

(No Model.)

C. A. GILCHRIST.
SEPARABLE BUTTON.

No. 244,885.

Patented July 26, 1881.

Fig. 3.

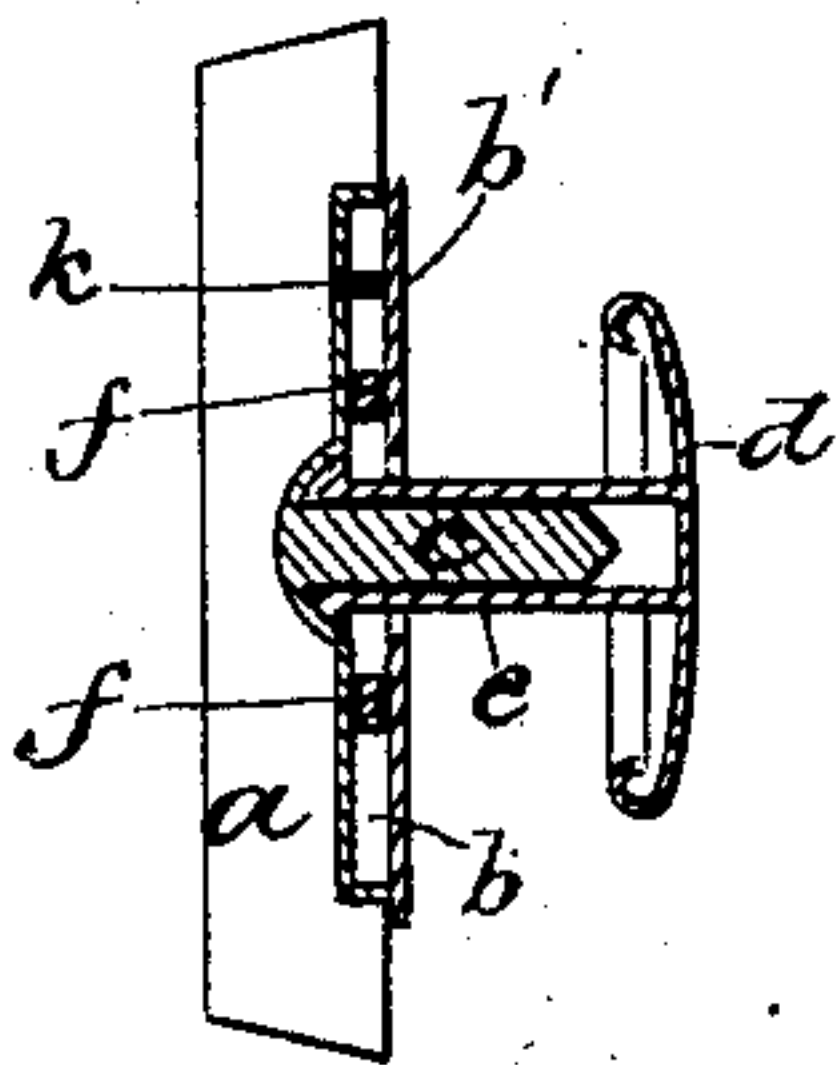


Fig. 2.

