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CUFF BUTTON

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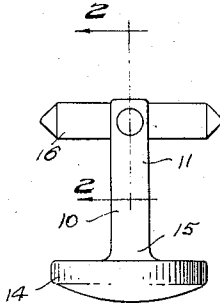


Fig. 1

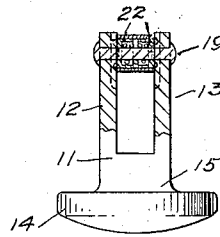


Fig. 2

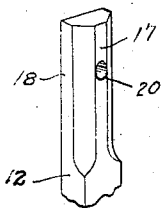


Fig. 3

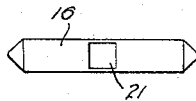


Fig. 4



Fig. 5

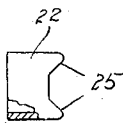


Fig. 6

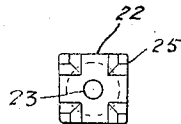


Fig. 7

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CUFF BUTTON

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9 Claims. (Cl. 24—102)

My present invention relates to cuff buttons, and has particular reference to cuff buttons which have a movable end adapted to be selectively positioned in the plane of the button body or at right angles thereto.

The principal object of the invention is to provide an improved spring latch arrangement for releasably locking the movable head in selected angular relation to the cuff button body.

Another object of the invention is to provide a latch construction for the movable head which utilizes fixed supporting standards between which the movable head is journaled.

Still another object of the invention is to provide a spring latch arrangement for the movable head which is wholly contained within the movable head.

A further object of the invention is to provide a cuff button construction of the movable head type having a small number of readily manufactured and assembled parts.

With the above and other objects and advantageous features in view, the invention consists of a novel arrangement of parts more fully described in the detailed description following, in conjunction with the accompanying drawing and more specifically defined in the claims appended thereto.

In the drawing:

Fig. 1 is an elevation of a cuff button embodying the novel invention;

Fig. 2 is a side view of Fig. 1, parts being in section on the line 2—2 of Fig. 1;

Fig. 3 is a perspective detail, partly broken away, of one journal arm;

Fig. 4 is an elevation of the movable head;

Fig. 5 is a view of a coil spring suitable for mounting in the movable head;

Fig. 6 is a side view, partly broken away, of one of the novel cup washers; and

Fig. 7 is an elevation of the cup washer of Fig. 6.

It has been found desirable to construct a cuff button of the movable head type so that all the latching mechanism for selectively releasably locking the movable head in different angular relations to the cuff button body is mounted within the movable head. To this end, I have devised a cuff button construction in which the movable head is journaled between two fixed journal arms of the cuff link body, and has spring pressed latch mechanism mounted within the movable head for selective latching engagement with the fixed journal arms.

In the drawing, the novel cuff button 10 is pro-

vided with a body portion 11, preferably in the form of a bifurcated member having two spaced arms 12 and 13. An ornamental head 14 of any desired shape and style is rigidly secured to the base 15 of the body portion, and a movable head 16 is pivotally journaled between the spaced arms 12 and 13 for selective retention in desired angular relation to the body portion 11.

Each journal arm is preferably shaped as indicated in Fig. 3, wherein the upper portion of the arm 12 is shown as provided with an inner surface 17 and beveled edges 18, and the arms 12 and 13 are rigidly connected by a hinge pin 19, see Fig. 2, which extends through suitable openings 20 in the arms, and is headed over to lock the journal arms together against separating movement.

Referring now to Figs. 4 to 7, the movable head 16 is preferably of solid construction or may be made of stamped sheet metal or other suitable material, and is formed with a centrally positioned lateral channel 21 which is preferably of square cross-section. Seated within the channel 21 at each end thereof is a cup-shaped washer 22, see Fig. 7, to seal the ends of the channel 21; the washers have suitable openings 23 for accommodating the hinge pin, and are forced apart to engage the inner surfaces 17 of the arms 12 and 13 by means of a coil spring 24 which is preferably mounted concentric with the hinge pin 19. Each washer is provided with a plurality of spaced projections or detents 25 on its outer face, the illustrated embodiment utilizing four detents which constitute latch means and are adapted to engage with the beveled sides 18 of the arms 12 and 13, which function as catch means, and to ride over the inner surface 17 of the arms against the tension of the spring 24 when the movable head is turned.

