

J. HERALD & E. S. RUMSEY.

Door-Hangers.

No. 158,796.

Patented Jan. 19, 1875.

Fig. 1.

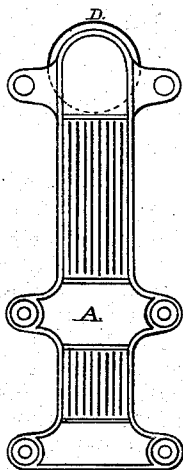


Fig. 2.

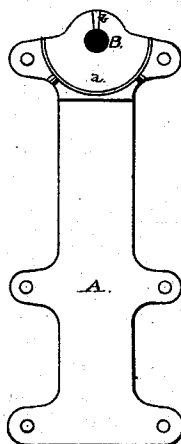


Fig. 3.



Fig. 4.

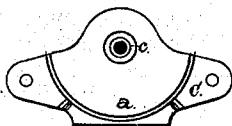
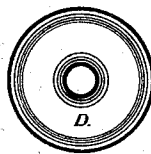


Fig. 5.



WITNESSES

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JOHN HERALD AND EDWARD S. RUMSEY, OF BINGHAMTON, NEW YORK.

IMPROVEMENT IN DOOR-HANGERS.

Specification forming part of Letters Patent No. **158,796**, dated January 19, 1875; application filed November 7, 1874.

To all whom it may concern:

Be it known that we, JOHN HERALD and EDWARD S. RUMSEY, of Binghamton, in the county of Broome and State of New York, have invented certain Improvements in Door-Hangers, of which the following is a specification:

Our invention relates to that class of door-hangers which traverse a horizontal track, and particularly to the combination and construction of the hanger-plate, roller, and cap-piece, the object being to obviate the complication of the ordinary article in the details of casting, to give the required strength to the parts, and to simplify the general arrangement.

The invention consists in making the hanger-plate and roller-pin of one piece, the pin extending through, and having its end bearing in, a hollowed recess in the cap-piece.

Figure 1 in the accompanying drawings is a front elevation of a hanger embodying our invention. Fig. 2 is the hanger-plate with the cap-piece removed, showing the roller-pin cast in the same piece. Fig. 3 is a side elevation, showing the connection of the parts and the slot to guide the roller on the track. Fig. 4 is an inside view of the cap-piece, showing the recess-bearing for the end of the roller-pin. Fig. 5 is the roller.

A is the hanger-plate, which has a roller-recess, *a*, in the center of which projects the roller-pin B, which is cast in the same piece, whereby the strength of the plate is increased,

and the ordinary fitting obviated. There is a groove, *b*, over the roller-pin B in the plate, for the reception of oil for lubricating the roller-bearing. The inside of the cap-piece C also has a recess, *a*, for the roller, and a cast recess-bearing, *c*, for the end of the pin B, which also increases the strength of the part, and obviates the usual fitting. The roller D is cast with a plane face, and a hole in the hub. The roller-face of the ordinary hanger has a cast groove to guide it on the track, which complicates the process of casting by the use of the required "chills" and "cores," which usually leave the work imperfect, and liable to derangement when in operation. The roller D is guided on the track by the slot *d*, which fits over the track, and is formed by the connection of the hanger-plate A and cap-piece C, as shown by Fig. 3. The work is finished after casting by simply placing the cap-piece in position, and securing it by rivets or bolts.

We claim as our invention—

The hanger-plate A and roller-pin B, of one piece, in combination with the cap-piece C, having a hollowed recess for the end bearing of the pin, and the roller D, constructed substantially as herein described, for the purpose set forth.

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Witnesses:

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