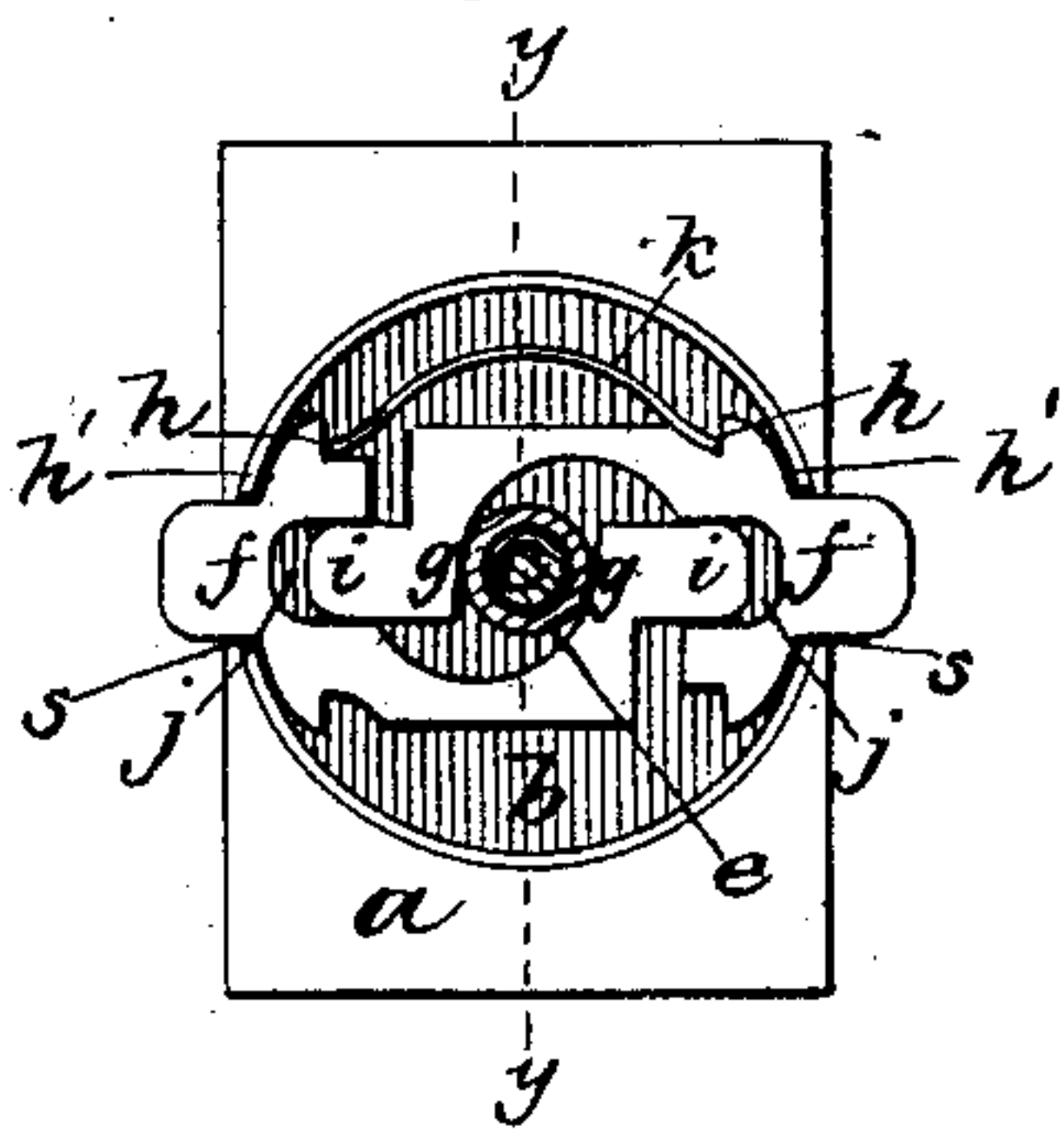


Fig. 4.

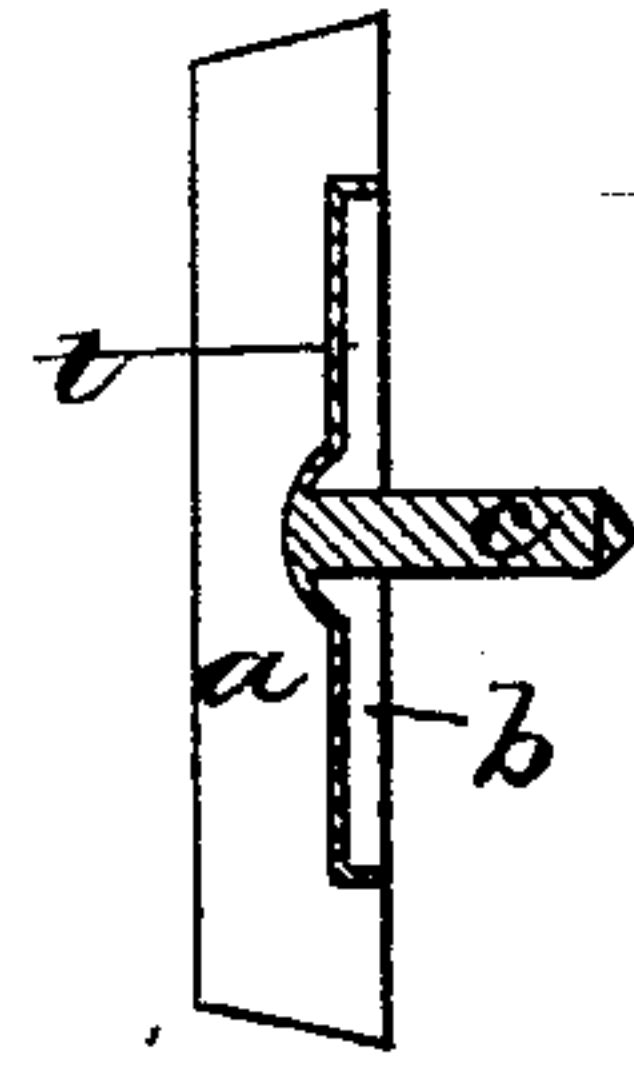


Fig. 1.

