

**SALLE ZACHARIAS.**  
**Stud-Fastening.**

No. 160,634.

Patented March 9, 1875.

Fig. 1.

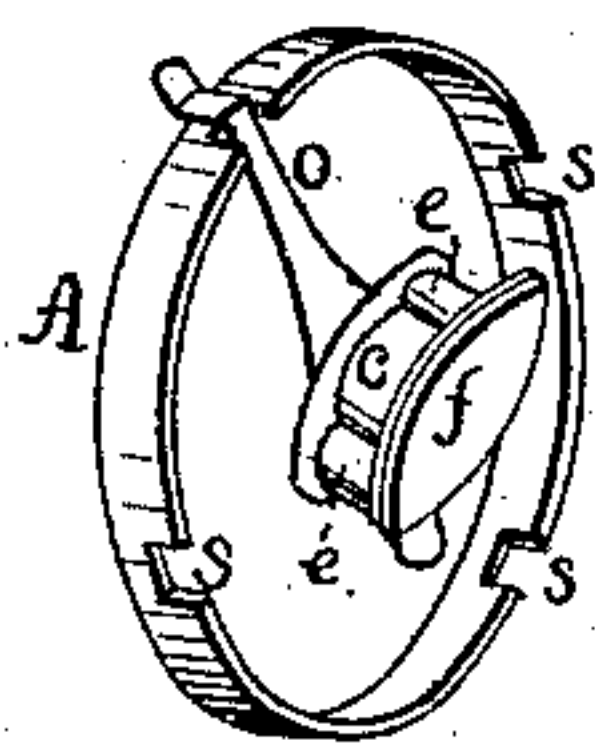


Fig. 2.

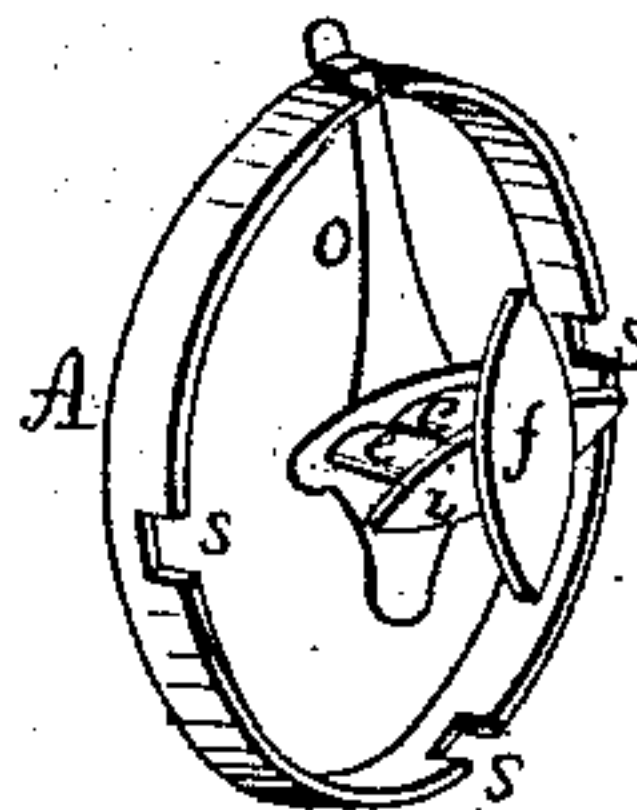


Fig. 3.

