

E. W. MOREHOUSE.
CUFF PIN.
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1,008,664.

Patented Nov. 14, 1911.

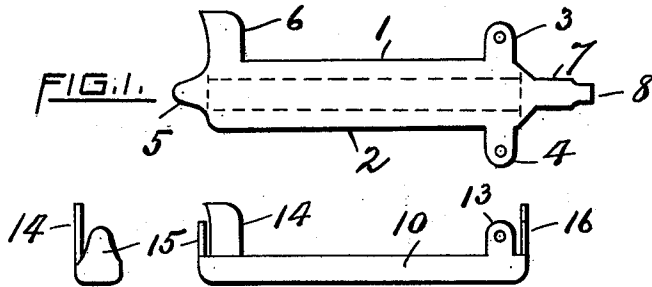


FIG. 4

FIG. 2

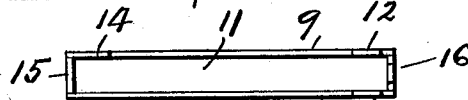


FIG. 3

FIG. 5

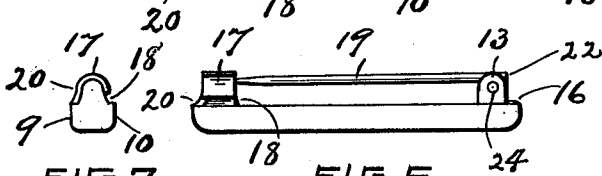
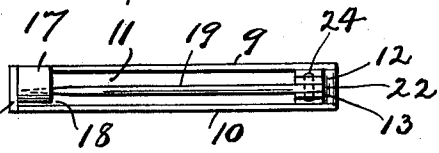


FIG. 7

FIG. 6

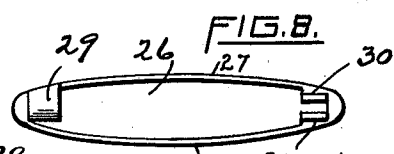


FIG. 8

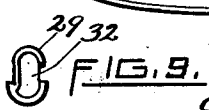


FIG. 9

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UNITED STATES PATENT OFFICE.

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CUFF-PIN.

1,008,664.

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To all whom it may concern:

Be it known that I, EUGENE W. MOREHOUSE, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Cuff-Pins, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to the class of cuff pins; and consists of the novel construction and combination of the several parts as hereinafter described and claimed.

In the drawings like reference numerals indicate like parts.

Figure 1 is a plan view of the blank from which the body portion of the cuff pin, its ear pieces, pin catch and its two ends are made, all in one piece of sheet metal. Fig.

2 is a side elevation of said blank, after it has been bent on the dotted lines as indicated in Fig. 1. Fig. 3 is an inverted or bottom plan view of said blank after it has been bent in the manner represented in Fig.

Fig. 4 is an end elevation of that end of said bent blank where the pin catch is to be formed. Fig. 5 is an inverted or bottom plan view of the completed cuff pin made according to my invention, as seen when the

pin catch and pin joints are fully formed and the end pieces of said blank have been bent to occupy their permanent positions in the structure. Fig. 6 is a side elevation of said completed cuff pin. Fig. 7 is an end

elevation of one end of the cuff pin, showing the closed pin catch at said end. Fig. 8 is an inverted or bottom plan view of a modified form of the invention consisting of an elliptical cuff-pin made with my said improved pin catch and pin joints. Fig. 9 is an elevation of the outer end of the pin catch in such modified form.

A blank is cut by a punch and die from a sheet of metal in the shape illustrated in Fig. 1. It has the two parallel edges 1 and 2; the two perforated ear pieces 3 and 4, opposite to each other and extending at right angles from the edges 1 and 2, respectively; the central longitudinal projection 5 forming a closing member, extends in the longitudinal middle line of the central body portion of the blank and has its outer end curved as shown; a wing or projection constituting the catch forming member 6, contiguous to the projection 5,

but extending at a right angle from the edge 1; and the extension 7 extending lengthwise of the blank and having two parallel edges and terminating in a rectangular tip 8; all said parts being integral, made from one piece of metal.

By die and plunger, the blank, represented in Fig. 1, is bent on the dotted lines indicated in Fig. 1, and thus takes the box-like form, illustrated in Figs. 2 and 3, the edge 1 is bent at right angles to form one longitudinal side of the cuff pin, as seen at 9; and the edge 2 is bent at right angles to form the other longitudinal and parallel side of the cuff pin, as seen at 10, thus leaving a central longitudinal portion or body, designated as 11. The ear piece 3 is bent to form a pin joint 12, and the ear piece 4 is bent to form the other pin joint 13, said pin joints being then parallel with each other, and the pivot holes or perforations thereof then being in alinement with each other. The wing or projection 6 is bent up at a right angle as seen at 14; the end projection 5 is bent up at a right angle to extend along the outer edge of the bent projection 14, as shown at 15; and the projection 7 is bent up at a right angle as illustrated at 16, all as plainly exhibited in Figs. 2, 3, and 4. The projection 14 is then curved over transversely to form a pin catch member 17, as seen in Figs. 5, 6 and 7, having an opening at 18 for the reception of the sharp or free end of the pin tongue 19. The bent end or closing member 15 serves to close the outer end of this pin catch, as seen at 20 in Figs. 5, 6 and 7 in both Figs. 5 and 6 the edge of the catch forming member 17 is bent to meet that of the closing member 20, in Fig. 5 the catch member laps inside of the closing member, while in Fig. 6 the catch member laps outside of the closing member but in both cases the edges of both members meet. The head 22 of the pin tongue 19 is inserted between the ear pieces or pin joints 12, 13, which are then pinched together, by a suitable tool, to lie in snug contact with the flattened head of the pin tongue. A pivot 24 is passed through the perforations or holes of the pin joints 12, 13, and of the head 22 of the pin tongue 19. The end 7, and tip 8 of the blank, when the end piece 16 is bent down, extends beneath the inner end of the sector-shaped head 22 of the pin tongue 19, and is then bent at a right angle, to consti-

tute a foot or base, whose end is in contact with the inner surface 11 of the cuff pin. This bent portion serves to resist the pressure of the sector-shaped head of the pin when the pin is oscillated on the pivot 24, and thus facilitates the spring-tension of the pin tongue 19 when the latter is moved into engagement with the pin catch 17.

In Figs. 8 and 9 is shown a modified form of my said invention, which consists merely in giving an elongated elliptical shape to the cuff pin, instead of the square-end box-shape illustrated in Figs. 2, 3, 5 and 6. The central or body portion in Fig. 8 is designated as 26, having the curved, converging sides 27 and 28. The pin catch is marked 29, and the pin joints 30 and 31. The tip 32 is bent up and closes the outer end of the pin catch 29, as seen in Fig. 9.

In my improved construction hereinbefore described, the pin catch of the cuff pin has a closed outer end, formed by an up-turned projection of the body portion of the cuff pin, around whose periphery the wing 6 is

bent into contact. This furnishes a perfect protection against the pin point 21, which, if not so covered, is liable to wound the fingers and to tear the lace or other fabric of the cuff.

I claim as a novel and useful invention and desire to secure by Letters Patent:—

A cuff pin comprising a body portion having a closing member integral with one end and turned backward or away from the front of said body portion, a separate integral catch forming member bent up from one edge of the body, the same having one edge bent to meet the edge of said closing member whereby a catch member is provided having one side and one end closed to receive and protect the point of the pin-tongue.

In testimony whereof I affix my signature in presence of two witnesses.

EUGENE W. MOREHOUSE.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."