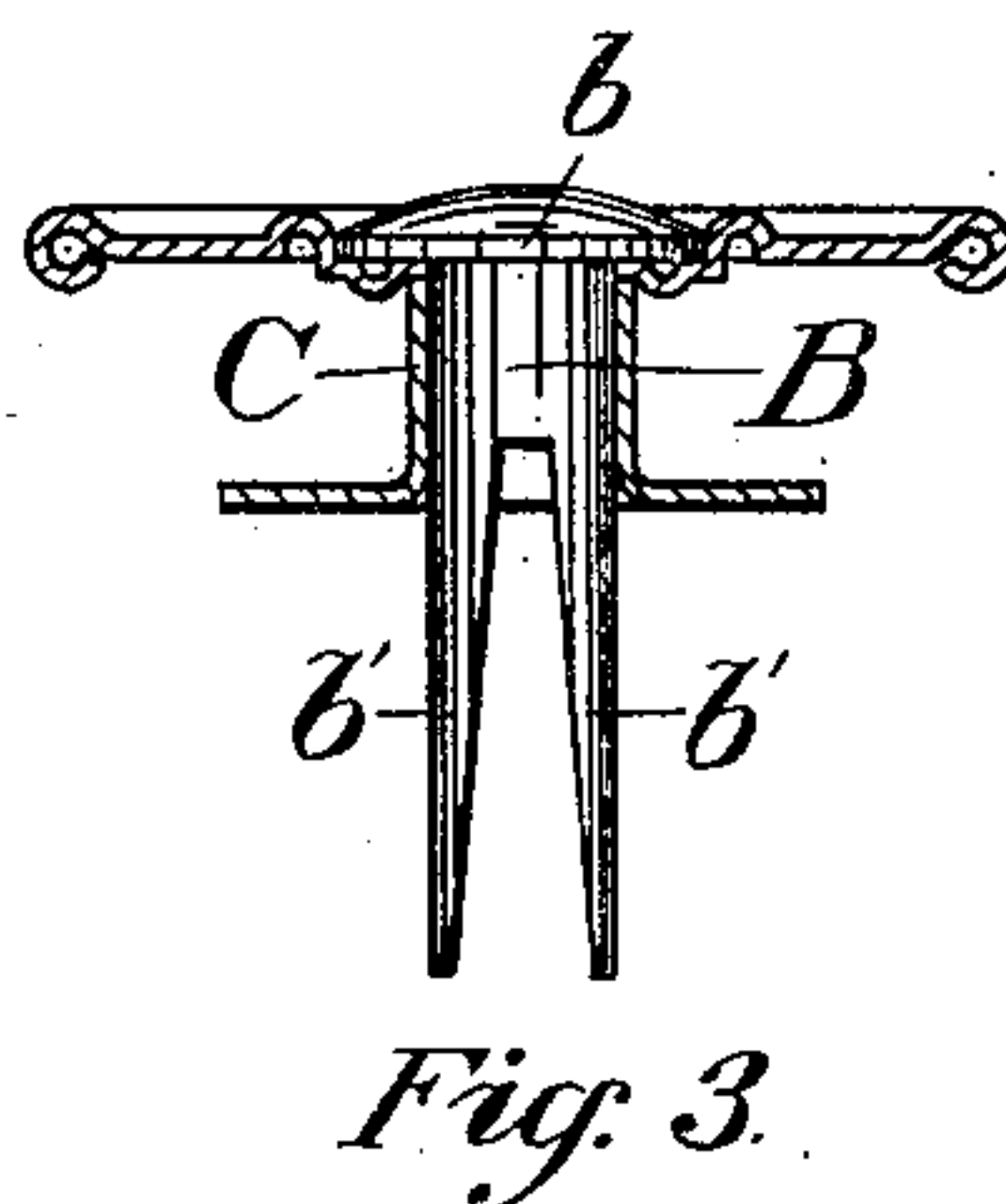
