

O. Paddock,
Button.

No. 90,119.

Patented May 18, 1869.

FIG. 1.

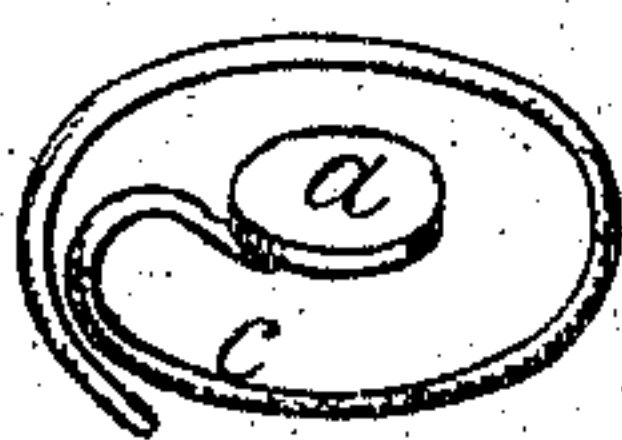


FIG. 2.

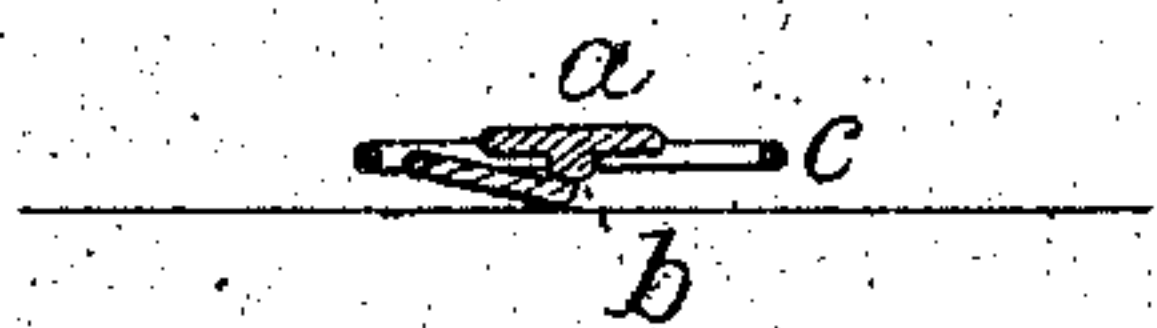
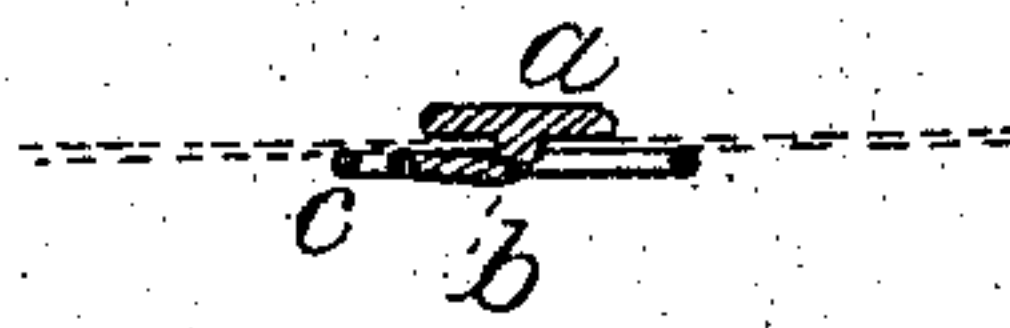


FIG. 3.



Oscar Paddock
by his atty
J. H. W. H.

WITNESSES.

W. H. Smith
J. H. W. H.

United States Patent Office.

OSCAR PADDOCK, OF WATERTOWN, NEW YORK.

Letters Patent No. 90,119, dated May 18, 1869.

IMPROVEMENT IN BUTTONS.

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

To whom it may concern:

Be it known that I, OSCAR PADDOCK, of Watertown, in the county of Jefferson, and State of New York, have invented certain new and useful Improvements in Studs and Buttons; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a stud or button made in accordance with my invention.

Figure 2 is a side elevation, partly in section, of the same.

Figure 3 is a like view of the same as it appears when holding together two strips of fabric.

My invention relates to that class of studs or buttons in which the article is formed of three parts, a head, a shank, and a holding-device made of a strip of metal or wire, bent into a spiral or analogous form.

In order to use a stud or button of this kind, it is usual to form eyelet-holes in the two folds of the shirt-bosom or other article to be fastened together, through which the wire is passed. The disadvantage attending the use of ordinary devices of this kind, is that they can only be used with eyelet-holes, and not with button-holes. And a further disadvantage, which they possess in common with all other studs or buttons, consisting of two heads or disks, connected by a shank, is that the two strips of fabric between the upper and under parts of the device, are not held tightly together, and are liable to stay apart and to allow the button or stud to work loose and become disengaged, this being especially noticeable when button-holes are employed in lieu of eyelet-holes.

The object of this invention is to remedy these defects, to produce a button or stud of the kind referred to, which can be used equally well with either eyelet or button-holes, and which at the same time will press together the strips of fabric held by it, whether such strips be of greater or less thickness.

To this end my invention may be stated to consist of a stud or button, in which the head and shank are combined with a spring consisting of a scroll or spiral of wire, united with or forming part of the shank, the folds of which are bent upwards, so as to lie in the plane of the head of the button, or thereabouts, so that the spring shall hold the fabric with a pressure up against the head of the button.

To enable those skilled in the art to understand and use my invention, I will now proceed to describe the manner in which the same is or may be carried into effect, by reference to the accompanying drawings.

a represents the head of the stud or button, to the under side of which is affixed the shank *b*, forming part, in this instance, of the wire-spring scroll or spiral *c*.

The shank may, however, be formed separately from the spring, and the latter can be attached to it in any suitable manner. It will be seen that the folds of the spring are bent upwards, so as to lie, when in their normal position, in or nearly in the plane of the head, as represented in fig. 2.

The wire, in the present case, is bent so as to form but one fold, but there may be as many folds as desired, and it is preferable to so arrange them that they shall extend up gradually towards the button-head in a spiro-conical form, the base of the cone being nearest the head.

In fig. 3 the button is represented as holding together two strips of fabric.

The spring is depressed from the position shown in fig. 2, and therefore naturally presses upwards against the fabric, which is thus brought and held with considerable force against the head of the button.

The button, when thus constructed, can be used equally well with eyelet or button-holes, the arrangement of the spring serving to retain the device in position, and in great measure to prevent it from being disengaged. As the spring is somewhat greater in diameter than the head, so that it may encircle and lie in the plane of the head, or thereabouts, it exercises pressure upon a more extended surface, and holds the fabric together firmly. At the same time, by reason of this construction, it need not be bent into so many folds as the ordinary small coiled spring which lies underneath the head, and therefore the shank of the button or stud can be made of little length, and so as not to protrude to any extent from the fabric.

Having now described my invention, and the manner in which the same is or may be carried into effect, What I claim, and desire to secure by Letters Patent, is—

A button or stud, having combined with its head and shank, a dished volute wire spring, arranged, with relation to the button-head, in the manner and for the purposes set forth.

In testimony whereof, I have signed my name to this specification, before two subscribing witnesses.

OSCAR PADDOCK.

Witnesses:

M. BAILEY,
A. POLLOCK.