

(No Model.)

Le G. TERRY.
Door Hanger.

No. 232,659.

Patented Sept. 28, 1880.

FIG. I.

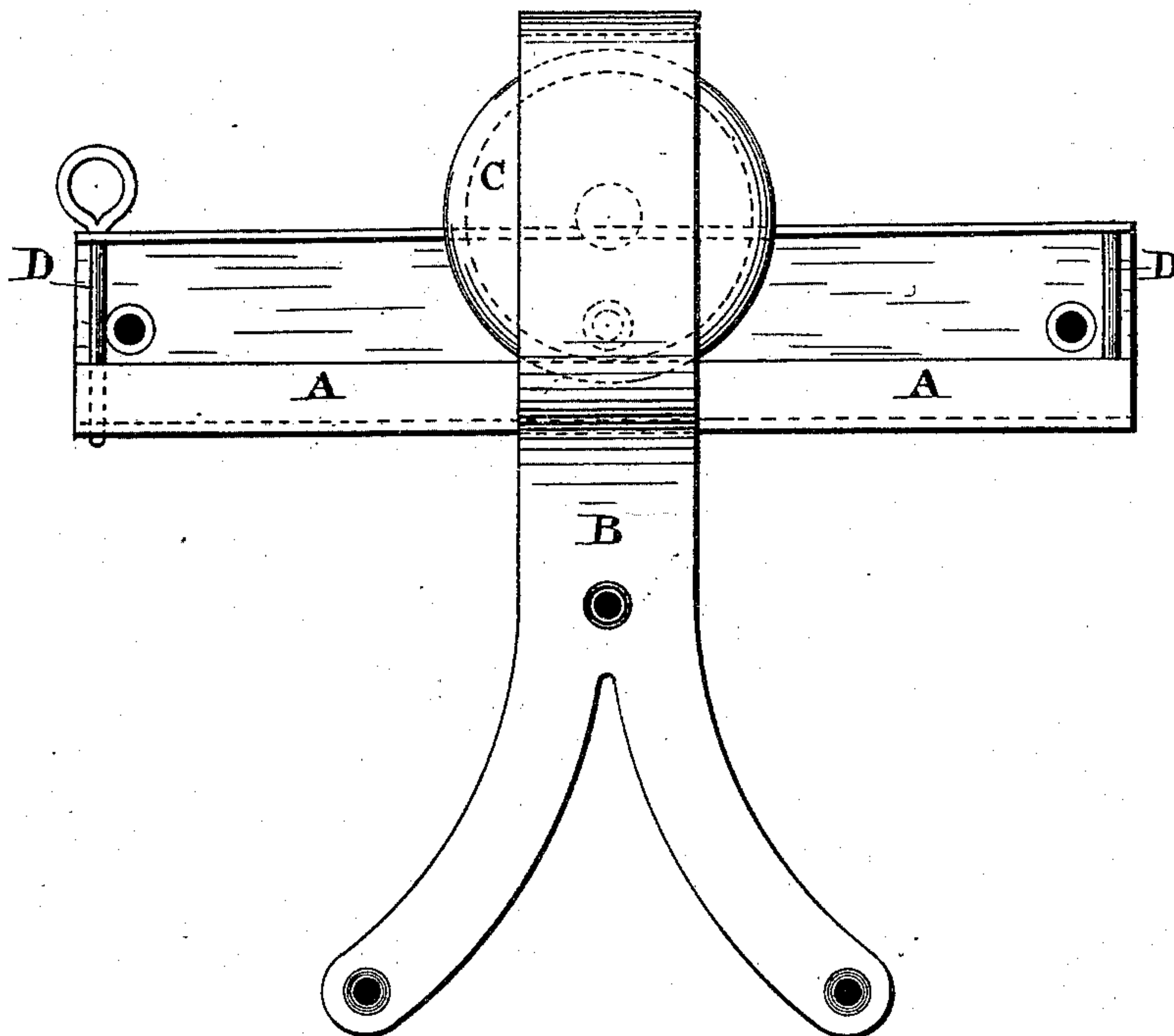
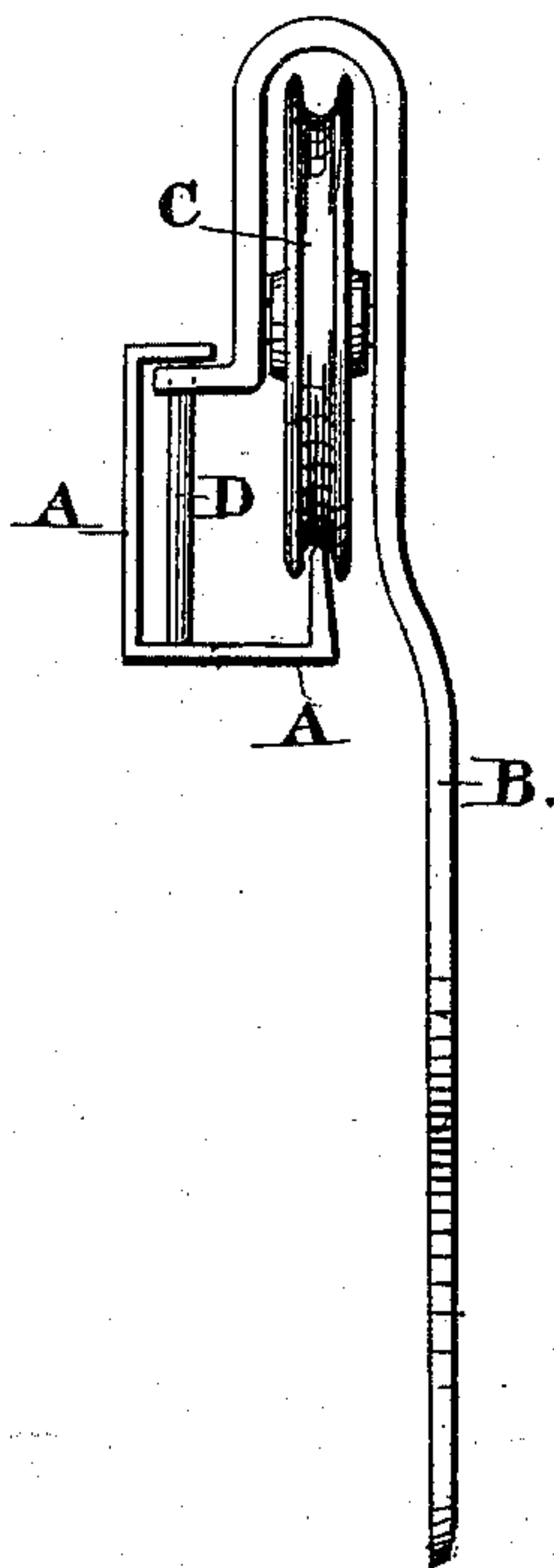


