

(No Model.)

W. E. JACKSON.
BUTTON.

No. 474,252.

Patented May 3, 1892.

Fig. 1.

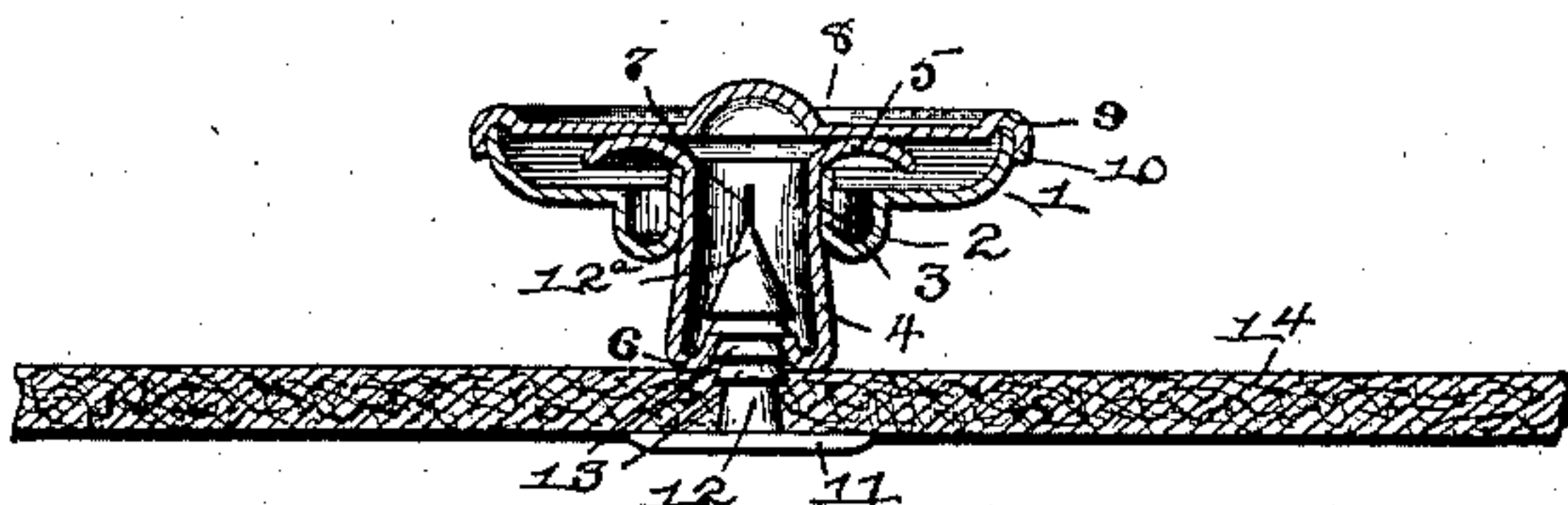


Fig. 2.