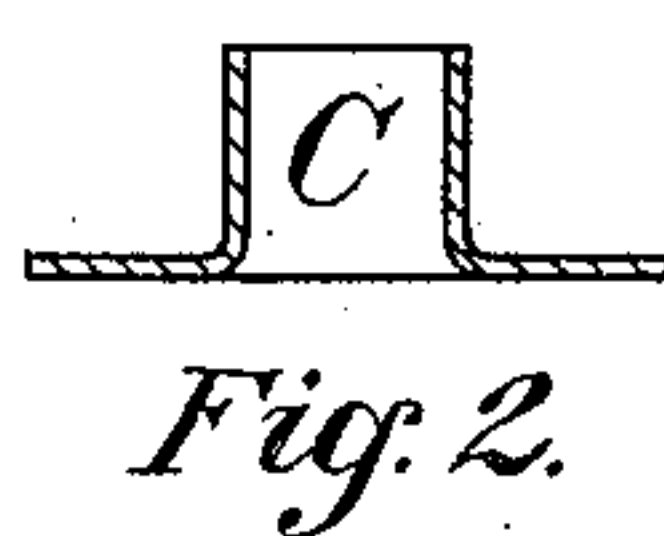
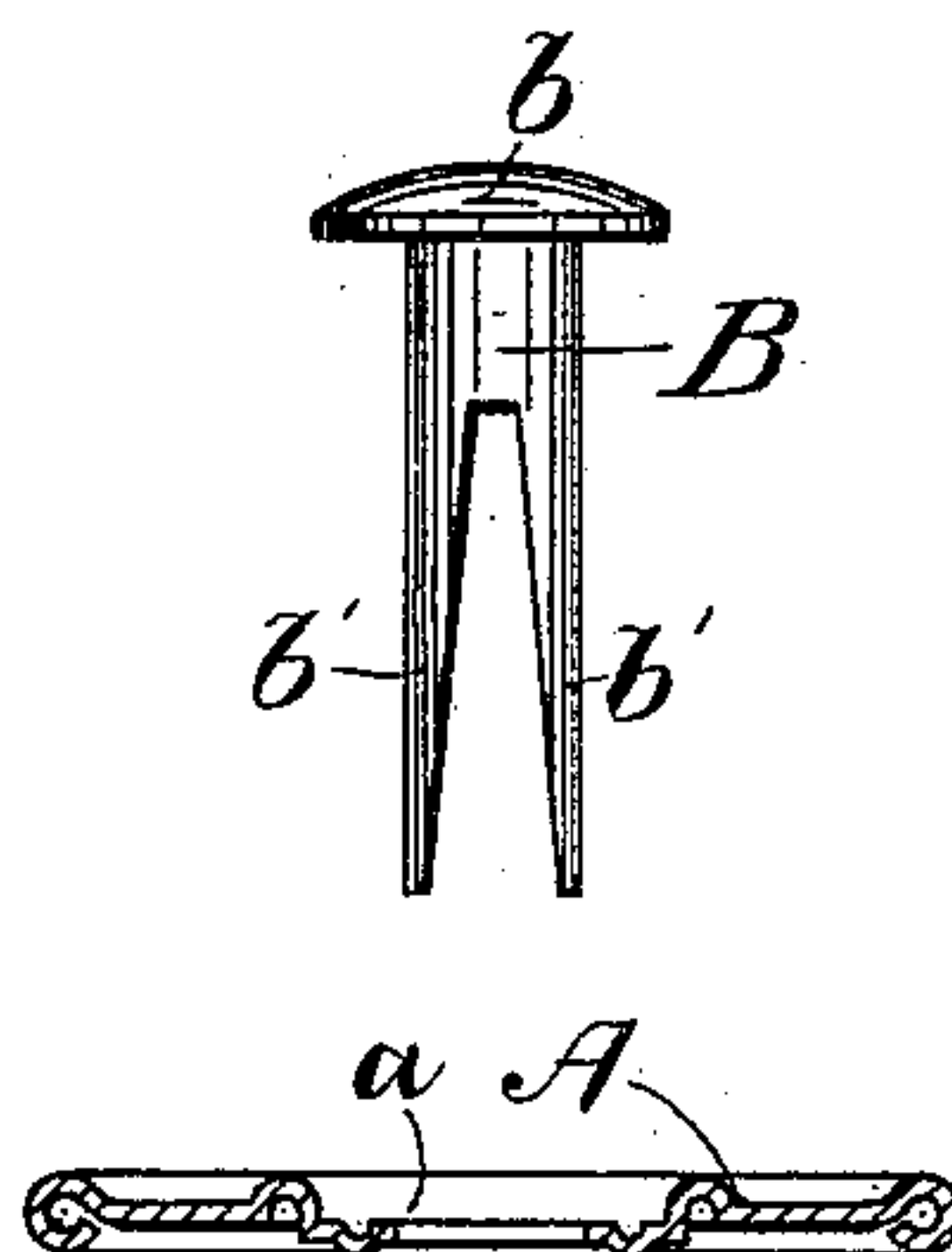