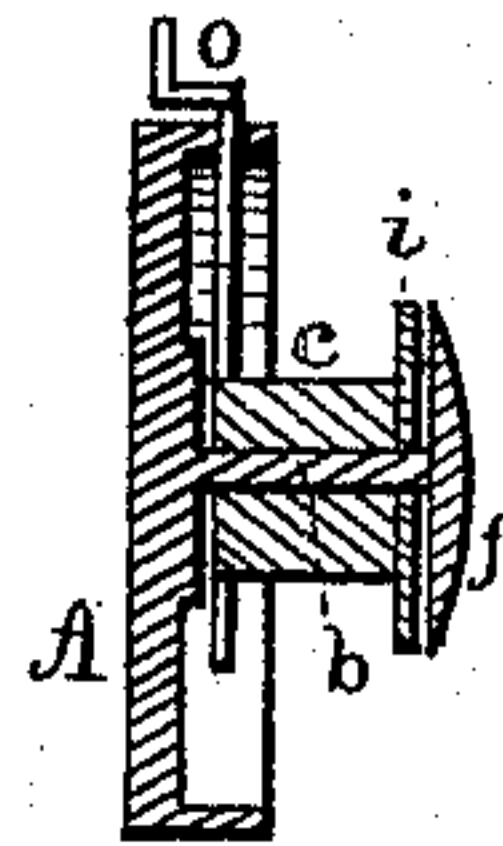
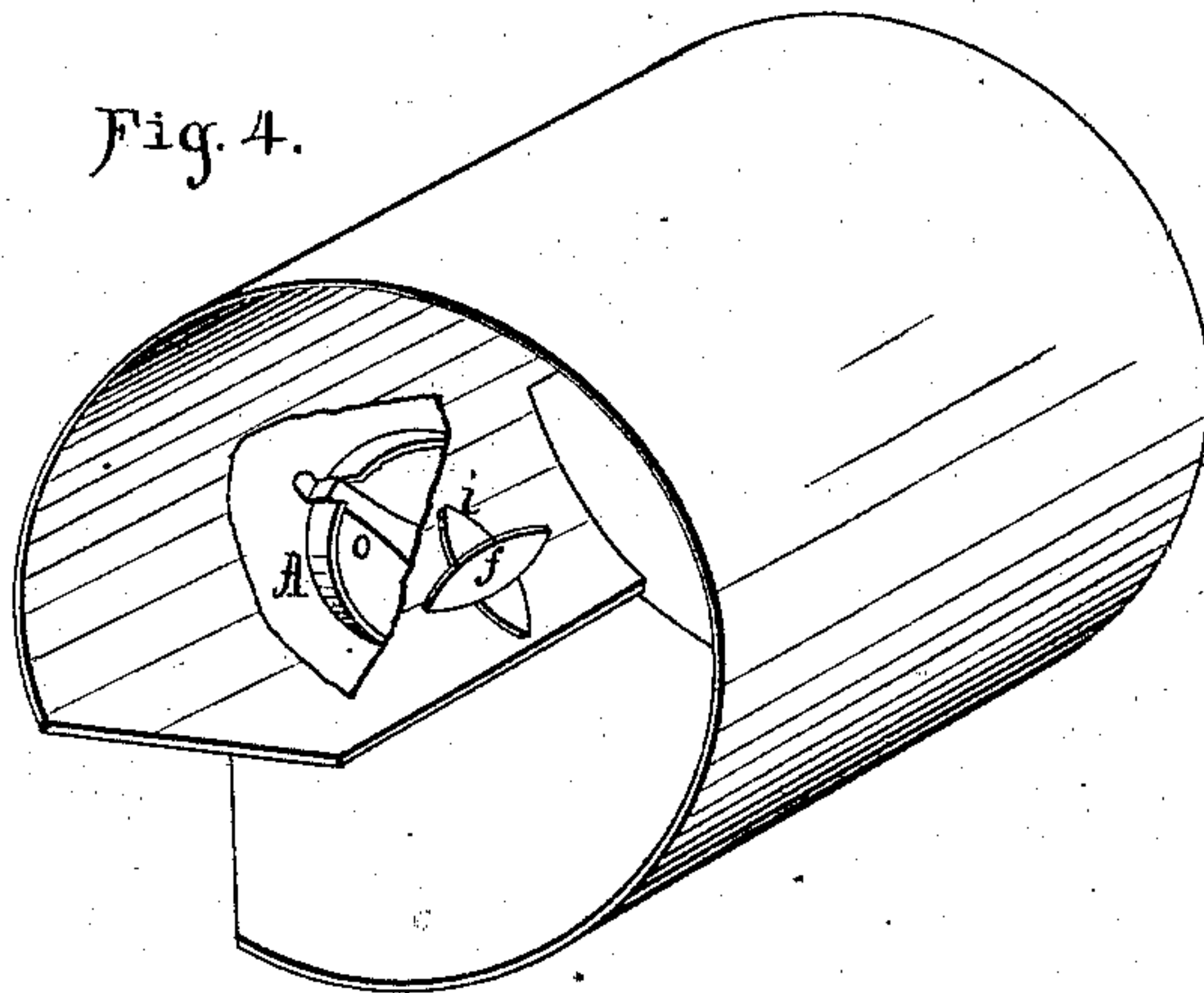


Fig. 4.



