

J. P. Derby.
Button.

No. 16872.

Patented Mar. 24, 1857.

Fig 1



Fig 2

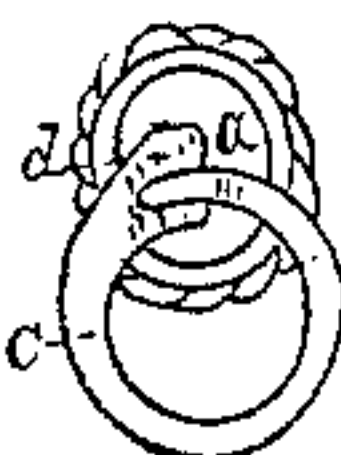


Fig 3

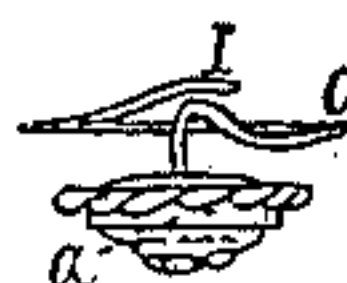


Fig 4

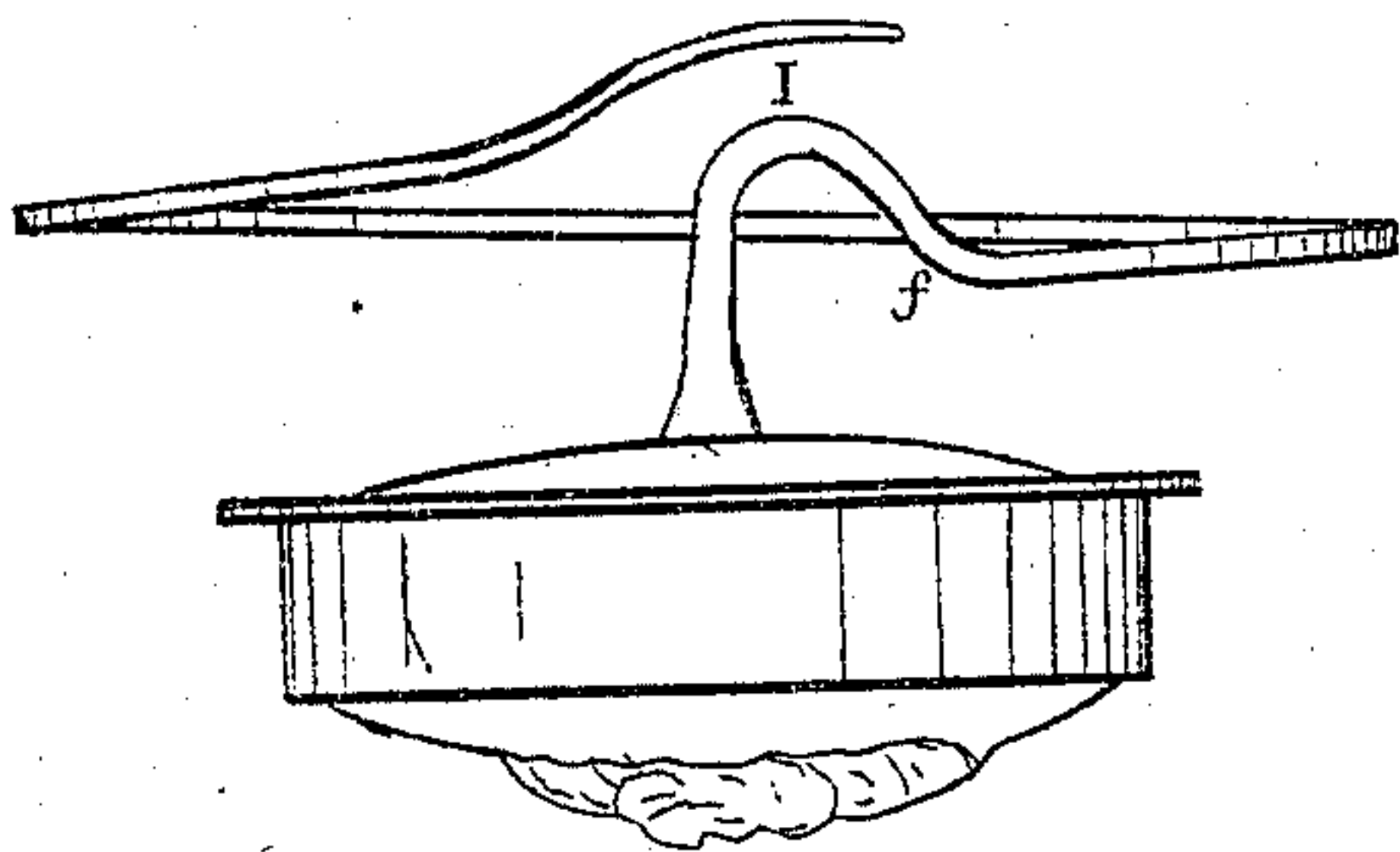
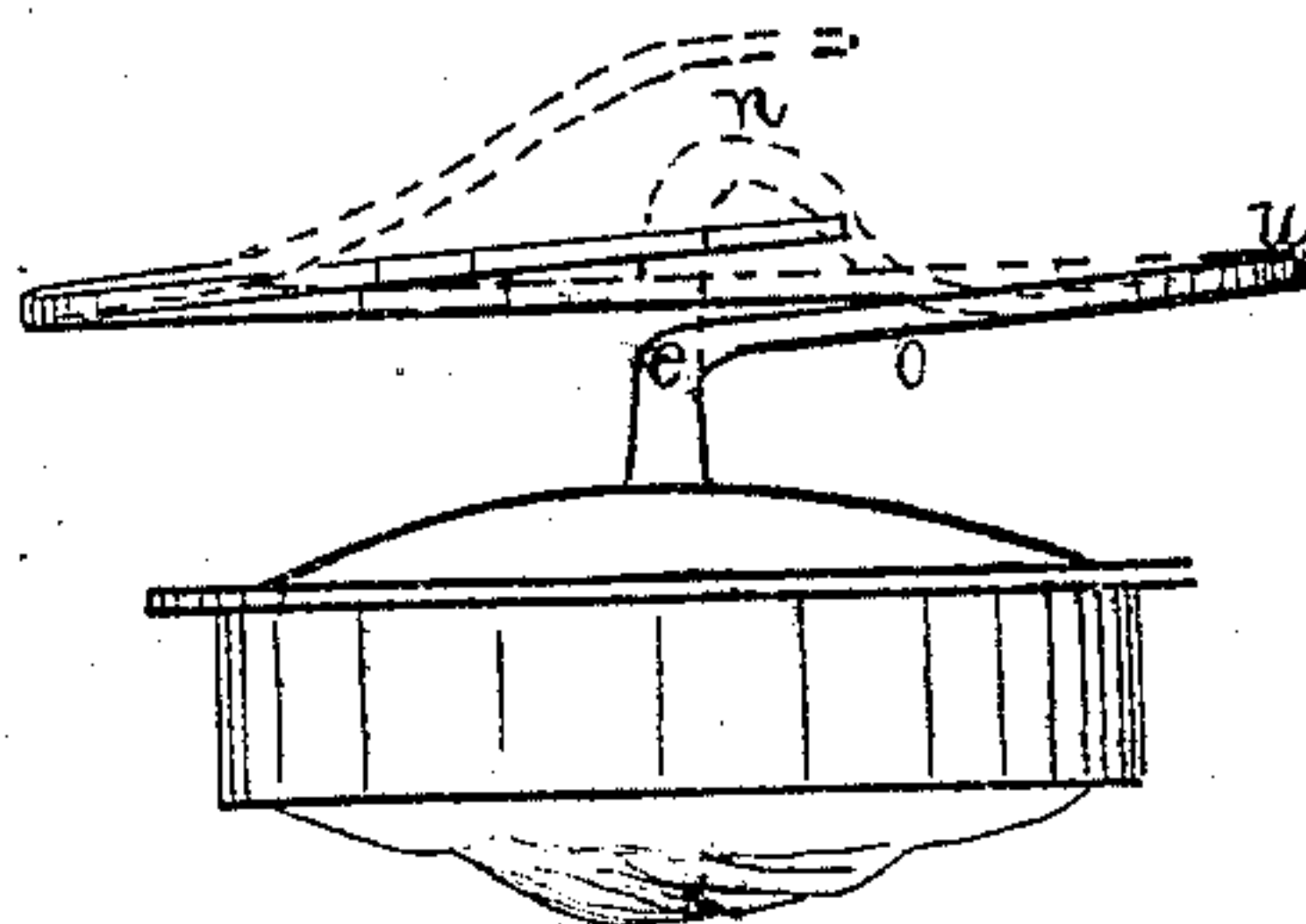


