G. PITTS.

Separable-Buttons.

No. 216,971. Patented July 1, 1879.

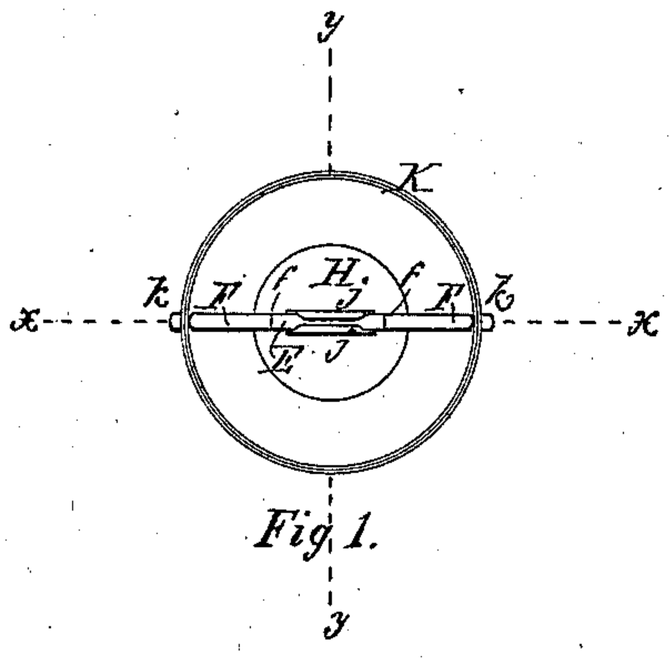

Fig. 1.

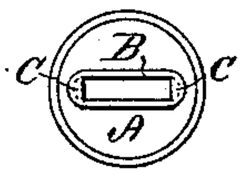

Fig. 2.

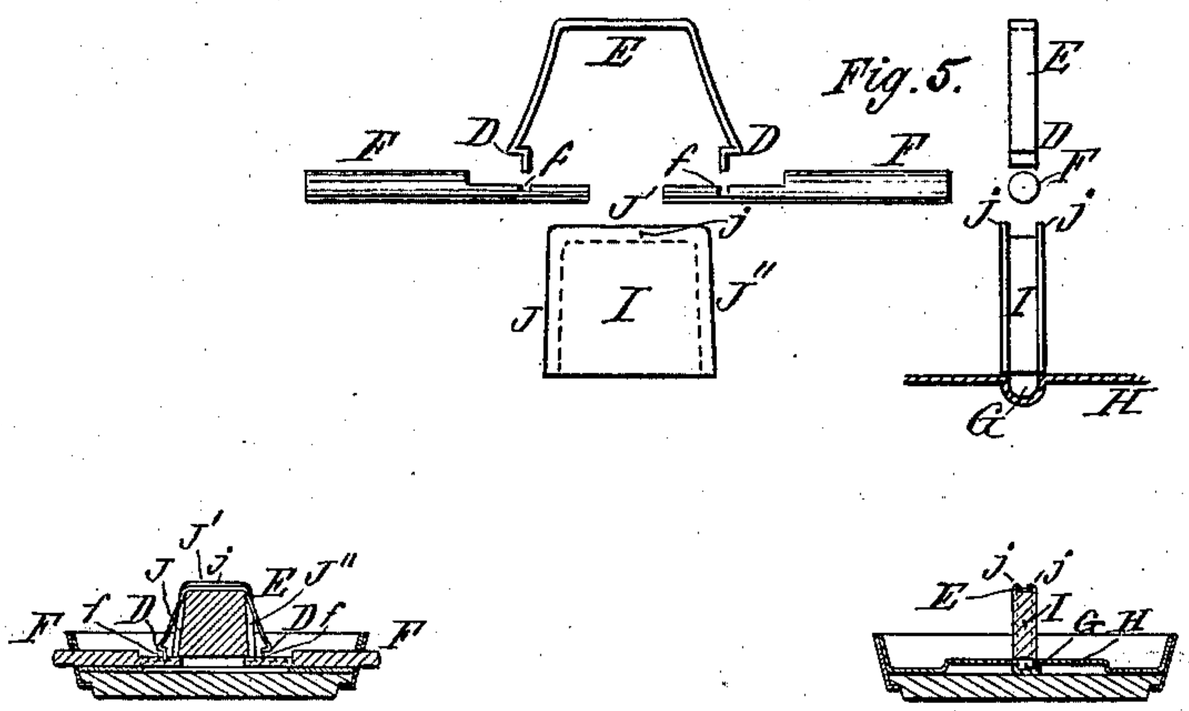

Fig. 5.

Fig. 3.

Fig. 4.

Witnesses.

J. J. Scholfield

Wendel Bourguignon

Inventor.

George Pitts

per S. Scholfield

Attorney

UNITED STATES PATENT OFFICE.

GEORGE PITTS, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN SEPARABLE BUTTONS.

Specification forming part of Letters Patent No. **216,971**, dated July 1, 1879; application filed May 13, 1879.

To all whom it may concern:

Be it known that I, GEORGE PITTS, of Providence, in the State of Rhode Island, have invented an Improvement in Separable Buttons, of which the following is a specification.

The nature of my invention consists in constructing a separable button with a solid flat post attached to the under side of the upper portion of the button, and grooved at its edges in order to receive and securely hold the spring employed for locking the two parts of the button together.

Figure 1 is a back view of the upper portion of the button. Fig. 2 is a front view of the back portion of the button. Fig. 3 is a longitudinal section taken in line *x x*. Fig. 4 is a cross-section taken in line *y y*. Fig. 5 is an enlarged view of several parts of the button.

In the drawings, A represents the lower portion of the button, provided with the tubular hollow post B, having at its upper end the interior catch-flanges C C, arranged to catch into the notches or bends D D of the spring E, which is operated to release the upper portion of the button by means of the pushers F F.

The groove G is struck in the raised central portion of the plate H, in order to receive the inner ends of the pushers and operate as a guide for the same.

The post I is made from a flat piece of stock, grooved upon the three edges J J′ J″, and the spring E is firmly secured within these grooves by simply bending down the side flanges, *j j*, upon the top of the spring.

In putting the several parts of my improved button together, I first solder the post I lengthwise over the groove G in the plate H, so as to leave a passage underneath. I then pass the pushers F F into the outer holes, *k k*, in the rim K, and into the central groove, G, under the post, and place the bent spring E into the grooves in the edge of the post I, so that the ends of the spring may loosely enter the notches *f f* in the pushers F F. The side flanges, *j j*, are then bent down over the middle of the spring, by which means it will be securely held in place.

The above operation is so easily and rapidly performed and the parts are so simple and readily made that the whole constitutes a very desirable improvement in the manufacture of separable buttons.

I claim as my invention—

1. In a separable button, the plate H, provided with the groove G, and the flat post I, provided with grooves in its edges, in combination with the spring E and pushers F F.

2. In a separable button, the bent spring E, secured to the flat solid post I by turning down the longitudinal flanges *j j* upon the top of the spring.

3. In a separable button, the pushers F F, provided with the notches *f f*, for the loose reception of the ends of the spring E, secured longitudinally to the edge of the flat solid post I.

GEORGE PITTS.

Witnesses:

SOCRATES SCHOLFIELD,

J. J. SCHOLFIELD.