WITNESSES:

*John L. Boone*  
*C. M. Richardson.*

INVENTOR.

*Salle Zacharias.*  
*by Dewey & Co.*  
*Attys.*

# UNITED STATES PATENT OFFICE.

SALLÉ ZACHARIAS, OF SAN FRANCISCO, CALIFORNIA.

## IMPROVEMENT IN STUD-FASTENINGS.

Specification forming part of Letters Patent No. **160,634**, dated March 9, 1875; application filed December 10, 1874.

*To all whom it may concern:*

Be it known that I, SALLÉ ZACHARIAS, of San Francisco city and county, State of California, have invented an Improved Stud-Fastening; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

My invention relates to an improved fastening for securing buttons, studs, and other articles of jewelry in button-holes; and it consists of an arrangement by which the shank of the stud or button can be readily introduced into the button-hole and fastened without stretching or distorting the hole or rumpling the linen article of apparel in which the button or stud is to be secured.

In order to more fully explain my invention, reference is had to the accompanying drawing, forming a part of this specification, in which—

Figures 1 and 2 are perspective views of my device. Fig. 3 is a sectional view. Fig. 4 is a view showing the manner of using the fastening.

A is a button, stud, or other article of jewelry which it may be desired to secure in a button-hole, for the purpose of attaching it to articles of wear upon the person, or of connecting two portions of the article together.

In the present instance I have represented my fastening as applied to a cuff-button, for the purpose of showing its application.

The button A has a shank, *b*, which is of the desired length to extend through the thickness of the article or articles to which the button is to be attached. Upon this shank I secure a rotating sleeve, *c*, which has a wing, *e*, upon opposite sides, so that the sleeve with its wings will fit in the button-hole without unduly stretching it. On the outer end of the sleeve *c* I secure an oval disk, *i*, and on the outer end of the shank *b* I form a corresponding oval disk, *f*, so that the sleeve *c* with its disk can rotate upon the shank between the button A and disk *f*, the two disks lying together. On the inner end of the sleeve

*c* I secure a spring, *o*, which extends out along the under side of the button-head A until its extremity projects slightly beyond the rim of the button. A notch, *s*, or equivalent catch, is formed or secured at each quarter of the head A, so that the spring will be stopped by each one as the button-head rotates. By pressing the extremity of this spring down with the finger, the head A can rotate freely as long as the pressure is continued, so as to prevent the spring from entering any of the notches; but it can be stopped in either of the notches desired.

To secure the button in a button-hole, the two disks *i* and *f* are made to lie in the same direction, one upon the other, by changing the spring to the proper notch. The disks are then passed through the button-hole, where, by depressing the spring with the finger, the button A can be rotated one-quarter of the way around until the spring drops into the next notch, so as to turn the disk *f* on the opposite or inner end of its shank across the shank *i*, and thus secure the button in place.

The wings *e* on the sleeve *c* prevent the sleeve from turning when the button with its shank is turned, so that a quarter-revolution of the button in any direction will place the disks in the proper position to fasten or unfasten the button.

The projecting end of the spring *o* does not extend upward from the button far enough to permit a pressure on a plane with the upper face of the button to move it out of the notch, so that it cannot become unfastened unless a special pressure is applied to it.

This fastening is exceedingly simple and cheap, and is very convenient, as it can easily be operated with one hand, and will not mar the button-hole, or cause the person applying it to rumple the cuff or article to which it is applied.

I am aware that studs have been fastened by arms operated in a similar manner, these arms being first brought together and passed through the button-hole, and then spread in opposite directions. This construction is objectionable, as the cuffs or other articles of wearing-apparel are liable to be rumpled in



the effort to pass the arms through the button-hole. It is also objectionable as furnishing only two points of security, while my disks, being centrally pivoted, furnish four points for securing the studs, and the disks, being made of a shape and size corresponding with the shape and size of the button-holes, pass directly through the latter without danger of rumpling, and by being centrally pivoted furnish a simple and efficient means of securing the stud.

Having thus described my invention, what

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

The button A, constructed with the shank *b* and concentric disks *f* and *i*, the latter centrally pivoted on said shank, the rotating sleeve *c*, spring *o*, and notched rim, substantially as described.

SALLÉ ZACHARIAS.

Witnesses:

JNO. L. BOONE,

C. M. RICHARDSON.