

(No Model.)

R. H. LEWIS.
BUTTON.

No. 426,999.

Patented Apr. 29. 1890.

Fig. 1.

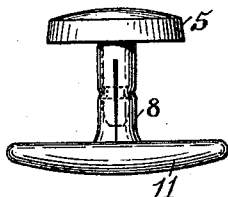


Fig. 2.

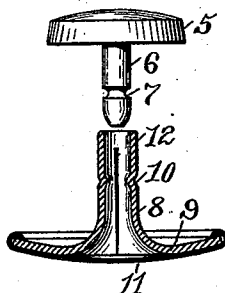


Fig. 3.

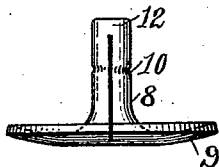
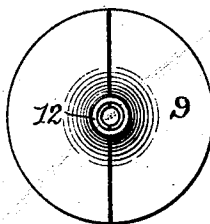


Fig. 4.



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

RUSSELL H. LEWIS, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO ALBERT EDDY, OF SAME PLACE.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 426,999, dated April 29, 1890.

Application filed August 5, 1889. Serial No. 319,786. (No model.)

To all whom it may concern:

Be it known that I, RUSSELL H. LEWIS, of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Buttons, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to an improvement in the construction of the class of separable buttons in which the shank of the head of the button is inserted into the split tubular shank of the button and held by the resilience of the split tubular shank.

The invention consists in the novel construction by which the tubular end of the shank is made solid and the split end of the shank is secured in the button, as will be more fully set forth hereinafter.

In detachable buttons in which the tubular shank is split, so as to yield to the ball or pear shaped end of the post or shank on the head, the split tube soon enlarges, so that the post will not be firmly held in the same, and the slit opens, so as to destroy its utility.

The object of this invention is to strengthen the tubular shank, so that it cannot be enlarged by use, and also to strengthen the split portion of the same, so as to limit the opening of the slit by use.

Figure 1 is a side view of my improved button. Fig. 2 is a view of my improved button, the two parts being shown one above the other, the back portion carrying the tubular shank being shown in section. Fig. 3 is a view of the tubular shank having the flattened base, and Fig. 4 is a bottom view of the base of tubular shank.

In the said drawings like numbers of reference designate corresponding parts throughout.

Referring to the drawings, 5 designates the head of the button; 6, the solid post, which is secured to the head in any suitable manner or may form part of the head. The post is provided with the annular groove 7, or in place thereof a ball or pear shaped head may

be formed on the post. The tubular shank 8 is split by sawing longitudinally from the rear to near the front end of the shank, so as to leave this front end a solid tube 12. The annular groove 10 is formed on the tubular shank 8 by forcing the metal inward, and thus producing an inward-projecting annular rim. The split end of the tubular shank may now be secured in the disk 9, forming the button; or the tubular shank 8 and disk 9 may be formed in one piece, as is shown in the drawings, and the cut sawed into the tubular shank may also be made in the disk 9, as is shown in the drawings, and the disk secured in the cap 11 by spinning the cap over the edge of the disk 9. By thus securing the split end of the tubular shank a stronger hold is secured when the post is forced into the tubular shank, as both ends of the split tubular shank are firmly held against spreading, the open unsplit end 12 of the tubular shank cannot bend out like the split tubular shank as heretofore constructed, and the button when united is more firmly held. A separable button of this construction is more durable and convenient in use.

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

1. A separable button consisting of a head provided with a post having an annular groove near its end, a disk provided with a tubular shank having an annular interior projection, the disk and tubular shank being split to near the end of the shank, and a cap inclosing the split disk, as described.

2. The combination, with the disk 9 and the split tubular shank 8, formed with the contraction 10 and having the solid tubular portion 12 at its forward end, of the cap 11 and the head 5, provided with the post 6, constructed to enter the tubular shank to secure the parts together, as described.

RUSSELL H. LEWIS.

Witnesses:

J. A. MILLER, Jr.,
M. F. BLIGH.