

(No Model.)

T. R. HYDE, Jr.
BUTTON.

No. 539,225.

Patented May 14, 1895.

Fig. 1.

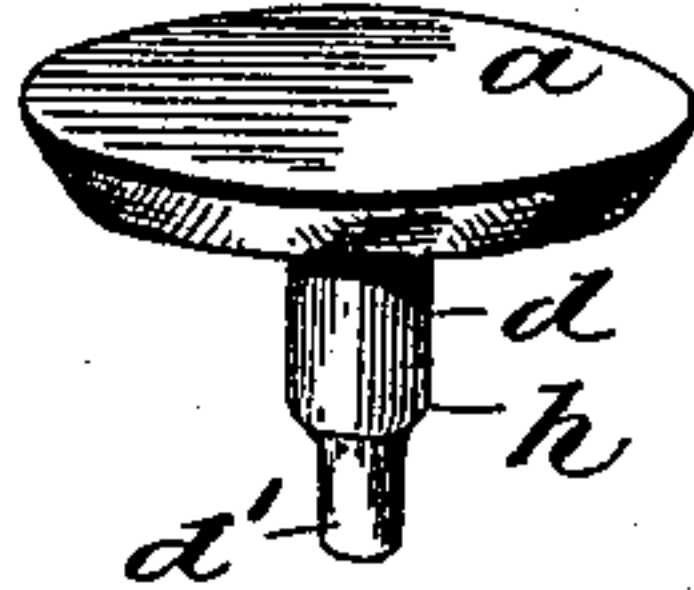


Fig. 2.

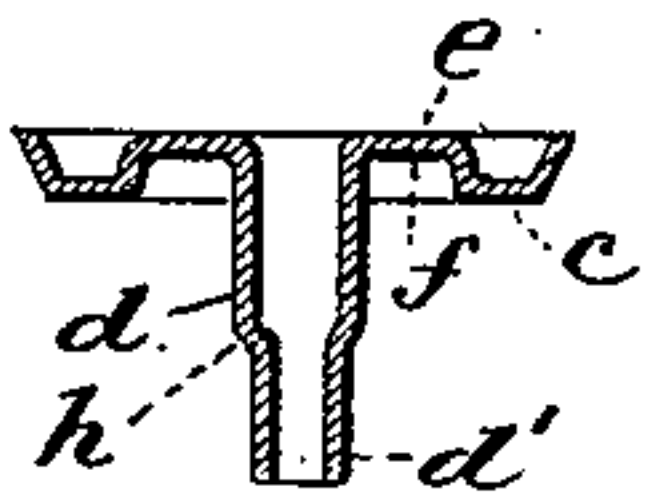


Fig. 3.

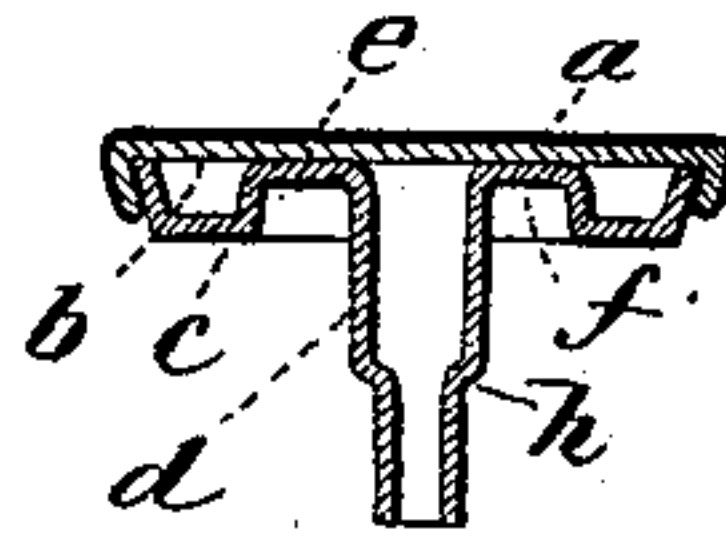


Fig. 4.

