

W. R. AXE.
BARN DOOR HANGER.

No. 100,351.

Patented Mar. 1, 1870.

Fig. 1.

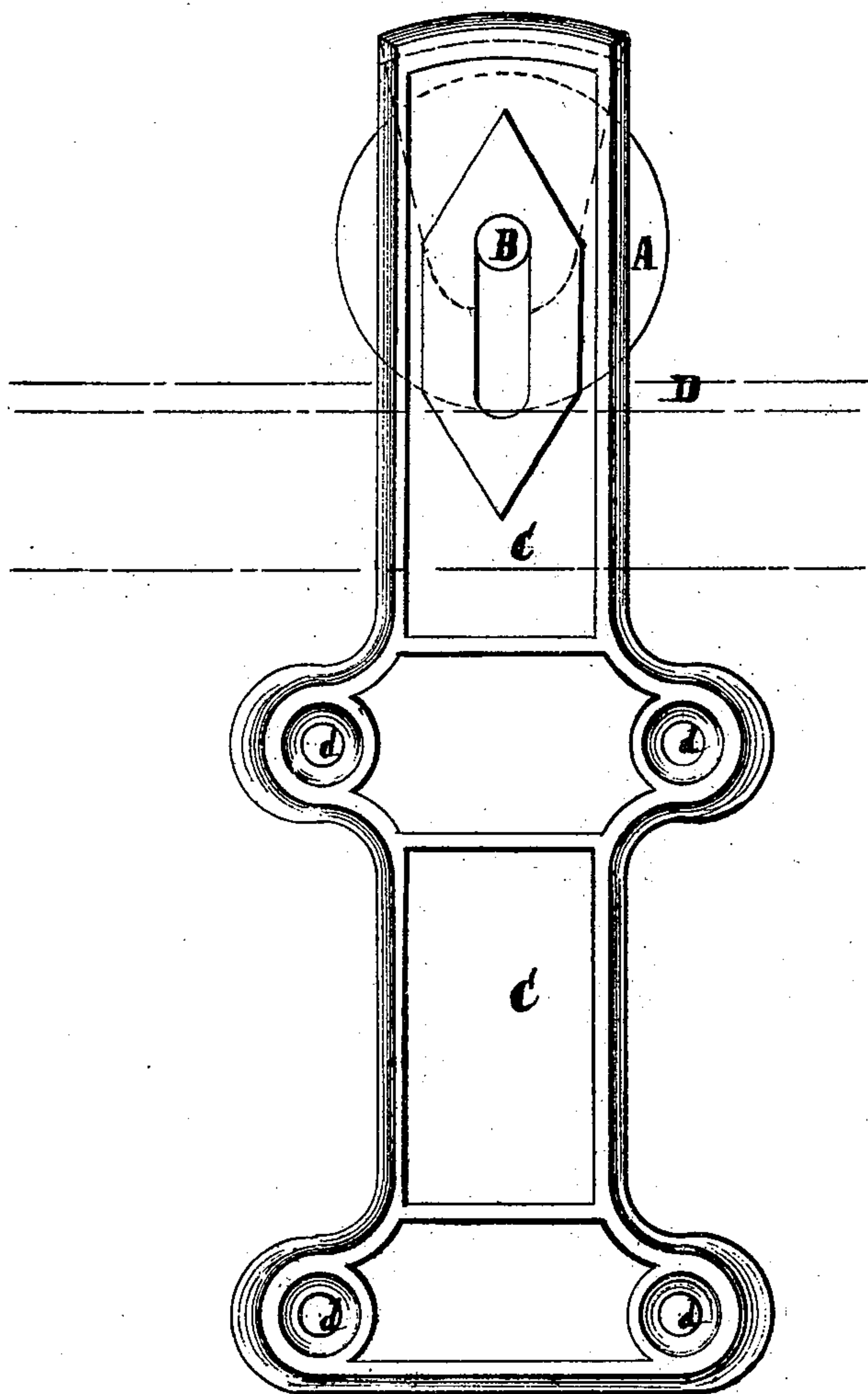
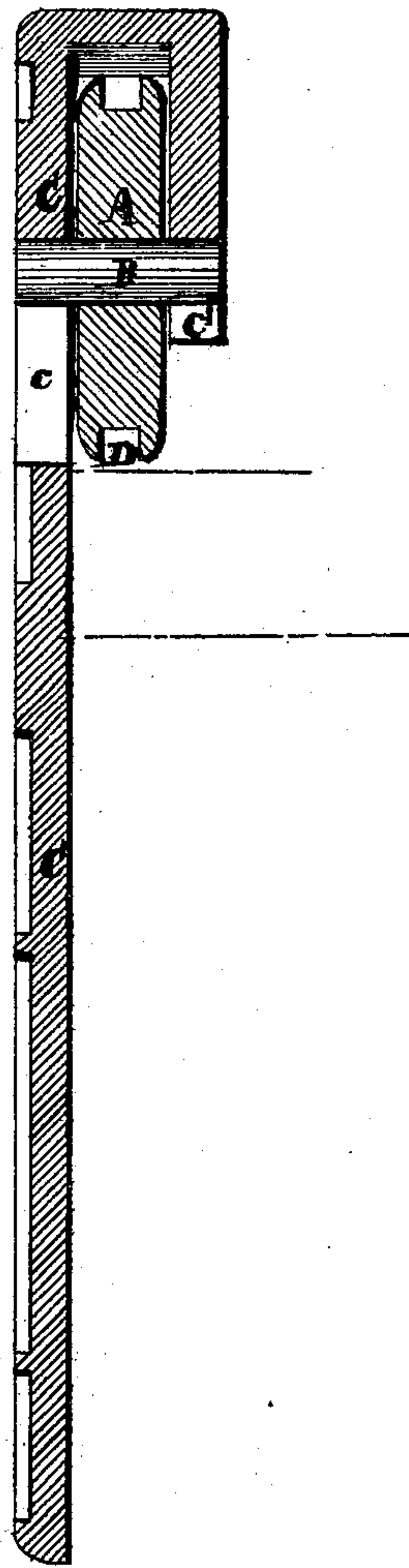


