G. J. CAPEWELL.

Devices for Attaching Buttons to Garments.

No. 128,950. Patented July 16, 1872.

Fig. 1

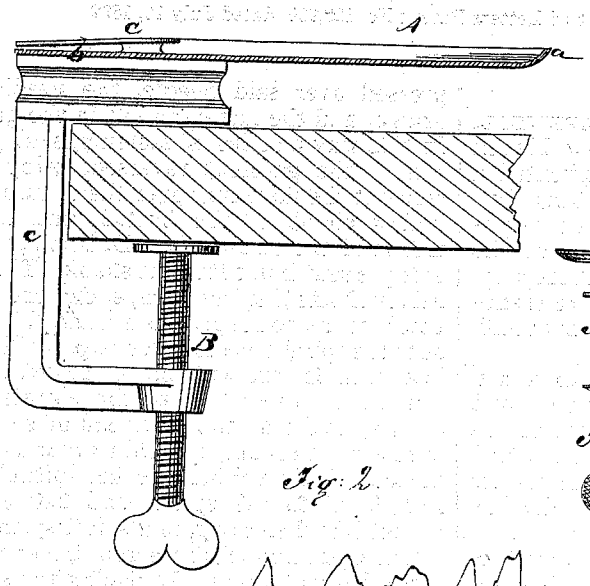

Fig. 2

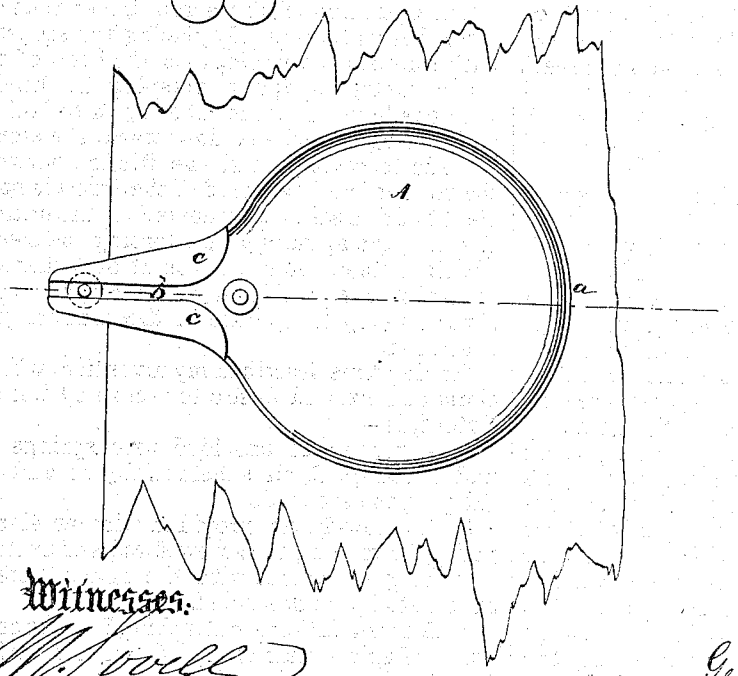

Fig. 3

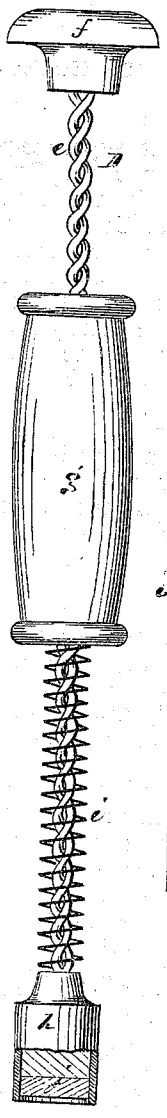

Fig. 4

Fig. 5

Fig. 6

Fig. 7.

Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE J. CAPEWELL, OF CHESHIRE, CONNECTICUT.

IMPROVEMENT IN DEVICES FOR ATTACHING BUTTONS TO GARMENTS.

Specification forming part of Letters Patent No. 128,950, dated July 16, 1872.

To all whom it may concern:

Be it known that I, GEORGE J. CAPEWELL, of Cheshire, in the county of New Haven and State of Connecticut, have invented a new and Improved Device for Attaching Buttons to Garments; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of this invention is in a machine for attaching buttons to garments, and it relates to that class of buttons which are attached by means of screw-fastenings; and the invention consists in the machine and its several parts, as are hereinafter fully described.

In the accompanying sheet of drawing, Figure 1 represents a side elevation of the table or receptacle, showing the manner of attaching same; Fig. 2, a plan view of same; Fig. 3, screw-driver; and Figs. 4, 5, 6, and 7 represent button, screw-fastening, head of same, and needle.

Similar letters of reference indicate like parts in the several figures.

A represents the table or receptacle, which is fastened to a stand or table by means of a set-screw, B. The frame C of this receptacle is of cast metal and of the shape shown in Fig. 1, which will enable it to receive within it the projecting edge of a stand or table, where it is held in place by the set-screw B. Riveted or otherwise fastened to the upper side of the frame C is the receptacle A, which may be of any desired shape and size. This receptacle is made from thin sheet metal, having a raised lip, *a*, formed around its upper edge, and is also formed with a projecting shank, *b*, to which are secured two metallic springs, *c c*, in such manner as to receive the head of the screw-fastening *d*, Fig. 5, between them, holding it in place, and allowing the screw-shank to protrude. The screw-fastenings are placed on this receptacle, and a needle, E, Fig. 7, with a recess in the base thereof, placed over the screw-shank of such fastening. The head of the fastening is then slipped beneath the springs and the garment pressed over said needle, the needle withdrawn, and the fastening left in the garment. In this way a series of fastenings may be inserted, the garment reversed, bringing the screw of the fastening over the opening of the hollow shank of the button, and then, by means of the screw-driver D, Fig. 3, the fastening is sent home into the shank. The screw-driver D has a spiral stem, *e*, one end thereof fitted so as to revolve in a head, *f*. Slipped onto the spiral stem is a sleeve, *g*, within which is a metallic core with spiral grooves formed therein, corresponding to the spirals of the stem *e*; and onto the other end of said spiral is secured a socket, *h*, within which is fitted a piece of India rubber or other suitable material, *j*. Onto the spiral, and between said socket *h* and sleeve *g*, is a spiral spring, *i*.

The operation of the screw-driver thus described is as follows: By placing the socket *h*, with the rubber therein, over the head of the screw-fastening *d*, and grasping the head *f* with one hand and the sleeve *g* in the other, and forcing said sleeve downward, the stem *e* is made to revolve, and the friction between the rubber *j* and the head of the screw is sufficient to drive said screw home into the button-shank *k*, the spiral spring *i* forcing the sleeve *g* back to its original position at the other end of the stem *e*, in this way keeping the sleeve always ready to operate in the manner just described.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A receptacle provided with springs *c c* and a clamp, C, all substantially as and for the purpose set forth.

2. A screw-driver provided with an elastic pad, *j*, for turning the screw-shanks of buttons by frictional contact with the heads thereof, substantially as described.

3. A screw-driver for attaching buttons composed of spiral stem *e*, head *f*, sleeve *g*, spring *i*, socket *h*, and rubber *j*.

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Witnesses:
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