

(No Model.)

N. W. COWDREY.
ATTACHMENT FOR DOORS.

No. 528,323.

Patented Oct. 30 1894.

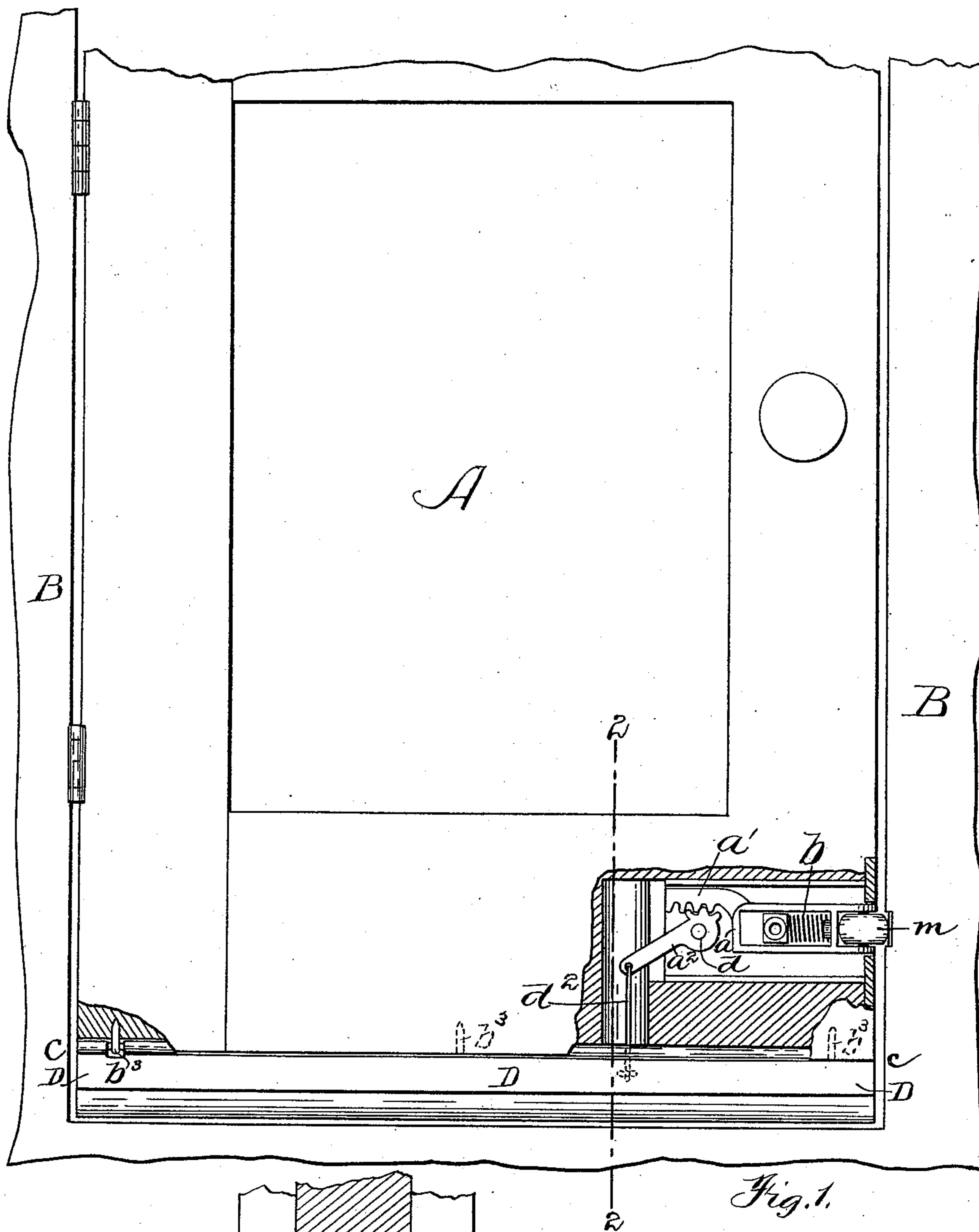
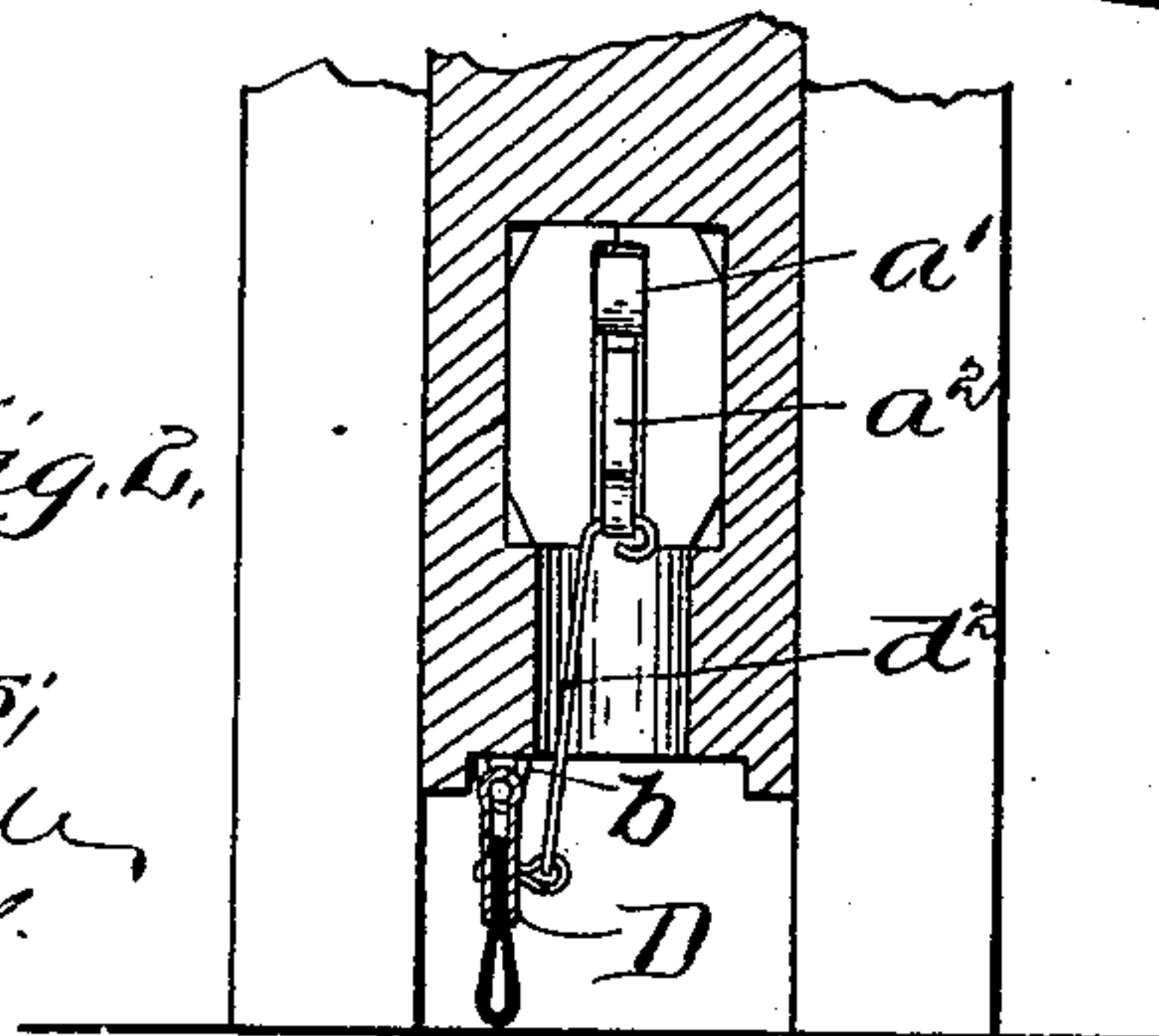


