No. 822,011. PATENTED MAY 29, 1906.

A. J. O'DONNELL.

STUD OR BUTTON.

APPLICATION FILED AUG. 18, 1905.

Fig. 1.

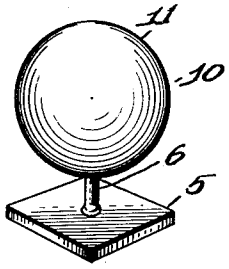


Fig. 2.

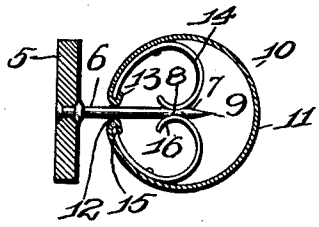


Fig. 3.

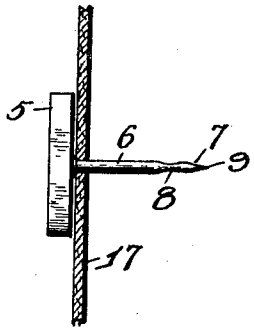
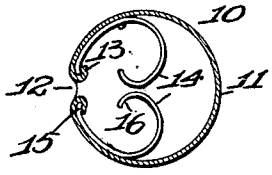


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

ALFRED J. O'DONNELL, OF ST. LOUIS, MISSOURI.

STUD OR BUTTON.

No. 822,011. Specification of Letters Patent. Patented May 29, 1906.

Application filed August 18, 1905. Serial No. 274,802.

To all whom it may concern:

Be it known that I, ALFRED J. O'DONNELL, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain new and useful Improvements in Studs or Buttons, of which the following is a specification.

This invention relates to improvements in studs or buttons; and it consists in the novel arrangement, construction, and combination of parts, as will be fully hereinafter described and claimed.

The object of this invention is to provide a stud or button to be attached to the cloth without the use of buttonholes or stud-openings.

Figure 1 is a perspective view of my invention. Fig. 2 is a sectional view showing the two parts in connected position. Fig. 3 is a side elevation of the needle member shown in position with the cloth. Fig. 4 is a central sectional view of the head detached from the needle member.

In the construction of my invention I provide a base 5, to which is rigidly secured a needle 6. The end 7 of said needle is provided with a recess 8 and terminating into a needle-point 9. The end portion 7 (see Fig. 3) is of a diameter slightly smaller than the remaining portion of the needle, the purpose of which is to permit the said needle to be drawn from the cloth without obstruction or tearing the cloth. The member 10 consists of a wall 11, having an inlet 12, constructed from the crimped ends 13 of the wall and acting as a guideway for the insertion of the needle 6 within the member 10, and securely riveted to the same are springs 14, their one end 15 recessed within the crimped ends 13 of the wall and the ends 16 suitably bent inwardly and arranged to seat themselves within the recess 8 of the needle and being of spring material will permit the insertion of the end 7 of the needle and retain the member 10 in locked position upon said needle. (See Fig. 2.) To apply my device upon the wearing-apparel, the needle 6 is passed or pressed through the cloth 17. (See Fig. 3.) The member 10 is then placed upon the needle 6 by permitting the end 7 to pass through the recess 12 and between the ends 16 of the springs. To remove the same, the member 10 is drawn or pulled from the needle 6. The lock ends 16 of the springs will relax sufficiently to permit the same to pass over the end 7.

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

1. A device of the class described comprising a base, a needle formed upon said base and provided with a recess formed at the rear of the point and extending around the entire periphery, a head member having a perforation formed therein for the insertion of the needle, a pair of leaf-springs riveted within the head, the free ends curved to receive the needle to lodge within the recess and retain the same in locked position, substantially as specified.

2. A device of the class described comprising a base, a needle rigidly mounted within said base, said needle having a recess to the rear of the point 9 and extending around the entire periphery, a head member having a perforation formed therein for the insertion of the needle, a pair of leaf-springs located within the head member, the edges 13 of the perforation in said head member being curved to hold the ends of the leaf-springs, said leaf-springs bent inwardly so that the free ends come in contact with the recess formed on the needle to hold the head member in position thereon, substantially as specified.

3. A stud or button comprising a base 5, a needle 6 having a recess 8 and a point 9, in combination with a head 10 having a perforation 12 formed therein, a pair of leaf-springs 14 secured to the inner surface of said head by rivets, the edges 13 of the perforation in said head member being curved inwardly, and crimped over the ends of the leaf-springs to hold the same in position, said leaf-springs having their free ends bent inwardly to come in contact with the needle-point and lock the same in position, substantially as specified.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

ALFRED J. O'DONNELL.

Witnesses:

ALFRED A. EICKS,

L. A. L. MCINTYRE.