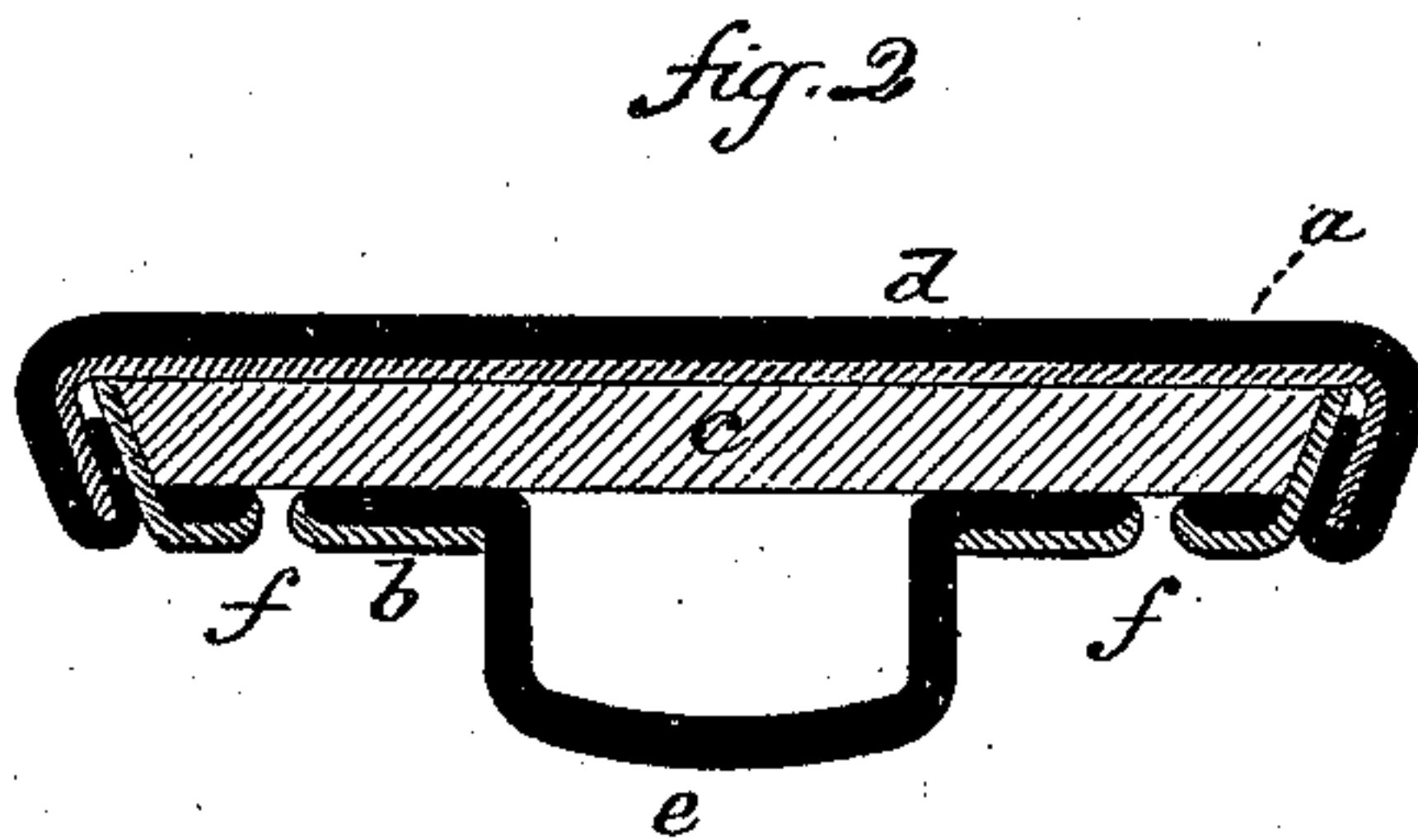
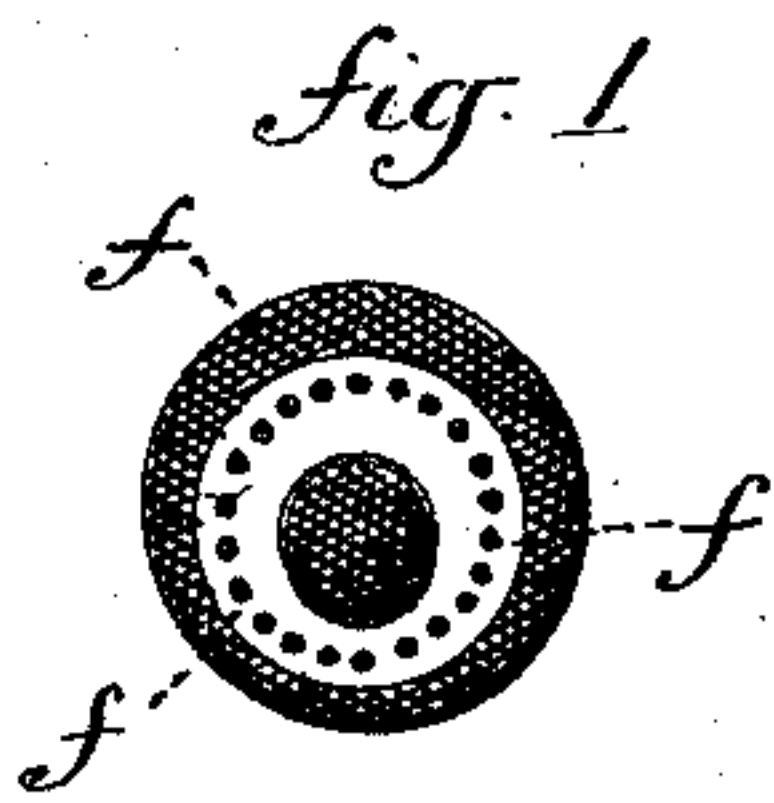


