

(No Model.)

W. HORNICH.
BUTTON.

No. 538,416.

Patented Apr. 30, 1895.

Fig. 1,

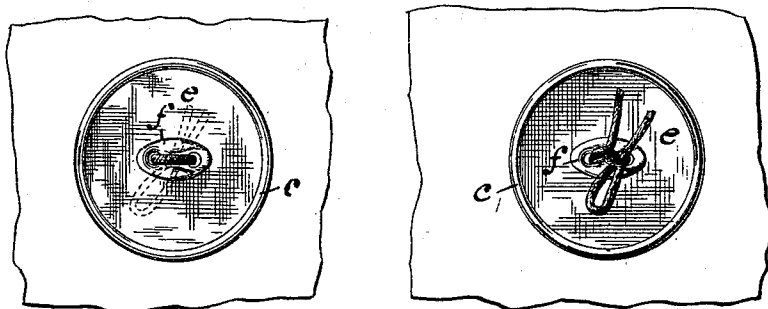


Fig. 2,

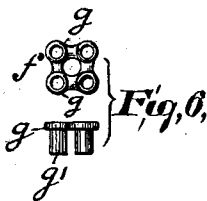
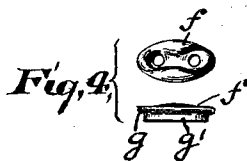
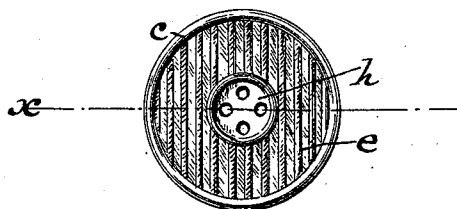


Fig. 3,

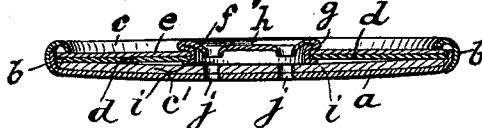
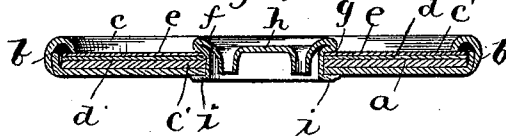


Fig. 7,



Witnesses

Robert Tollberger
Louise L. Browne.

Inventor

William Hornich.

By *Stratton*, Atty's.

UNITED STATES PATENT OFFICE.

WILLIAM HORNICH, OF NEWARK, NEW JERSEY.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 538,416, dated April 30, 1895.

Application filed September 13, 1894. Serial No. 522,871. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HORNICH, 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 letters of reference marked thereon, which form a part of this specification.

The objects of this invention are to secure the parts together more effectually; to simplify and reduce the cost of construction; to facilitate the operation of securing the button to and removing it from a garment, and to secure other advantages hereinafter referred to.

The invention consists in the improved button, and in the combination and arrangement of the parts thereof, as herein set forth and finally pointed out in the clauses of the claims.

Referring to the accompanying drawings, in which similar letters of reference indicate corresponding parts in each of the several figures where they occur, Figure 1 represents in plan a button embodying my improvements and showing one method of securing the same to a garment, a fragment of which is shown in the figure. Fig. 2 represents a plan view of a modified form of the button. Fig. 3 is a central transverse section of the same, taken through line *x* of Fig. 2. Figs. 4, 5, and 6 are detail views of several forms or modifications of the central portion or fastener, illustrating the method of securing the parts of the button together and to the garment; and Fig. 7 is a sectional view similar to Fig. 3 with the fastener extending entirely through the button.

In said drawings, *a*, represents the back shell of the button, and *b*, the front or binding ring which incloses the outer rim of the back shell, and closes down upon the outer covering or face of the button at the outer edge so as to firmly bind and hold the parts together and form a raised bead, *c*, at the outer rim of the button; or the binding ring may be omitted, if preferred.

The back shell I usually make dish-shaped

and of metal, though it may be of any suitable material, such as paper, celluloid, or any other appropriate plastic material, and insert therein a filler, *c'*, of paper or other suitable material.

The front section of the button consists of a disk or plate, *d*, of sheet metal, paper, celluloid, or other appropriate material, and a facing, *e*, of woven fabric either plain or ornamented and cemented thereto, as will be understood by reference to the drawings. The front facing and disk are further secured together by a perforated metal fastener, *f*, of circular, oval, or other desired form, as illustrated in Figs. 4, 5 and 6, doubled upon itself at the outer margin, as at *g*, and then bent outward forming a flange or flanges, *g'*, substantially at right angles with the face, *h*, thereof, and preferably leaving the latter sunken or depressed to give it an ornamental appearance; the whole being composed of one piece of metal.

The fastener is inserted through a perforation or aperture cut through the central portion of the section and corresponding in size and shape with the flange of the fastener, and then the edge of the flange is turned outward and clinched upon the inner surface of the section, as at *i*, or upon the back, firmly binding the parts together, as will be understood upon reference to Fig. 3.

The back section, *a*, *c*, may be perforated so as to register or be in line with the perforations in the fastener, and the parts be secured together by means of hollow rivets, as at *j*, Fig. 3; or the hollow rivets may be dispensed with if preferred, especially in the cheaper class of buttons, the edge or rim of the perforations, in such case, being rounded upon the outside so as not to cut or abrade the fastening threads or cords; or the fastener may pass through all the parts, if preferred, and be secured upon the back of the shell in the same manner that it is shown to be secured to the inner surface of the front section in Fig. 3, as will be readily understood.

The central portion of the fastener may have two or more perforations. In the former case, if preferred, the buttons may be fastened to a garment by a cord and tied upon the back or inside of the garment, as indicated by the dotted lines at the left of Fig. 1, or upon the

outside, by a fancy knot, as indicated at the right of said figure, thereby making it possible and easy to remove the buttons from the garment when it is necessary or desirable to
5 clean the latter, and tie them on again afterward. If preferred, however, the buttons may be sewed to the garment in the usual manner.

Having thus described my invention, what I claim as new, and wish to secure by Letters
10 Patent of the United States, is—

1. The improved button herein described in which is combined a front section composed of two or more disks or layers secured together by means of a perforated fastener doubled upon
15 itself at the outer margin and having a flange substantially at right angles with the face thereof, which is passed through an aperture formed in said section, and clinched upon the inner surface thereof, a dish-shaped back in
20 which a filler and the front section are seated, and a binding ring which incloses the outer rim of the shell and is closed down upon the outer covering or face of the button at the outer edge, thereby firmly binding and hold-
25 ing the parts together and forming a raised bead around the outer edge or rim of the button, substantially as set forth.

2. The herein described button provided with perforated disks, a perforated fastener through said disks, said fastener being dou- 30 bled upon itself at the outer margin thereof to form a shoulder thereat, and having a flange projecting substantially at right angles with the face thereof, which passes through and is clinched upon said disks to secure them 35 together, substantially as set forth.

3. The herein described button provided with perforated disks, a perforated fastener through said disks, said fastener being dou- 40 bled upon itself at the outer margin thereof to form a shoulder thereat, and having a flange projecting substantially at right angles with its face, which passes through and is clinched upon said disks to secure them together, and a rim around the outer edges of said disks, 45 substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of September, 1894.

WILLIAM HORNICH.

Witnesses:

OLIVER DRAKE,
ROBERT SOLLBERGER.