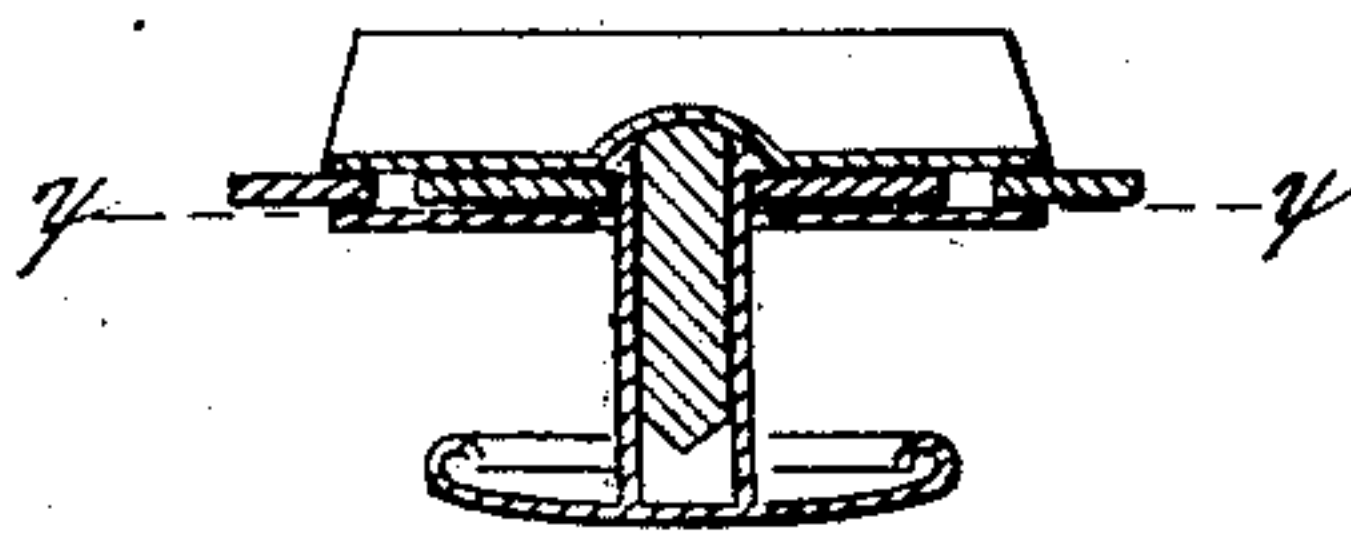


Fig. 5.

