

C. H. FIELD.
SHIRT STUD.

No. 186,202.

Patented Jan. 16, 1877.

Fig. 1.

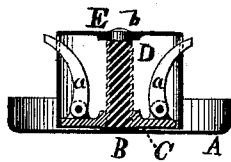


Fig. 2.

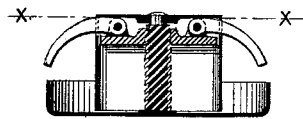


Fig. 3.

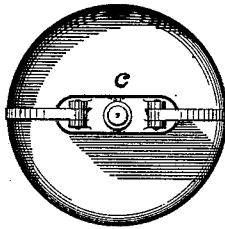
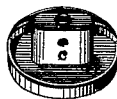


Fig. 4.



WITNESSES.

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CHARLES H. FIELD, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN SHIRT-STUDS.

Specification forming part of Letters Patent No. 186,202, dated January 16, 1877; application filed July 5, 1876.

To all whom it may concern:

Be it known that I, CHAS. H. FIELD, of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Shirt-Studs, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to produce a shirt-stud that may be more easily inserted in the bosom or cuff of a shirt, without deforming the button-hole or defacing the linen.

This stud is provided with an adjustable shoe, so constructed that the shoe may be contracted into a small compass for insertion, and after passing through the button-holes can be expanded, so as to serve in place of the ordinary stud with a solid shoe.

Figure 1 is a cross-section, showing the stud with the shoe contracted in the right position for insertion through the button-hole. Fig. 2 is a section, showing the shoe expanded in the position to be worn. Fig. 3 is a plan with the cap E removed. Fig. 4 is a perspective view.

B is a screw-threaded post, soldered to the top or head of the stud A. C is an oval-shaped nut, fitted to threaded post B. *a a* are small curved arms, hinged to the nut C. D is an oval-shaped tube, provided with two holes in

opposite sides of its greatest diameter, through which the curved arms *a a* project. E is a cap, which serves as a cover over the end of tube D, and held in position by means of small screw *b*, which is loosely fitted to the cap and tapped into the post B.

When the tube D is inserted through the button-hole, its oval shape will prevent it from turning round, and by turning the top or head of the stud A, the nut C, to which the curved arms *a a* are hinged, will travel toward the cap E, thus expanding the arms *a*, which constitute the shoe.

For the purpose of adjusting the shoe quickly, the post B is provided with six or eight threads, (more or less.) A little friction is produced on the sides of the nut C, to keep the shoe in position while being worn, by slight indentations in the sides of oval tube. (Shown at *c* in Figs. 3 and 4.)

I claim as my invention—

A shirt-stud provided with an adjustable shoe, constructed as described, and adapted to be expanded and contracted by operating a screw-threaded post attached to the outer disk of the stud, substantially as described.

CHARLES H. FIELD.

Witnesses:

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GEO. W. STANTON.