

No. 882,062.

PATENTED MAR. 17, 1908.

D. A. HART.  
COLLAR BUTTON.

APPLICATION FILED SEPT. 19, 1906.

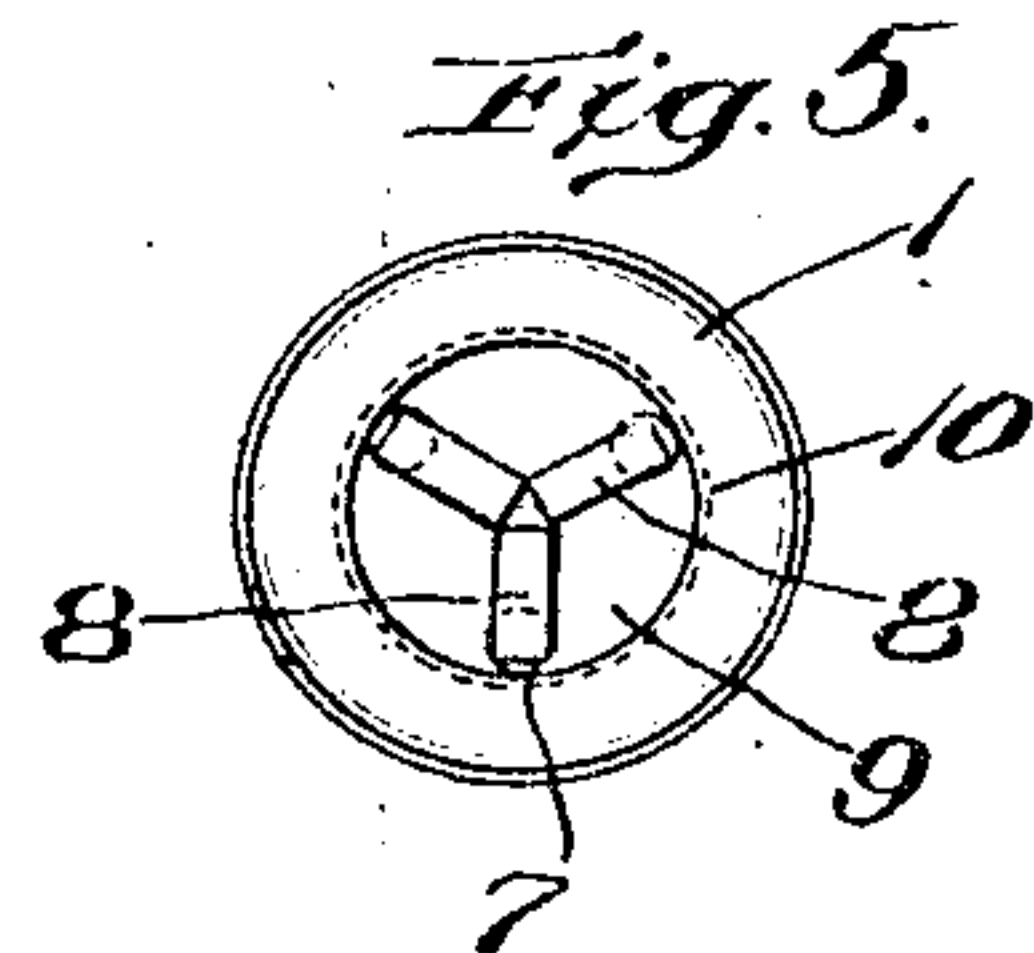
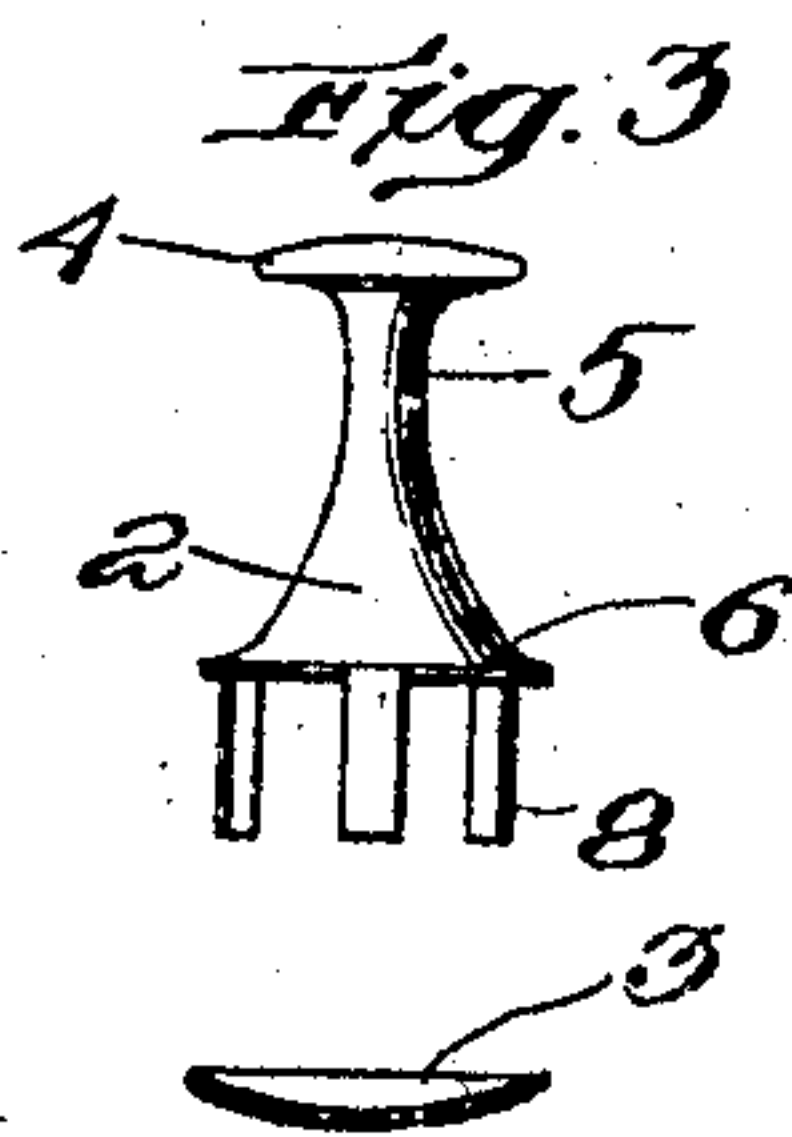