J. R. SMITH.

BUTTON.

No. 174,161.

Patented Feb. 29, 1876.



Witnesses.

H. H. Shumway

Clara Broughton.

Jos. R. Smith
Inventor

By Atty.

Chas. E. Earle

UNITED STATES PATENT OFFICE.

JOSEPH R. SMITH, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE
WATERBURY BUTTON COMPANY, OF SAME PLACE.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. **174,161**, dated February 29, 1876; application filed
January 17, 1876.

To all whom it may concern:

Be it known that I, JOSEPH R. SMITH, 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, perspective view of the rear of the button; Fig. 2, central section.

This invention relates to an improvement in fabric-covered buttons, and such as are constructed with a fabricated protuberance on the rear, by means of which to stitch the button to the garment.

In the manufacture of this class of buttons, the fabric which forms the said protuberance is placed between the metallic disk which forms the back and the filling, the parts being closed together, and depending upon the strength of the closing to retain the fabric. The center of this rear fabric protrudes through a perforation in the back, to afford means for securing the button; hence all the strain brought upon the button comes upon this fabric, and it frequently happens that it is drawn out so as to loosen or free the button.

The object of this invention is to prevent the possibility of the drawing out or displacement of the fabric; and it consists of a series of inward perforations, forming a roughened inner holding-surface in the back of the button, to form a burr on this disk, to enter the fabric

between the disk and the filling, so as to securely hold the fabric in place, as more fully hereinafter described.

a is the outer disk, and *b* the inner; *c*, the filling; *d*, the front fabric, and *e* the protuberance by which the button is secured. The disks are each formed in cup shape, the one to set within the other, with a filling, *c*, between, the outer fabric drawn over and turned within the edge of the front disk *a*, and that portion of the fabric *e* which is to form the center is placed between the rear disk and the filling *c*, then all closed together at the rear edge, so as to securely bind the parts. Usually the disk *b* has been left plain, depending upon the friction between the disk *b* and the filling to hold the fabric *e*.

In this improvement numerous perforations, *f*, are made into the disk *b* after the button is closed, or in the process of closing, so as to form burrs upon the inside, entering or engaging with the fabric. These burrs so firmly hold the fabric as to prevent the possibility of its displacement; hence the button is greatly strengthened and its durability increased.

I claim—

An improvement in the manufacture of covered buttons, consisting of the perforations in the rear disk, whereby the inner or holding surface of the disk is roughened, substantially as and for the purpose set forth.

JOSEPH R. SMITH.

Witnesses:

C. R. BALDWIN,
E. S. HAYDEN.