

(No Model.)

R. HÖRMANN.
BUTTON.

No. 594,797.

Patented Nov. 30, 1897.

Fig. 1.

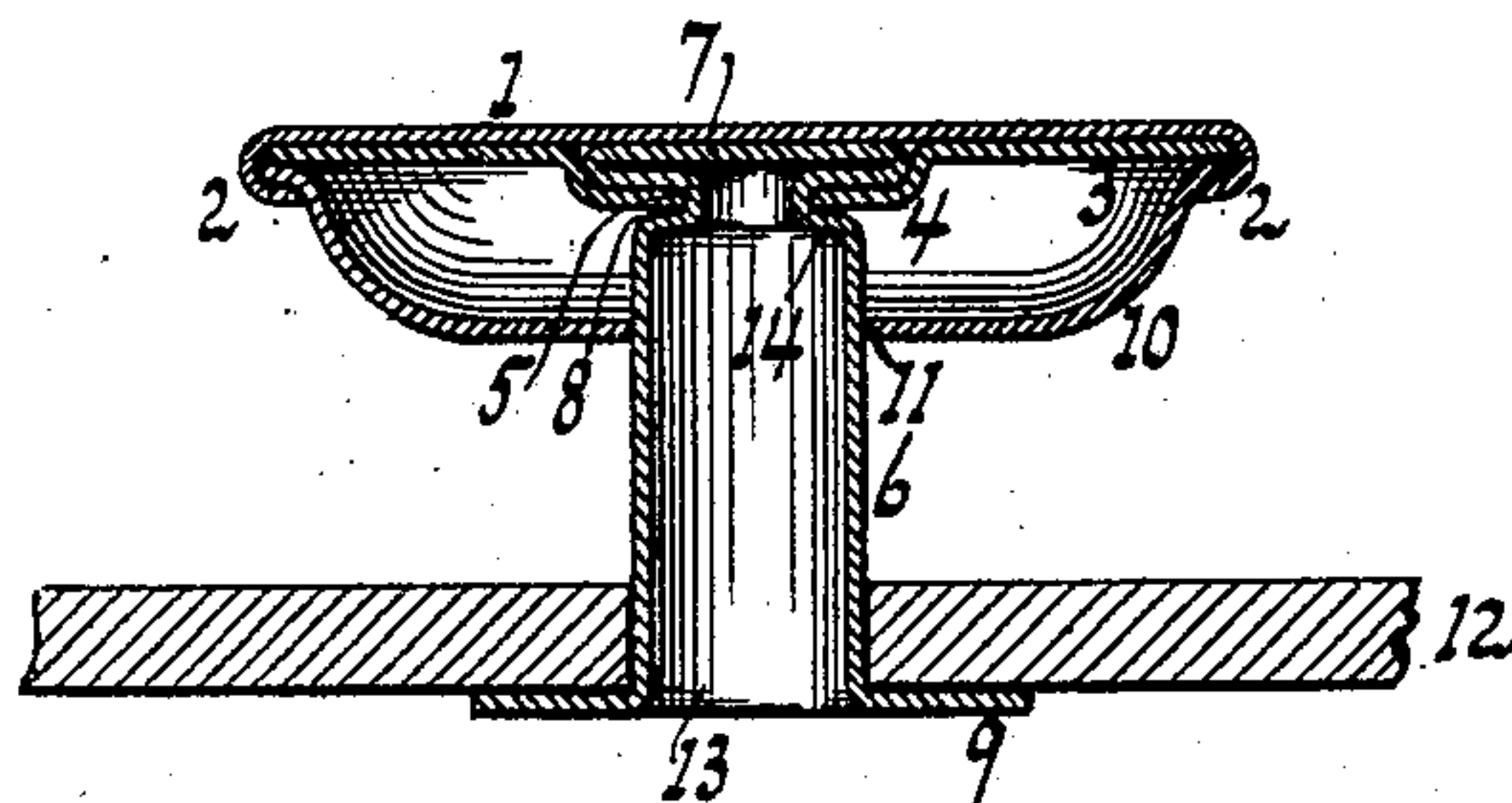


Fig. 2.

