

Ernst Bredt.
Improvement in Shirt Studs.

No. 121,231.

Patented Nov. 28, 1871.

Fig. 1.

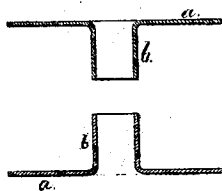


Fig. 5.

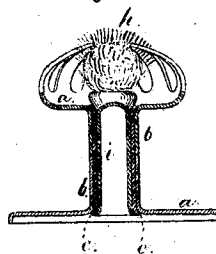


Fig. 7.

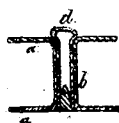


Fig. 8.

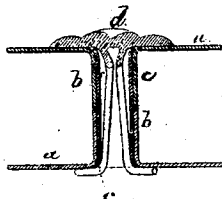


Fig. 6.



Fig. 3.

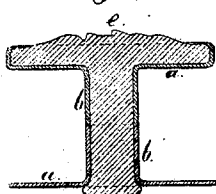
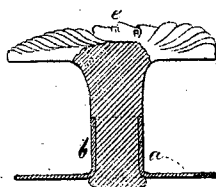


Fig. 4.



Witness

Charles Smith
Harold Perrell

Ernst Bredt

L. W. Perrell

UNITED STATES PATENT OFFICE.

ERNST BREDT, OF NEW YORK, N. Y.

IMPROVEMENT IN STUDS FOR SHIRTS.

Specification forming part of Letters Patent No. 121,231, dated November 28; antedated November 10, 1871.

To all whom it may concern:

Be it known that I, ERNST BREDT, of the city and State of New York, have invented and made an Improvement in Studs for Shirts, &c., and the following is declared to be a correct description thereof:

Buttons have been made with a hollow stem between the head and a flange, and a disk with a rivet has been used, and, in other cases, an eyelet has been employed to hold two disks together and fasten them on the cloth. Neither of these was adapted to a shirt-stud, in which the two heads are provided for the button-holes. Shirt-studs have also been made with a tube or a wire soldered at the ends to the disks forming the heads. Difficulty is experienced in soldering these parts in their correct positions, and there is no opportunity to apply a different kind of head to the disk or button except in the progress of the manufacture. The object of my invention is to allow the button or disk and the ornamental end or stud to be made separately, and each to contain a portion of the shank, so that when the two parts are put together to form the stud each end will be properly supported and held central in relation to the shanks. Thereby the disks or ends of the stud can be made separately of any desired form or pattern and brought together in pairs according to the taste of the workmen, so that great variety can be obtained and the stud is strong and handsome. These objects are effected by making the disk or shell forming the end or head of the stud out of a sheet or piece of metal with a hollow neck projecting from the center of such stud or disk and pressed up or formed by dies, said neck receiving through it the pin, screw, or tube, or other device that fastens the two parts together.

In the drawing, Figure 1 is a section showing the two parts of the stud separately. Fig. 2 is a section of the stud complete, and Figs. 3 and 4 show the stud with a separate ornamental head.

The disk or head *a* of the stud is made of a sheet or piece of metal of the desired size or shape. *b* is a hollow neck pressed up in the sheet metal of the disk or head so as to form a short cylinder that makes part of the shank, and

serves to hold the disk or head in the proper position relatively to the shank. These necks, with disks or heads, are to be united in pairs, and the disks may be of the same size or of different sizes or shapes. I have shown in Fig. 2 the disks of the same size and shape united by a tubular rivet, *c*, and also provided with an ornamental head or end, *d*, that is held in place by a wire through the tubular rivet *c*. The necks *b b* may be united by a rivet, screw, or other device, and the head *d* may be held in place by a second tube, as seen in Fig. 7, or by a rivet, screw, or other device.

This mode of construction allows for the use of a variety of ornamental heads with the same stud, or for putting together various parts as selected, according to the taste of the workman.

Fig. 3 shows the edge of the disk turned up to inclose an ornamental head, *e*, and this may be held by said edge alone, or the head may have a stem passing through the necks *b* to unite them together, or into or through a tubular rivet, *c*. The head *e* might be used with one disk and neck, as in Fig. 4, said head being of any desired size or shape; and in Fig. 5 I have shown disks *a* with necks *b* united by the tube *c*, but the edges of one of the disks *a* are bent up to form an ornamental head and a central ornament, *h*, is retained in place by a second tube or stem, *i*, passing through the tube *c*. Fig. 6 is a perspective view of one of my improved studs with an ornamental center, the section, Fig. 7, corresponding generally to the stud shown in Fig. 6.

I claim as my invention—

A shirt-stud made of two disks, with their respective necks, in the manner specified, and united together by a connection that passes through said necks, as and for the purposes set forth.

Signed by me this 3d day of February, A. D. 1871.

ERNST BREDT.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY.

(23)