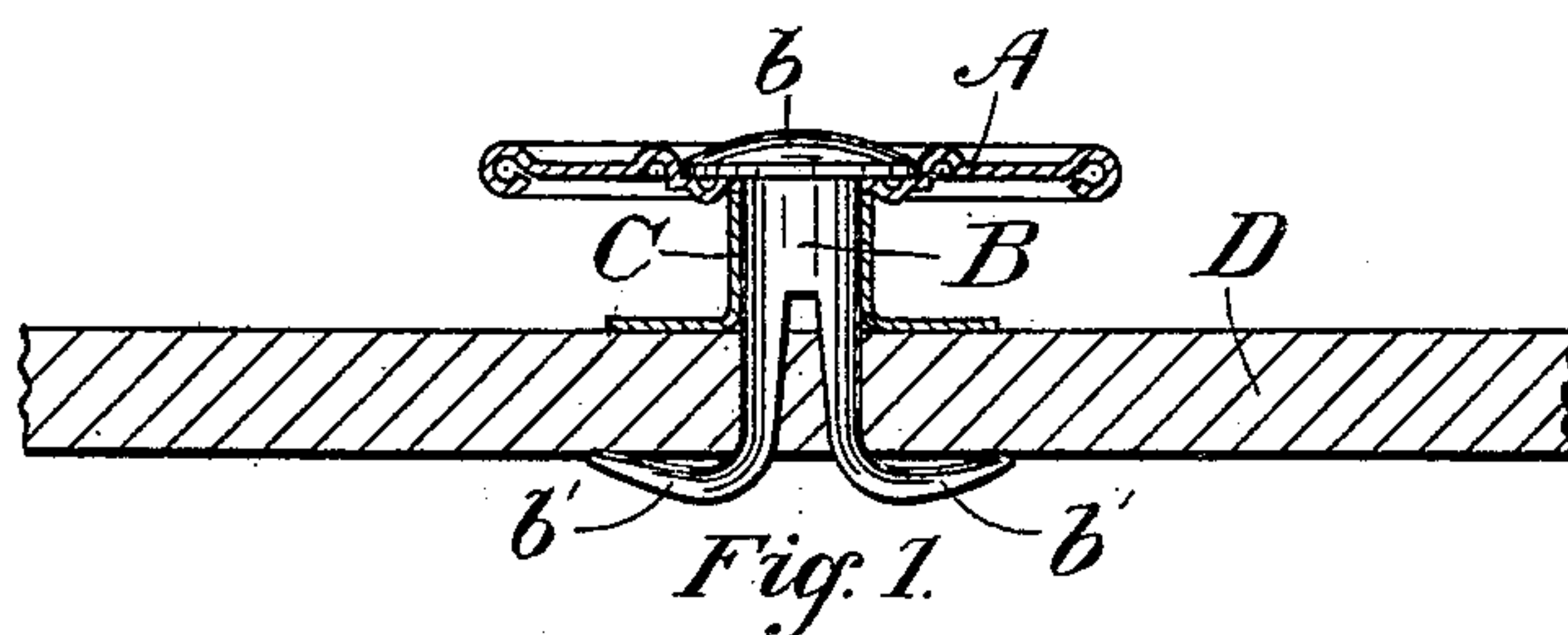


