

Ernst Bredt.
 Impt. in Studs for Shirts &c

No. 122,988.

Patented Jan. 23, 1872.

Fig. 4.



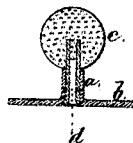
Fig. 1.



Fig. 3.



Fig. 2.



Witnesses

Chas. Smith
 Geo. A. Walker

Inventor.
 Ernst Bredt

Lemuel M. Perrell atty.

UNITED STATES PATENT OFFICE.

ERNST BREDT, OF NEW YORK, N. Y.

IMPROVEMENT IN SHIRT-STUDS.

Specification forming part of Letters Patent No. 122,988, dated January 23, 1872; antedated January 12, 1872.

To all whom it may concern:

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

My present invention relates to a stud for shirts made with an ornamental head secured to a disk of metal that has a tubular neck made therein.

I employ a metal disk with a tubular neck formed out of one piece of sheet metal, and to this I affix an ornamental head by means of a tubular metallic stem to which said head is affixed. By this construction a variety of ornamental heads may be provided, and then connected to the disks as required for use, and a very strong and neat article is made at little cost.

In the drawing, Figure 1 is a side view of a stud of about an ordinary size. Fig. 2 is a section of the same enlarged. Fig. 3 shows the stem and head separately, and Fig. 4 is a side view of the disk and neck.

The neck *a* is made of the same piece of sheet metal as the disk *b*, by means of suitable tools, in the desired shape, and the surface may be finished by turning, polishing, or otherwise. The ornamental head *c* is made of glass, ivory, or other material attached firmly to the tubu-

lar metallic stem *d*. This stem can be of any suitable length to facilitate handling; and hence in the manufacture of heads with glass the ornaments can be easily made on said stem, or the glass held for heating or shaping with great facility. The stem is inserted through the neck *a*, is cut off of the proper length either before or after being inserted, and the tubular metal stem is attached into said neck by spreading the rear end. The tubular stem *d* may be made by a strip of sheet metal bent up and drawn through a die, and to secure this stem into the neck *a* it is only necessary to insert a tapering punch to spread the rear end of the tubular stem.

This construction of shirt-stud is very cheap and strong, and by means of the tubular metallic stem a great variety of ornamental heads may be applied to the same character of disk and neck forming the back of the stud.

I claim as my invention—

A stud made with an ornamental head, *c*, upon the tubular stem *d*, and attached to the neck *a* of the disk *b*, as and for the purposes set forth.

Signed by me this 24th day of May, A. D. 1871.

Witnesses:

ERNST BREDT.

CHAS. H. SMITH,

GEO. T. PINCKNEY.