

A. W. Morse.
Hanging Doors.

No 17,513.

Patented June 9, 1857.

Fig 1.

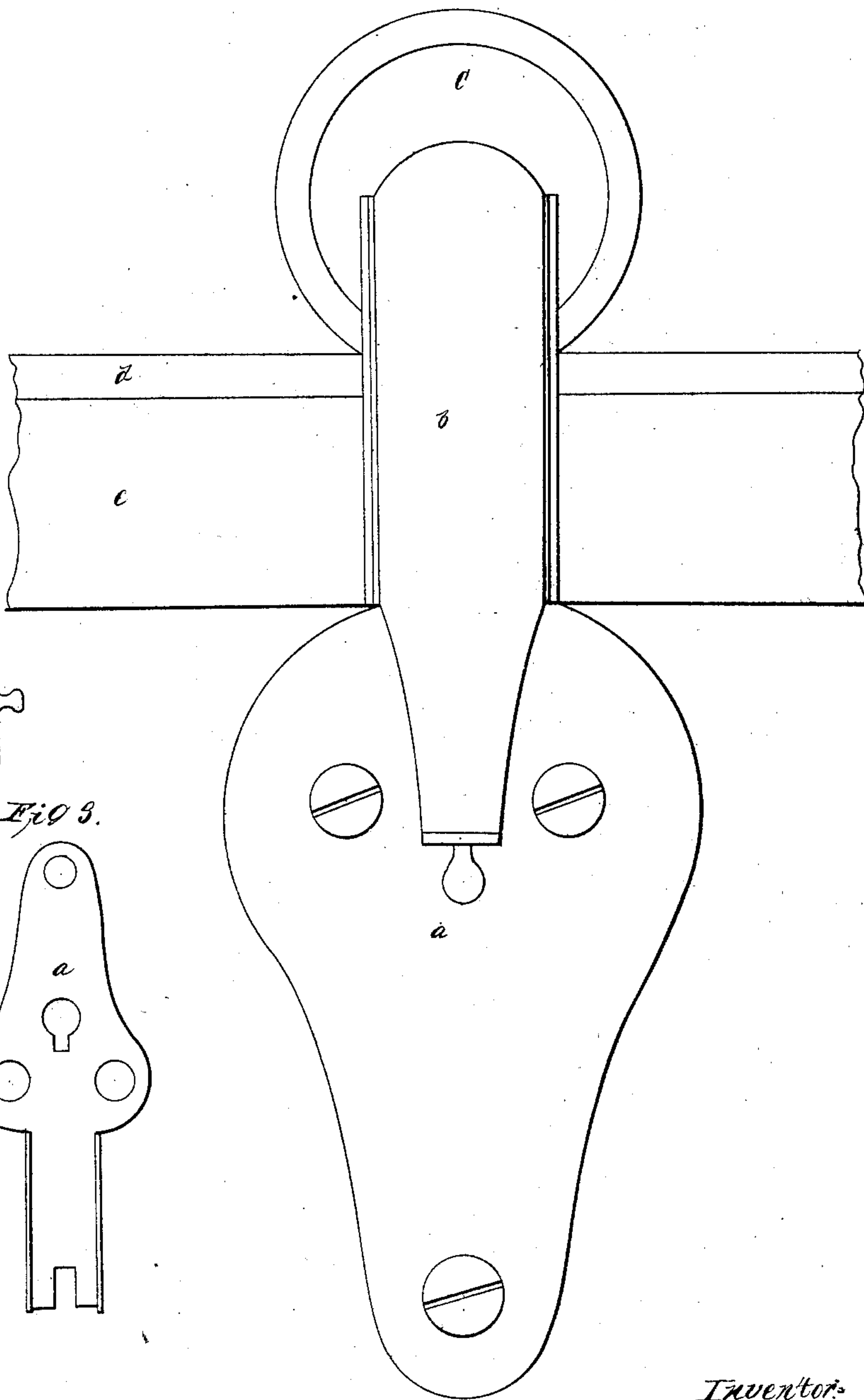


Fig 2.

