No. 664,307.

Patented Dec. 18, 1900.

O. W. YOUNG.

COLLAR BUTTON.

(Application filed Feb. 17, 1900.)

(No Model.)

Fig. 1

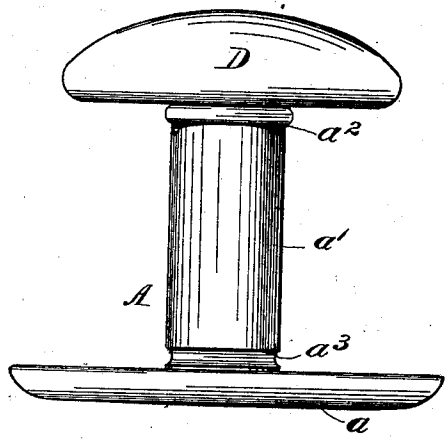


Fig. 2

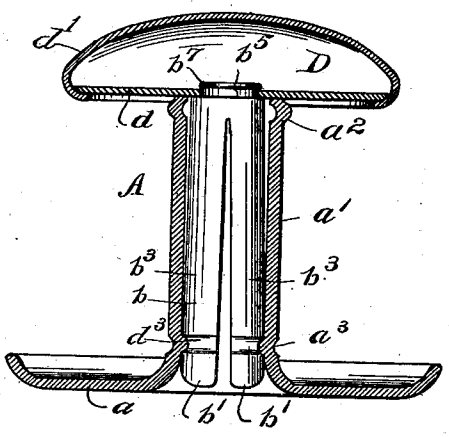
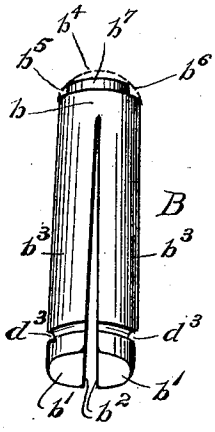


Fig. 3



Witnesses:

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Inventor,

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By Charles Turner Brown,

Att'y.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ORESTA W. YOUNG, OF CHICAGO, ILLINOIS.

COLLAR-BUTTON.

SPECIFICATION forming part of Letters Patent No. 664,307, dated December 18, 1900.

Application filed February 17, 1900. Serial No. 5,572. (No model.)

To all whom it may concern:

Be it known that I, ORESTA W. YOUNG, a citizen of the United States, residing at No. 1383 West Lake street, Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Detachable Collar-Buttons, of which the following, when taken in connection with the drawings accompanying and forming a part hereof, is a full and complete description, sufficient to enable those skilled in the art to which it pertains to understand, make, and use the same.

This invention relates to that kind or class of detachable collar-buttons having separable parts connected together by a spring-catch when in use; and the object of the invention is to obtain a device or construction which will be of equal utility and as pleasing in appearance as is the detachable collar-button set out, described, and claimed in Letters Patent of the United States No. 562,060, granted to me June 16, 1896, for detachable collar-buttons, and with less parts or pieces thereto.

To accomplish the purposes desired by me, I so construct the base of the collar-button embodying this invention that no "shoe," as it is termed, is required to form a part thereof, while the button and spring-post forming the remaining portion of the collar-button is as easily and securely attached to such base and as readily detached therefrom as in the constructions containing a shoe as an element of the base thereof; and, further, I so construct the spring-post of the detachable collar-button embodying this invention as to avoid splitting the wire forming the same longitudinally for any portion of its length while retaining all the functions of a spring-post formed of a wire divided a portion of its length to constitute the engaging element of the detachable part of the collar-button.

I have illustrated the detachable collar-button embodying this invention by the drawings hereinbefore referred to, in which—

Figure 1 is an elevation of such button with the separable parts engaged; Fig. 2, a vertical sectional view of the collar-button with the separable parts in the same relative position as in Fig. 1; and Fig. 3, an elevation of the spring-post forming an element in the device in condition to be permanently joined to the button or head thereof.

A reference-letter applied to designate a given part is used to indicate such part throughout the several figures wherever the same appears.

A is the base member or socket of the detachable collar-button embodying this invention, and comprises the button-base a and the hollow post a', such hollow post provided with the outwardly-extending bead a^2 and the inwardly-extending bead a^3. Base member or socket member A is made of a single piece—that is, the hollow post a' is made an integral part of the base a, and the grooves a^2 a^3 are made by forcing, as by a die or by spinning, the metal forming the hollow post a' into position forming the bead desired, as, say, into substantially the position illustrated in Figs. 1 and 2.

Base member or socket member A may be made of gold, silver, or other metal, and when made of metal other than gold may be and preferably is enameled on the part thereof liable to come in contact with the person of the wearer.

B is the spring-post secured to button D. Spring-post B is made of half-round wire bent to bring flat sides b^2 b^2 and ends b' b', respectively, adjacent to each other half-round side of the rod forming the periphery of the post.

b^4, Fig. 3, indicates the contour-line of the spring-post B, at one end thereof, after the half-round rod of which it is formed has been bent up and before the shoulder b^5 is obtained, as by turning it down or cutting away portion b^6 thereof to obtain part b^7 fitting into the central hole of disk d of head D. Spring-post B is secured in disk d by solder or by riveting part b^7 down thereon or by both soldering and riveting part b^7 down thereon, and the top d' of button D is secured to disk d by having the peripheral edge d^2 thereof turned or pressed in underneath the periphery of such disk.

d^3 d^3 are grooves extending around the half-round position of the bent rod forming spring-post B and corresponding with the bead a^3 of hollow post a'.

The operation of the device is: When the spring-post B is forced into hollow post a'

until the grooves d^3 d^3 are adjacent to the inwardly-extending bead a^3, such grooves catch or engage with the bead a^3 and the several parts of the button are held together. Such engagement of the two parts of the device is not so rigid or unyielding but what the button D and spring-post B may be drawn from the base member or socket member A and such parts so separated. In use the hollow post a' may be inserted in the buttonholes of the parts or things joined thereby, (as the neckband of a shirt and a collar,) being held in place by the bead a^3, and thereafter the button D and spring-post B are put in place with the spring-post B in the hollow post a' in substantially the position illustrated in Fig. 2 of the drawings. Such spring-post will be found to be attached to the base member or socket member A in a manner well adapted for practical use.

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

In a detachable collar-button, a base member consisting of a base and a hollow post, such hollow post provided with an inwardly-extending annular bead adjacent to the base, and a button member, such button member consisting of a disk, a head secured on the disk, and a spring-post secured in the disk, such spring-post comprising a half-round wire bent midway thereof and turned down at such bend to obtain a shoulder and an end fitting into a hole in the disk, and provided with a groove at the other end thereof fitting the inwardly-extending annular bead; substantially as described.

ORESTA W. YOUNG.

In presence of—
CHARLES TURNER BROWN,
FLORA L. BROWN.