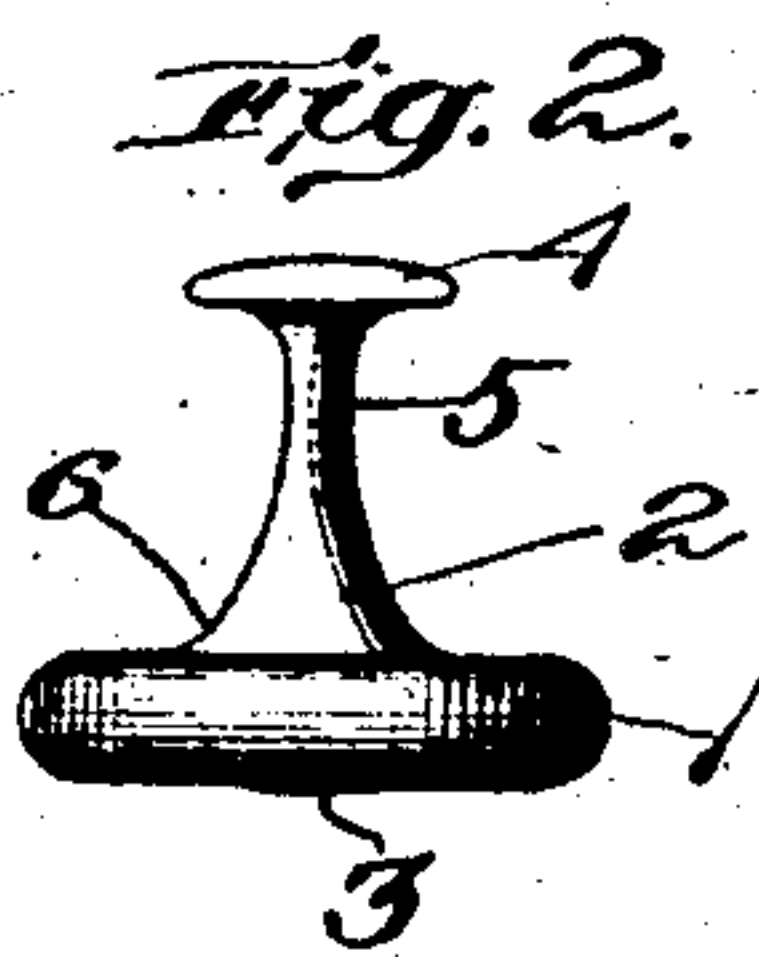
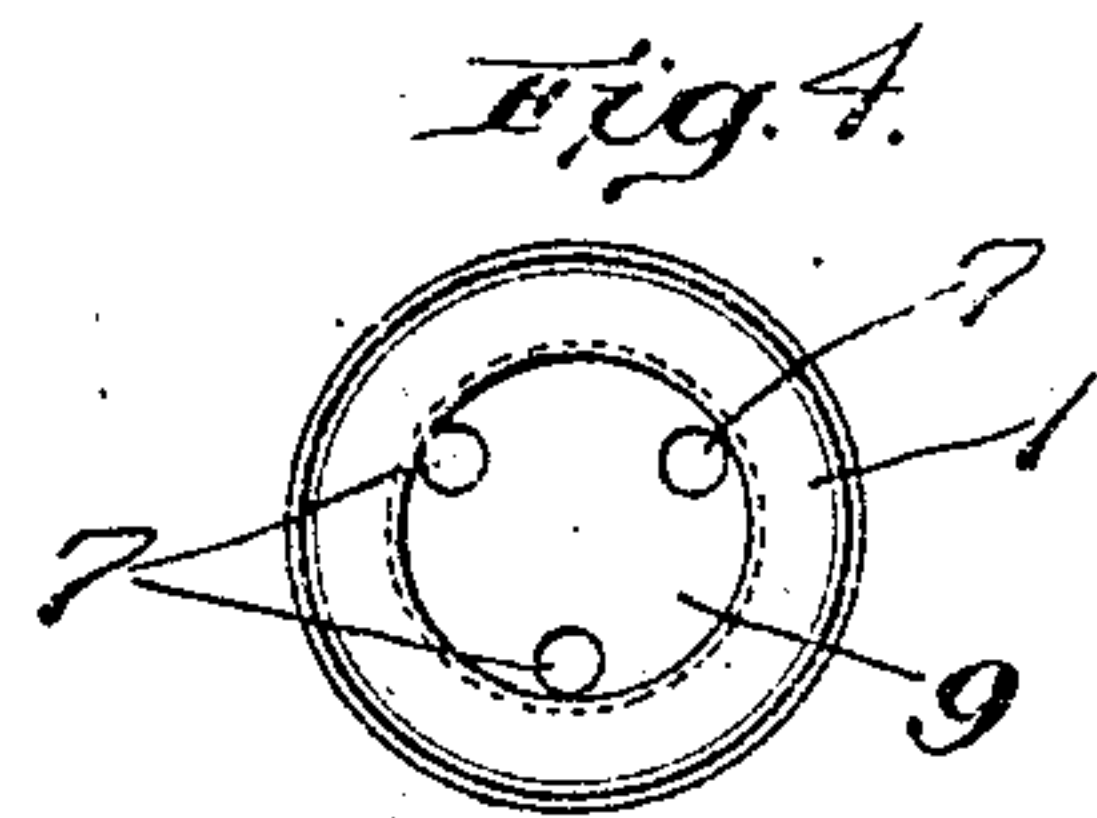
