Oct. 24, 1939. R. M. SCHUPBACH 2,177,443

CUFF LINK

Filed Jan. 20, 1938

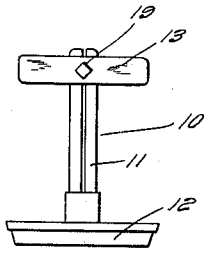


Fig. 1

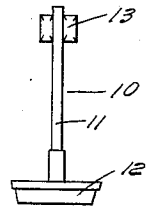


Fig. 2

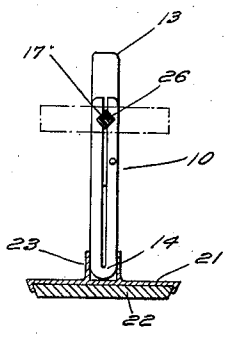


Fig. 3

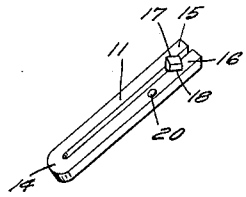


Fig. 4

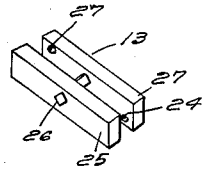


Fig. 5

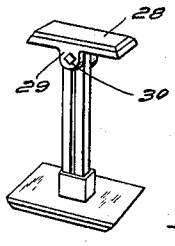


Fig. 6

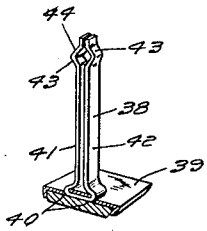


Fig. 9

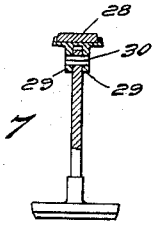


Fig. 7

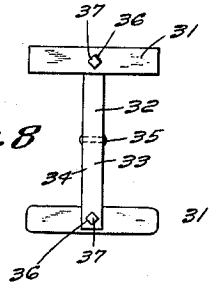


Fig. 8

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CUFF LINK

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Application January 20, 1938, Serial No. 185,894

11 Claims. (Cl. 24—102)

My present invention relates to the jewelry art and has particular reference to an improved construction for cuff links.

It is the principal object of my invention to simplify the construction and the manufacture of a cuff link by utilizing parts which are readily manufactured and assembled.

It is a further object of my invention to provide a novel construction for a cuff link body which can be stamped out of wire or sheet stock.

It is an additional object of my invention to provide a cuff link which is easily insertable into the cuff of the wearer and which is pleasing in appearance.

With the above and other objects and advantageous features in view, my invention consists of a novel arrangement of parts more fully disclosed 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 a front elevation of a preferred form of cuff link embodying the present invention; and

Fig. 2 is a side elevation thereof;

Fig. 3 is a vertical section of Fig. 1 showing the movable head in alternative positions;

Fig. 4 is a perspective view of the shank;

Fig. 5 is a perspective view of the movable head;

Fig. 6 is a perspective view of a modified form of cuff link;

Fig. 7 is a vertical section of the form shown in Fig. 6;

Fig. 8 is a front elevation, partly in section, of another modified form; and

Fig. 9 is a perspective view of a modified form of shank.

It has been found desirable to form a cuff link body which utilizes stamped metal, whereby the cost of production is greatly reduced, and which has a movable head adapted to snap and yieldingly lock into a position parallel to the shank and at right angles thereto, to provide for easy insertion into a cuff and to prevent inadvertent separation of the link from the cuff.

As shown in the drawing, the novel cuff link 10 includes a shank 11 having an ornamental head 12 at one end thereof, a movable head 13 being pivoted at the other end thereof and being selectively movable to a position at right angles to the shank 11 and parallel therewith.

