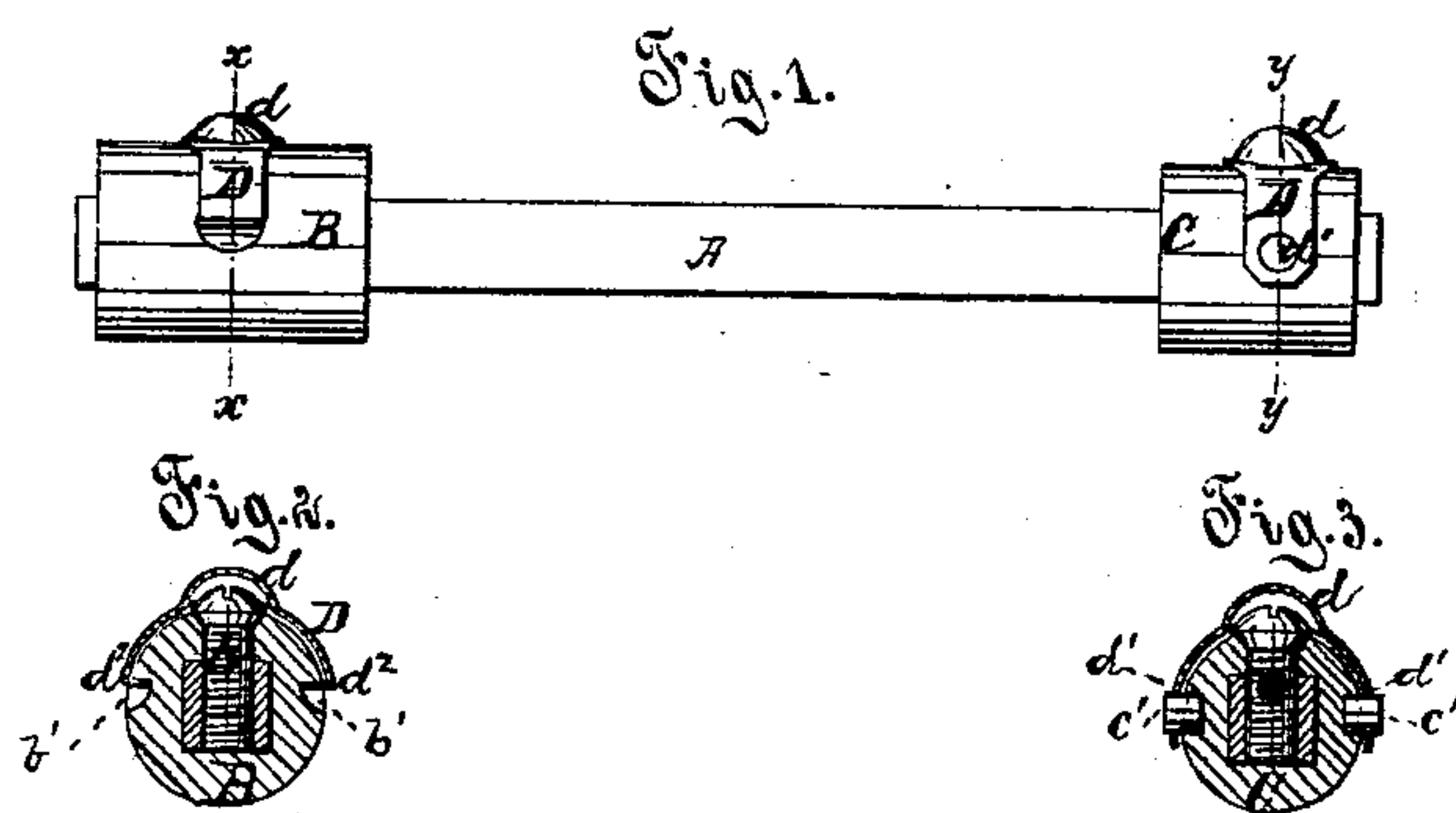


C. M. BAKER.
Guards for Door-Knob Screws.

No. 196,858.

Patented Nov. 6, 1877.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES M. BAKER, OF WARWICK, NEW YORK.

IMPROVEMENT IN GUARDS FOR DOOR-KNOB SCREWS.

Specification forming part of Letters Patent No. **196,858**, dated November 6, 1877; application filed July 10, 1877.

To all whom it may concern:

Be it known that I, CHARLES M. BAKER, of Warwick, Orange county, State of New York, have invented an Improved Door-Knob-Screw Guard, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a guard or clip for preventing the escape of the screw or rivet which holds the knob on the squared shaft of a door lock or latch; and it consists in a semi-cylindrical strip of metal having a tension or spring, and having on its under or concave face a depression or recess for the head of the knob-screw, and adapted to be clasped upon the sleeve or shank of the knob over the screw, and there held in place, by means of suitable locking devices, on the said sleeve or shank, as hereinafter particularly shown and described, and recited in the claim.

Figure 1 is a side elevation of a squared shaft with the knob-sleeves secured thereon, and showing my screw-guard clasped and locked in position on the sleeve, over the screw. Fig. 2 is a vertical sectional view on the line *x x*, Fig. 1. Fig. 3 is a similar view on the line *y y*, Fig. 1.

A is the squared shaft of the door-knobs. At B and C, on opposite ends of the shaft, are shown the shanks or sleeves of the knobs, held on the shaft and secured thereto by the usual screws *b* and *c*, respectively.

At D is shown my improved guard for preventing the escape from its seat of the knob-screw *b* or *c*, and the consequent loosening of the knob from the shaft. This guard I form of metal having a tension or spring, preferably of spring-steel, and I make it semi-cylindrical in shape, as shown, and in the form of

a strip or ribbon. On the under or concave face of this semi-cylindrical metal strip I form a depression or recess, *d*, adapted to receive the head of the screw *b* or *c*, as shown. This ribbon I clasp upon the circumference of the sleeve B or C, on the line of the screw *b* or *c*, the head of the screw fitting into the depression or recess *d*, as set forth, the tension of metal ribbon acting to close the ribbon down snugly upon the sleeve.

To lock the ribbon or guard in position, so that it will be immovable on the sleeve without unlocking, I employ either of the devices shown in the drawings.

Pins or studs *e'* may be set in the sleeve, as shown in Fig. 3, and perforations *d'* in the ends of the ribbon adapted to fit over the pins when the guard is sprung into place; or the ends of the ribbon may be turned or projected inward, as at *d''*, and recesses *b'*, to receive the ends, formed in the sleeve, as shown in Fig. 2. These, or any other suitable locking device, may be employed, although either of those shown is preferable to riveting the guard at its ends, inasmuch as the devices shown render the guard easily adjustable upon the sleeve.

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

The semi-cylindrical tension metal ribbon or guard D, having the recess *d* in its concave face, and provided with suitable locking device at its ends, whereby, when the guard is clasped about the sleeve of a door-knob, the knob-screw is prevented from escaping from its seat, as described.

CHARLES M. BAKER.

Witnesses:

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