Fig 5



UNITED STATES PATENT OFFICE.

JOHN P. DERBY, OF CAVENDISH, VERMONT.

SHIRT-STUD.

Specification of Letters Patent No. 16,872, dated March 24, 1857.

To all whom it may concern:

Be it known that I, J. P. DERBY, of Cavendish, in the county of Windsor and State of Vermont, have invented certain Improvements in Bosom-Studs or Buttons for Securing and Fastening the Bosoms of Shirts, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a front view; Fig. 2 a back view; Fig. 3 an end view; Fig. 4 a similar view enlarged; Fig. 5 a diagram to be referred to hereafter.

Bosom studs have been secured to the shirt by means of a coil of round wire, which is entered into the eyelets or holes in the bosom, and turned until the whole coil is passed through upon the other side of the shirt; in such case the stud is liable to turn up side down, which is objectionable; where they bear medallions or inscriptions they are also liable to be disengaged from the bosom and lost.

My invention has for its object to prevent the studs from turning in the bosom and also to hold them more securely to the shirt and prevent their loss.

To enable others skilled in the art to understand my invention I will proceed to describe the manner in which I have carried it out.

a is the stud; *c* a flat coil which is slightly widened at the point *d*, where it is secured to the stud; this portion of the coil rests in the long slit or buttonhole made to receive it, and thus the stud is prevented from turning when in place. At *i* the coil rises as seen in Fig. 4 and immediately descends again, as at *f*, the portion *f* forming a shoulder or offset which rests against the back of the bosom and prevents the coil

from being disengaged from its hole. To explain this portion of my invention more fully I will refer to Fig. 5 which illustrates the method heretofore adopted for this purpose; in this diagram *u* represents the coil which secures the stud to the shirt, over the angle *e* of which the edges of the linen are liable to slip, and then by the motion of the body the stud is turned until it escapes entirely from the hole or slot which holds it and it is lost; the red lines in the figure show my improvement and it will be perceived that so long as the offset or portion *o* rests upon the bosom, the latter cannot escape over the projecting part *n* and the stud will be preserved in place.

It is evident if the coil be made of sufficient width to keep the stud from turning, that it need not be still further widened at the base, and also that where a round coil is used the base may be widened and thus the turning of the stud be prevented. It is also evident that the offset *f* may with equal advantage be employed to prevent the loss of the stud, where round wire is used to secure it in place.

I do not claim securing studs to the bosoms of shirts by means of a coil of wire, as this is not new and forms no part of my present invention; but

What I do claim as my invention and desire to secure by Letters Patent is—

1. Widening the wire at its base for the purpose of preventing the stud from turning in the shirt as set forth.

2. I claim the offset *f* in the coil for the purpose of preventing the disengagement and loss of the stud as set forth.

JOHN P. DERBY.

Witnesses:

SAM. COOPER,
THOS. R. ROACH.