

L. W. Field,

Shirt Button.

No. 111,049.

Patented Jan. 17. 1877.

Fig. 1.

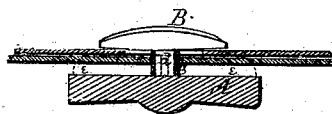
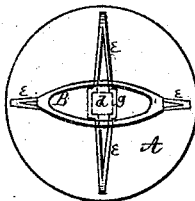


Fig. 2.



Witnesses:

Chas. Jacobs

J. V. White

Inventor:

L. W. Field

Per

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Att'y.

United States Patent Office.

LEVI W. FIFIELD, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO THOMAS F. ARNOLD AND HENRY E. WEBSTER, OF PROVIDENCE, RHODE ISLAND.

Letters Patent No. 111,049, dated January 17, 1871.

IMPROVEMENT IN SHIRT-BUTTONS OR STUDS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, LEVI W. FIFIELD, of Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Buttons; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in forming a button with a knob of suitable shape attached to it by means of a shank, on which is placed a spring, for a purpose that will be hereinafter fully set forth.

In order to enable others skilled in the art to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a central cross-section of my button; and

Figure 2 is a plan view of the same, reversed, showing the position of the different parts when the button is in use.

A represents the button, which may be made of metal or other suitable material.

B is a knob, of oblong or other suitable form, secured on the under side of the button A by means of a shank, *d*, which is permanently fastened to the knob B and screwed or riveted into the center of the button.

e represents an elliptical spring, each leaf of which has an offset, *g*, at its center, the object of which is to

embrace tightly the shank *d*, and thus prevent the shank from being easily turned within the spring.

In applying my button to a garment the spring must be placed in a line with the knob B, and then the knob and spring passed through the slit made to receive it. This being done the button is turned half-way round, the spring holding itself from turning, being in the garment.

It can be taken out by merely reversing the operation.

The shank *d* may be made either square or oval and the spring fitted to it.

I am aware of the patent of Geo. M. White, August 13, 1867, who employs a spring turning upon a square stud, but surrounded by an elliptical box. This latter I dispense with, making my spring answer the purpose of the two parts in White's patent.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The elliptical spring *e*, each leaf of which being provided with an offset, *g*, and operating in conjunction with button A, knob B, and shank *d*, in the manner and for the purpose described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

LEVI W. FIFIELD.

Witnesses:

C. W. ESTABROOK,
J. W. BATTELLE.