(No Model.)

N. MITCHELL.

BUTTON.

No. 370,489. Patented Sept. 27, 1887.

Fig. 1.

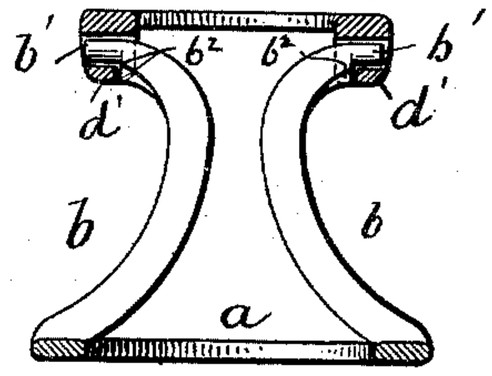


Fig. 2.

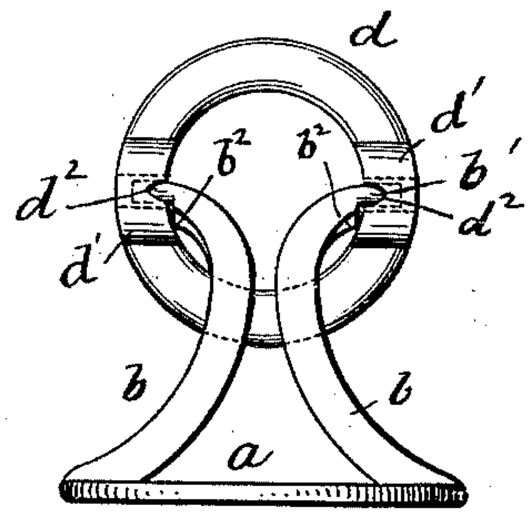
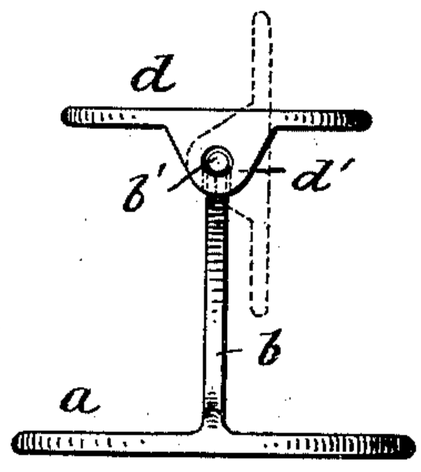


Fig. 3.



WITNESSES:

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NOAH MITCHELL, OF NEWARK, NEW JERSEY.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 370,489, dated September 27, 1887.

Application filed April 6, 1887. Serial No. 233,841. (No model.)

To all whom it may concern:

Be it known that I, NOAH MITCHELL, of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Collar-Buttons, of which the following is a specification.

This invention relates to an improved skeleton collar-button of simple and cheap construction in which the head of the button can be swung sidewise of the posts or shanks for facilitating the use of the button; and the invention consists of a collar-button composed of a ring-shaped base, curved posts attached at diametrically-opposite points to said base, and a head of disk or ring shape that is applied by perforated ears to pivots at the upper ends of said posts, said ears having notches at their inner lower parts that produce, in connection with shoulders below the pivots, a spring action on the posts, so as to retain the head rigidly in position on the posts.

In the accompanying drawings, Figure 1 represents a vertical central section of my improved collar-button. Fig. 2 is a side elevation of the same, shown with the head placed in position sidewise of the posts; and Fig. 3 is a side elevation of the button, taken at right angles to that shown in Fig. 2.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, *a* represents the ring-shaped base of my improved collar-button. The shank of the button is formed of two curved posts, *b b*, that are attached at their lower ends to diametrically-opposite points of the base *a*, and provided at their upper ends with pivots *b'* and straight shoulders b^2 below said pivots, as shown clearly in Figs. 1 and 2. The pivot ends of the posts *b b* are sprung into perforated ears *d'* of a head, *d*, which may be either of disk shape or of ring shape, as shown in the drawings. The shoulders b^2 of the posts *b b* project into V-shaped recesses or notches d^2 at the lower inner parts of the ears *d'* next to the shoulders b^2, so as to hold the head in position on the posts by the spring action exerted by the posts on the ears. When it is desired to pass the head of the button through button-holes, the head *d* is turned on the pivots *b'*, the sides of the V-shaped recesses d^2 pressing on the shoulders b^2 and forcing the upper ends of the posts inwardly, as shown in Fig. 2. When the head *d* is placed in vertical position alongside the posts *b b*, it can be conveniently passed through the button-holes, as customary in collar-buttons of this class. When this is accomplished, the head *d* is turned back into its normal position parallel to the base, and retained in this position by the pressure of the shoulders of the posts on the notched lower parts of the ears d^2, as shown in Fig. 1.

As the collar-button is formed of a ring-shaped base and of two posts that connect the same with the head, a skeleton button is produced that can be cheaply manufactured, as a considerably smaller quantity of stock is required for the same. The tilting and locking of the head are produced by the direct spring action of the posts without any extra locking-springs, whereby an extremely simple and durable construction is provided.

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

The combination of a ring-shaped base, curved posts attached at diametrically-opposite points to said base, said posts being provided at their upper ends with pivots and straight shoulders below said pivots, and a head having perforated ears fitted over the pivots, said ears being provided with V-shaped notches at their lower parts next to said shoulders, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

NOAH MITCHELL.

Witnesses:

PAUL GOEPEL,

SIDNEY MANN.