(Model.)

C. L. WATSON.

SLEEVE BUTTON.

No. 250,022. Patented Nov. 22, 1881.

Fig 1

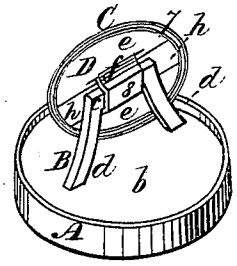


Fig 2

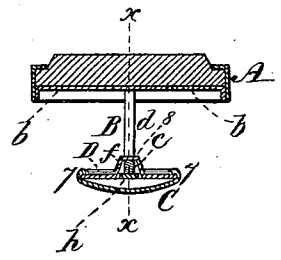


Fig 3

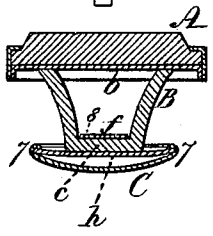


Fig 5

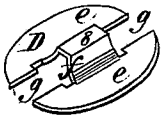


Fig 4

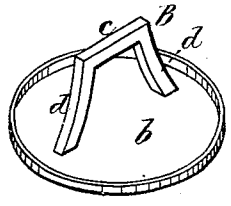
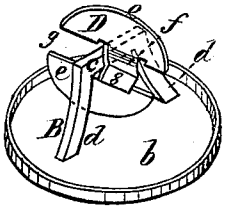


Fig 6



WITNESSES

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UNITED STATES PATENT OFFICE.

CLARENCE L. WATSON, OF ATTLEBOROUGH, MASSACHUSETTS, ASSIGNOR TO WATSON & NEWELL.

SLEEVE-BUTTON.

SPECIFICATION forming part of Letters Patent No. 250,022, dated November 22, 1881.

Application filed August 15, 1881. (Model.)

To all whom it may concern:

Be it known that I, CLARENCE L. WATSON, a citizen of the United States, residing at Attleborough, in the county of Bristol and State of Massachusetts, have invented certain Improvements in Sleeve-Buttons, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view (enlarged) of a sleeve-button constructed in accordance with my invention, the shoe being turned so as to lie parallel with the post. Fig. 2 is a vertical section through the same, with the shoe turned at right angles to the post. Fig. 3 is a vertical section on the line *x x* of Fig. 2. Fig. 4 is a perspective view of the post and its plate detached. Fig. 5 is a perspective view of the looped connecting-plate of the shoe detached. Fig. 6 is a view illustrating the manner of introducing the looped connecting-plate within the post.

My present invention relates to that class of sleeve-buttons in which the shoe is pivoted or hinged to the post in such manner as to admit of its being turned into a position parallel therewith to facilitate the insertion or removal of the button.

In sleeve-buttons of this description the flat post has heretofore been made with a square opening, the metal being sawed through at the outer end of the post, to allow the loop of the inner plate of the shoe to be inserted in order to form the hinged joint. This method of cutting through the flat post to admit the loop of the inner plate of the shoe is, however, objectionable, as it impairs its strength, and also increases the labor required in putting the parts together.

My invention has for its object to overcome these difficulties; and it consists in a sleeve-button provided with a post made without a cut or division, and having two diverging legs or side bars and a cross-bar, by which construction sufficient space is afforded between the legs for the introduction to its proper place of the looped connecting-plate, which is afterward attached to the inner side of the shoe in the usual manner, the necessity of cutting through the post being thus avoided, and the strength and durability of the button thereby increased, while the parts can be more conveniently, easily, and cheaply put together than heretofore.

My invention also consists in making the top of the loop of the inner plate of the shoe flat, in order that it may have a firm and square bearing upon the under side or side of the cross-bar of the post, which causes the shoe to be held by the spring employed for the purpose more securely in place, thus preventing play or rattling of the parts.

In the said drawings, A represents the front portion of a sleeve-button, to the inner or back plate, *b*, of which is soldered the post B, which is struck up from a single piece of metal, and is composed of a cross-bar, *c*, and two legs or side bars, *d d*, which diverge as they approach the plate *b*.

C is the shoe, within which is secured, by rolling over the edge 7 in a well-known manner, the inner connecting-plate, D, which is struck up in the form shown in Fig. 5, being composed of two portions, *e e*, united by a loop, *f*, whereby a space, *g*, is left between the two portions *e e*.

h is a flat metal spring, which, when the shoe C is secured to the post B, lies within the space *g* of the plate D, and serves to hold the shoe firmly in place when in either of the positions seen in Figs. 1 or 2, the spring yielding against the pressure of the corner of the cross-bar *c* when the shoe is turned on its joint.

To insure the firm holding of the shoe in place and effectually prevent play or looseness of parts, the top S of the loop *f* is made flat, so that it will have a firm square bearing against the adjacent surface of the cross-bar *c* when the shoe is turned up or down.

By constructing the post B with legs or side bars, *d d*, diverging from the cross-bar *c* to the plate *b*, sufficient space is afforded to allow of the passage of the corners of the plate D in the operation of introducing it within the post and hooking the loop *f* over the cross-bar *c* in the manner shown in Fig. 6, which it would be impossible to do if the legs *d* extended in a straight line from the cross-bar to the plate, as there would not then be sufficient space for the purpose, and consequently the necessity of cutting through the cross-bar and spread-

ing the portions apart to admit the loop *f* and then closing them again is avoided, while the strength of the post by my improved construction is left unimpaired and the operation of putting the parts together greatly facilitated, thus reducing the cost of manufacture, and at the same time rendering the button much more durable than heretofore.

In the operation of putting the parts together the plate D is first introduced between the legs *d d* of the post B, as seen in Fig. 6, and then turned so as to bring the bar *e* within the loop *f*, after which the spring *h* is laid upon the bar *e* so as to occupy the space *g*, when both the plate and spring are applied to and secured within the shoe C by rolling over the edge 7, as previously described.

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

In a sleeve-button, the front portion, A, the shank B, having diverging legs, and the square bar *e*, formed at their outer ends, in combination with the disk-plate D of the shoe C, having the flattened loop 8, and the oppositely-arranged slots *g g*, contiguous to the said loop, and the spring *h*, the whole constructed substantially as described, whereby, by the peculiar formation of the disk-plate D, the diverging shank may be first soldered to the button, and the shoe C afterward secured in place.

Witness my hand this 11th day of August, A. D. 1881.

CLARENCE L. WATSON.

In presence of—
E. Y. PRATT,
H. E. GILMORE.