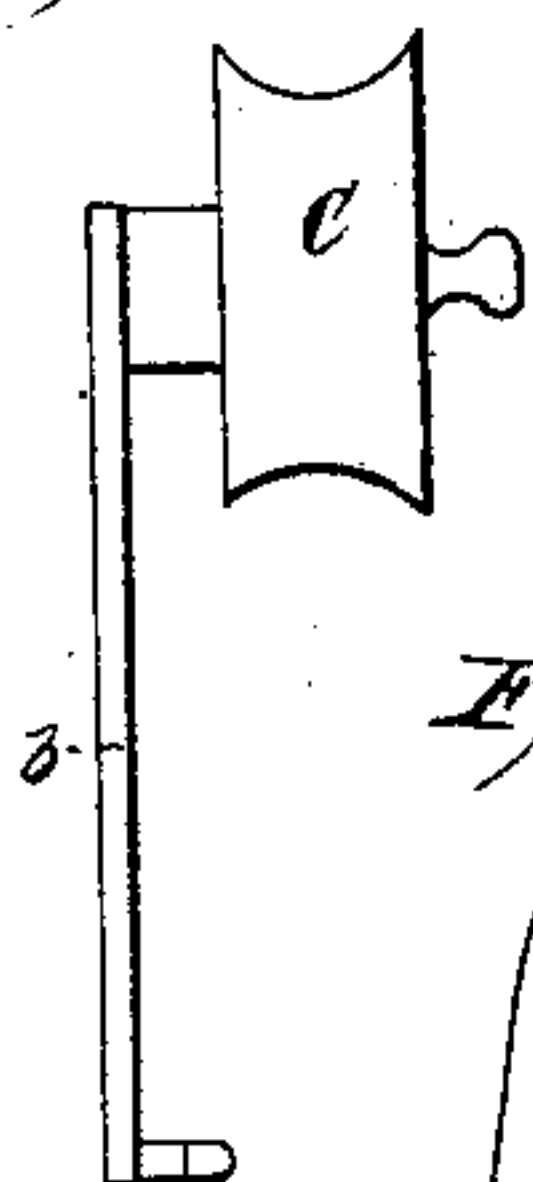


Fig 3.

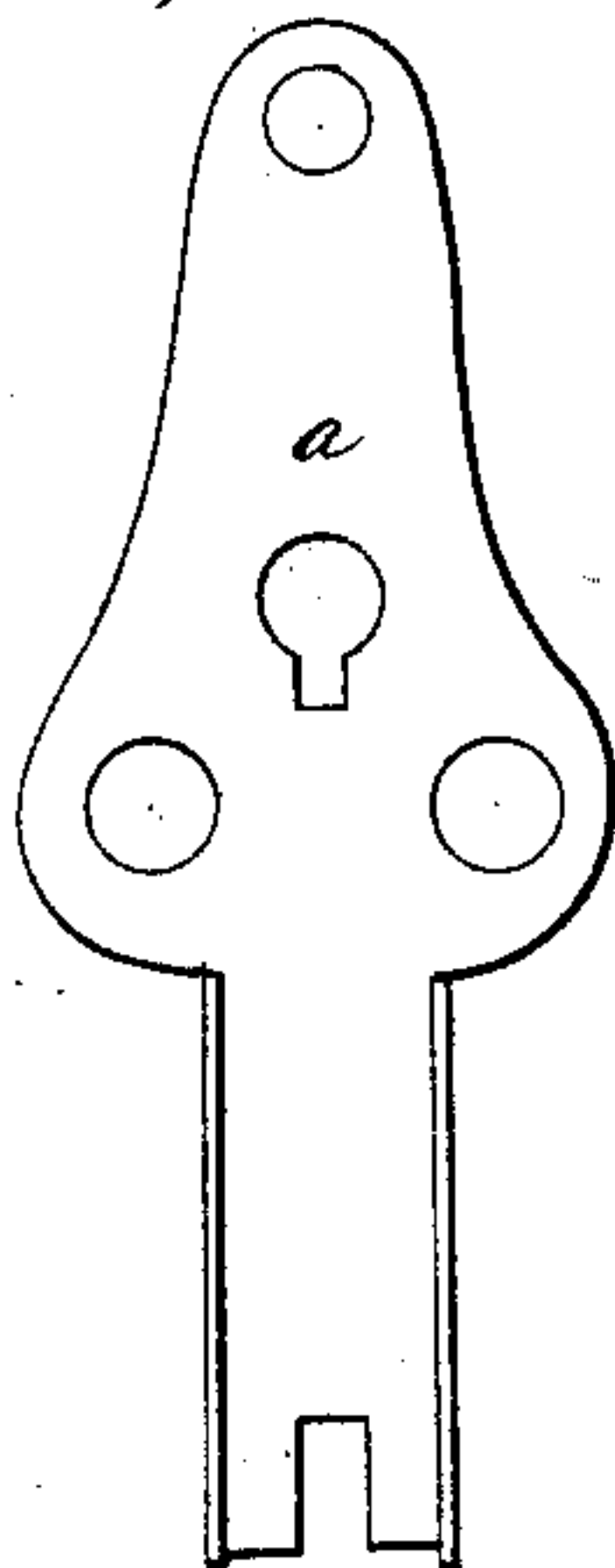
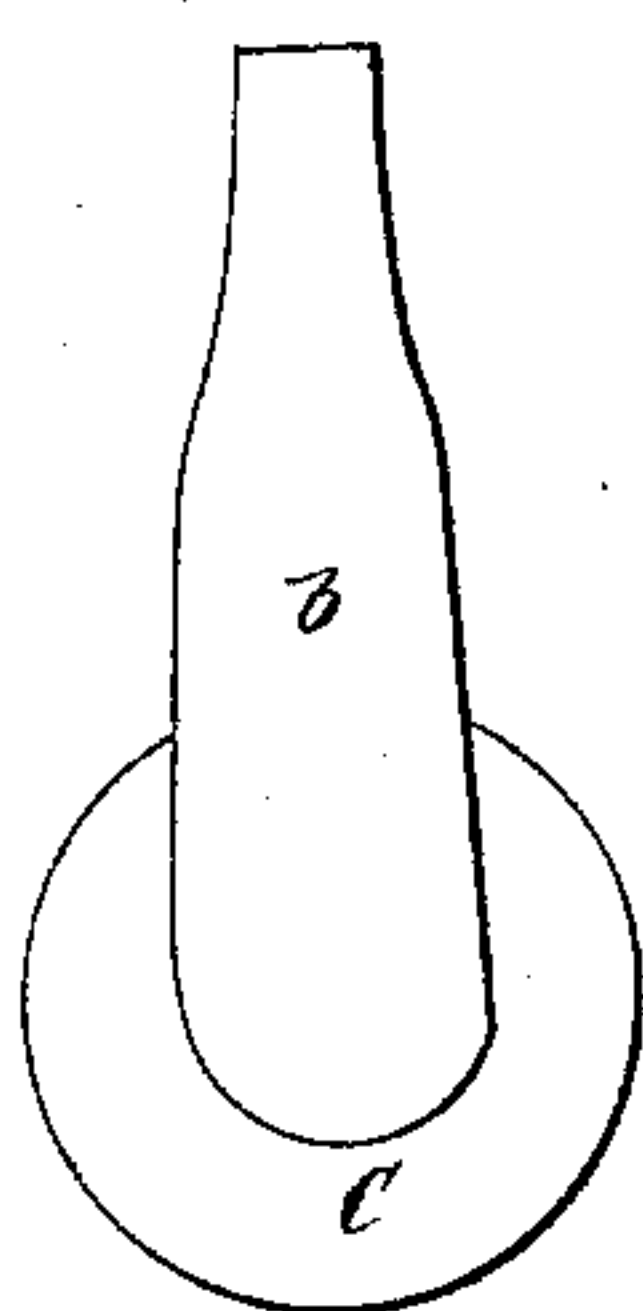


