(No Model.)

E. H. SPENCER, Jr.

BUTTON OR STUD.

No. 285,080. Patented Sept. 18, 1883.

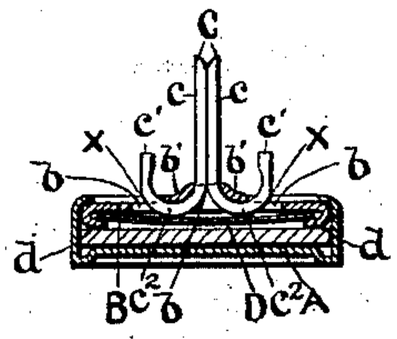

FIG. 1.

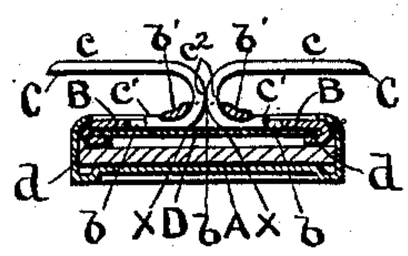

FIG. 3.

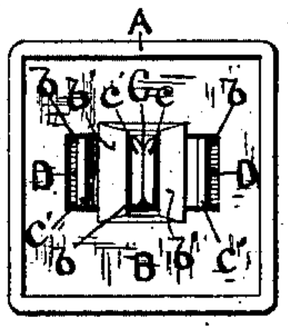

FIG. 2.

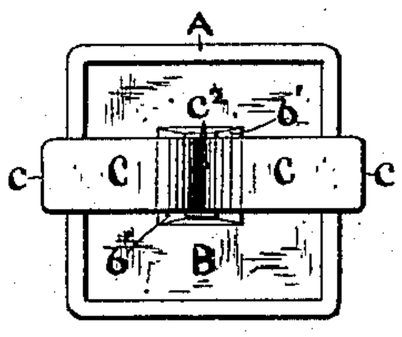

FIG. 4.

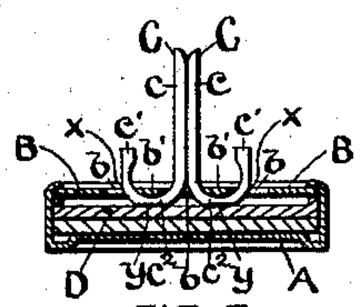

FIG. 5.

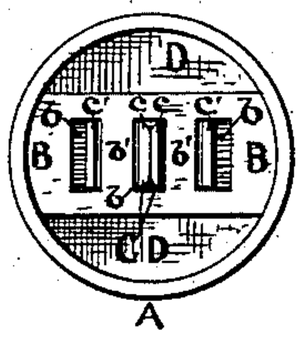

FIG. 6.

WITNESSES.

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UNITED STATES PATENT OFFICE.

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BUTTON OR STUD.

SPECIFICATION forming part of Letters Patent No. 285,080, dated September 18, 1883.

Application filed June 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, EDWARD H. SPENCER, Jr., of the city and county of Providence, and State of Rhode Island, have invented a new and useful Improvement in Buttons and Studs; and I do hereby declare the following specification, taken in connection with the accompanying drawings, forming a part of the same, to be a description thereof.

This invention consists in a button or stud, to the head of which two J-shaped members, forming, when in normal position, the shank and back of the button or stud, are hooked, so that they may be slid or turned on the head into a position to bring the long arms of said members at right angles to the head, in order that the button or stud may be conveniently applied, and also into a position to bring such arms parallel with the head to secure the button or stud in place, as will hereinafter appear.

Referring to the drawings, Figure 1 represents a vertical section of a sleeve-button embodying the invention, with the J-shaped members in position for the button to be applied. Fig. 2 shows a rear view of the same. Fig. 3 represents a vertical section of the button, with the J-shaped members in position to hold it in place. Fig. 4 shows a rear view of the same. Figs. 5 and 6 show, respectively, a vertical section and a rear view of a modification.

A is the button-head, which may be of any preferred shape. To this head a back plate, B, is secured, which plate is provided with slots *b*, to receive the arms *c c'* of the two J-shaped members C C, and is provided with bridge-pieces *b'*, upon which the said members are respectively hooked, so as to slide or turn from the position shown in Figs. 1 and 2 to that shown in Figs. 3 and 4. As shown in the several figures, the members C C are each composed of a long arm, *c*, a short arm, *c'*, and a curved connecting portion, c^2, each member, as a whole, resembling a letter J in shape. The members C C are held in engagement with the bridge-pieces *b' b'*, upon which they are hooked, by a plate, D, which is preferably a spring secured in position by lugs or ears *d d* on the plate B, or in any preferred manner. In order that the members C may be locked in a closed or normal position, the short arms, *c'*, of said members are preferably made thinner than the curved portions c^2, as shown at Figs. 1 and 3; or the members are otherwise constructed so as to produce salient angles *x x* or cam-surfaces, which will cause greater strain upon the spring when said members are moved from the position shown in Fig. 3 toward that shown in Fig. 1. The members C C being in the position shown in Figs. 1 and 2, the button is applied by inserting the arms *c c'* of said members into the button-holes, and sliding or turning said members around the bridge-pieces *b' b'* until the arms *c c* are parallel with the button-head, as shown in Figs. 3 and 4, and the button may be removed by returning the members C C to the position shown in Figs. 1 and 2.

In Figs. 5 and 6 is shown a modification, in which the back plate, B, is intended to have a spring function and the plate D to be rigid. The curved portions c^2 of the members C are here represented as flattened at *y* on their outer surfaces, in order that said members may be more securely held in the position shown by the spring.

From an inspection of Figs. 1 and 2 it will be seen that the arms *c c* of the members C C come in close contact with each other when in the position shown in said figures, and that therefore they can be easily inserted into the button-holes. It will be seen, also, that when said members are turned into the position shown in Figs. 3 and 4, the arms *c c* will form the back, and the curved portions c^2 c^2 will perform the office of a shank.

It will also be understood that by making the members C C in J form, and hooking them on the bridge-pieces *b' b'*, the expensive construction of a hinge-joint of the usual form is avoided.

What I claim, and desire to secure by Letters Patent, is—

1. The button or stud herein described, having a head and two J-shaped members, C C, which are hooked to the head, substantially as described, and are adapted to be turned into the positions specified, substantially as and for the purposes set forth.

2. A button or stud having its head pro-

vided with a slotted plate, B, having bridge-pieces *b'*, the J-shaped members C C, hooked upon said bridge-pieces, and suitable means, as described, for holding said members in engagement with the bridge-pieces, substantially as set forth.

3. A button or stud having its head provided with a slotted plate, B, having bridge-pieces *b'*, the J-shaped members C C, hooked upon said bridge-pieces, and provided with salient angles *x x* or cam-surfaces, and a spring for holding the said members in position, substantially as set forth.

4. A button or stud having its head provided with a slotted plate, B, having bridge-pieces *b'*, the J-shaped members C C, hooked upon said bridge-pieces, provided with salient angles *x x* or cam-surfaces and flattened at *y y*, and a spring for holding the said members in position, substantially as set forth.

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Witnesses:
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