

C. I. Potter,

Button.

No. 110,070.

Patented Dec. 13, 1870.



FIG. 1.

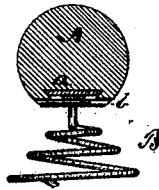


FIG. 2.



FIG. 3.

WITNESSES.

Arnold Reckman
Peter J. Hughes

INVENTOR.

Chas. K. Potter

United States Patent Office.

CHARLES L. POTTER, OF PROVIDENCE, RHODE ISLAND.

Letters Patent No. 110,070, dated December 13, 1870.

IMPROVEMENT IN DEVICES FOR ATTACHING THE SHANKS TO MINERAL AND COMPOSITION BUTTONS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, CHARLES L. POTTER, of the city and county of Providence, in the State of Rhode Island, have invented a new and useful Improvement in Devices for Attaching the Shanks to Mineral and Composition Buttons; and I do hereby declare that the following specification, taken in connection with the drawing making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a side view of the button.

Figure 2 shows, in section, the device by which the shank is attached to the button.

Figure 3 is a view of the under side of the button, the spiral portion of the shank being removed.

A convenient and very common way of attaching pearl or mineral-composition buttons of different kinds to clothing is by means of a helical shank, the end of which being entered into a small circular button-hole, the button is turned with the fingers until the shank has been advanced into the hole through all the convolutions of the spiral.

Much difficulty has been experienced in attaching such shanks to the head so as to prevent them from becoming loosened by the operation of screwing in and out the button, and it is the purpose of my invention to furnish an improved means for effecting such attachment.

In the drawing—

A represents a button-head of any preferred form, the material being pearl, glass, mineral-composition, or other material commonly used in such manufactures, with which solder cannot be used.

B represents the common helical shank.

The usual mode of attachment has been to sink a dovetail circular cavity in the bottom of the button and insert therein a plate, *a*, corresponding in form and size, to be held by cement or burnished down at the edge. To this plate the shank is soldered.

I make use of the same device, but in addition thereto I employ a metallic cross-bar, *b*, which is soldered to the plate *a* or to the shank, and is to be let into channels cut in the bottom radial to the shank.

The ends of such cross-bar should also be bent, so as to enter holes drilled in the button-head at the end of such channels.

After the plate *a* has been set in its cavity in the usual way the cross-bar should be burnished down with a suitable tool, so that its ends, as well as body, will fill the cavity prepared for it in the button-head. More than one cross-bar may be used if greater security is desired.

What I claim as my invention, and desire to secure by Letters Patent, is—

That improvement in the means for fastening shanks to mineral and other like buttons which consists in combining a cross-bar, *b*, with a base-plate, *a*, to which latter the shank is attached, both cross-bar and plate being secured to the button-head, substantially as described.

CHAS. L. POTTER.

Witnesses:

PETER F. HUGHES,
ORVILLE PECKHAM.