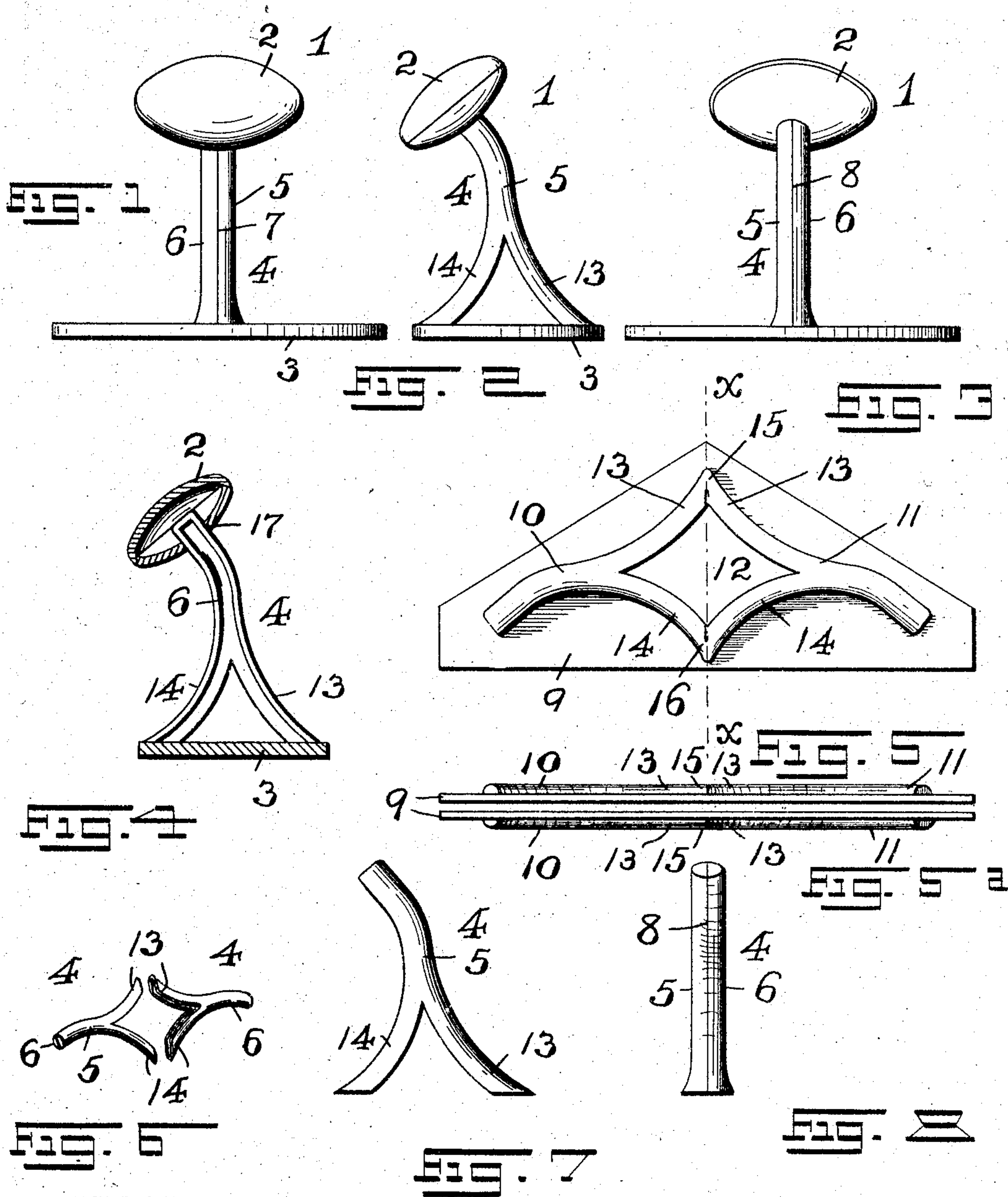


No. 778,241.

PATENTED DEC. 27, 1904.

O. L. HENERLAU.  
BUTTON.

APPLICATION FILED MAR. 26, 1904.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

OTTO L. HENERLAU, OF NEWARK, NEW JERSEY.

## BUTTON.

SPECIFICATION forming part of Letters Patent No. 778,241, dated December 27, 1904.

Application filed March 26, 1904. Serial No. 200,088.

*To all whom it may concern:*

Be it known that I, OTTO L. HENERLAU, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Buttons; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

This invention has reference generally to that class of buttons known in the art as "link" cuff-buttons, collar-buttons, and buttons of a similar nature and character; and the invention relates more particularly to a novel arrangement and construction of a compound and tubular or hollow post or link for this class of buttons suitably connecting the button or head of the article of manufacture with the base-plate, such compound and tubular or hollow post being made in two parts, which are suitably united, as by means of solder, and thereby producing a tubular post or link having longitudinal seams in its oppositely-located edges or surfaces.