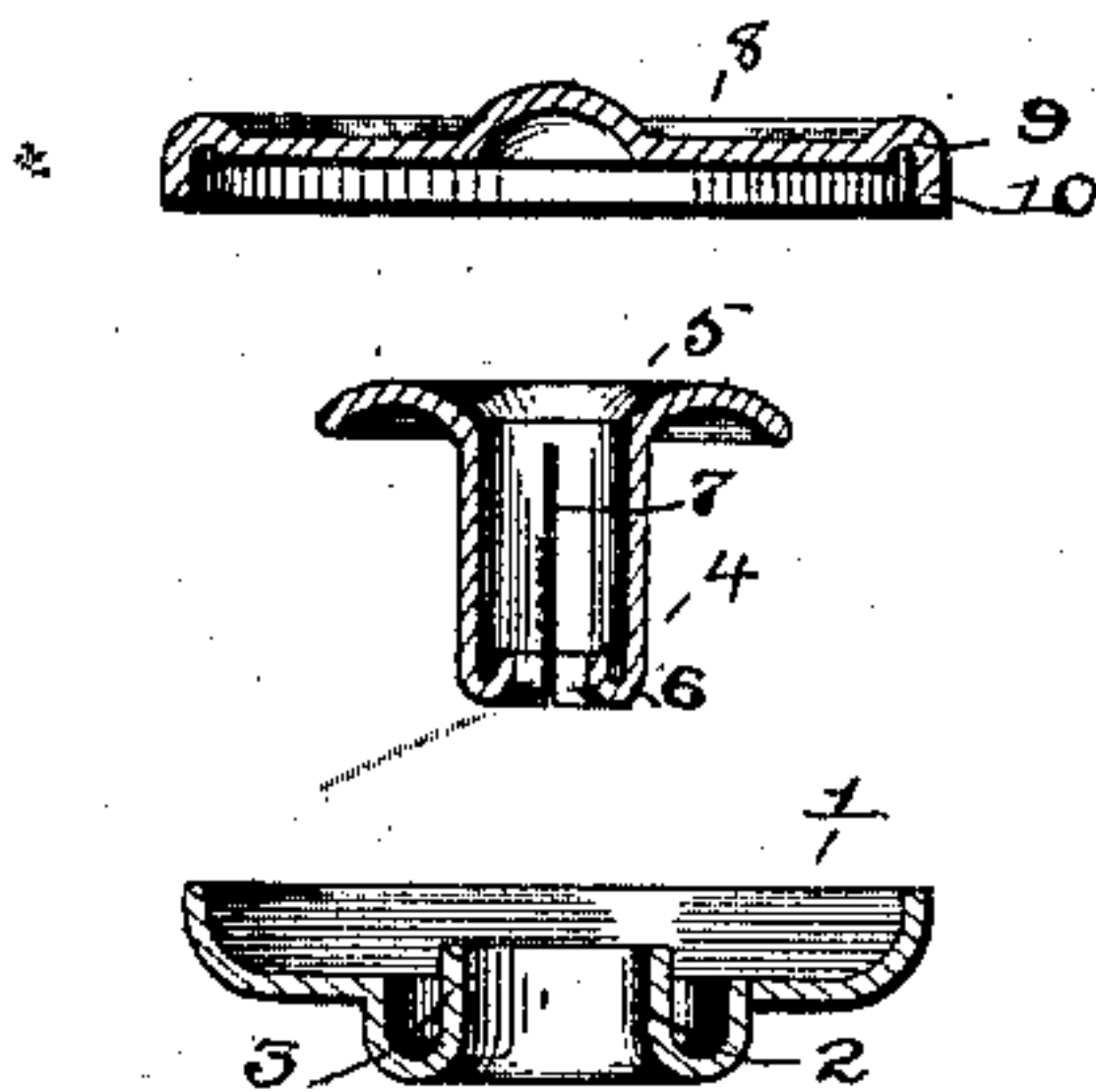
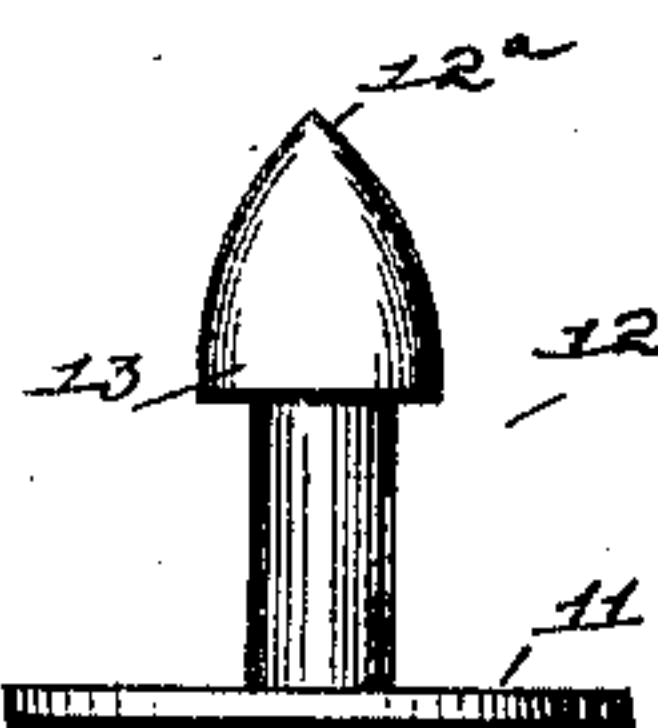
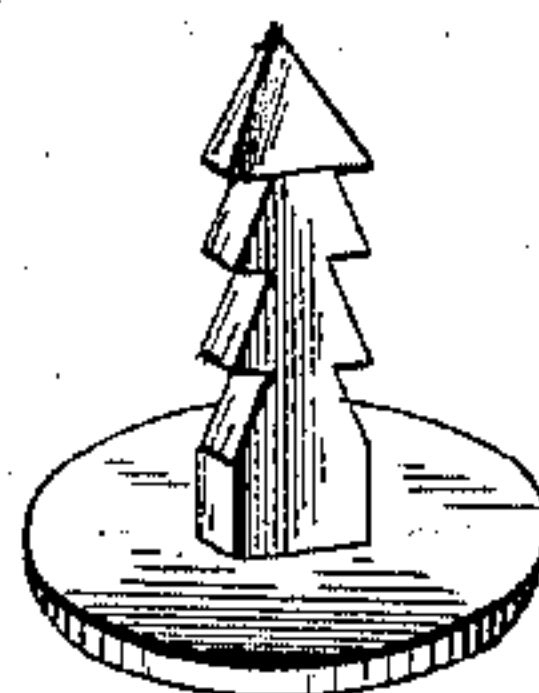


Fig. 3.

Fig. 4.



Witnesses:

E. S. Duwall, Jr. By his Attorneys,
W. E. Small.

Inventor

Wallace E. Jackson.

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

WALLACE E. JACKSON, OF WATERBURY, CONNECTICUT.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 474,252, dated May 3, 1892.

