Atty.

No. 785,261. Patented March 21, 1905.

UNITED STATES PATENT OFFICE.

FRANK J. LOWERY, OF FORT FAIRFIELD, MAINE.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 785,261, dated March 21, 1905.

Application filed July 9, 1904. Serial No. 215,931.

To all whom it may concern:

Be it known that I, FRANK J. LOWERY, a citizen of the United States, residing at Fort Fairfield, in the county of Aroostook and State of Maine, have invented certain new and useful Improvements in Buttons, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to that class of buttons that are known as "self-attaching," and are made to be attached to pants and other garments, although they may be employed in connection with collars, cuffs, or sleeves.

The object is to provide a simple, durable, and cheap article of this character that may be readily attached to or removed from the garment and that can be accommodated to the various thicknesses of the article to be held, the button having all the advantages of separable and swinging-head buttons and being without the worst objection to the former—namely, the liability of the members becoming separated and lost.

The invention consists in the combination of elements and in certain parts of construction entailed in the combination of said elements to obtain the desired result.

A full understanding of the invention can best be given by a detailed description of a preferred construction embodying the various features of the invention, and such a description will now be given in connection with the accompanying drawings, and I attain my object by the mechanism there illustrated showing such preferred construction, and the features forming the invention will then be specifically pointed out in the claims.

In the drawings, Figure 1 is a longitudinal sectional view on the line 1 1 of Fig. 3 of the improved button when the parts are locked. Fig. 2 is another longitudinal section with the parts unlocked. Fig. 3 is a plan view of the same with the parts locked. Fig. 4 is a plan view of the locking-slide.

Latitude is allowed herein as to details, as they may be changed or varied at will without departing from the spirit of my invention and the same yet remain intact and be protected.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

In the embodiment illustrated the body portion *a* is hollowed out for receiving the male member of the button and the locking slide or latch *m* and is provided at its lower portion with an opening *d*, set to one side and extending through its lower face, but which is large enough for the collar or head *h* on the shank *g* to pass through. The body portion *a* is provided with the crown plate or disk *b*, having an opening *b'*, through which extends the locking slide or latch *m*. The latch *m* has a head *l*, which is sufficiently large enough to prevent the latch from entirely slipping down within the cavity in the body portion, and when the latch is in its normal locking position locking the male and female members of the button together the head *l* is resting upon the outer side of the disk *b* and could be held firmly in place by a spring *i* pressing on its outer surface, which spring *i* is attached to the disk by the pivot-pin *j*. When it is desired to unlock the button, the spring *i* is turned from off the head *l* and the thumb-nail inserted beneath the head *l* and the head *l* and locking-slide *m* slightly raised. The locking-slide *m* is made of flexible metal, so that the projection *m'* on one side would be allowed to pass the edge of the disk *b* and up through the opening *b'*.

On the lower inner side of the locking-slide *m* is an offset *p*, concaved on its inner side, which exactly fits against the shank *g* between the two heads *f* and *h* of the male member, and when the locking-slide *m* is in locking position the lower portion of this slide has been pressed down into the opening *d*, pressing the shank *g* to one side so that the offset *p* presses against the shank *g* and the lower edge of the collar *h* rests upon the upper portion of the offset and is held firmly in position. It is desirable also that the lower portion of the locking-slide *m* be slightly curved outward, as clearly shown in Fig. 2, to more firmly press the offset *p* against the shank *g*. On the opposite side of the locking-slide *m* from the offset *p* and the projection *m'* is a detent *n*, which is about intermediate between the projection

m' and the offset p and is arranged to come in contact with the projection c upon the inner side of the body portion a when the thumb-nail has pressed the locking-slide m upward so as to prevent the locking-slide from being withdrawn entirely from the body portion a; but the detent n and the projection c are so arranged as to allow the locking member being entirely withdrawn from the head h of the male member. The male member consists of a disk portion f, a shank g, and a head or collar portion h, preferably pointed to allow this member to be inserted through a hole made in the cloth. The body portion a may be of any desirable form when used upon pants to properly hold the suspenders.

It is to be understood that my invention is not limited to the specific details of construction shown in the accompanying drawings, but that said details may be varied in the practical carrying out of my invention. It is also to be understood that the combinations specifically set forth in the several claims are intended to be separately claimed without limitation to the use in connection therewith of other features and details of construction illustrated.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a button, a body portion, a shank member inserted through an opening in the base of the body portion, a locking-slide inserted in the body portion through an opening in its top and having an offset in contact with the head of the shank member, said locking-slide adapted when in locking position to entirely close the openings in the body portion, substantially as shown and described.

2. In a button, the combination with a shank member of a head member for receiving the shank, a latch partly inserted within the head, and having a flattened head normally in contact with the outer side of the head member, a spring pivoted upon the head and pressing against the flattened head of the latch for holding the latch in locking position, substantially as shown and described.

3. In a button, the combination with a body portion, one side of which is a flat disk, of a pin having a pointed head inserted within the body portion, a latch inserted through the disk for holding the pin in locking position and provided with a series of projections for holding it within the disk when withdrawn from contact with the pin, substantially as shown and described.

4. A button consisting of a male member provided with a pointed head, a female member for receiving the head, a latch provided with projections and arranged to hold the members in locking position, a detent on the inner side of the female member for engaging one of the projections on the latch, and a pivoted spring for holding the latch in locking position, substantially as shown and described.

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

FRANK J. LOWERY.

Witnesses:
CHARLES F. A. SMITH,
MARTHA E. GOODING.