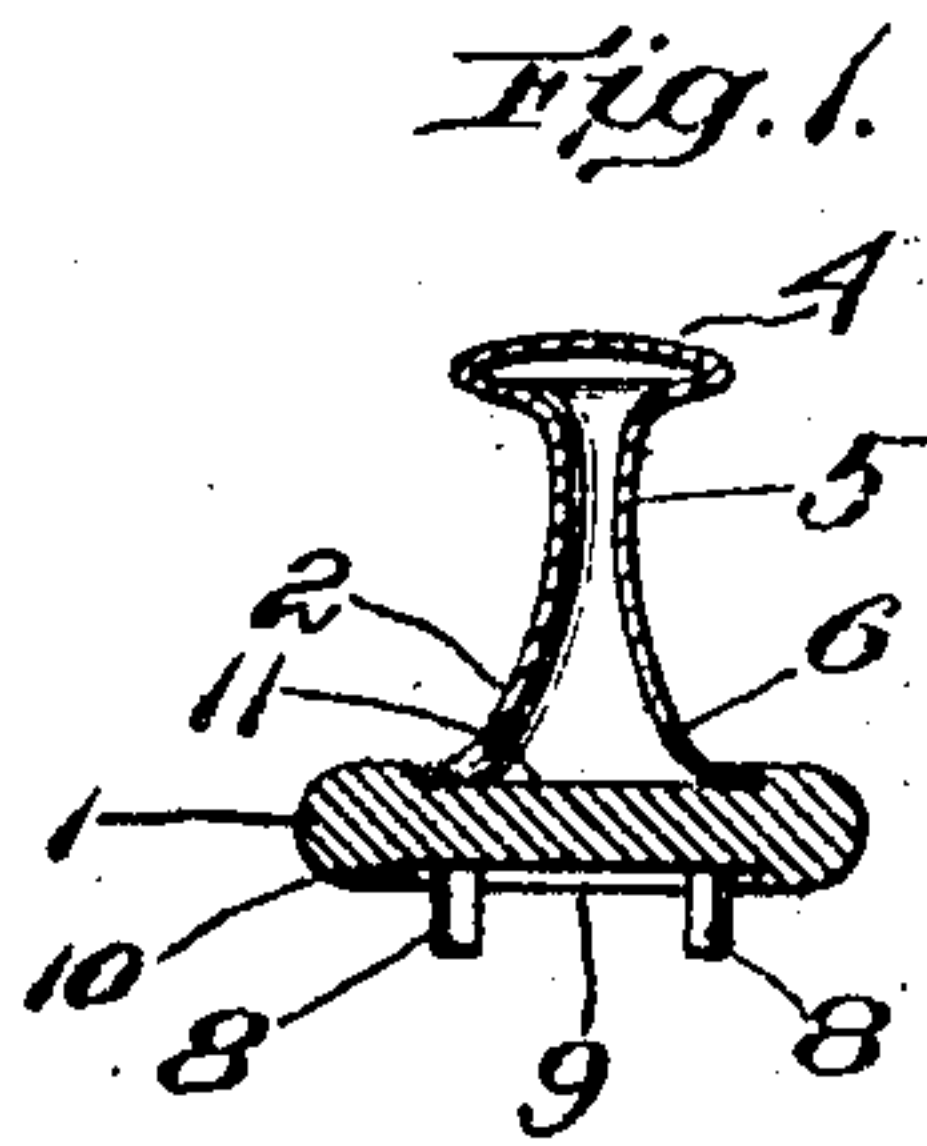
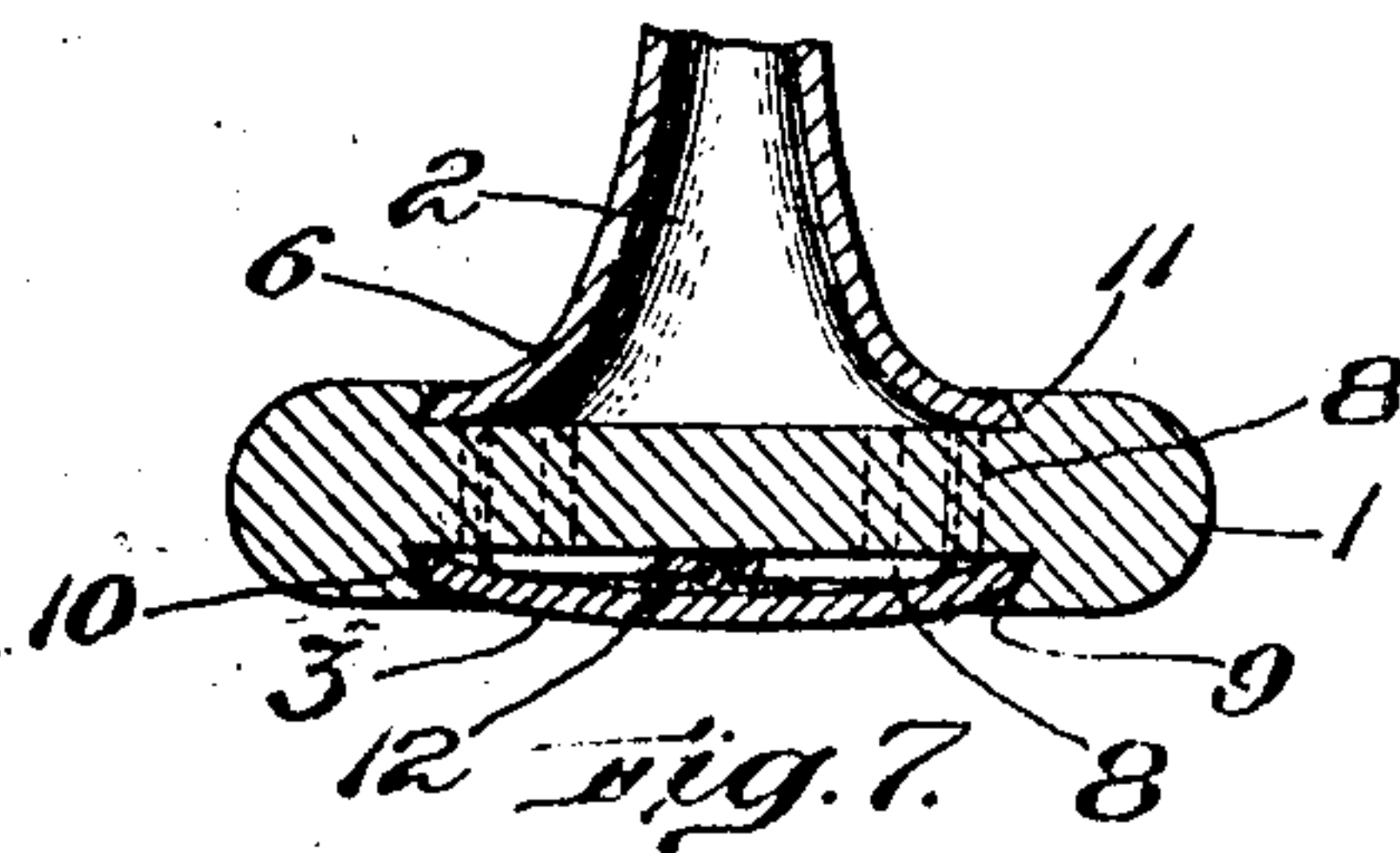