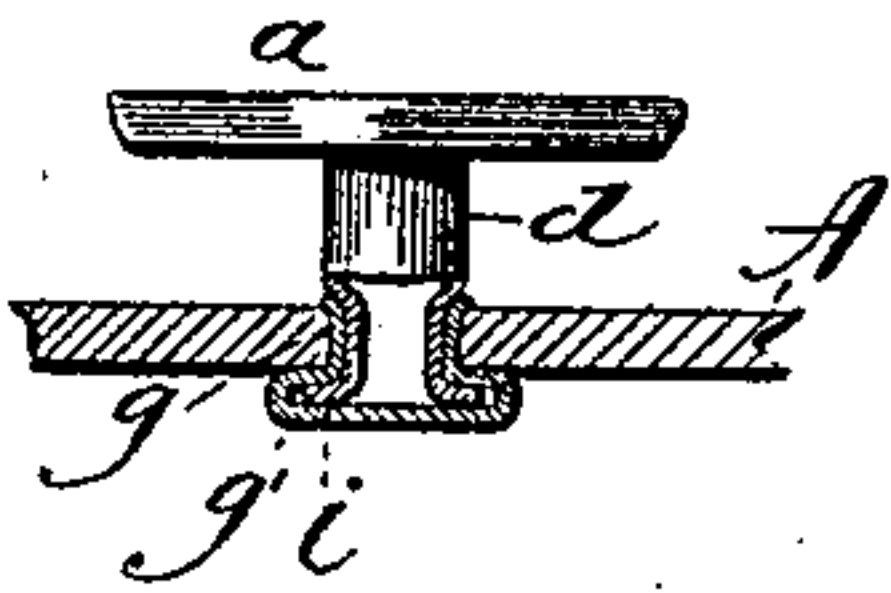
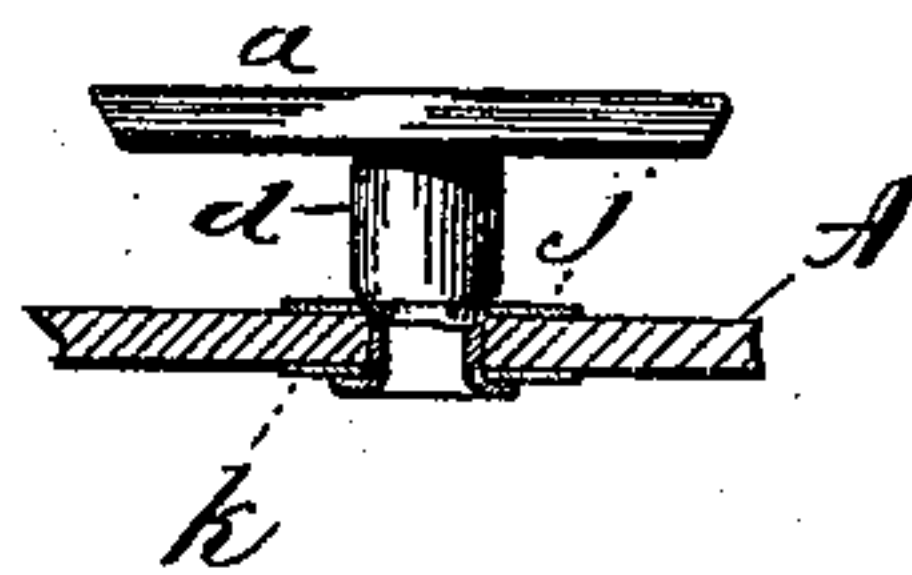


Fig. 5.



Witnesses
J. H. Shumway
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UNITED STATES PATENT OFFICE.

THEOPHILUS R. HYDE, JR., OF WATERBURY, CONNECTICUT, ASSIGNOR TO
THE SCOVILL MANUFACTURING COMPANY, OF SAME PLACE.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 539,225, dated May 14, 1895.