The shank 11 is preferably formed of sheet metal or wire of substantially rectangular cross section reentrantly bent upon itself, as shown in Fig. 4, to form a U-shaped end portion 14 and resilient arms 15 and 16 which are substantially rigid and will resist pressure tending to move them apart. Adjacent the free ends of the shank 11, the arms 15 and 16 have V-shaped cutout portions 17 and 18 positioned to face each other to form a rectangular journal opening 19. One of the arms, 16, may be provided on its face at a point hereinafter to be determined, with a detent 20.

The ornamental end 12 comprises a flanged plate 21 in which an ornamental stone 22 is mounted in the conventional manner. On the back of the plate 21, in the center thereof, a socket 23 is fixed by means of soldering, rivetting, or any other suitable means, into which the U-shaped end 14 of the shank 11 may be anchored, and soldering if desired.

The head 13 comprises two spaced parallel bars 24 and 25, preferably rectangular in shape and mounted on a rectangular pivot bar 26, the ends of the pivot bar 26 being spread to prevent the bars 24 and 25 from sliding off. The bars 24 and 25 may be countersunk so that the flattened ends of the pivot bar 26 will be flushed with the surface of the bars 24 and 25. The head 13 is mounted on the shank 11 by forcing arms 15 and 16 slightly apart and slipping the head over the end of the shank so that the pivot bar 26 will slip into the journal opening 19 with the bars 24 and 25 on each side of the shank, (see Fig. 2).

The pivot bar 26 is of substantially the same cross section as the journal opening 19 so that when the arms 15 and 16 of the shank are permitted to return to normal position, they will grip the pivot bar 26, as shown in Fig. 3 and lock it in position. Movement of the head will thus be resisted by the pressure of the arms 15 and 16 on the pivot bar 26. However, when pressure is exerted turning the head, the head will tend to snap into its new position.

One of the bars 24 of the head 13, may be provided adjacent each end with depressions or indentations 27, the detent 20 on the shank being positioned so that when the head is in parallel relation with the shank, the depressions 27 will slide directly over it and tend to releasably lock the head in open position and thus facilitate passage of the link through a cuff.

In operation it can readily be seen that resiliency of the arms 15 and 16 of the shank will tend to lock the head 13 in position either at right angles to or parallel with the shank but will give sufficiently under pressure to permit the

user to swing the head. The detent arrangement provides additional locking means for holding the head in parallel relation to the shank to prevent buckling when the cuff link is being forced into a starched cuff.

The above described construction therefore utilizes a solid cuff link body which is simple to manufacture and assemble and requires no internally constructed springs or other means for causing the head to snap and resiliently lock in open or closed position.

As shown in Fig. 6, an ornamental head 28 of solid construction may be used instead of the above described head. The head 28 is provided with integral depending flanges 29 in which the pivot bar 30 is journalled. The ornamental portion 28 may be formed as a plate which can be fitted over the bars 24 and 25 of the head 13, this construction not being shown as its operation is identical with the form shown in Figs. 1 to 5 inclusive.

Instead of providing a fixed ornamental head 12, the cuff link can be formed as illustrated in Fig. 8 with two identical head portions 31 constructed in similar manner to the head 13. In this arrangement the shank 32 is formed of two bars 33 and 34 rivetted in the center as at 35, and containing journal openings 36 at each end into which the pivot bars 37 are mounted, as in Fig. 1.

The shank 38 may also be formed, see Fig. 9, out of thin sheet stock. The plate 39 is then slotted as at 40 and the shank is bent into a U-shape and pushed through the slots. The shank is then further pinched together to form two contiguous arms 41 and 42 and a V-shaped portion 43 at the end of each arm to form a journal opening 44 corresponding to the journal opening 19. This particular form of shank can also be fixed to the plate 39 by rivetting, instead of using the slots 40. However, the rivet head will have to be flattened and sunk into the plate to permit the mounting of the ornament. Any of the disclosed forms of movable head shown may be used with this form of shank.

It is often desirable to set the head of the cuff link at an angle. To accomplish this, the journal 19, or 36 in Fig. 8, may be cut to form an upright square. This will lock the head at an angle to the shank. The shank can also be bent at an angle in addition to the above.