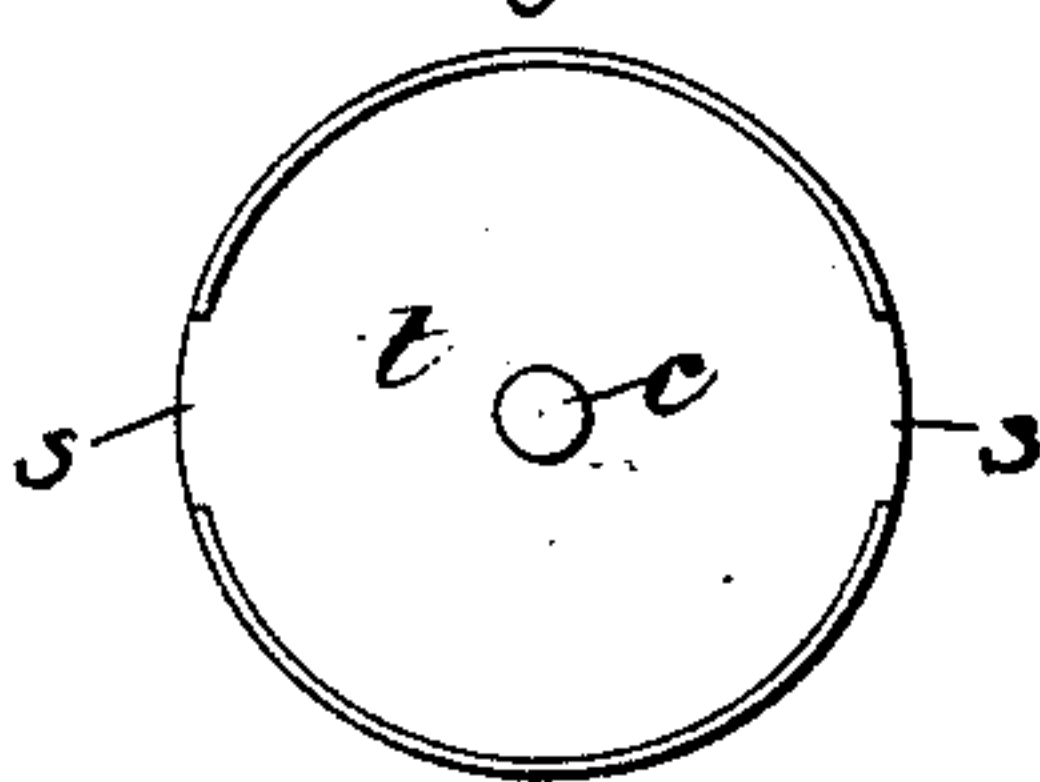


Fig. 6.

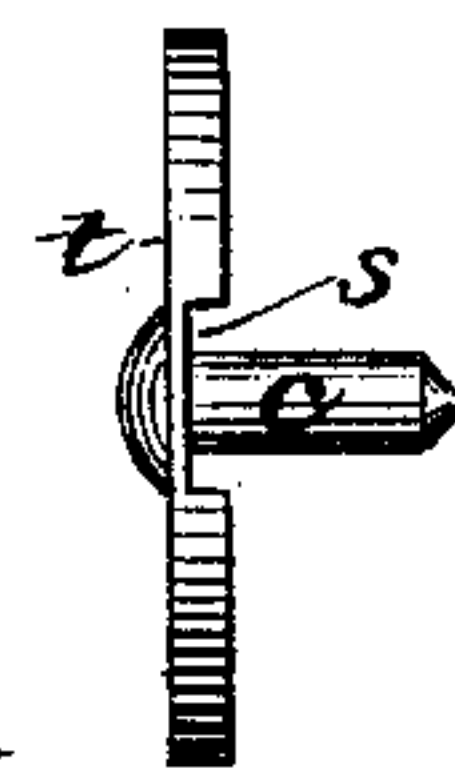


Fig. 8.

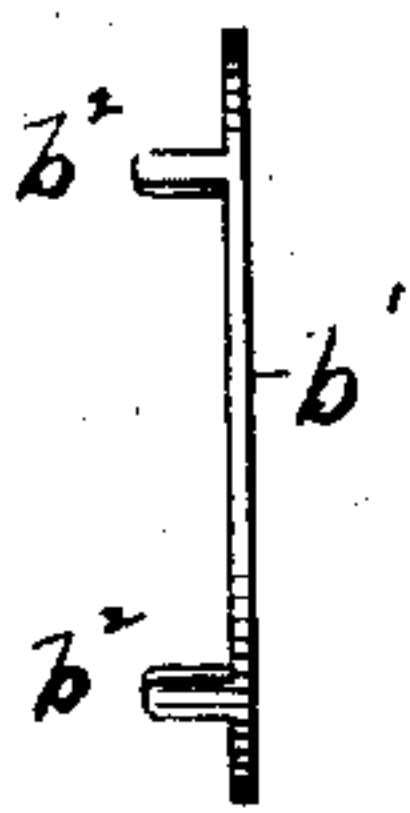
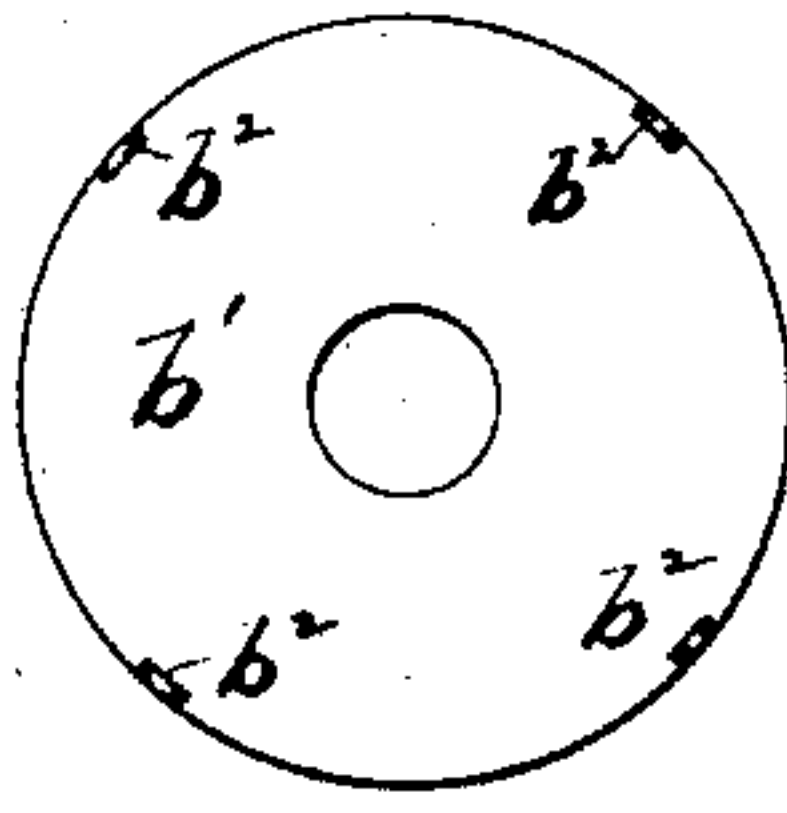


