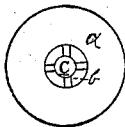
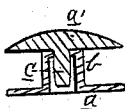


*R. B. Ruggles,
Button.*

No. 49,305.

Patented Aug. 8, 1865



*R. B. Ruggles
E. R. Brownham } Witnesses
J. M. Ellis*

UNITED STATES PATENT OFFICE.

ROBT. B. RUGGLES, OF HARTFORD, CONNECTICUT.

SHIRT-STUD.

Specification forming part of Letters Patent No. **49,305**, dated August 8, 1865.

To all whom it may concern:

Be it known that I, ROBERT B. RUGGLES, of Hartford, county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Shirt-Studs, &c.; and I do hereby declare that the same is described and represented in the following specification and drawings, and to enable others skilled in the art to make and use the same, I will proceed to describe its construction by referring to the drawings, in which the same letters indicate like parts in each of the figures.

This improvement relates to that kind of studs which are made in two parts for the purpose of being more easily inserted through the button or eyelet hole, for the purpose of preventing tearing or otherwise injuring the hole.

In the accompanying drawings, *a* is a button, having a hollow stud, *b*, the hole of which is bored larger through the button than at the inner end of the stud, the inner end of which is slitted, so as to allow the end to spring. *a'* is another button, having a shank, *c*, the inner end of which is made a little larger than it is

nearer to the button, so that as the shank *c* is inserted into the stud *b* it will spread and again close up as the shank *c* is pushed into the stud. Thus the two buttons *a* and *a'* are held together with sufficient tenacity to prevent their being accidentally disengaged, but may be easily drawn apart by pulling one of the buttons squarely from the center.

I believe I have thus described this improvement so as to enable a person skilled to make the same therefrom.

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

As a new improved article of manufacture, the button *a*, having an unequally perforated and slitted stud, *b*, in combination with the button *a*, having an unequal-sized shank, *c*, working together substantially as and for the purpose described.

ROBT. B. RUGGLES. [L. S.]

Witnesses:

E. R. BURNHAM,
J. W. BLISS.