My present invention has for its principal object to provide a cuff, collar, or other like button of the character hereinafter more particularly set forth, and one which shall be simple in its construction, shall be easy of manufacture, which can be cheaply made, and the post or link of the button when finished having the general appearance of a solid post and which is just as serviceable and strong as the solid post.

The invention consists in the construction of button and compound or two-part tubular or hollow post or link hereinafter set forth; and, furthermore, this invention consists in the various arrangements and combinations of the parts thereof and a novel process or method of making the same, all of which will be fully described in the following specification and then finally embodied in the claim which is appended to and forms an essential part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a front view, Fig. 2 a side view, and Fig. 3 a rear view, of a button provided with a compound and tubular or hollow two-part post or link made according to the method and embodying the principles of this invention. Fig. 4 is a longitudinal vertical section of the button. Fig. 5 is a plan or face view of a blank of sheet metal in which the general configuration of the parts of the post are struck up. Fig. 5<sup>a</sup> is an edge view of a pair of such sheet-metal plates about to be assembled and soldered together, and Fig. 6 is a perspective view of a pair of compound and tubular or hollow posts or links cut from the connected plates indicated in said Fig. 5<sup>a</sup>. Figs. 7 and 8 are a side and edge view, respectively, of one of the said two-part posts or links.

Similar characters of reference are employed in the said above-described views to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference character 1 indicates the complete button, and the same comprises a head or button portion 2 of any suitable configuration, a base or back plate 3, and a connecting post or link 4, consisting, essentially, of a pair of channel-shaped sections or members 5 and 6, which are placed against each other, so as to form the longitudinal seams 7 and 8, the said sections or members 5 and 6 being made and being secured together by means of solder to produce compound and hollow or tubular post 4 in the manner to be presently more fully described and as clearly illustrated in the several figures of the drawings. In practice the post members or sections are forced out of or struck up from a suitable piece of sheet metal, as 9, so as to form the two raised and channeled parts 10 and 11, the central part of the blank being cut away, as at 12, to provide an opening, as shown, and the said raised or channeled parts 10 and 11 being respectively made with the curved end members 13 and 14. From an inspection of Fig. 5 it will be seen that the two end members 13 of the parts 10 and 11 are



integrally connected, as at 15, and the two end members 14 are also integrally connected, as at 16. To produce two complete compound and hollow or tubular posts or links 4, (see Fig. 6,) I next take two of such blanks of sheet metal which have been provided with the raised and channeled parts 10 and 11 and secure these blanks together, preferably by means of solder or otherwise, back to back, as clearly indicated in Fig. 5<sup>a</sup> of the drawings, in which figure the said blanks of sheet metal are represented in such positions just about to be assembled. The two connected plates of sheet metal 9 will thus be provided with a pair of compound and tubular or hollow posts connected at their foot portions, as at 15 and 16, as will be evident from the drawings. All that is now required is to trim away the parts of the connected blanks 9 which surround the said parts 10, 11, 13, and 14, and by cutting across the line *xx* in said Fig. 5 a pair of complete compound and hollow and tubular two-part posts 4 will be the result, as clearly indicated in Fig. 6 of the drawings, each post or link 4 being provided at its lower portions with a bracket-like foot-piece. A post 4, as indicated in Figs. 7 and 8, is then taken, and its upper portion is connected and secured to the head or button portion 2, preferably by being inserted in a suitable opening 17 in the lower face of said button or head 2, and then soldered fast, and at the same time the bracket-like foot portion or divided end portions of the completed post or link 4 are soldered fast upon the back plate or base 3, as will be clearly evident from an inspection of Figs. 2 and 4 of the drawings. Thus it will be seen that I have produced a hollow or tubular compound and two-part post or link which is divided at its lower end, so as to provide a pair of legs or bracket-like por-

tions for more securely connecting the post or link 4 with the plate 3, and while providing a cheap construction and a post of reduced weight over the solid post still a very strong and rigid arrangement of the various parts is clearly the final result after the post is finally assembled in its secured relation between the head or button portion 2 and the base-plate 3.

I am aware that some changes may be made in the general arrangement and in the assembling of the parts, as well as in the details of the construction of the same, without departing from the scope of my present invention. Hence I do not limit my invention to the exact arrangements and combinations of the parts as described in the foregoing specification and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction of the said parts.

Having thus described my invention, what I claim is—

The improved button herein described, consisting of the combination of a head and base, with a compound post comprising a pair of straight-edged longitudinal halves of semi-circular cross-section soldered together along their upper portions to provide an upper single tubular post portion, and each half having lower end members extending in opposite directions and forming bracket-like foot-pieces, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 24th day of March, 1904.

OTTO L. HENERLAU.

Witnesses:

FREDK. C. FRAENTZEL,  
GEO. D. RICHARDS.