

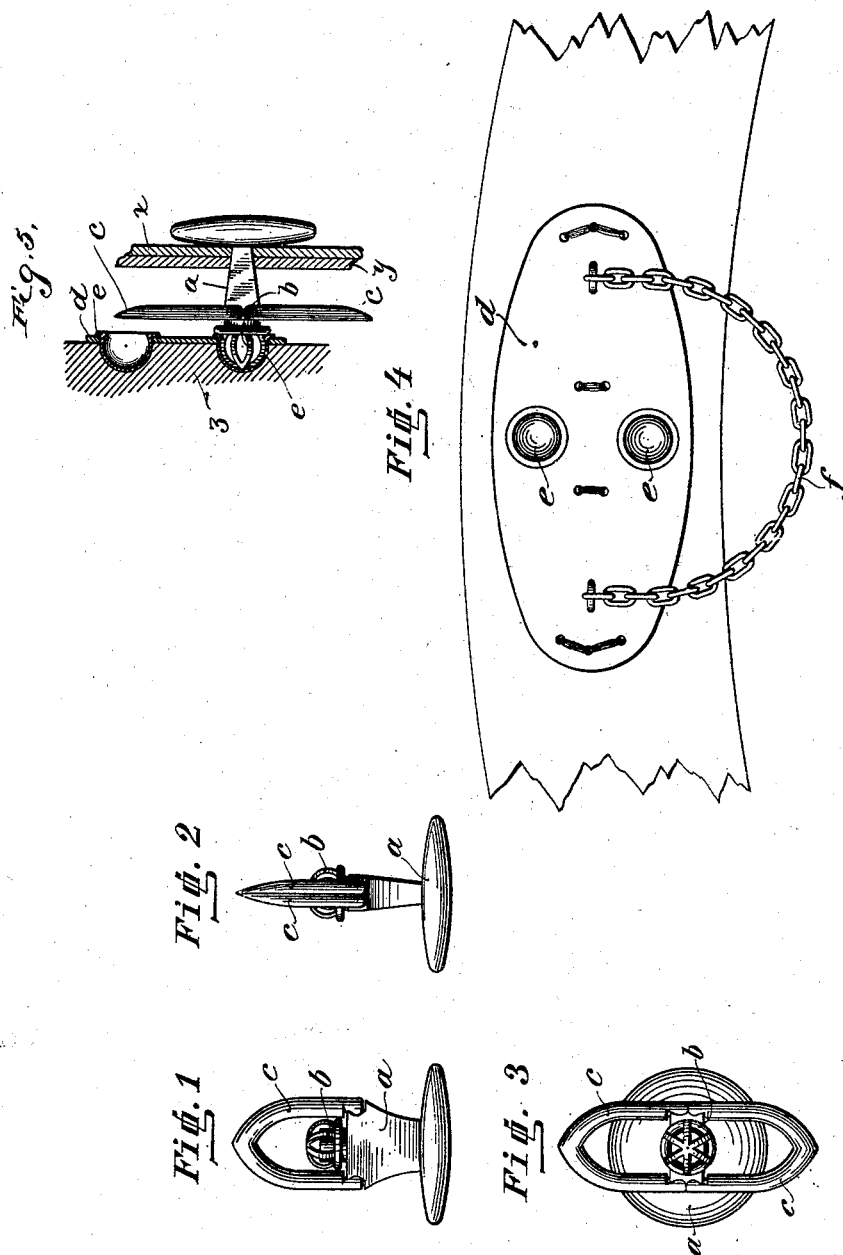
No. 647,247.

Patented Apr. 10, 1900.

F. BARTEL & A. WOSERAU.
COLLAR STUD.

(Application filed Sept. 23, 1899.)

(No Model.)



Witnesses:
J. Green
Colin Campbell.

Inventors
Fritz Bartel and
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By Sam. J. [Signature] Attys.

UNITED STATES PATENT OFFICE.

FRITZ BARTEL AND ARTHUR WOSERAU, OF BERLIN, GERMANY.

COLLAR-STUD.

SPECIFICATION forming part of Letters Patent No. 647,247, dated April 10, 1900.

Application filed September 23, 1899. Serial No. 731,415. (No model.)

To all whom it may concern:

Be it known that we, FRITZ BARTEL, cashier, residing at Bülowstrasse 81, and ARTHUR WOSERAU, architect, residing at Potsdamerstrasse 73, Berlin, in the Kingdom of Prussia and Empire of Germany, subjects of the King of Prussia, Emperor of Germany, have invented certain new and useful Improvements in and Connected with Collar-Studs, of which the following is a full, clear, and exact description.

This invention has reference to collar-studs the object of which is to keep the coat-collar in a certain position, and so prevent it from slipping up or down in sitting or bending, so as to show either the stud itself or the necktie, and also to prevent the shirt-collar being soiled quickly by the friction.

The invention is illustrated in the annexed drawings in twice the actual size.

Figures 1 and 2 are respectively a side and an edge view of the stud, showing hinged arms folded together, as when passed through the buttonholes in the shirt-band and shirt-collar. Fig. 3 is a front view showing said arms unfolded or turned back to confine the collar and permit the insertion of the projecting stud in the coat-collar plate, as hereinafter described. Fig. 4 shows the plate to be fastened to the inside of the coat-collar. Fig. 5 is a sectional view showing the stud in position in the shirt-band, shirt-collar, and coat-collar plate.

Referring now to Figs. 1, 2, and 3 of the drawings, there are on the stem *a* of the collar-stud a small compressible button *b*, made in the well-known manner, and two folding arms *c c*, the dimensions of which are such that they may be folded against each other over the button *b*, as shown in Figs. 1 and 2. In this position the stud is passed through the buttonholes in the neckband of the shirt and

the shirt-collar, after which the arms *c c* are unfolded or folded back into the position shown in Fig. 3, by which the collar is confined snugly to the shirt-band, while the compressible button *b* projects in position to be inserted in an aperture in a plate secured to the inside of the coat-collar.

In case it is desired that the coat-collar should be at a certain distance from the shirt-collar the compressible button *b* may be placed on a stem of any desired length.

Referring now to Fig. 4, on the inside of the coat-collar a small plate *d*, of any suitable material, is attached by means of sewing or in any other convenient manner. In the plate there are one or more openings *e*, into either of which the compressible button *b* is inserted. A chain *f* may at the same time be fastened on plate *d* in any suitable manner for the purpose of hanging up the coat.

In Fig. 5, *x* may represent the neckband of the shirt, *y* the collar-band, and *z* the coat-collar, to which the eyelet-plate *d* is secured.

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

1. The stud *a*, having a flat shank and a compressible button-head *b*, in combination with the plate *d*, for attachment to the coat-collar, having apertures *e, e*, in either of which the button *b*, may be inserted, as explained.

2. The stud *a*, having a compressible button-head *b*, and folding arms *c c* in combination with a plate *d*, apertured for the insertion of the projecting button-head as explained.

In witness whereof we subscribe our signatures in presence of two witnesses.

FRITZ BARTEL.
ARTHUR WOSERAU.

Witnesses:

HENRY HASPER,
WOLDEMAR HAUPT.