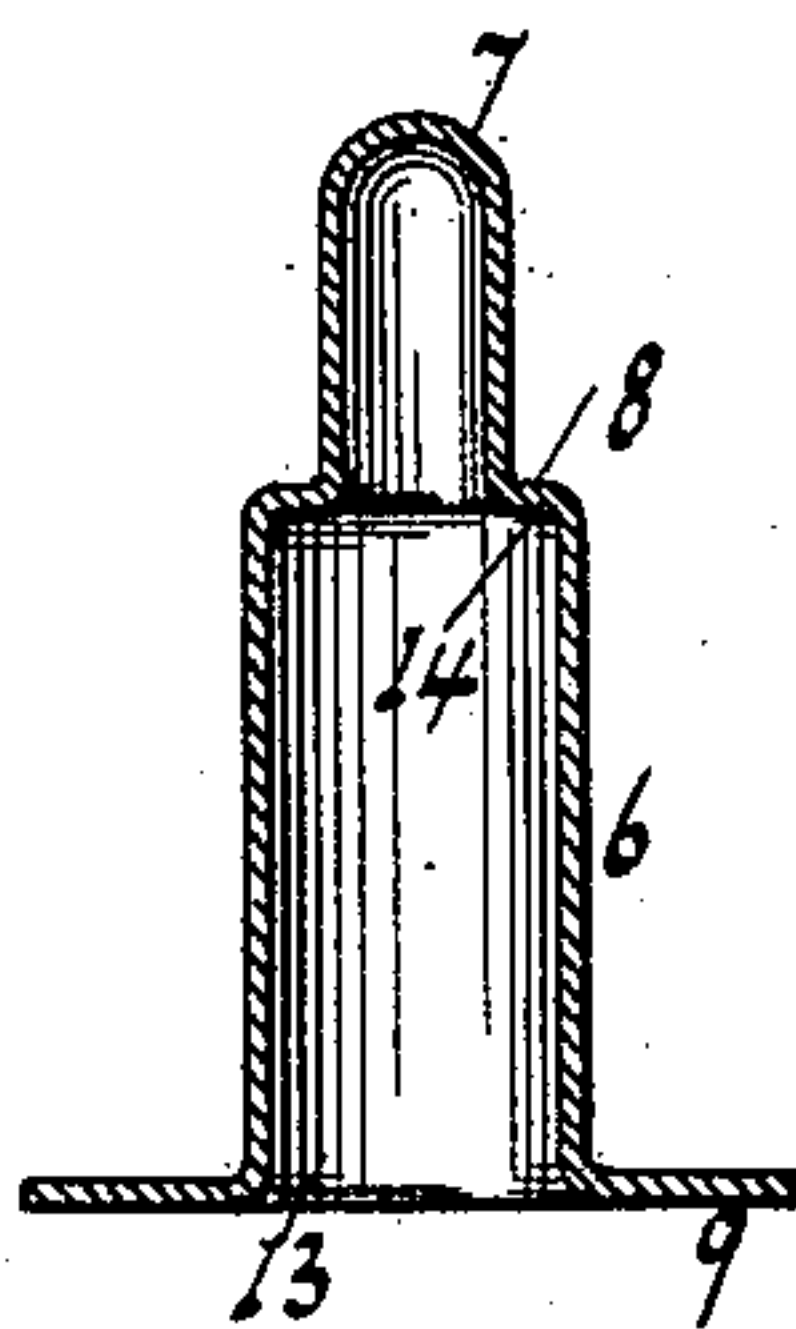
