

W. E. Simonds,

Stud.

No. 103,093.

Patented May 17, 1870.

Fig 1.



Fig 2.



Witnesses.

Edwin E. Haron

William H. Cogswell

Inventor.

W. E. Simonds

United States Patent Office.

WILLIAM E. SIMONDS, OF HARTFORD, CONNECTICUT.

Letters Patent No. 103,093, dated May 17, 1870.

IMPROVEMENT IN STUDS FOR FASTENING NECK-TIES TO COLLARS.

The Schedule referred to in these Letters Patent and making part of the same.

I, WILLIAM E. SIMONDS, of Hartford, county of Hartford and State of Connecticut, have invented certain Improvements in Shirt-collar Studs, of which the following is a specification.

Nature and Objects of the Invention.

My improvement consists in so constructing a slot in the solid bulb or semi-bulb which commonly forms the front part of the ordinary shirt-collar stud that the common loop of a "snap" or "butterfly" neck-tie can be readily fastened therein, where it will be safely retained.

Description of the Accompanying Drawings.

Figure 1 is a side view of the stud.

Figure 2 is a central vertical sectional, the section being at a right angle to the slot wherein the loop of the neck-tie is fastened.

General Description.

Many attempts have been made to construct some kind of a hook on the front end of a shirt-collar stud, so that the loop of a "butterfly" neck-tie can be readily fastened therein, but it has not heretofore been done successfully.

The difficulty to be overcome is to so construct this hook that it shall not interfere with pushing it through the thicknesses of the shirt and collar. However easy this may look in theory, in practice it is difficult.

An ordinary hook fastened to the front face of an ordinary stud can only be pushed through these four thicknesses of shirt-band and collar with great difficulty, and then only by tearing the band or collar if either be at all fragile.

The letter *a* indicates the bulb or semi-bulb which forms the front end of an ordinary collar stud.

Back, near to the back part of the bulb, a slot *b* is sawn about half way through the bulb, and the bottom of the slot is bored out so as to form a seat for the loop of the neck-tie, the bottom of which slot is somewhat below the center of the bulb.

By preserving the general spherical shape of the bulb it can be pushed through any number of thicknesses with ease, the narrow slot *b* not interfering.

It is not practicable to button a stud into the band and collar by pushing it through backward, buttoning the collar first and then the shirt-band, as any person can easily satisfy himself by a single trial.

In fastening the loop of a "butterfly" neck-tie on an ordinary stud, the thickness of shirt and collar so fill the stud as to make it difficult to fasten on the loop, and often, when so fastened on, the movement of the collar, as the wearer moves about, will unfasten the loop so that a neck-tie is often lost in the street without the loser being aware of his loss at the time.

My stud cures both these defects completely.

Claim.

I claim as my invention—

A shirt-collar stud having the slot *b* sawn in the bulb *a*, substantially as described, and for the purpose set forth.

WM. E. SIMONDS.

Witnesses:

EDWIN MARVIN,
WILLIAM H. COGSWELL.