

J. I. WADDELL.
Collar-Buttons or Studs.

No. 137,807.

Patented April 15, 1873.

Fig. 1.

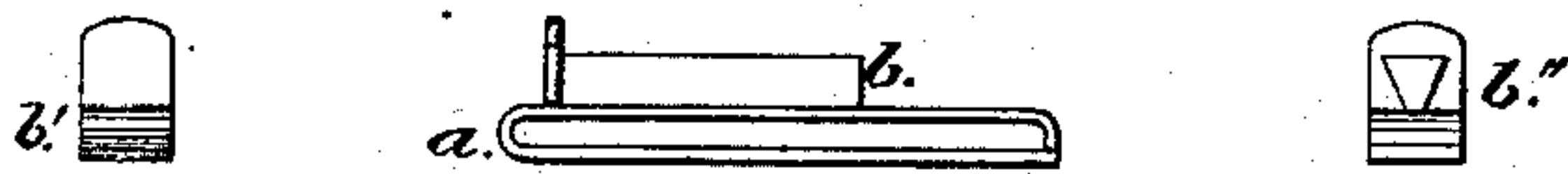


Fig. 2.

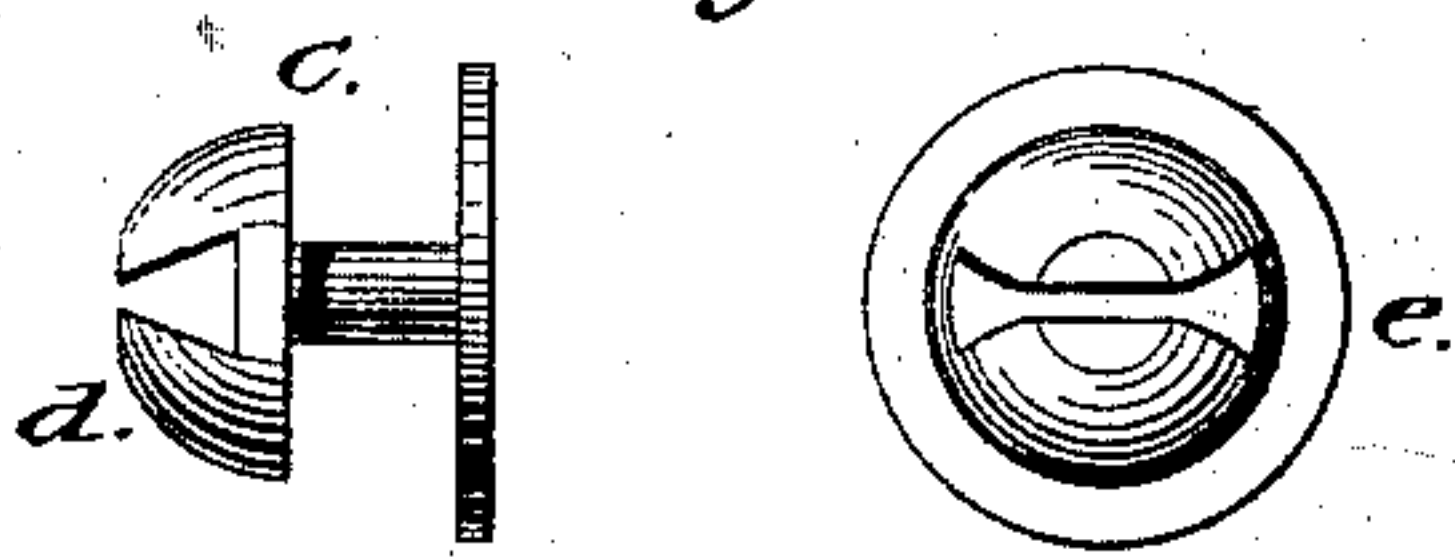


Fig. 3.

