

No. 676,273.

Patented June 11, 1901.

J. E. PLATON.

FASTENING DEVICE FOR BUTTONS, HANGERS, &c.

(Application filed Nov. 20, 1900.)

(No Model.)

Fig. 1.

Fig. 2.

Fig. 3.

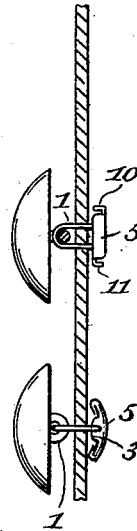
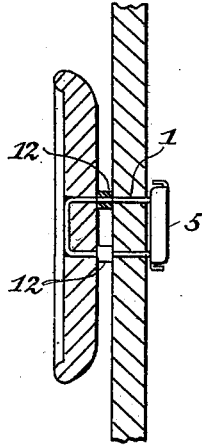
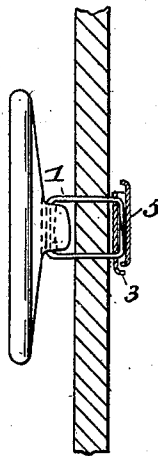


Fig. 6.

Fig. 4.

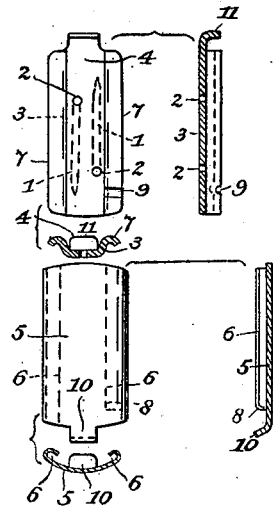
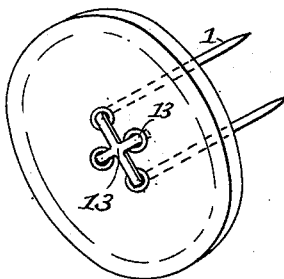
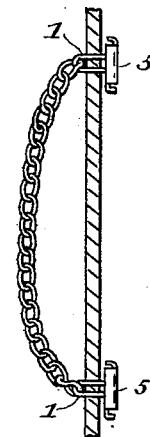


Fig. 5.



Witnesses:

E. B. Kotton
Clara D. Frohbach

Fig. 7.

Inventor:

John Erik Platon

By Richard R.

his Attorneys

UNITED STATES PATENT OFFICE.

JOHN ERIK PLATON, OF JÖNKÖPING, SWEDEN, ASSIGNOR TO AKTIEBOLAGET PLATONS KNAPPFÄSTARE, OF SAME PLACE.

FASTENING DEVICE FOR BUTTONS, HANGERS, &c.

SPECIFICATION forming part of Letters Patent No. 676,273, dated June 11, 1901.

Application filed November 20, 1900. Serial No. 37,176. (No model.)

To all whom it may concern:

Be it known that I, JOHN ERIK PLATON, teacher, a subject of the King of Sweden and Norway, and a resident of Jönköping, in the Kingdom of Sweden, have invented certain new and useful Improvements in Fastening Devices for Buttons, Hangers, or the Like, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a device for fastening to clothing or the like ordinary buttons, such as are found in the trade, whether eye-buttons or buttons with holes extending through the same, suspender-buttons, &c.

Figure 1 shows to an enlarged scale and partially in section the said fastening device as applied to an eye-button. Fig. 2 shows the fastening device as applied to a button provided with two holes extending through the same. Fig. 3 shows in a side view and an end view the fastening device in natural size as applied to a button for uniforms. Fig. 4 shows a perspective view of a button with four perforations and a staple belonging to the fastening device for such a button. Fig. 5 shows the fastening device as applied to a loop or hanger for clothes. In Figs. 1, 2, 3, and 5 the fabric or piece of clothing is shown to which the button or loop or hanger is secured. Fig. 6 shows in a plan view and transverse and longitudinal sections a washer or plate belonging to the fastening device. Fig. 7 shows in like view a cover intended to be slipped over the said plate or washer.