(No Model.)

F. E. HALL.  
BUTTON.

No. 496,155.

Patented Apr. 25, 1893.



Witnesses

Albert E. Leach  
E. H. Gilman

Inventor

Frank E. Hall  
by *Wm. H. Dwyer*  
Atty.

# UNITED STATES PATENT OFFICE.

FRANK E. HALL, OF NEWTON, MASSACHUSETTS, ASSIGNOR TO THE  
CONSOLIDATED FASTENER COMPANY, OF PORTLAND, MAINE.

## BUTTON.

SPECIFICATION forming part of Letters Patent No. 496,155, dated April 25, 1893.

Application filed December 31, 1891. Serial No. 416,657. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK E. HALL, a citizen of the United States, residing at Newton, in the county of Middlesex and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Buttons, of which the following is a full specification.

My invention relates to that class of buttons for garments and clothing in which the button is mechanically secured by riveting to the cloth rubber or leather, and consists especially in the employment of a peculiarly constructed rivet as a securing device. The rivet employed is not tubular but two-pronged being preferably made of steel, the flanged head being integral with the prongs.

Referring to the accompanying drawings:—Figure 1 shows in section one form of my improved button. Fig. 2 shows in section the parts disjointed, and Fig. 3 shows the button with parts assembled together prior to securing to the cloth or material.

A is the button head which may be perfectly flat or of any desired shape with a central opening *a* for the rivet to pass through it. As herein shown the head A is struck up with rounded edges and a central depression or seat for the head *b* of the rivet. This rivet B is made preferably from solid steel rod or wire having an upset head or flange *b*, and having the two prongs *b'* formed by cutting up for some distance into the material of the shank as shown. These prongs *b'* are wedge shaped or tapering, being somewhat sharp at the outer ends thereof. The shank of the rivet is passed down through the central opening *a* of the button head which it preferably fits quite tightly until the flange *b* rests on the top surface of the piece A.

C is an eyelet forming the neck of the button consisting of a flange eyelet the shank of which is of a size to embrace tightly the rivet shank B. The eyelet C is run up on the rivet shank until the top of the shank of the eyelet rests against the bottom of the button head, with the eyelet flange downward, the parts being in position shown in Fig. 3.

The prongs *b'* *b'* may be readily pressed through the material D on which the button is to be mounted, without previously punching holes in said material, the said prongs (being sharp) forcing their own way through with but little pressure. As shown in Fig. 1 the prongs are turned outwardly directly against the bottom of the material D, being thus turned by a suitably shaped die or guiding anvil against which they are pressed. This simple construction serves perfectly well for a cheap button to be mounted on thick heavy goods.

A button more finished in appearance would be produced by covering the head shown in the drawings in any desired manner, and by interposing a washer between the outwardly bent prongs *b'* and the bottom of the material. Or the prongs *b'*, if desired, could be clinched in a retaining washer of well known construction containing an anvil nipple in which case the clinching would be out of sight.

I do not limit myself to any particular form of button head, so that it contains a two-pronged rivet of the above description.

I claim—

A combined button and fastener comprising a head with a central opening, an annular flange struck therefrom and surrounding said opening and having a rolled edge, an eyelet C forming the shank and with a flange adapted to rest on the material and a hooded bifurcated rivet, which is inserted through the aperture of the head and through the eyelet, with the prongs projecting downward between the flange of the eyelet, and the head of the rivet resting within the flange of the button head substantially as described.

In witness whereof I have hereunto set my hand.

FRANK E. HALL.

Witnesses:

WM. B. H. DOWSE,  
ALBERT E. LEACH.