Fig. 1.

Fig. 2.

Witnesses;
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his atty

UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR DOORS.

SPECIFICATION forming part of Letters Patent No. 528,323, dated October 30, 1894.

Application filed March 16, 1894. Serial No. 503,833. (No model.)

To all whom it may concern:

Be it known that I, NATHANIEL W. COWDREY, of Pepperell, in the county of Middlesex and State of Massachusetts, have invented a new and useful Attachment for Doors, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is an elevation, partly in section, showing the door closed. Fig. 2 is a section on line 2—2 of Fig. 1.

The two vertical rails of the door are called "stiles," the top and bottom of the door "top-rail" and "bottom rail." The space necessary between the bottom rail and the floor, to allow the door to swing on its hinges, has heretofore been filled up by a threshold when the door is closed, and the main purpose of my invention is to do away with the necessity of a threshold, being what may well be called an adjustable strip, which is carried on the door and which is lifted free of the floor when the door is opened and lowered to fill the space between the floor and the bottom rail of the door when the door is closed.

In the drawings A is the door, B the jamb, C, the bottom rail, and D the adjustable strip. The roller *m* which projects beyond the front

stile of the door, and is journaled in the slide *a*, is pushed out by the action of the spring *b*, on the slide *a*. The slide *a* has a toothed arm *a'* which meshes with the toothed lever *a²*, which is attached by the wire *d²* to the adjustable strip D. The movement of slide *a* causes the lever *a²* to turn on its fulcrum thus raising the strip D. When the door is closed the action is the reverse; the force of the spring *b* being overcome by the pressure of the roller *m* against a plate on the jamb B thus causing the slide *a* to move in the opposite direction to that above described and lowering the strip D. The strip D is held to the bottom rail C by means of the staples *b³*, *b³*, which also serve as hinges upon which the strip D swings.

What I claim as my invention is—

In combination strip D, hinges *b³ b³*; connections *d²*; toothed lever *a²*; toothed slide *a*; spring *b* and roller *m* all arranged to operate with a door and its jamb substantially as described.

NATHANIEL W. COWDREY.

Witnesses:

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