Application filed August 7, 1891. Serial No. 402,019. (No model.)

To all whom it may concern:

Be it known that I, WALLACE E. JACKSON, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Button, of which the following is a specification.

This invention relates to improvements in buttons and fasteners for the same and to that class of buttons adapted for use upon apparel.

The objects of the invention are to provide a button of simple and economic construction that is adapted to be applied and securely fastened to apparel of varying thicknesses of cloth, and not to require in such application the use of any tools.

Other objects and advantages of the invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a section of a button constructed in accordance with my invention, the same being applied to a piece of cloth. Fig. 2 is a similar view, the parts being separated and the button shown in detail. Fig. 3 is a detail in elevation of a modified form of fastener. Fig. 4 is a perspective detail of a second modified form of fastener.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates the concaved back of the button, which is struck up of sheet metal and is circular in plan. At its center the back is provided with an opening 2, and the edge of said opening is surrounded by an annular depression forming an outwardly-disposed annular flange or collar 3.

Passed through the opening 2 is the cylindrical body portion 4 of a metal tubular hub, which body portion at its upper end is flared to form an enlarged head 5, adapted to overlap the flange 3 of the back 1, as shown. The lower end of the tubular hub is inwardly disposed to form an annular shoulder 6, and said hub and shoulder are at diametrically-opposite points longitudinally split, as at 7, so that the opposite sides of the hub are resilient and will yield to the forced introduction of the herein-described fastener.

8 designates the circular sheet-metal face-

plate or cap of the button, which may be decorated or ornamented by stamping or otherwise in any suitable manner. This plate is greater in diameter than the back of the button and is surrounded by a bead 9 and terminates at its edge in a flange 10, designed to receive the outer edge of the back and to engage the same, the edge of the back taking into the bead 9 of the cap or face-plate.

The fastener consists of a circular base 11, from which rises the stud 12, of a diameter about agreeing with the internal diameter of the body portion 4 of the hub, the end of the stud being cone-shaped or reduced to form a penetrating-point 12^a.

Between the penetrating-point 12^a and the base 11 the stud is provided with one or a series of annular inclined shoulders 13, a stud having but one shoulder being illustrated in Fig. 3 as a modified form. By the provision of the series of shoulders, however, the stud is adapted for various thicknesses of cloth 14, and thus a stud of one length is adapted for use upon apparel at various points. Sometimes, however, where the buttons are designed for a specific use upon thin goods, but one engaging shoulder need be formed, and thus the cost of the button somewhat decreased.

To apply the button, the fastener is pushed through from the inside of the cloth, which process is facilitated by the penetrating-point 12, formed on the stud, after which the rear end of the tubular hub is introduced upon the stud and the fastener and the button forced together, the penetrating-point entering the cylindrical body portion of the hub, which body portion, as before stated, yields to the introduction, and the introduction may be continued until the stud, in conjunction with the cylindrical body portion of the hub, constitutes a shank of sufficient length, when it will be seen that the shoulders 6, having passed beyond one or more of the shoulders 13 of the stud, will have engaged with the shoulders of the stud, and a withdrawal of the button from the stud without the breakage of the former is impossible.

From the foregoing description it will be seen that I have provided a button of great simplicity, strength, and durability, one that can be readily applied to various thicknesses

of cloth, and is therefore adapted for numerous uses, which requires in its application the utilization of no tools, and which is adapted to be readily applied by hand and by un-
5 skilled persons.

In Fig. 4 I have shown a second modified form of fastener, which may have one shoulder 13, as in Fig. 3, or may have more, as shown; but the difference between this fast-
10 ener and the others elsewhere shown is that it is flat, and hence can be stamped out of sheet metal, instead of being turned or cast. Its greatest width is equal to the diameter of the other fasteners, and hence its use is prac-
15 tically the same.

Having described my invention, what I claim is—

1. The herein-described improved button, consisting of the back having a central open-
20 ing, the hollow tubular cylindrical hub passed through the opening, terminating at its inner end in a head larger than the opening, at its rear end bent inwardly within itself to form an annular shoulder and longitudinally split
25 to render yielding the face-plate or cap fitting over the back of the button and having

its edge engaging that of the back, and the fastening device comprising a base and a stud reduced at its forward end to form a penetrating-point and between its end and base 30 provided with a series of annular shoulders for engaging the shoulder of the tubular hub, substantially as specified.

2. The herein-described improved button, the same comprising the body portion of the 35 button and the rearwardly-disposed hollow cylindrical hub, the rear end of which is inwardly turned or bent within itself to form an annular flange and split, whereby the same is yielding, and the fastening device 40 comprising the base and stud rising therefrom, the latter being provided with a shoulder for engaging the flange of the hub, substantially as specified.

In testimony that I claim the foregoing as 45 my own I have hereto affixed my signature in presence of two witnesses.

WALLACE E. JACKSON.

Witnesses:

JOHN BURNES,

WM. J. SCHLEGEL.