It is evident that the cuff link described herein is economical to manufacture and to assemble and is admirably adapted for its intended purpose. It is simple to operate and yet provides sufficient resiliency for snapping the movable head into selected position.

Although I have described a specific constructional embodiment of my invention, the invention may be applied to other articles of jewelry, such as studs, collar buttons, and the like. It is obvious that changes in the material used, in the shape of the parts and their relative size and proportion, and in the method of mounting, may be made to meet the requirements for different cuff link designs, without departing from the spirit and scope of the invention as defined in the appended claims.

I claim:

1. In an article of the type described, a head comprising two spaced separate parallel portions and joined by a connecting pivot bar, and a shank having one end positioned between said spaced portions and pivotally engaging said bar, said shank and bar having cooperating parts adapted to releasably lock said head in different selected angular positions relative to said shank.

2. In an article of the type described, a head comprising two spaced separate parallel portions and joined by a connecting pivot bar, a shank having one end positioned between said spaced portions and pivotally engaging said bar, said shank and bar having cooperating parts adapted to releasably lock said head in different selected angular positions relative to said shank, and a second head fixed to the other end of said shank.

3. In an article of the type described, a head comprising two spaced separate parallel portions and joined by a connecting pivot bar, a shank having one end positioned between said spaced portions and pivotally engaging said bar, said shank and bar having cooperating parts adapted to releasably lock said head in different selected angular positions relative to said shank, and a second head pivotally connected with the other end of said shank.

4. In an article of the type described, a head comprising spaced separate parallel portions and joined by a connecting pivot bar, and a shank having one end positioned between said spaced portions and pivotally engaging said bar, said shank and bar having cooperating parts adapted to releasably lock said head in different selected angular positions relative to said shank, said shank having a split end.

5. In an article of the type described, a head comprising spaced separate parallel portions and joined by a connecting pivot bar, and a shank having one end positioned between said spaced portions and pivotally engaging said bar, said shank and bar having cooperating parts adapted to releasably lock said head in different selected angular positions relative to said shank, said shank comprising two parallel members locked together intermediate their ends.

6. In an article of the type described, a head comprising two spaced separate parallel portions covered by an ornamental plate and joined by a connecting pivot bar, and a shank having one end positioned between said spaced portions and pivotally engaging said bar, said shank and bar having cooperating parts adapted to releasably lock said head in different selected angular positions relative to said shank.

7. In an article of the type described, a head comprising two spaced separate parallel portions and joined by a connecting pivot bar, a shank having one end positioned between said spaced portions and pivotally engaging said bar, said shank and bar having cooperating parts adapted to releasably lock said head in different selected angular positions relative to said shank, and additional means to releasably retain said head in a selected angular position.

8. In a cuff link, a fixed head, a shank having one end thereof anchored to said head, and a movable head pivotally secured to the other end of said shank, said head comprising spaced separate parallel members fixed upon an angular pivot bar, and cooperating journal means in said shank for receiving said pivot bar.

9. In a cuff link, a fixed head, a shank having one end thereof anchored to said head, and a movable head pivotally secured to the other end of said shank, said head comprising spaced separate parallel members fixed upon an angular pivot bar, and angular cooperating journal means in said shank for receiving said pivot bar, said bar and journal means being adapted to releas-

ably lock said head in different selected angular positions relative to said shank.

10. In a cuff link, a fixed head, a shank having one end thereof anchored to said head, and a movable head pivotally secured to the other end of said shank, said head comprising spaced separate parallel members fixed upon an angular pivot bar, and said shank comprising contiguous arms each having V-shaped cut-out portions adjacent one end thereto to form an angular bearing, said bar being journalled in said bearing.

11. In an article of the type described, a head comprising spaced separate parallel portions joined by a connecting pivot bar, and a shank having one end positioned between said spaced portion and pivotally engaging said bar, said shank and bar having cooperating parts adapted to releasably lock said head in different selected angular positions relative to said shank, and a second head fixed to the other end of said shank, said shank extending through slots in said fixed head.

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