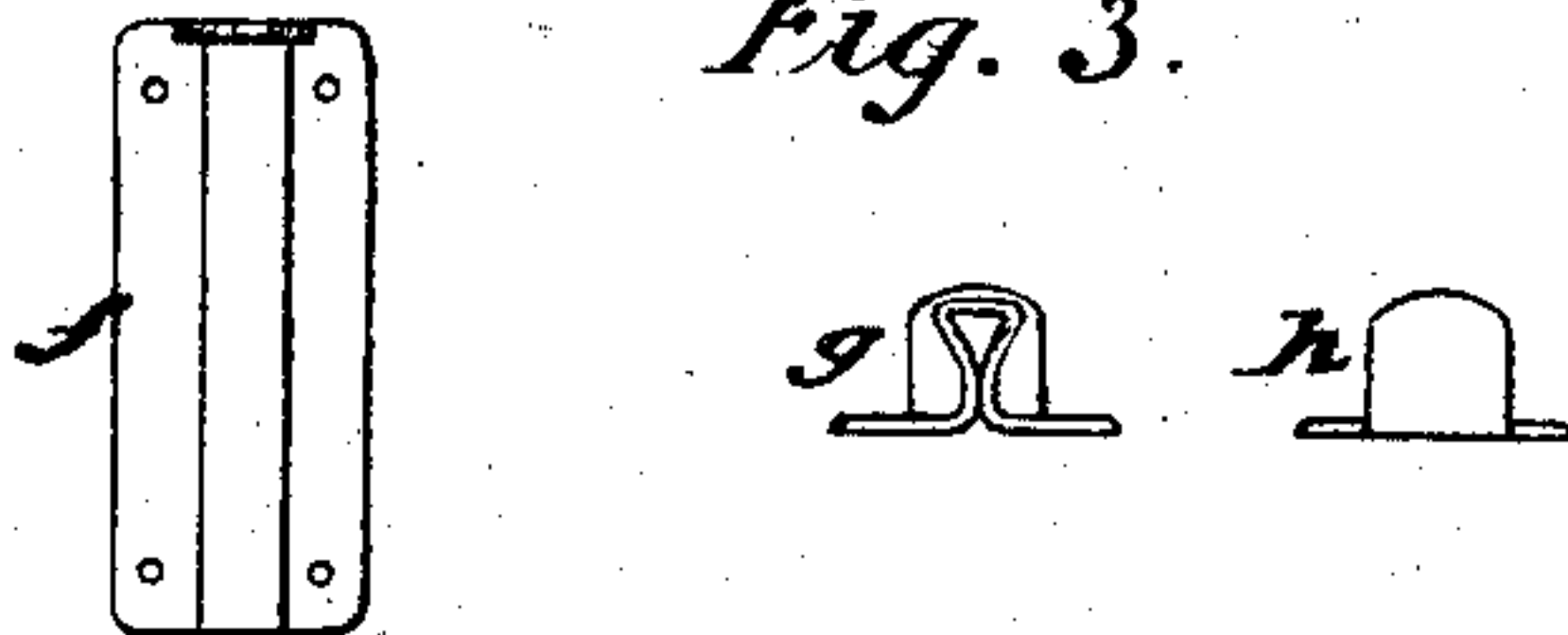
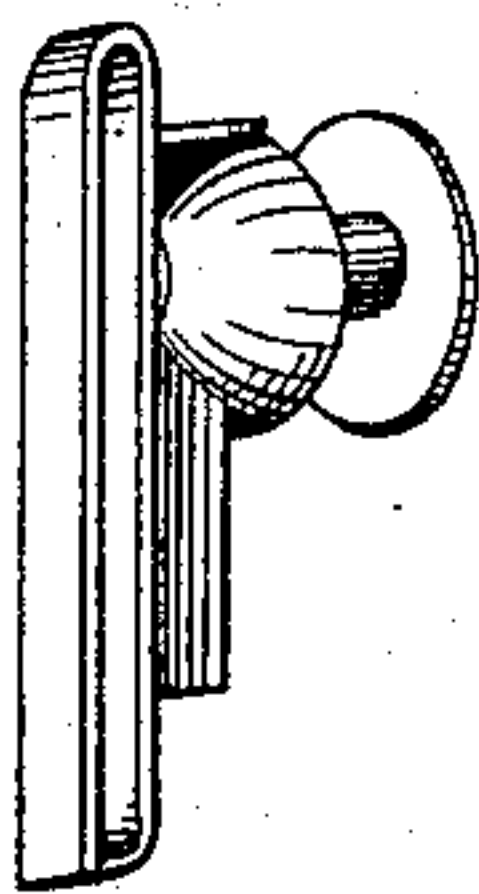


Fig. 4.



Attest;
J. J. Howard
Geo. H. Shafer

Inventor;
Jas. I. Waddell

UNITED STATES PATENT OFFICE.

JAMES I. WADDELL, OF ANNAPOLIS, MARYLAND.

IMPROVEMENT IN COLLAR BUTTONS OR STUDS.

Specification forming part of Letters Patent No. **137,807**, dated April 15, 1873; application filed February 8, 1873.

To all whom it may concern:

Be it known that I, JAMES IREDELL WADDELL, of Annapolis, in the county of Anne Arundel and State of Maryland, have invented certain Improvements in the Collar Button or Stud called "The T Button or Wedge," of which the following is a specification:

The T button or wedge is composed of three parts. The first part, Figure 1, of my invention relates to the combination of a spring and wedge. The object of the spring, letter *a*, is to hold firmly the card or collar fly. The fly is a part of the apparel of men. The object of wedge, letter *b*, attached to the spring *a* is to fix securely the fly to the collar-button. *b'* is the cap of the wedge *b* to prevent the wedge slipping through the button. *b''* is the vertical view, with the cap, of the wedge *b*. The spring and wedge should be made of metal. The spring can be moved from one to another fly. The second part, Fig. 2, of my invention relates to a shirt-collar button or stud, letter *c*, in the cone, letter *d*, of which is

described a triangle, the apex of which is open, and through which the wedge, letter *b*, moves freely downward until arrested by its cap. *e* is the plan of the button or stud. The third part, Fig. 3, of my invention is the wedge, letter *f*, detached from the spring, letter *a*, the object being to attach it to the card of a collar-fly. *g* is the top view, with the cap, of wedge, letter *f*. *h* is the reverse of *g*. The fourth part, Fig. 4, combines Figs. 1 and 2.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A neck-tie fastener, composed of a stud or button grooved or dovetailed transversely of its outer disk and a wedge-shaped piece, *b*, having a spring, *a*, attached thereto, constructed and arranged substantially as and for the purpose set forth.

JAMES IREDELL WADDELL.

Witnesses:

GEO. H. SHAFER,
JOSEPH BRYAN.