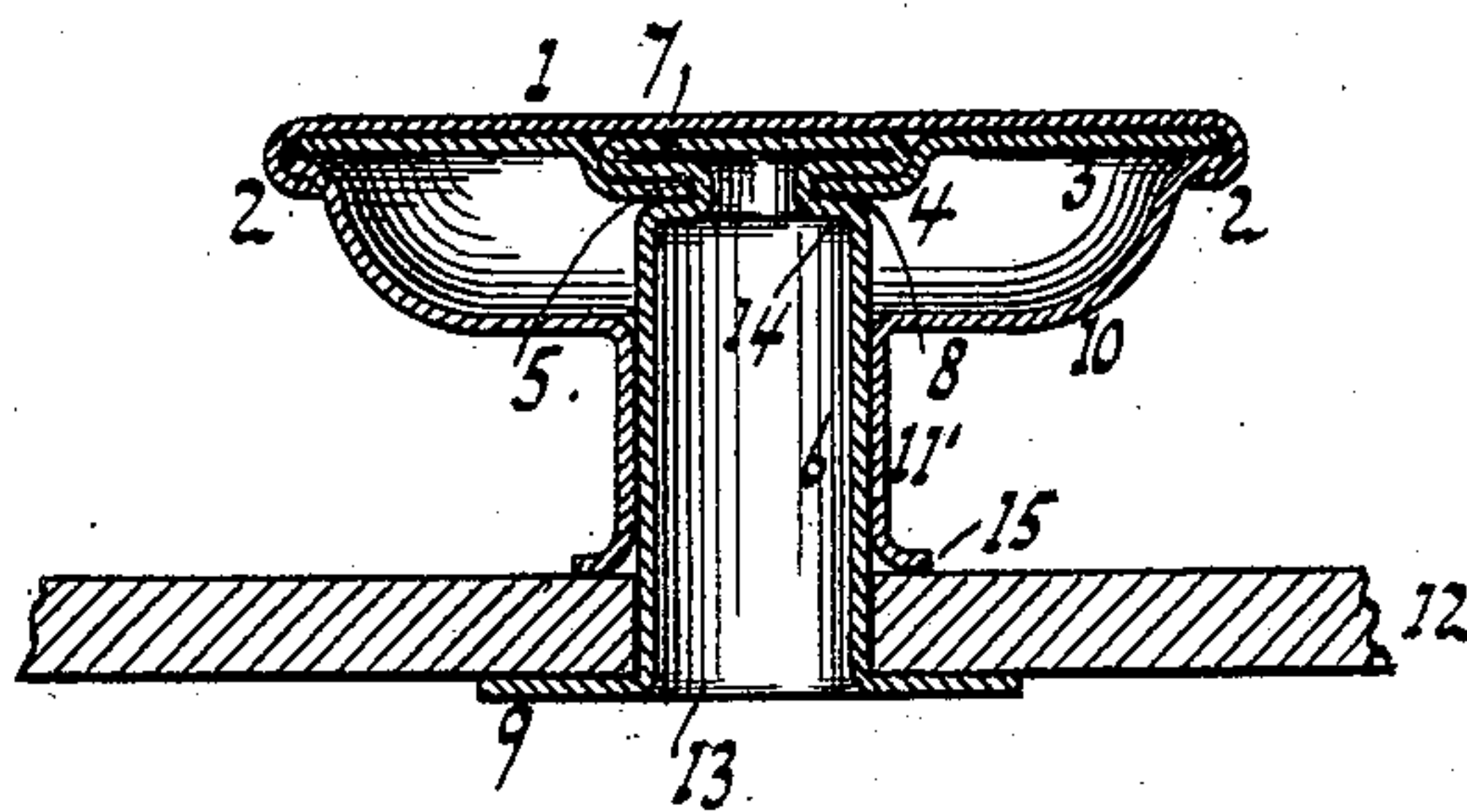