Fig. 2.



Witnesses:
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Inventor:
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by his Attys
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United States Patent Office.

WILLIAM R. AXE, OF ROCKTON, ILLINOIS.

Letters Patent No. 100,351, dated March 1, 1870.

IMPROVEMENT IN BARN-DOOR HANGERS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, WILLIAM R. AXE, of Rockton, in the county of Winnebago, and in the State of Illinois, have invented certain new and useful Improvements in Barn-Door Rollers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in making slots in the standard so as to admit the insertion of the roller with two bearings, as hereinafter more fully set forth.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

In the drawings—

Figure 1 is a front view, and

Figure 2 is a cross section of a side elevation.

A is a grooved roller of ordinary form made of iron cast around its journal B, which is preferably made of wrought iron.

C is the standard or plate, which is cast with slots *c* and *c'*, each of a width equal to the diameter of the journal B. Slot *c* is sufficiently long to allow the journal ready admission to its position, as shown more clearly in fig. 2. The slot *c'* is open at its lower end, so that the journal B can be easily placed in position, (see fig. 2,) and yet be long enough to prevent the roller from slipping out of place too easily.

The standard C has screw-holes *d d d d*, by means

of which, when proper screws are screwed on, the standard is firmly secured to the door.

The barn-door roller, when constructed as above described, having been secured to the door, is then hung so that the groove of roller A shall rest on the head or rod D, which is secured by some suitable means above the door, and, by pushing the door in the usual manner, the roller A will turn upon its two bearings, and so run smoothly along as desired.

The advantage of my invention is in having two bearings for the roller, and in the simple manner of constructing the standard so that the roller and standard, when combined, will form a simple, durable, efficient, and cheap barn-door roller or hanger.

Having thus fully described my invention,

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

A barn-door hanger, with slots *c* and *c'*, in combination with the roller A, having two bearings, constructed substantially as described, and operating as and for the purposes set forth.

In testimony that I claim the above-described certain new and useful "improvements in barn-door rollers," I have hereunto signed my name this 9th day of August, 1869.

WILLIAM R. AXE.

Witnesses:

C. BENTLY,

J. M. FORBES.