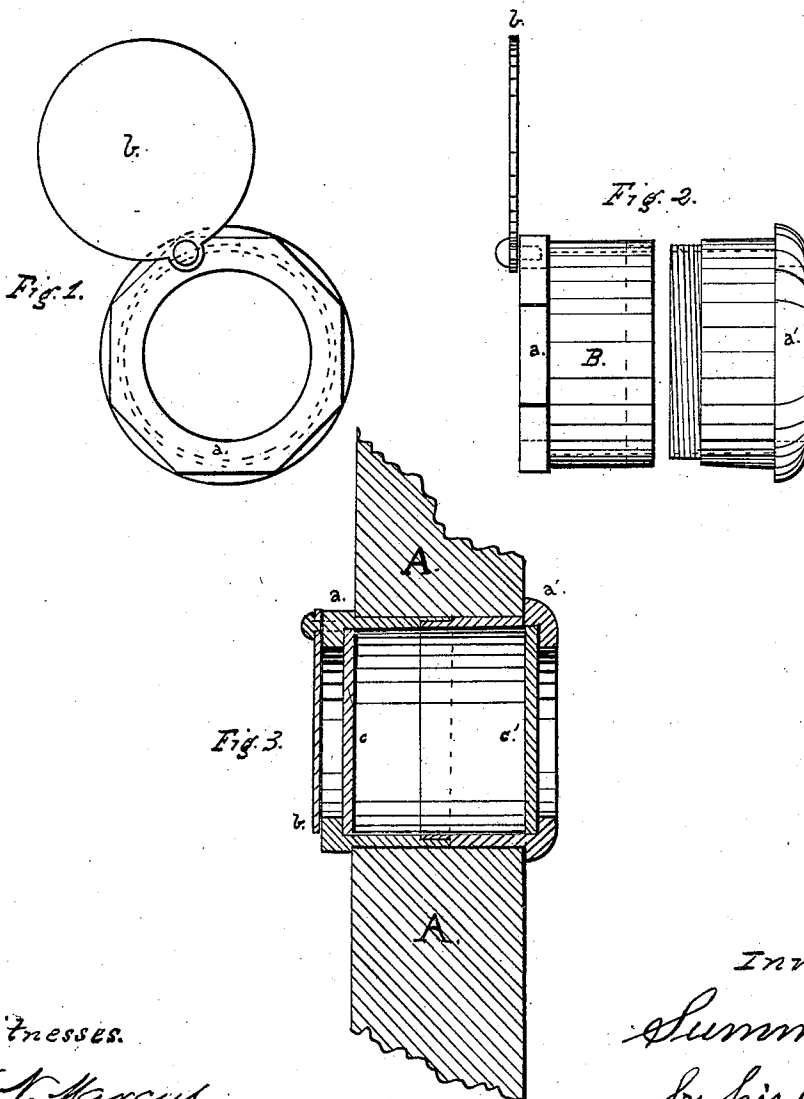


S. A. SMITH.

OBSERVATION TUBE FOR DOORS.

No. 177,432.

Patented May 16, 1876.



Witnesses.

W. T. Marcus.

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UNITED STATES PATENT OFFICE.

SUMMERS A. SMITH, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN OBSERVATION-TUBES FOR DOORS.

Specification forming part of Letters Patent No. **177,432**, dated May 16, 1876; application filed April 26, 1876.

To all whom it may concern:

Be it known that I, SUMMERS A. SMITH, of the city of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Door-Peeps, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to prevent intrusion into private residences by vagrants and other objectionable persons; and consists in a peep-tube inserted and fastened in the door. The tube has a glass at each end to exclude cold and dust. The outer glass should be colored or stained to prevent the observer from being seen from the outside, and the inner glass has a cover or shield, as will be hereafter described.

Referring to the drawings, Figure 1 is an end view. Fig. 2 is a side view. Fig. 3 is a section of the peep-tube and part of the door.

Similar letters in the drawings refer to like parts.

A is a section of a door, to which the tube is fastened; B, the tube, which is made of metal, and in two parts, and joined together in the center by a screw. (See Fig. 2.) The tube has flanges *a a'* at each end. The outer flange *a'* is round and oval; the inner one is made with eight sides. To the inner flange *a* is connected loose on a pin a cover or shield, *b. c c'*, Fig. 3, are glasses, held in the tube by putty or other fastening. The outer glass *c'* is colored or stained. The outer part of the tube is made a little tapering, that it may be

forced in the hole tight, and hold that part from turning when the inner part is being screwed to it from the inside.

To use my invention, a hole of the proper size and location is cut in the door. The outer part of the tube is forced into the hole from the outside, and the other part of the tube from the inside. They are then screwed together by a wrench fitted to the squares formed on the inside flange, and a tight joint is made, excluding cold and dust.

When a call is made at the door the servant or other observer pushes the shield *b* to one side, and a view of the applicant is had, and, if objectionable, the door is not unfastened or the objectionable person admitted. When the observer is close to the glass on the inside it darkens it, so that, with the aid of the colored glass, the observer is not seen from the outside, and at other times the shield *b* prevents a view through it from the outside.

The size and form of the tube may be varied to suit.

The invention may be used to advantage in doors or partitions of private offices, factories, stores, warehouses, and banks.

I claim—

A peep-tube with glasses inserted therein, when used in combination with a fastened door, through which observation may be taken previous to unfastening the door, as described, and for the purpose specified.

S. A. SMITH.

Witnesses:

JOHN SHINN,
GEO. H. JACOBS,