Fig. 6.



Witnesses:  
Wm. J. Pike.  
Edward Maxwell

Inventor:  
David H. Hart,  
by Geo. H. Maxwell,  
Attorney.



# UNITED STATES PATENT OFFICE.

DAVID A. HART, OF ATTLEBORO, MASSACHUSETTS.

## COLLAR-BUTTON.

No. 882,062.

Specification of Letters Patent.

Patented March 17, 1908.

Application filed September 19, 1906. Serial No. 335,191.

*To all whom it may concern:*

Be it known that I, DAVID A. HART, a citizen of the United States, residing at Attleboro, in the county of Bristol and State of Massachusetts, have invented an Improvement in Collar-Buttons, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My invention is a composite collar button, having for its object the improvements relating to increased strength, neatness and durability.

I provide a back, preferably of ornamental material, such as pearl, and a post, preferably of spun or drawn metal, held to the back by a prong-fastener, thereby securing the parts immovably, said back preferably having undercut recesses at its front and back for receiving the opposite metal portions and locking the parts immovably.

My invention will be further explained and the novel features thereof pointed out more at length in the course of the following description made with reference to the accompanying drawings, in which I have illustrated a preferred embodiment of my invention.

In the drawings, Figure 1 is a central vertical sectional view of my improved collar button partially put together; Fig. 2 shows the same complete, in side elevation; Fig. 3 is a view in side elevation of the post and its securing means; Fig. 4 is a plan view of the back; Fig. 5 is a bottom view of the button before the covering cap is put on; Fig. 6 is a transverse sectional view of said cap; and Fig. 7 is an enlarged detail in cross section of the lower portion of the complete button.

My button comprises a back 1 and a post 2 and preferably also a cap 3, which, aside from the novel features for securing them together which constitute my invention, may be of any approved or preferred shape, material and construction. As herein shown the post 2 is of spun or drawn metal, having a usual enlargement or head 4 at its outer end and a narrow-neck portion 5 terminating in a flaring shouldered base 6. The back 1 is herein indicated as pearl, bone or other substance requiring considerable relative thickness, although I do not intend to restrict myself to any particular material. Through this back 1 I bore holes 7 to correspond to the number of tangs or prongs 8 which extend integrally from the post 2, three thereof being herein shown. In the particular em-

bodiment of my invention contained in the drawings these holes are located adjacent the rim of the back 1 at the periphery of a broad, shallow, flat-bottomed recess 9 provided at the rear side of said back, and the tangs or prongs 8 extend from the extreme edge or rim of the flared base 6 of the post 2. This gives an extremely strong construction. The recess 9 has undercut walls as indicated at 10, and preferably also the back 1 has a similar undercut recess 11 on its front face. The depressions in the back which constitute the recesses 9 and 11 have coextensive areas, the latter to receive and retain the flaring shouldered base 6 of the post 2, and the former to conceal the bent-over ends of the tangs or prongs 8 and to receive and retain the cap 3.