Fig. 7.



Witnesses:
H. G. Wadlin.
M. Climo.

Inventor:
C. A. Gilchrist
by Wright & Brown
attys

UNITED STATES PATENT OFFICE.

CHARLES A. GILCHRIST, OF SOMERVILLE, MASSACHUSETTS.

SEPARABLE BUTTON.

SPECIFICATION forming part of Letters Patent No. 244,885, dated July 26, 1881.

Application filed March 28, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. GILCHRIST, of Somerville, in the county of Middlesex and State of Massachusetts, have invented certain
5 Improvements in Separable Buttons, of which the following is a specification.

This invention relates to separable buttons, the body having two push-pieces pressed outwardly by a spring, and thus caused to bear
10 upon a headed shank on the foot of the button to lock the two parts of the button together, and it has for its object to provide certain improvements in the form of the push-pieces, whereby each is partially guided by the other
15 in its movements.

To these ends my invention consists in the novel form and arrangement of the push-pieces, which I will now proceed to describe and claim.

Of the accompanying drawings, forming a
20 part of this specification, Figure 1 represents a transverse section of a button embodying my invention. Fig. 2 represents a section on line *x x*, Fig. 1. Fig. 3 represents a section on line *y y*, Fig. 2. Figs. 4, 5, 6, 7, and 8 represent
25 views of parts in detail.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents the body or outer portion of a separable button having in
30 its back side a recess, *b*, in the edges of which are slots *s s*.

c represents the ordinary body-post projecting from the center of the recess *b*.

d represents the foot or shoe of the button, having the headed tubular shank *e*, adapted to
35 fit over the post *c*.

f f represent the push-pieces, which are placed in the recess *b* and project at their outer ends through the slots *s s*. Each push-piece
40 has an abutment, *h*, to receive a spring, *k*, arranged to throw the jaws *g* of the push-pieces into engagement with the headed shank *e* of the foot to connect the body and shoe, and each push-piece has also a tongue or projection, *i*,
45 upon its inner end extending longitudinally

of the piece, and a longitudinal slot, *j*, near its outer end. The slot *j* of each piece receives and guides the tongue or projection *i* of the other piece, as seen in Fig. 2, so that the push-pieces cannot move edgewise excepting in the
50 longitudinal directions required to move the jaws *g* toward and from the shank *e*. The outward movement of the push-pieces is limited by contact of their shoulders *h' h'* with the walls of the recess *b*. The spring and push-
55 pieces are placed loosely in the recess *b*, and held in place by a cap, *b'*, which is made in a separate piece, and may be secured to the button by soldering if the latter be of metal, or by means hereinafter described if the button be
60 of a composition capable of being softened by heat. The cap is provided with a central orifice, *o*, for the post *c* and shank *e*.

When the body *a* is composed of a composition capable of being softened by heat I form
65 the recess *b* by sinking a flanged metallic disk, *t*, into the back of the body *a* (the latter having been previously softened) until the edge of the flange is about flush with the back of the body *a*. The flange of the disk has the
70 slots *s s* for the push-pieces. The cap *b'* is of larger diameter than the disk *t*, and is provided with ears or points *b²*, which are embedded in the back of the body after the push-pieces and spring are in place.
75

What I claim is—

In a separable button of the class herein described, the spring-impelled push-pieces having the projecting tongues *i i* and the recesses
80 *j j*, arranged as shown, whereby the push-pieces are guided in their movements and prevented from lateral displacement, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 26th day of March, A.
85 D. 1881.

CHARLES A. GILCHRIST.

Witnesses:

H. G. WADLIN,
C. F. BROWN.