(No del.)

G. E. ADAMS.

BUTTON OR STUD.

No. 373,041. Patented Nov. 15, 1887.

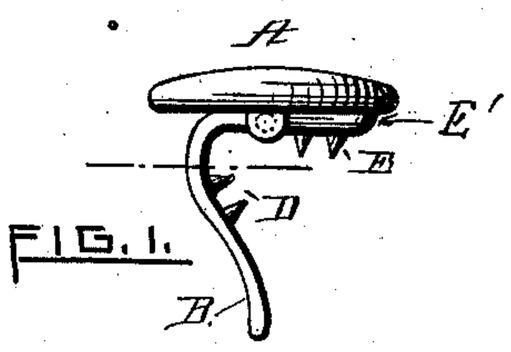

FIG. 1.

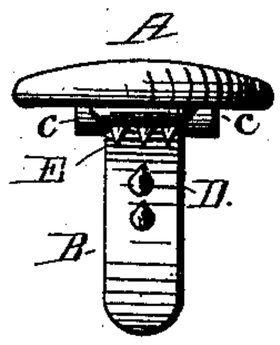

FIG. 2.

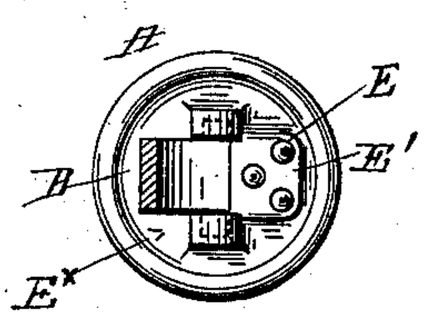

FIG. 3.

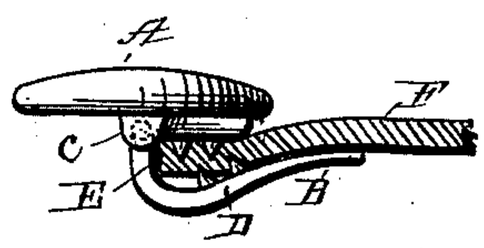

FIG. 4.

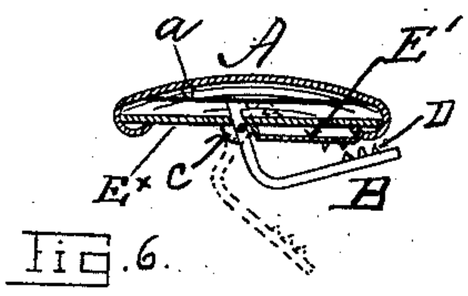

Fig. 6.

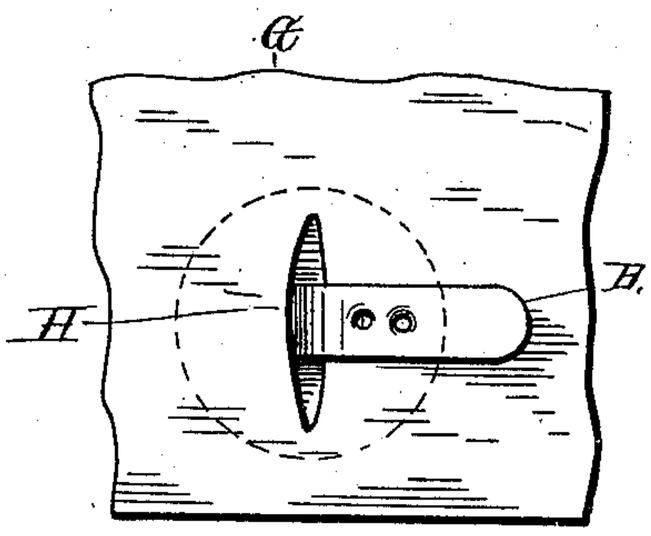

FIG. 5.

WITNESSES.

David D. Granger

Cornelius P. White

INVENTOR.

George E. Adams

By Walter B. Vincent Atty.

UNITED STATES PATENT OFFICE.

GEORGE E. ADAMS, OF PROVIDENCE, RHODE ISLAND.

BUTTON OR STUD.

SPECIFICATION forming part of Letters Patent No. 373,041, dated November 15, 1887.

Application filed March 16, 1887. Serial No. 231,197. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ADAMS, of Providence, in the State of Rhode Island, have invented a new and useful Button or Stud; and I 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 an elevation of my invention, giving a side or edge view of the open arm. Fig. 2 is an elevation of same, giving a flat or face view of the open arm. Fig. 3 shows the under side of the button-head and a horizontal section of the arm. Fig. 4 shows the manner of attaching the button to the edge of the fabric. Fig. 5 shows the manner of attaching the button to the fabric by means of a button-hole. Fig. 6 is a sectional view showing interior spring.

The object of my invention is to produce a button or stud which shall be simple in construction, satisfactory in operation, and not likely to get out of repair; and it consists in the devices hereinafter named for gripping and holding onto the fabric attached to and in combination with the button head or top, as hereinafter described.

In the drawings, A is the button-head. B is a curved arm attached thereto by lugs upon either side secured in bearings C C, and having an interior projecting end working upon a spring, *a*, to hold the arm in an open or closed position.

D and E are corresponding spurs or points attached to the arm and button-head, respectively, for piercing and increasing the friction upon the fabric.

$E^{\times}$ is the inner or back plate, having a raised or struck-up surface, E′, to increase or facilitate the pinching action of the curved arm B.

The spurs or points E are set or formed upon a projection or offset portion, E′, which causes them to stand out well from the under side of the button without being so long as to be in the way or as to permit the fabric to lie loosely between the button and the arm B.

F, Fig. 4, is a piece of fabric having the button secured to the edge thereof.

G is another piece of fabric having a button-hole, H, for the passage of the arm A.

In attaching my improved button or stud the arm B is opened, as shown in Figs. 1 and 2, and passed through or inserted in the button-holes of the several parts which it is desired to hold together, when the arm B is turned down, so as to grip or pinch the fabric, as shown in Figs. 4 and 5, the points D and E piercing the fabric and increasing the friction to an extent sufficient to hold the button securely in place. This device is also serviceable in attaching the ends of the scarf to the edge of the shirt-front in the manner shown in Fig. 4.

The device herein described holds by the friction upon the fabric, and is entirely different and should be distinguished from a variety of fastening devices when a lateral pull or strain is resisted by leverage.

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

A button or stud, A, having a spring, and a plate, $E^{\times}$, with a projecting surface, E′, a hinged curved arm, B, having prongs or spurs D, and adapted to be closed against the prongs or spurs on the portion E′, substantially as set forth.

GEORGE E. ADAMS.

Witnesses:
JOHN C. KNOWLES,
F. L. SWEET.