Application filed August 7, 1893. Serial No. 482,595. (No model.)

To all whom it may concern:

Be it known that I, THEOPHILUS R. HYDE, Jr., of Waterbury, in the county of New Haven and State of Connecticut, have invented a new Improvement in Buttons; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of my improved button; Fig. 2, a vertical section through the integral back and shank; Fig. 3, a vertical section of the complete button; Fig. 4, a vertical section showing one means of fastening the button to the material, and Fig. 5 a similar section showing another means of fastening it.

My invention relates to an improvement in buttons, and especially to that class of buttons which are provided with projecting shanks at their backs which take bearing upon the surface of the material to which the button is attached, and leave a space between the back of the button and the said material, and the object of the invention is to afford a bearing for the shank directly upon the face of the button so as to strengthen and make it firm, and this is accomplished by stamping the back in such shape as to form an inwardly projecting bead or ridge around the base of the shank which bears upon the face of the button, and at the same time the back with its bead or ridge is formed of such depth as to give the necessary thickness to the button.

The invention is shown in connection with a cloth covered button and in the drawings *a*, indicates the cloth cover, *b* the face, and *c* the back of the button. The face *b* is struck up from sheet-metal, and it may be closed upon the edge of the back *c*, as shown, or the back may be closed upon the edge of the face, in order to secure the cloth *a*, to the button, and the said members to each other. While a cloth cover is shown, I do not limit myself thereto, as it can evidently be dispensed with. Before the face and back are joined, the latter, which is made also from sheet-metal, is formed with an integral tubular shank *d*, on its outer side and with an inwardly projecting

annular bead or ridge *e*, on its inner side, concentric with the said shank, the inner portion of the bead or ridge being merged into the base of the shank. The said parts, the back *c*, shank *d*, and bead or ridge *e*, are all of the same thickness, preferably, and are stamped into such shape, out of one piece of metal, as that when the members are assembled, the said bead or ridge will take against the inner side of the central portion of the face *b*, and thus afford a bearing for the base of the shank against the face. In making the bead or ridge, an annular depression or groove *f* is formed on the outer side of the back surrounding the shank.

The lower end *d'* of the shank is contracted so as to pass through and take a bearing on the material or on a socket attached to the material *A*, at the button side.

In Fig. 4 an eyelet *g*, provided with a cloth-covered or other suitable collet or head *g'* is shown attached to the material *A*. As is usual the shoulder *h* surrounding the contracted end *d'* bears upon the eyelet on its side, while the said end is passed through the eyelet and turned over upon the collet or head *g'* as shown at *i*. This is one method of fastening the button to the material. Another method is to pass the contracted end *d'* through an annular washer or flange *j*, on which the shoulder *h* bears, on the button side, as shown in Fig. 5, and through a flat collet *k*, on the opposite side, against which its edge is turned.

Other means of fastening might be shown, but as they are common to the art, they are evident and their illustration and description may be dispensed with.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a button the combination with the face thereof, of an integral tubular back and shank, and a fastening device having a central opening adapting it to be applied to the outer end of the said shank which is upset for securing the said device in place, the said back being constructed with an inwardly projecting annular bead or ridge surrounding the base of the tubular shank and merging directly thereinto, and taking an extended

bearing directly upon the inner face of the button face, the edge of which is connected with the edge of the back, substantially as described.

- 5 2. A button comprising a back, shank and face, having its back and shank formed integral with each other, and its back constructed with an inwardly projecting annular bead or projection surrounding the base of the shank,
10 and taking an extended bearing upon the inside of the button face the edge of which is connected with the edge of the back, and the button-shank having its outer end contracted

to form a shoulder; in combination with a fastening device adapted to take a bearing 15 upon the shoulder of the shank, and having a central opening through which the contracted end of the shank passes, substantially as described.

In testimony whereof I have signed this 20 specification in the presence of two subscribing witnesses.

THEOPHILUS R. HYDE, JR.

Witnesses:

CHARLES FEHL,
HENRY FEHL.