

No. 867,929

PATENTED OCT. 8, 1907.

W. C. STILES.  
SNAP FASTENER.  
APPLICATION FILED MAY 29, 1907.

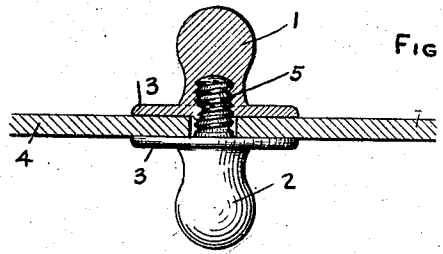


FIG. 1.

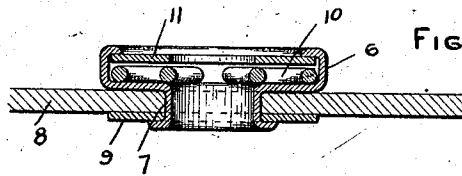


FIG. 2.

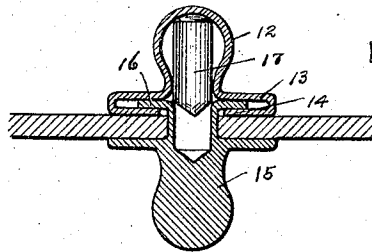


FIG. 3.

Witnesses

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# UNITED STATES PATENT OFFICE.

WALLACE C. STILES, OF WEST BOYLSTON, MASSACHUSETTS, ASSIGNOR TO MILLS WOVEN CARTRIDGE BELT COMPANY, OF WORCESTER, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

## SNAP-FASTENER.

No. 867,929.

Specification of Letters Patent.

Patented Oct. 8, 1907.

Application filed May 29, 1907. Serial No. 376,325.

*To all whom it may concern:*

Be it known that I, WALLACE C. STILES, a citizen of the United States, residing at West Boylston, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Snap-Fasteners, of which the following is a specification.

This invention relates to improvements in snap fasteners, and the object is to provide a socket member constructed and arranged so that a stud member may be entered from either side thereof, and a double stud, one member of which extends on one side of one of the parts to be detachably connected and the other on the other side of said part whereby the parts may be secured together with either stud member in engagement with the socket.

With the above object in view, the invention consists in the novel features of construction hereinafter fully described, particularly pointed out in the claims, and clearly illustrated by the accompanying drawing, in which,

Figure 1 is a view partly in section and partly in elevation showing the double stud; Fig. 2, a sectional view through the socket-member, and Fig. 3, a sectional view illustrating a modified construction of double stud.

Referring now more particularly to Fig. 1 of the drawing, the numerals 1 and 2 designate the two stud members of the double stud, each of which is formed with a base flange 3 between which the fabric 4 of one of the parts to be detachably secured together extends. One of the stud-members is formed with a screw-threaded opening extending inwardly from its base to receive a screw-threaded stem 5 carried by the other member. This screw-threaded stem may be readily inserted through the fabric, and the two stud-members securely united with one disposed on one side of the fabric, and the other on the other side thereof.

The socket-member, as illustrated in Fig. 2, consists of a cup-shaped portion or case 6 having an eyelet portion 7 which extends through the fabric 8 of the other part to be detachably connected, the outer edge of said eyelet being turned over a washer 9. The fabric thus extends between the bottom wall of the casing and said washer. A spring 10 is placed on the bottom wall of said casing and is formed with portions

projecting into the entrance opening to the casing. A disk 11 over which the outer edge of the side-wall of the casing is turned serves to hold the spring in position. This disk is formed with an opening in line with the opening formed by the eyelet, so that the stud may be entered from either side of the socket member. The spring may be either a single spring, or formed of two parts.

In Fig. 3, I have illustrated a different form of stud. In this construction, instead of uniting the two stud members by means of screw-threads, one of said members 12 is formed hollow with a base 13 having a circumferential shoulder 14, while the other stud member 15 is formed with an eyelet portion 16 which is inserted through the fabric and its edges spread over said shoulder 14 by means of a piece of pointed wire 17 which is placed in the hollow stud-member 12 and serves as a spreading device for automatically effecting the turning of the edge of the eyelet over the shoulder.

From the above description, it will be seen that I have provided a snap-fastener in which the stud-member may be entered from either side whereby the two parts to be detachably connected may be thus connected with either part on either side of the other part.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is:—

1. A snap fastener comprising a socket-member having a spring retaining member, and formed with entrance openings on both sides thereof to receive a stud, and a double stud comprising two stud-members.

2. A snap fastener comprising a socket member, provided with a spring retaining member and an entrance opening on each side thereof, and a double stud comprising two stud members disposed on opposite sides of the part carrying the same, one of said stud members formed with a base having a circumferentially-extending shoulder and the other member formed with an eyelet portion adapted to be spread over said shoulder, and means carried by the first mentioned stud member for automatically spreading said eyelet portion.

In testimony whereof I affix my signature, in presence of two witnesses.

WALLACE C. STILES.

Witnesses:

N. S. MOWRY,  
M. F. DURKEE.