W. P. SLENSBY.

Thimbles.

No. 138,445. Patented April 29, 1873.

Fig. 1.

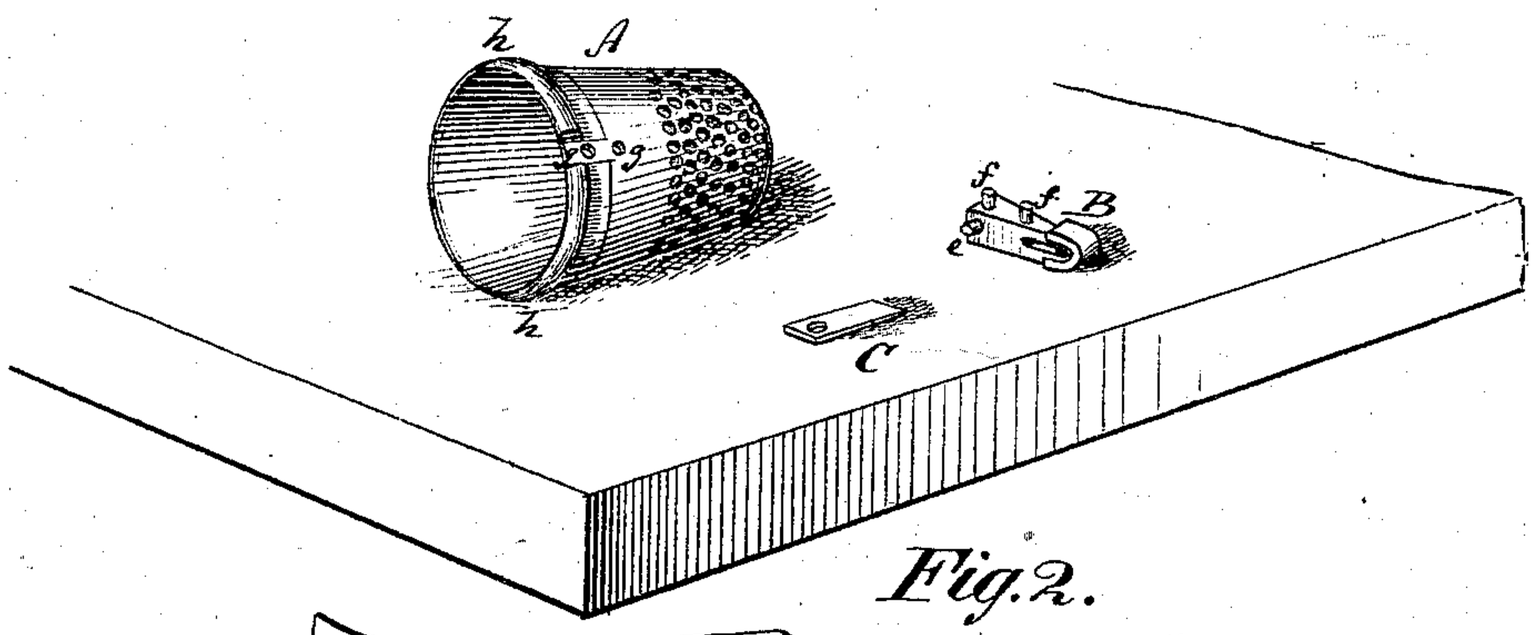
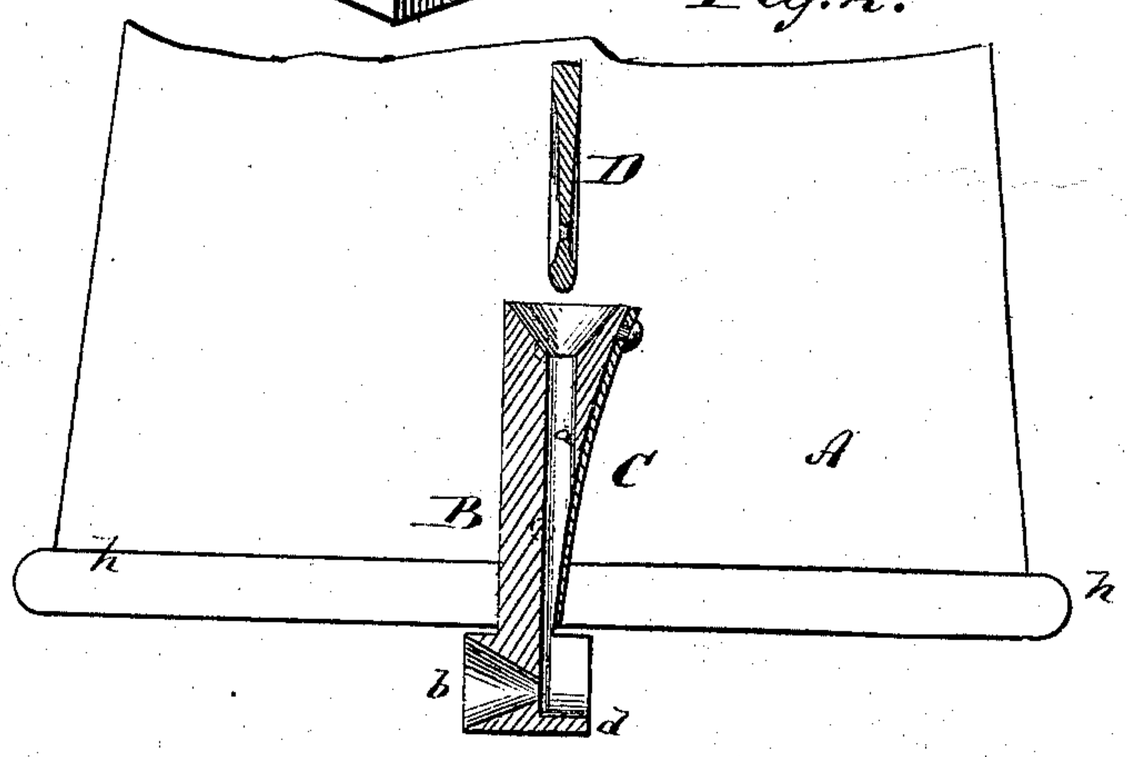


