(Model.)

D. S. COOKE & E. H. SPENCER, Jr.

BUTTON OR STUD.

No. 250,713. Patented Dec. 13, 1881.

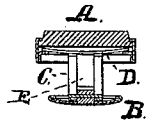

Fig. 1.

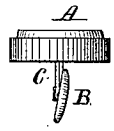

Fig. 2.

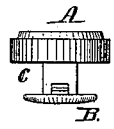

Fig. 3.

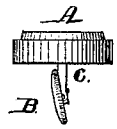

Fig. 4.

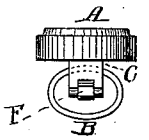

Fig. 5.

Witnesses.
John J. Colton
James J. Nolan Jr

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By Milton B. Vincent Atty.

UNITED STATES PATENT OFFICE.

DANIEL S. COOKE AND EDWARD H. SPENCER, JR., OF PROVIDENCE, R. I.

BUTTON OR STUD.

SPECIFICATION forming part of Letters Patent No. 250,713, dated December 13, 1881.

Application filed June 11, 1881. (Model.)

To all whom it may concern:

Be it known that we, DANIEL S. COOKE and EDWARD H. SPENCER, Jr., both of Providence, in the State of Rhode Island, have invented a new and Improved Button or Stud; and we do hereby declare that the following specification, taken in connection with the drawings making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a vertical section of our improved button. Figs. 2, 3, 4, and 5 are elevations showing operation of the shoe.

Our invention relates to what is known as a "non-separable" button, and is intended as an improvement upon the button or stud patented to us by Letters Patent of the United States No. 235,853; and it consists in constructing the device in such a manner that the shoe may be turned in either direction for the purpose of releasing or inserting the button, instead of in one direction only, as heretofore.

In our invention, A is the front of the button; B, the shoe; C, the post; D, a spring, and E a pin resting thereon and working vertically within the post C.

The shoe B is pivoted to the post C by means of suitable ears upon the latter, and a cam-lug, F, upon the former, a pin or rivet passing through the whole.

The pin E is enlarged at its outer end, and presents a smooth horizontal surface to the action of the cam-lug F. The exterior of the cam-lug F is, in our invention, composed of three surfaces, two of which are perpendicular and terminate in one horizontal surface, which rests upon the pin E, while the shoe B remains in the position shown in Figs. 1 and 3.

To prepare the button for insertion in or removal from the garment, the shoe B may be tipped in either direction, as shown in Figs. 2, 4, and 5, until it reaches a perpendicular position. During this movement of the shoe in either direction, as described, the cam-lug F, through its edges, acts upon and moves the pin E vertically, overcoming the resistance of the spring D until one of the vertical surfaces of the lug F rests upon the end of the pin.

To be able to turn the shoe in either direction is especially desirable in removing the button, as the location of the shoe might render it almost impossible of access from one side only.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination of the front A, post C, spring D, pin E, and shoe B, having a cam-lug, F, formed with two vertical surfaces and one horizontal surface, the whole constructed and operating in the manner substantially as described.

D. S. COOKE.
E. H. SPENCER, Jr.

Witnesses:
WALTER B. VINCENT,
JOHN J. COLTON.