The above construction thus utilizes a very small number of parts. When the movable head 16 is positioned either at right angles to or in the same direction as the cuff button body, the detents 25 act as latch members which engage the beveled sides 18 of the arms 12 and 13, which act as catch members, and rigidly hold the movable head in place. When the movable head is manually turned, the detents ride over the beveled sides 18 and the flat inner surface 17 of the side arms, compressing the spring 24, whereby the two washers 22 move inwardly until the movable head is turned far enough to permit the detents to again snap into releasable locking engagement with the beveled sides 18.

The cuff button thus utilizes a snap action

which is wholly self-contained within the movable head, the arms of the cuff button body being rigidly retained against movement by the hinge pin, and the sides of the arms constituting catch elements cooperating with the latch detents of the movable head. If desired, the journal arms may be made without bevel edges, thus permitting a smaller size, or may be of T shape, the essential feature of the journal arms being to provide side recesses or flanges over which the washer detents may snap.

Although I have described a specific constructional embodiment of my invention, it is obvious that changes in the size, the shape, the material and the relative mounting of the parts, may be made to suit different designs for cuff buttons, without departing from the spirit and the scope of the invention as defined in the appended claims.

I claim:

1. In a cuff link, a body portion having two spaced arms at one end thereof, a head pivotally journaled between said spaced arms and having spring pressed means engageable with at least one arm for releasably retaining said second head in different selective angular relation to said arm, and a second head secured to the other end of the body portion.

2. In a cuff link, a body portion having two spaced arms at one end thereof, a head pivotally journaled between said spaced arms and having spring pressed means engageable with said arms for releasably retaining said head in different selective angular relation to said arms, and a second head secured to the other end of the body portion.

3. In a cuff link, a body portion having two spaced arms, a head pivotally mounted between said spaced arms, and spring pressed latch means comprising a washer having spaced detents mounted in said head and engageable with at least one arm for releasably retaining said head in different selective angular relation to said arm.

4. In a cuff link, a body portion having two spaced arms, a head pivotally mounted between said spaced arms, and spring pressed latch means

comprising a washer having spaced detents mounted in said head and engageable with said arms for releasably retaining said head in different selective angular relation to said arms.

5. In a cuff link, a body portion having two spaced arms, a hinge pin locking said arms in fixed parallel relationship, a head positioned between said arms, said head having a channel extending therethrough, movable cup-shaped washers seated in the ends of said channel and having spaced projecting detents engaging the sides of said arms, said washers having central openings for the hinge pin, and a coil spring mounted on said hinge pin and pressing said cup-shaped washers outwardly.

6. In combination, a body portion having spaced arms, a head pivotally mounted between said arms, and spring pressed latch means mounted in said head engageable with catch means on at least one of said spaced arms for releasably latching the head in selected angular relation to said body portion.

7. In combination, a body portion having spaced arms, a head pivotally mounted between said arms, and spring pressed latch means comprising an element having detents, said detents being selectively engageable with catch means on at least one of said spaced arms for releasably latching the head in selected angular relation to said body portion.

8. In combination, a body portion having spaced arms, a head pivotally mounted between said arms, said head having a channel therethrough, and spring pressed latch elements in said channel selectively engageable with the sides of said arms for releasably latching the head in selected angular relation to said body portion.

9. In combination, a body portion having spaced elements with sides, a head pivotally mounted between said elements, and spring pressed latch means mounted in said head comprising detents selectively engageable with the sides of the body portion elements for releasably latching the head in selected angular relation to said body portion.

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