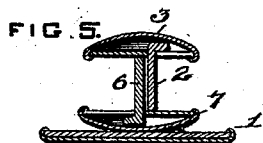
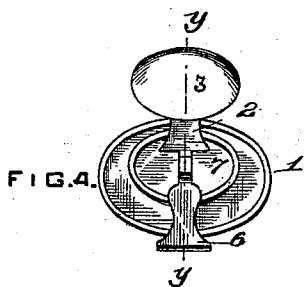
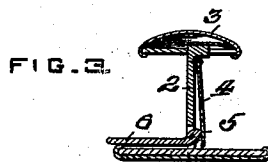
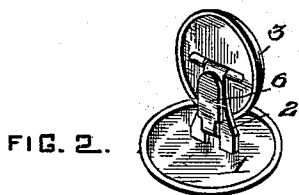
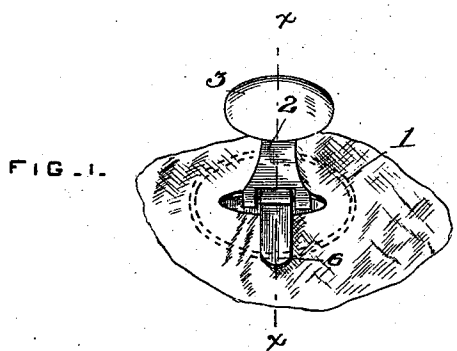


(No Model.)

J. SKILLING.
BUTTON.

No. 528,397.

Patented Oct. 30, 1894.



Witnesses
John Skilling
Chas. B. Hyer

Inventor
John Skilling
By *John Waddell*
his Attorney

UNITED STATES PATENT OFFICE.

JOHN SKILLING, OF FALL RIVER, MASSACHUSETTS.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 528,397, dated October 30, 1894.

Application filed September 14, 1893. Serial No. 485,441. (No model.)

To all whom it may concern:

Be it known that I, JOHN SKILLING, a citizen of the United States, and a resident of Fall River, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Buttons; and I do hereby 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.

This invention relates to buttons, and has for its object to provide simple and effective means whereby the button can be retained in the button-hole, and be prevented from accidentally dropping out, and thereby avoid considerable annoyance and inconvenience now often experienced.

With these and other objects in view, the invention consists of the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings: Figure 1 is a perspective view of a button, embodying the invention, shown applied to a button-hole and enlarged. Fig. 2 is a similar view of the button detached, showing the attachment thereto closed, and the head as turned to one side and in condition for insertion into the button-hole. Fig. 3 is a section on the line $x-x$, Fig. 1. Fig. 4 is a detail perspective view of a button embodying a slight modification. Fig. 5 is a section on the line $y-y$, Fig. 4.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

Referring to the drawings, the numeral 1 designates the button shoe which has a shank 2 rising therefrom, and a head 3, which is either pivoted to the upper end of the shank or can be formed rigid therewith, so far as the operation and function of the invention are concerned. Secured to one side of the shank 2 is a flat spring 4, whose lower end is free, and engages a heel 5 of arm 6, which is pivotally mounted at the lower part of the said shank and is adapted to be lowered as shown in Fig. 1, to hold the fabric surrounding the button-hole firmly against the shoe 1 and se-

cure the button in place against accidental disengagement. The said arm 6 may be made in any form and of suitable dimension, and where a tilted head is employed, it can be also used if so desired, to form a brace for the head on one side to prevent springing the hinge connection, and rendering the said head unnecessarily loose.

As shown in Fig. 4, an extra shoe 7 is secured to the shoe 1 and the shank 2 is secured to the said extra shoe, and rises therefrom. In this instance, the arm 6 is hingedly connected to the said extra shoe 7 at its lower end, and has the same function and operation as in the previously described device.

The extra shoe 7 is employed to form an additional means of securement of the button in the button hole by increasing the resistance at the back of the button against accidental dropping out or removal from the button hole and permits the material of the neck-band of the shirt to be caught between the outer surface of the shoe 1, the arm 6, and the said shoe 7. A further object of this duplex arrangement of shoes is to have the arm 6 in movable engagement with the shoe 7 so that it may fold closely against the shank of the button and also that the spring may be located within the shoe 7 which locks the arm 6 in either one of its two of its adjusted positions. The spring will therefore be located in the shoe 7. The shoe 7 is secured to the shoe 1 either by soldering or any other well-known means.

Either of the forms of the device shown may be employed for the purpose of holding the button in connection with the button-hole, and they may be constructed of fine metals, plated materials, or a composition, or of two or more of these; and the form of the head may be varied in contour and increased or decreased in dimension, or suitably ornamented and provided with setting. The device is applied as shown, and serves an exceptionally useful function.

Having thus described the invention, what is claimed as new is—

1. In a button the combination of a hinged head having a shank with a stationary shoe

thereon, and a hinged arm movable against the shank on inside of the shoe, substantially as described.

- 5 2. In a button, the combination of a hinged head having a shank with a double stationary shoe thereon, and a spring actuated arm hinged in the shoe nearest the shank, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN SKILLING.

Witnesses:

ABNER T. WING,
JOHN W. GROUARD.