Fig. 2.



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WILLIAM P. SLENSBY, OF NEW YORK, N. Y.

IMPROVEMENT IN THIMBLES.

Specification forming part of Letters Patent No. **138,445**, dated April 29, 1873; application filed February 17, 1873.

To all whom it may concern:

Be it known that I, WILLIAM P. SLENSBY, of the city, county, and State of New York, have invented an Improved Needle-Threading Thimble, of which the following is a specification:

This invention relates to a new combination of thimble and needle-threader, when the latter is cast in one piece and provided with projecting rivets or pins, whereby it is attached to the thimble, and whereby the spring which is to retain the needle in the threader is also attached to the latter. The invention consists, first, in the combination of the cast needle-threader with three projecting pins, of which two at one side serve to fasten the threader to the thimble, and one at the other side to hold the tension-spring in place. The invention also consists in perforating the thimble for the reception of the rivets on the threader.

By this manner of construction the connection of the two parts named is greatly simplified, and a firmer hold obtained than by the ordinary process of soldering.

In the accompanying drawing, Figure 1 represents a perspective view, showing the three parts—to wit: the thimble, the threader, and the spring—detached. Fig. 2 is a longitudinal section of the threader, showing it applied to a thimble.

Similar letters of reference indicate corresponding parts in both figures.

The letter A represents a thimble of suitable kind and material; B, the needle-threader, and C the tension-spring of the same. The threader B is cast in one piece, with a longitudinal aperture, *a*, leading toward a transverse funnel-shaped opening, *b*.

The needle D to be threaded is pushed into the aperture *a* against a shoulder, *d*, and will then have its eye in line with the funnel-shaped opening *b* so that it can be conveniently threaded. The spring C meanwhile holds the needle in position in the threader, the said spring with its yielding end constituting part of one side of the needle-receptacle *a*, which is clearly shown in Fig. 2.

The spring C is attached to the threader B by means of a rivet, *e*, formed on the latter. *f f* are two more rivets or projecting pins formed on the casting B for the purpose of fastening the same to the thimble A. The thimble is perforated, as at *g g*, for the reception of these pins *f f*, and has its rim or lower flange *h* cut out in line with these apertures for accommodating the body of the threader B.

By reference to Fig. 1 it will be observed that the pin *e* is on that face of the threader B which stands at right angles to that face of the same from which the pins *f* project.

For connecting the parts the spring C is first riveted to the threader B by means of the pin *e*, and the combined threader and spring are then riveted to the thimble, in the position indicated in Fig. 2, by fitting the pins *f* through the apertures *g*, and then upsetting or heading them within the thimble to secure the threader in place.

Claims.

1. The threader B, cast with projecting rivets *e* and *f f*, substantially as herein shown and described.

2. The thimble A, perforated as shown at *g g*, substantially as and for the purpose specified.

3. The combination of the perforated thimble A with the cast threader B having the pins *e f f*, and with the spring C, all arranged for connection with each other in manner set forth.

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