The fastening device consists of a combination of a staple 1, to be inserted through the eye of the button, Figs. 1 and 3, or the shanks of which are threaded through the perforations in the button, Figs. 2 and 4, the pointed tines of which are inserted through the fabric or cloth where the button is to be fastened, and a plate or washer 3, provided with holes 2 for slipping it onto the tines or legs of the staple and on the outer side of which the ends of the said tines are bent toward each other, so as to lie side by side, Figs. 1 and 6, and a cover 5, serving to lock and protect the ends of the legs or tines of the staple. The washer or plate is provided with a groove or channel 4, which faces away

from the staple and cloth and in which there is sufficient room for the bent staple-legs, as shown by dotted lines in Fig. 6. When the staple ends have been bent or folded in the manner shown, the button will be securely fastened to the cloth or piece of clothing. To prevent the staple ends being bent back, which would cause them to tear adjacent pieces of clothing or might cause other inconvenience or the extraction of the staple from the plate 3, the cover 5, mentioned above, is slipped onto the said plate, Figs. 1, 2, 3, 5, and 7. This cover consists of a piece of sheet metal preferably curved outward and having double bent edges, so as to form grooves 6, by which the edges 7 of the plate or washer 3 are surrounded when the cover is slipped onto the latter, Fig. 3. The cover is secured in some convenient manner on the plate 3, so as not to be pushed off unintentionally. According to the drawings one of the doubled edges of the cover 5 does not reach quite to the corresponding end of the washer or plate and is bent slightly inward toward the body of the cover, as shown at 8 in Fig. 7. In the edge of plate 3, corresponding to the same edge of the cover, is a depression 9, so located that when the cover has been slid into its proper place on the washer the inwardly-bent edge 8 will snap into the depression 9, thus locking the cover. To allow of removing the cover from the washer when the button is to be removed, changed to another place, &c., the cover and washer are provided at opposite ends with a bent portion or hooked edge 10 11, which can be caught by the nail, for instance. If it is desired that a button with holes shall not bear directly against the cloth, but that an intervening space shall be left between the button and the cloth, so as to make buttoning easier and prevent excessive wear against the piece of clothing fastened by the button, small rings or tubes 12, of rubber or other soft material, may be placed on the staple-legs between the button and the cloth, as shown in Fig. 2.

In order to give the fastening device a neat appearance by leaving none of the holes empty when the device is applied to buttons with four holes, the staple 1, as shown in Fig. 4,

is provided with two "false legs," so to speak, or short tines 13, fitting in the holes of the button, through which the staple-legs proper are not passed. The length of the tines 13 is 5 so gaged that they do not reach through the button.

When the fastening device is used for the buttons of uniforms, Fig. 3, the staple 1 is 10 made narrower or with but a slight distance between the legs.

When using the device for fastening a hanger or suspending device consisting of a chain, for instance, Fig. 5, to a piece of clothing, the staples are inserted through the extreme chain-links and secured to the cloth in 15 the manner described.

By using the fastening device described above the inconvenience is avoided which is incident to the ordinary method of securing 20 buttons by thread—viz., that the thread soon wears off, leaving threads hanging around the button or causing the latter to drop off. By means of the fastening device in question the button, &c., can be easily and 25 securely fastened, and it can, moreover, be readily changed to another place, if necessary, without leaving marks or holes in the cloth. The washer 3, with its cover 5, as evident from the above, has a great bearing- 30 surface on the cloth, and consequently provides such good support for the button that the latter cannot be torn out of the cloth. The parts of the fastening device which are located inside of the clothing are seen from 35 the drawings to be so thin as not to cause any pressure, wear, or other inconvenience.

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

40 1. A fastening device comprising a staple

adapted to be passed through the fabric and the bail portion secured to the article to be fastened to the fabric, a plate having openings through which the legs of the staple are 45 passed and then turned down, and a second plate having a sliding detachable connection to the first plate and covering said legs, substantially as described.

2. A fastening device comprising a staple adapted to have the legs passed through the 50 fabric and the bail portion secured to the article to be fastened to the fabric, a plate having openings through which the legs of the staple are passed, a recess in said plate adapted to hold said legs when turned down, and 55 a second plate having a sliding detachable connection to the first covering said legs, substantially as described.

3. The combination with a staple-fastener, of a plate having a central longitudinal groove 60 or pocket therein, openings through said plate for the insertion of the legs of the staple, said pocket being designed to have said legs bent down therein, and a second plate adapted to 65 slide on the first and to cover said ends, substantially as described.

4. The combination with a staple-fastener, having its ends bent over, of a plate having a longitudinal recess to provide a pocket for 70 said ends, and side wings, and a second plate having ways guided on said wings, said plates having bent flaps at their ends, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two subscribing 75 witnesses.

JOHN ERIK PLATON.

Witnesses:

ERNST SVANQVIST,
ROBERT APELGREN.