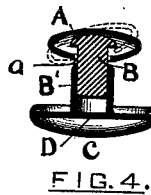
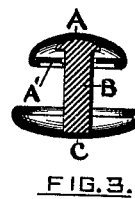
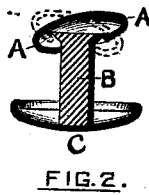
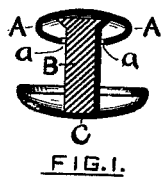


W. E. ROBINSON.
Buttons and Studs.

No. 218,688.

Patented Aug. 19, 1879.



WITNESSES.

Jacob F. Munro.
Edwin S. Jones.

INVENTOR.

William E. Robinson

UNITED STATES PATENT OFFICE.

WILLARD E. ROBINSON, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN BUTTONS AND STUDS.

Specification forming part of Letters Patent No. **218,688**, dated August 19, 1879; application filed January 15, 1879.

To all whom it may concern:

Be it known that I, WILLARD E. ROBINSON, of the city and county of Providence, and State of Rhode Island, have invented a new and useful Improvement in Buttons and Studs; and I do hereby declare that the following specification, taken in connection with the accompanying drawings, forming a part of the same, is a full, clear, and exact description thereof.

The invention hereinafter described relates to the construction of a collar-button, sleeve-button, or stud; and it consists in so combining the top or shoe of a button or stud with the post thereof that the said top or shoe shall be confined to the post, yet be loosely mounted thereon, so that to a certain degree it may be tilted in any direction on said post without the necessity of turning the button or stud in the fingers, or rotating the top or shoe about the axis of the post.

As heretofore constructed, buttons and studs in which the top or shoe can be inclined upon the post, for the purpose of conveniently applying said buttons or studs, have been made so that said top or shoe can be inclined in one plane only, or have been so constructed that, to incline the top or shoe in any direction upon the post, it is necessary to rotate said top or shoe about the axis of the post. Compared with my improved button or stud those constructed as just described are inconvenient to apply, for the reason that it is necessary that the latter shall occupy a definite position in the fingers, in order that the top or shoe may be inclined in a direction desirable for the application of the button.

The object, therefore, of my invention is to furnish a button or stud which can be more conveniently applied than others of a similar character, and this I accomplish by mounting the head or shoe on the post so that said head or shoe can be inclined in any direction thereon without the necessity of turning the button or stud in the fingers, or rotating the shoe or head about the axis of the post.

Referring to the drawings, Figure 1 represents a collar-button of my improved construc-

tion, the head of which is formed of one piece of metal. Fig. 2 shows the same with the top inclined. Fig. 3 represents a collar-button whose head is composed of a shell and washer; and Fig. 4 shows a button whose head is a shell, whose post is composed of solid and tubular members, and a disk employed to connect the post and shoe.

As shown in each figure of the drawings, A represents the top or head; B, the post, and C the shoe.

In constructing a button whose top is of the form shown in Fig. 1, a post having a properly-shaped head is soldered to the shoe, and the top A swaged into shape upon it in such a manner as to leave in said top, as at *a*, a circular opening whose diameter is greater than that of the post, but slightly less than that of the post-head; or the top may be first combined with the post, and then the latter with the shoe.

In the button shown at Fig. 3, the top is composed of a shell, A, and a washer, A', and the button may be constructed by placing the washer on the post, and then swaging the shell into shape upon the washer, the shoe being combined with the post either before or after this operation.

The construction of button shown in Fig. 4 is particularly adapted to plated goods when the layer of gold is very thin. In this class of goods it is not desirable that any plated part composing the button should be subjected to the operation of soldering, as such operation renders the gold facing less durable.

The solid and tubular members B B' of the post and the disk D are of base metal and are soldered together and polished. The shoe C, of "bright stock," is then swaged upon the disk D, and the top A, also of "bright stock," upon the post B, and the button is ready for market.

Although in the foregoing description only the construction of my improved collar-button has been shown, yet it will be readily seen that the head or shoe of a stud, sleeve, or other button may be combined with its post in the manner described.

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

The button or stud herein described, having the head A swaged loosely on the enlarged end of the post or shank B, as shown and described, so as to render it capable of being

inclined in all directions thereon without rotating said head about the axis of the post, substantially as set forth.

WILLARD E. ROBINSON.

Witnesses:

JACOB F. MUNRO,

EDSON S. JONES.