

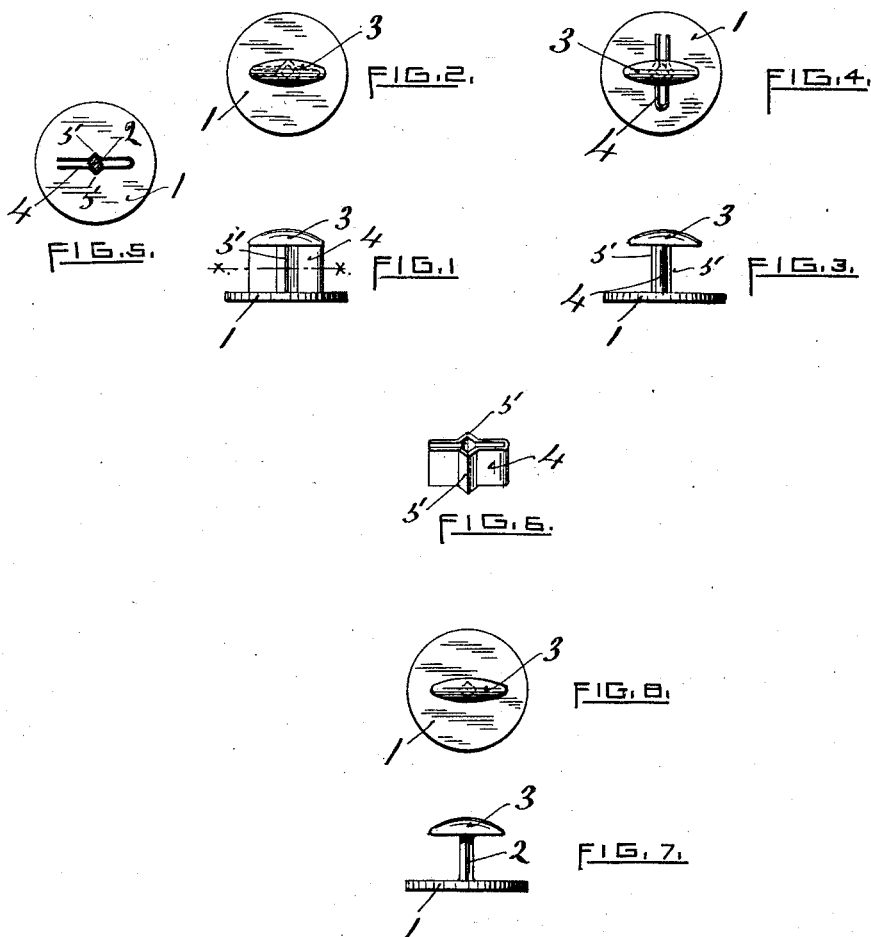
(No Model.)

J. T. RICH.

BUTTON.

No. 342,266.

Patented May 18, 1886.



WITNESSES.

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UNITED STATES PATENT OFFICE.

JOSEPH T. RICH, OF PROVIDENCE, RHODE ISLAND.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 342,266, dated May 18, 1886.

Application filed March 11, 1886. Serial No. 194,792. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH T. RICH, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Buttons; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to a new and useful improvement in buttons designed for securing portions of apparel together; and it consists, essentially, of a button provided with a square post fixed at right angles to the button, and an elongated shoe secured to the opposite end of the post parallel with the button, said button, post, and shoe being integral, the button being further provided with a spring-shank adapted to rotate on the post of the button, said shank being provided with angular indentations corresponding to the squares of the post, and adapted to coact with said squares to retain the shank in the button-holes of a garment in a transverse direction to the shoe of the button, to secure two portions of said garment together, all substantially as will be hereinafter more fully described.

Figure 1 is a side elevation of my improved button complete. Fig. 2 is a plan view of the same. Fig. 3 is a side view of the button, corresponding to its position as in use. Fig. 4 is a top view of the same. Fig. 5 is a horizontal sectional view on line *x x* of Fig. 1. Fig. 6 is a perspective view of the spring-shank detached. Fig. 7 is a side view of the button having the spring-shank removed. Fig. 8 is a plan view of the same.

In the drawings, 1 represents the button, 2 the post, 3 the shoe, and 4 the spring-shank. In carrying out my improvement one end of the post 2, which is square in form, as shown in cross-section in Fig. 5, is secured to the under surface of the button 1 at its center, the opposite end of said post being provided with the shoe 3, which is elongated in form, the outer portion being preferably oval, the button, post, and shoe being permanently fixed

with relation to each other, or integral, the button 1 and shoe 3 standing parallel with each other, the post 2 being at right angles to said button and shoe, as shown in Fig. 7, the shoe 3 being secured to the post 2, with the corners of the squares of the post at right angles to the length of the shoe, as shown in dotted lines in Fig. 8.

The spring-shank 4 is made from a continuous strip of spring metal, bent and formed, substantially as shown in the drawings, by striking up and forming two angular indentations, 5 5, located crosswise of the strip, and then bending and doubling said strip at the center of its length, bringing the two indentations 5 5 directly opposite each other, the remaining portion of the strip lying parallel and adjacent to each other, as fully shown in Fig. 6. The indentations 5 5 are made at an angle of about forty-five degrees, so that when the strip is bent, as described, the indentations will correspond with the square of the post 2. The spring-shank 4 is then placed in position on the post 2, between the button 1 and the shoe 3, the post 2 resting in the indentations 5 5, as fully shown in Fig. 1. The button is then ready for use.

In securing two parts of a garment with my improved button the shank 4 is rotated on the post 2, bringing the shank in line with the shoe 3, as shown in Fig. 2, the shank being shown in dotted lines. The shoe and shank are then passed through the button-holes in each part of the garment until the shoe projects below the inner surface of the garment. The button is then turned, bringing the shoe 3 quartering with the shank 4, which is prevented from turning by the button-holes of the garment, in which position the shank is retained by the pressure of the spring of the metal, the squares of the post coacting with the angles of the indentations, the button assuming the position as shown in Figs. 3 and 4 of the drawings. The free ends of the strip of metal comprising the spring-shank 4 may be connected together, if desired, after being placed in position on the post of the button. I am thus enabled to produce a button with which two parts of a garment may be secured together in the quickest and most secure manner. There being practically but two parts to the button renders it impossible to get out

of order. The angles of the post coacting with the angles of the indentations in the spring-shank firmly retains said shank in position in the garment, with no liability of being coming easily detached by accident, and a strong and reliable button is thus produced at a nominal cost.

Having described my invention, I claim—

1. A button comprising a square post and an elongated shoe formed integral with said button, and a bifurcated spring-shank provided with indentations, said shank adapted to rotate laterally upon said post between the button and the shoe, substantially as and for the purpose set forth.

2. The button herein described, comprising the button 1, having square post 2 and elongated shoe 3, formed integral with each other,

and the spring-shank 4, provided with angular indentations 5 5, combined, arranged, and adapted for use substantially as specified.

3. In a button for securing parts of a garment together, a bifurcated spring-metal shank provided with indentations on opposite sides thereof, said shank adapted to rotate laterally upon a square post between the button and an elongated shoe, said button, post, and shoe being integral, arranged for use substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

JOSEPH T. RICH.

Witnesses:

F. A. SMITH, Jr.,
CHARLES GREENE.