Fig. 3.



WITNESSES:

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RUDOLPH HÖRMANN, OF HOBOKEN, NEW JERSEY.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 594,797, dated November 30, 1897.

Application filed July 1, 1897. Serial No. 643,132. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH HÖRMANN, a citizen of the United States, residing at Hoboken, in the county of Hudson and State of New Jersey, have invented new and useful Improvements in Buttons, of which the following is a specification.

This invention relates to a button of simple construction and readily applied; and the invention resides in the novel features of construction set forth in the following specifications and claims, and illustrated in the annexed drawings, in which—

Figure 1 is a sectional elevation of the button. Fig. 2 is a sectional elevation of a tube before compression or riveting. Fig. 3 shows a modification.

The button comprises a top closed at its upper portion 1 and flanged at its edge 2. To this button top or disk 1 is secured the clamping-plate 3. This plate 3 has its edge clamped or held by the flange 2 on button-top 1, and said clamping-plate 3 has a dished center 4, with central orifice 5. A tube 6 is shown with a contracted upper portion 7, forming a shoulder 8, near the top end of the tube. This tube has its lower portion flanged, as seen at 9.

The body-piece 10 of the button is clamped at its upper edge to the button-top 1 or its flange 2, and has a central orifice 11 made to receive or clasp the wider or body part 6 of the tube.

When the tube 6 has its upper portion 7 passed through a perforation in the fabric or cloth 12, the tube-flange 9 is brought to or against one side of said fabric. The button-body 11 being then slipped onto the tube the upper or contracted part 7 of the latter passes through the orifice of the clamping-plate 3 and strikes against the closed button-top 1. Pressure suitably applied causes the upper or contracted tube portion 7 to be flattened or riveted between the button-top 1 and the clamping-plate 3.

The bottom of the tube 6 is open, as seen at 13, and this open bottom allows a stem or tool to be passed into the tube to the inner shoulder 14, formed in the tube by the contraction or narrow top 7. This stem supporting the tube while the button-top 1 is compressed onto the tube-top 7 will confine such compression or flattening to such tube-top.

The body 6 is thus prevented from being buckled or bent, while the tube-top 7 is secured or flattened between the button-top 1 and the clamping-plate 3 or its dished part 4.

The orifice 5 of the clamping-plate 3 is of smaller diameter than the tube-body 6, so that the dish 4 after slipping over the tube-top 7 comes to rest on the outer shoulder 8 as said shoulder approaches the button-top 1 by the compression of the tube-top 7. The movement of shoulder 8 toward button-top 1 also tends to somewhat flatten the dish 4 and thereby contract the orifice 5, so that the plate 3 not only rests on shoulder 8, but is also firmly clasped to the tube-top 7.

The tube has its side and top closed throughout, having no slot or opening except the open bottom 13. The tube is thus readily and quickly formed, and its contracted top 7 and the smooth or unbroken side of its body 6 enable the tube to be readily passed into a perforation in the cloth 12.

The button-body 10 may have its orifice or central perforation 11 replaced by or formed as a tube 11', Fig. 3, the bottom or flange 15 of which sits against the cloth 12. The cloth being clamped or held between the tube parts 15 and 9 the button or its tube 6 is prevented from sliding or shifting back and forth through the cloth 12.

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

1. A button comprising a tube having a flanged lower portion, and a contracted upper portion forming a shoulder near the top end of the tube, a closed top for the button, a clamping-plate having its edge clamped to the button-top and provided with a dished center and central orifice, and a body-piece clamped at its edge to the button-top and having a central orifice made to receive or clasp the wider or body part of the tube, said tube having its bottom open and its side and top closed and having its upper or contracted portion flattened or riveted between the button-top and the clamping-plate and said clamping-plate being made to rest its dished portion on the tube-shoulder substantially as described.

2. A button comprising a tube having a flanged lower portion, and a contracted upper portion forming a shoulder near the top

end of the tube, a closed top for the button,
a clamping-plate having its edge clamped to
the button-top and provided with a dished
center and central orifice, and a body-piece
5 made to inclose the clamping-plate, said body-
piece being clamped at its edge to the button-
top and having a central perforated portion
of tubular form to receive or clasp the wider
or body part of the tube and to extend there-
10 along toward the tube-flange, said tube hav-
ing its bottom open and its side and top closed
and having its upper or contracted portion

flattened or riveted between the button-top
and the clamping-plate and said clamping-
plate being made to rest its dished portion on 15
the tube-shoulder substantially as described.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing
witnesses.

RUDOLPH HÖRMANN.

Witnesses:

W. C. HAUFF,
E. F. KASTENHUBER.