In assembling the button the prongs 8 of the post are inserted from the front face through the holes 7 of the back and simultaneously the shouldered base 6 is pressed forcibly downward into the recess 11 by a suitable machine provided for the purpose until the extreme rim or edge of the flared shouldered base is forced outwardly and unyieldingly into the undercut periphery of the recess 11. Thereupon the projecting ends of the prongs 8 are clenched or bent over inwardly toward each other, as shown in Fig. 5, whereupon the cap 3 is inserted in the rear recess 9, a drop of solder 12 being preferably placed at the junction or lapped ends of the prongs 8 and then said cap is pressed forcibly inwardly until its edges are forced tightly into immovable engagement with the undercut edges 10 of the recess 9.

The above construction is smooth at all points, exceedingly strong, cannot work loose, the button is quickly put together, and is inexpensive. It is neat in external appearance as none of the fastenings are visible. In case a larger or a smaller number of prongs is employed, the size of the cap may be correspondingly varied and in the cheaper varieties it may be altogether omitted, although it adds to the strength and especially to the neatness of the appearance. It will also be understood that the relative thickness of the back may be varied, and the depth for example, of the recesses, especially the rear recess 9 may be varied, so that the cap 3 may be set in so deeply that it cannot come in contact with the wearer. The flared base coöperates with the interlocked prong or prongs in giving strong



bracing effects, so that there is no liability of breaking the collar button. The cap also serves, irrespective of the solder, to hold the prongs down flat, and presents a neat, smooth external appearance.

As already intimated, it will be understood that many changes in form, arrangement and construction of parts may be resorted to without departing from the spirit and scope of my patent and invention.

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

1. An article of manufacture, consisting of a collar button, having a transversely perforated back containing a recess in its front side to fit and retain the shouldered base of the post, combined with a long slender post terminating at one end in a head, and at its opposite end in a flaring shouldered base provided with a thin, flexible, integral prong extending transversely through said perforated back, bent into clamping engagement with the under side of the back and permanently secured thereto, said head, post, and back being irremovably fastened solidly together.

2. An article of manufacture, consisting of a collar button, having a post terminating at its outer end in a head and at its inner end in a shouldered base provided with prongs, a back provided with transverse holes and with an undercut recess at its rear side, said post having its shouldered base resting tightly against the front side of said back with its prongs extending through said transverse holes and bent into said recess against the rear side of the back, and a cap fitting tightly against and beneath the undercut walls of said recess, and maintaining the parts of the entire collar button at all times relatively firm and immovable.

3. An article of manufacture, consisting of a collar button, having a post terminating at its inner end in a shouldered base provided with an integral securing prong, a back having undercut recesses at its opposite sides, said shouldered base fitting into the front undercut recess tightly against the undercut walls thereof, said integral prong extending through the back from one recess to the

other, and a cap clamping the rear end of said prong in immovable position in said recess, said cap spanning the rear recess of said back and fitting at its edges tightly against the undercut walls thereof and maintaining the parts of the entire collar button at all times relatively firm and immovable.

4. An article of manufacture, consisting of a collar button, having a post terminating at its inner end in a shouldered base provided with an integral securing prong, a non-metallic back having undercut recesses at its opposite sides, said shouldered base fitting into the front undercut recess tightly against the undercut walls thereof, said integral prong extending through the back from one recess to the other, and a cap soldered to the rear end of the prong, clamping the rear end of said prong in immovable position in said recess, said cap spanning the rear recess of said back and fitting at its edges tightly against the undercut walls thereof and maintaining the parts of the entire collar button at all times relatively firm and immovable.

5. An article of manufacture, consisting of a collar button, having a post terminating in a flared inner end provided at its periphery with a plurality of integral prongs, and a back having the central portions of its front and rear sides containing depressions extending toward each other having co-extensive areas to constitute similar-sized shallow recesses having undercut walls, and a plurality of transverse holes through the thin portion of said back at the periphery of said recesses, said flared end of the post being seated flat against the bottom of the front recess and fitting snugly at its periphery beneath the undercut walls of said front recess, and its prongs extending through said holes and clenched in the rear recess, and a cap snugly fitted over said clenched prongs and beneath the undercut walls of the rear recess.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

DAVID A. HART.

Witnesses:

ARTHUR M. BIRRELL,  
ELMER A. SCOTT, Jr.