June 30, 1925

F. H. MODRELL

1,543,785

CUFF BUTTON

Filed Feb. 14, 1925

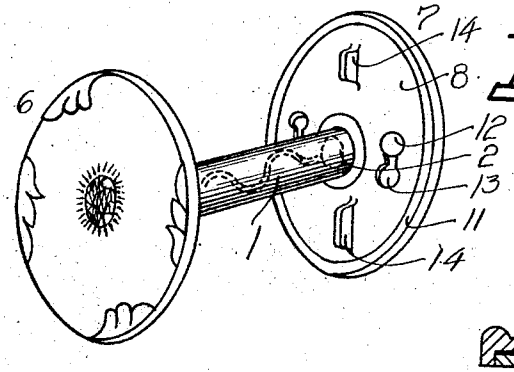
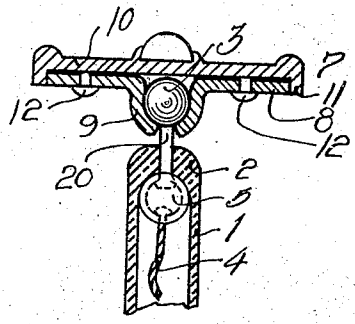


Fig. 1



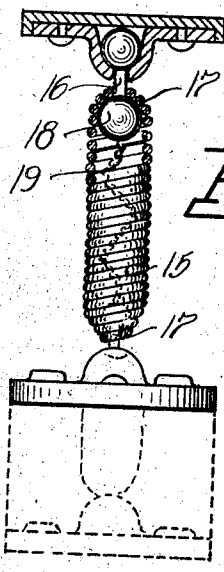


Fig. 2

Fig. 3

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UNITED STATES PATENT OFFICE.

FRED H. MODRELL, OF SPOKANE, WASHINGTON, ASSIGNOR OF ONE-HALF TO WILLIAM J. DOUST, OF SPOKANE, WASHINGTON.

CUFF BUTTON.

Application filed February 14, 1925. Serial No. 9,313.

To all whom it may concern:

Be it known that I, FRED H. MODRELL, a citizen of the United States, residing at Spokane, in Spokane County and State of Washington, have invented certain new and useful Improvements in Cuff Buttons, of which the following is a specification.

My present invention relates to improvements in cuff buttons of the link type. The primary object of the invention is the provision of a device of this character having an elastic connection between the button-heads to insure convenience and facility in slipping the buttoned cuff over the hand. By the utilization of my improved cuff button the cuffs, when buttoned, although smaller than the hand, may yet be slipped over the hand without danger of straining, tearing, or marring the shape of the laundered cuffs. Thus when putting on a shirt with attached cuffs on its sleeves, the wearer may button the cuffs before putting on the shirt with the knowledge that the cuffs will slip over the hands without annoyance usually accompanying such a performance under ordinary conditions, and especially where the style requires the use of cuffs conforming to the size of the wrist rather than to the size of the hand.

The invention consists in certain novel combinations and arangements involving the use of an elastic shank and links making a flexible connection between the heads of the button, with means for limiting the separating movement of the heads, as will be hereinafter more fully set forth and claimed.

In the accompanying drawings I have illustrated two forms of the physical embodiment of my invention wherein the parts are combined and arranged in accordance with the principles of my invention.

Figure 1 is a perspective view of a cuff button embodying my invention.

Figure 2 is a plan view illustrating a different form of elastic shank, and showing some parts in section for convenience of illustration.

Figure 3 is a detail sectional view of part of the button of Figure 1.

In carrying out my invention I utilize an elastic shank or coupling bar, which as shown in Figures 1 and 3 is a tubular member 1 having perforated ends 2. The hollow shank is made of rubber or other elastic material fashioned in suitable manner to the proper size and preferably cylindrical in shape with the thickness of the perforated ends increased to reinforce or strengthen the shank to withstand wear. The shank occupies the space between the cuff-ends and is designed to permit longitudinal extension when the cuff is being slipped over the hand, and to return and retain the cuff ends to proper position after the cuff is in position about the wrist.

At each end of the shank is carried a dumb-bell link 3, these links being similar in construction and movable with the respective ends of the shank when it is extended. Excessive movement or separation of the links however is prevented by the use of a non-elastic tie or cord 4 located within the hollow shank and attached in suitable manner to the two inner heads or balls 5 of the dumb-bell links. This tie or cord is longer than the normal length of the shank, or rather longer than the normal distance between the two balls 5 of the links, and of the required length to prevent stretching of the shank beyond the prescribed limits.

When the buttoned cuff is slipped over the hand the shank is stretched to permit such movement, but the tie cord, which permits ample stretching movement, also prevents excessive stretching movement, and after the cuff has passed over the hand the elasticity of the shank pulls the cuff ends to proper position.

At the outer ends of the respective links are carried heads indicated as a whole by the numerals 6 and 7. Each head comprises an inner circular disk 8 of suitable metal or other material and provided with a central perforated socket 9 for the reception of the outer head of the dumb-bell link and it will be apparent that this ball and socket joint provides for the necessary freedom of movement between the shank and heads.

An outer plate 10 forms part of the button head and this plate may be ornamented as desired. The outer plate is larger than the inner disk and the former has an annular flange 11 fitting over the periphery or edge of the disk to insure a neat finish for the button-head. These ornamental plates are interchangeable and are detach-

able from the disks in order that they may be changed to conform to fashion requirements.

A detachable fastening means between the plate and disk may be made up of a pair of headed pins 12 projecting laterally from the inner face of the ornamental or outer plate and through the keyhole slots 13 in the disk. A pair of finger lugs 14 on the inner face of the disk may be used to turn the disk, or used to hold the disk and turn the plate, to lock these members together with the pin and keyhole slot device.

In Figure 2 where the elastic movement of the shank is indicated by dotted lines, another form of shank is illustrated as made up of a coiled, tubular spring 15 and the dumbbell links 16 which carry the button heads are anchored in the closed ends 17 of the spring over the ball 18 of the links. The tie chain or cord 19 connected to these two inner link-balls performs the same function as the tie cord 4 in the previously described cuff button.

In attaching the cuff-buttons to the cuffs, the heads of the button are of course passed through the respective button holes in the cuff ends, and that portion 20 of the shank of the dumbell link rests in the button hole. Or the socket member 9 in some instances may rest in the button hole. In either case the buttons will present an attractive and neat appearance acceptable to the well groomed wearer.

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

1. The combination in a cuff button with an elastic shank having socket ends to receive the inner ends of a dumbbell link, said links, spaced button heads, and loose connections between the outer ends of said dumbbell links and said heads.

2. The combination with an elastic hollow shank having links extending beyond its opposite ends, a tie cord within the shank connecting said links to prevent excessive stretching of the shank, and button heads loosely connected to said shank-links.

3. The combination with a hollow, rubber shank having perforated ends of increased thickness, of a dumbbell link carried at each end of said shank, a tie cord connecting said links within the shank, and a button-head loosely carried at the outer end of each link.

In testimony whereof I affix my signature.

FRED H. MODRELL.