FIG. II.



WITNESSES:

Lewis Braham
Charles Ketchum

INVENTOR:

Le Grand Terry

UNITED STATES PATENT OFFICE.

LE GRAND TERRY, OF DUNDEE, NEW YORK.

DOOR-HANGER.

SPECIFICATION forming part of Letters Patent No. 232,659, dated September 28, 1880.

Application filed August 23, 1880. (No model.)

To all whom it may concern:

Be it known that I, LE GRAND TERRY, of Dundee, New York, have invented a new and useful Door-Hanger, of which the following is a specification.

My invention relates to improvements in door-hangers made of wrought-iron and provided with rollers, in conjunction with a peculiar track or support to be fastened to the building on which the door is hung; and the objects of my invention are, first, to provide a rail for attachment to a building that requires no extra timbers to attach it to; second, to make the hangers of wrought-iron to give them greater strength and durability; and, third, to so shape the hangers and place the rollers with respect to the rail that when the door is hung it cannot get off the track or be removed without withdrawing the bolt at the end of the rail. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation as it appears applied to the building and door for use; Fig. 2, a transverse vertical section of the rail with the hanger and roller in their place.

Similar letters refer to similar parts in each view.

A is the rail for the roller C to roll upon. It may be made of rolled or cast iron, and is composed of a broad part that is attached to the building. It must have holes through it for bolts or screws, by which it is fastened firmly to the building. At its upper edge is an angular projection its entire length. This projection should be about half as wide as the lower projection. Its use is to prevent the roller being raised off its track. At the lower edge of the rail is another angular projection, that projects about twice as far as the upper one, and made the whole length of the rail; and at the outer edge of this projection is another angular projection as long as the rail, and may be made of the required height to reach the edge of the roller used. Upon its upper edge the roller C travels. It must be made straight, and must correspond with the

groove in the roller C. The shape or form of the rail is represented in Fig. 2. The length of the rail must coincide with the width of the door it supports. At or near the ends of the rail are pin or bolt holes through the upper and lower projections for the bolts D. Their use is to stop the door and prevent it getting off the ends of the rails while opening and closing the door.

B is the hanger. It is made of wrought-iron, and its lower end is forked, as shown in Fig. 1, to give the bolts that hold it to the door such position that each will aid in holding the hanger to the door and prevent their being broken by stopping the door. That part of the hanger above the door is bent in the manner represented in Fig. 2, and has holes for the pivot of the roller to pass through. The end is bent outwardly, so that it will extend under the upper projection of the rail and prevent the hanger being raised so as to get the roller off its track.

C is a grooved roller. It may be made in any ordinary manner. It must be so situated in the hanger that it cannot be raised sufficiently to get it off its track, because the end of the hanger will come in contact with the under side of the upper projection of the rail.

All the parts being made and placed in proper position, the door cannot be taken off without removing one of the pins D, that are put through the projections of the rail.

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

The rail A, having its upper projection to prevent the roller C getting off the track, and its lower projection and track for the roller to roll upon, and the hanger B, having its lower end forked and its upper end formed as specified, and the roller C, in connection with them, all being combined in the manner and for the purpose set forth.

LE GRAND TERRY.

Witnesses:

LEWIS B. GRAHAM,
CHARLES KETCHUM.