Fig 4.



Witnesses.
A. J. Purdy
Levi Miles

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UNITED STATES PATENT OFFICE.

ALBERT W. MORSE, OF EATON, NEW YORK.

MODE OF HANGING DOORS.

Specification of Letters Patent No. 17,513, dated June 9, 1857.

To all whom it may concern:

Be it known that I, ALBERT W. MORSE, of the town of Eaton, in the county of Madison, in the State of New York, have invented a new and Improved Mode of Hanging Doors; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings.

Figure 1 is a front view; Fig. 2, side view of vertical bar *b* and roller *c*; Fig. 3, front view of plate *a*; Fig. 4, front view of vertical bar *b* and roller *c*.

The nature of my invention consists in attaching to the upper part of a door, hangers two or more. The plate *a*, in combination with vertical bar *b*, and roller *c*. The vertical bar *b*, is pivoted at its upper end, said pivot forming the axle on which grooved roller *c*, revolves; vertical bar *b*, makes an elbow at its lower end, said elbow passing through plate *a*, said plate being permanently attached to the door; thereby causing the weight of the door to rest upon said elbow, and at the same time allowing the vertical bar *b*, together with grooved roller *c*, to adjust themselves so that the said roller can revolve on the rail *d*, and with its plane parallel with said rail. Bed piece *e*, which supports rail *d*, is permanently attached to the side of the building, and extends beyond the doorway sufficiently to allow the door to pass beyond the opening, and along the side of the building. By allowing the bar *b*, to rotate the grooved roller *c*, is allowed to revolve on the rail *d*, without diverging from said rail, which it would otherwise do if the bar was permanently connected to the door. It being well known, doors when

exposed to the atmosphere particularly large doors, such as are used on barns and out buildings are liable to warp and thereby cause the fixed roller as heretofore used to run off of the rail or diverge from it, causing friction and requiring a great amount of power to open and close the door; whereas my door hanger when constructed as described is allowed to follow the rail and can be opened and closed with ease to the operator, being a better and more substantial door hanger than any other known to the subscriber.

I am aware that doors have been suspended upon rollers by means of a standard permanently attached to the door; therefore I make no claim to this as belonging to my invention; nor do I claim standard roller or any of the parts of themselves.

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

Giving the roller *c*, an independent motion of the door; thereby allowing the roller to adjust itself to the rail, and revolve on it, with its plane parallel with said rail, in the manner and for the purposes herein set forth.

Not intending in these claims to limit myself to the precise arrangement of parts herein described but to vary the same, at pleasure while the same ends are attained by means substantially the same.

The above specification of my improvement in door hangers signed and witnessed this the ninth day of February 1857.

ALBERT W. MORSE.

Witnesses:

LEVI MILES,
OTIS HUNT.