(No Model.)

S. C. HOWARD.

SLEEVE BUTTON, &c.

No. 294,468. Patented Mar. 4, 1884.

Fig. 1.

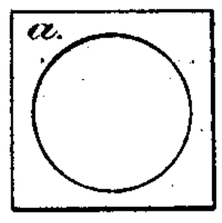


Fig. 2.

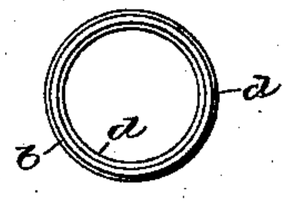


Fig. 3.

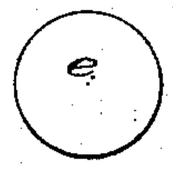


Fig. 4.

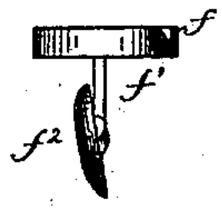


Fig. 5.

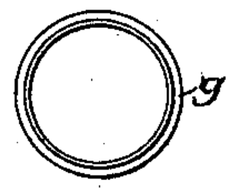


Fig. 6.

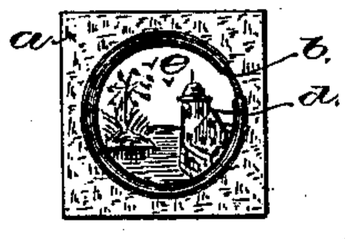
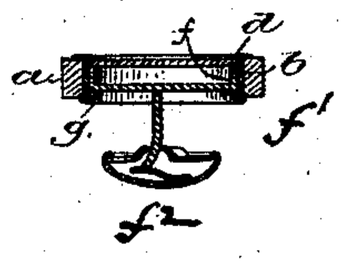


Fig. 7.



Witnesses.
John F. C. Preinkert
Fred A. Powell.

Inventor:
Stephen C. Howard,
by Crosby & Gregory
attys.

UNITED STATES PATENT OFFICE.

STEPHEN C. HOWARD, OF NEW YORK, N. Y.

SLEEVE-BUTTON, &c.

SPECIFICATION forming part of Letters Patent No. 294,468, dated March 4, 1884.

Application filed May 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN C. HOWARD, of New York, county and State of New York, have invented an Improvement in Sleeve-Buttons, &c., of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

Sleeve-buttons, studs, &c., composed more or less of stone, glass, &c., are now commonly made; but in all such articles of jewelry the stone, glass, &c., has been inclosed within a metal rim; but in my study to produce a novel, desirable, and ornamental effect in jewelry I have devised means whereby a non-metallic substance may be made to form the boundary of a central metallic lining portion; and the object of my invention is the practical production of such a button.

My invention consists in a button composed, essentially, of a back, a shoe, a post, a metallic hub or lining, a central plate or portion, and a non-metallic exterior plate held in place with relation to the metallic lining by pressure applied at the interior of the said non-metallic exterior plate through the said lining, as will be described.

Figure 1 represents, separately, a non-metallic exterior plate for an article of jewelry; Fig. 2, the metallic hub or lining to be placed within the non-metallic exterior plate. Fig. 3 represents the metallic central cap or shield; Fig. 4, the back, post, and shoe; Fig. 5, the collar; Fig. 6, the top view of a sleeve-button composed of the said parts assembled together, and Fig. 7 a vertical section of the same.

The non-metallic exterior plate or edge, *a*, is supposed to be composed of onyx or agate; but it may be composed of any hard fragile non-metallic substance—such as stone, pearl, glass, or ivory—or of a hard molded body—such as hard india-rubber—or of celluloid. The non-metallic exterior plate is bored centrally, for the reception of the metallic hub or lining *b*, which, inserted within the said exterior plate, is slightly expanded or burnished over at its lower end, or is otherwise made to engage, adhere to, and hold the exterior plate, *a*, in place thereon. The lining *b*, as herein shown, has a flange or rim, *d*, soldered to it at its upper end, so that the said flange acts in holding the non-metallic exterior plate, and the parts will preferably be so put together as to leave the face of the flange flush with the outer face of the exterior plate, *a*, the portion of the said flange extended within the circumference of the hub *b* serving to support the metallic or other ornamental or ornamented center plate, *e*, introduced into the said lining from the rear side of the exterior plate. Having placed the center plate, *e*, in position within the lining and against the rim, the back *f*, it having a post, *f'*, and shoe f^2, of usual construction, is inserted within the said hub or lining, and is attached thereto by soft solder, and then the annulus *g* or back-holder is applied within the rear end of the lining, and is soft-soldered to the back *f*. The annulus *g* has a rim to cover the lower end of the cheap metal hub, and is burnished over the edge of the exterior plate, as shown in Fig. 7.

If desired, the lining may be of gold, and its edge, exposed at the face of the button, may be brought to the level of the face of the stone or other non-metallic exterior plate by grinding, as lapidaries face and finish precious stones. The lining may, if desired, be of other shape than octagonal.

I claim—

1. In a button, a non-metallic exterior plate and a flanged metal lining placed within the same, combined with a separate center plate to fill in the face of the opening in the said non-metallic exterior plate, substantially as described.

2. In a button, the non-metallic exterior plate, its metal lining, center plate, and back, combined with the said holder to confine the back and its attached parts in the said exterior plate, substantially as described.

3. In a button, a non-metallic exterior plate, an independent center plate held within said plate, and a back, combined with a shank and pivoted shoe, substantially as described.

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

STEPHEN C. HOWARD.

Witnesses:
E. J. RANDALL,
W. EDWARD FISKE.