

J. CAIN.
Broom-Hanger.

No. 162,622.

Patented April 27, 1875.

FIG I

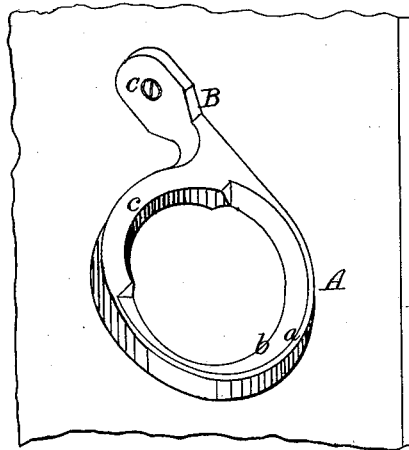
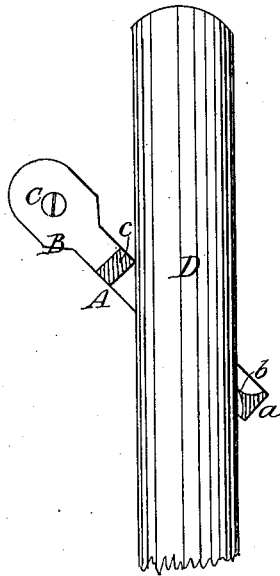


FIG II



WITNESSES

John C. Laing
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INVENTOR

Jacob Cain
by Johnson and Johnson
his attys

UNITED STATES PATENT OFFICE.

JACOB CAIN, OF ALTOONA, PENNSYLVANIA.

IMPROVEMENT IN BROOM-HANGERS.

Specification forming part of Letters Patent No. **162,622**, dated April 27, 1875; application filed October 16, 1874.

To all whom it may concern:

Be it known that I, JACOB CAIN, of Altoona, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in Broom-Hangers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to devices for suspending house-brooms in convenient places. In such devices rings have been hinged so as to fold upon the joint, and such joint is made adjustable to vary the upward angle of the ring to adapt it to handles of different sizes. Moreover, the hinged joint sustains the weight of the broom, and its adjustment being made by clamp-screws it is not only very troublesome to make, but constantly liable to slip.

Another form of holder has been made, in which the broom-handle is suspended between open curved arms carried by a plate pivoted at one end to allow the arms to hang at an angle to gripe the handle between them. In this device the handle is liable to fall, or be knocked out at the open curved ends of the arm.

These objections are obviated by my broom-hanger, which consists of an eye or ring having a central biting-edge formed by double bevels on a portion of its inner periphery, unbeveled biting-edges on the remaining opposite portion of said ring, and a tangential pivot-arm, whereby broom-handles of different sizes are securely suspended in a vertical position.

In the accompanying drawings, Figure 1 represents a view in perspective of my device as attached to a holding-surface, such as a door; and Fig. 2, a sectional view in the position in which the broom is suspended.

The holding ring or eye A is cast in one

piece with a tangential pivot-arm, B, which is secured to a door or wall by means of a screw, C, but not screwed so tightly as to prevent the device from moving freely in an arc from the horizontal. The rim *a* is beveled on its inner surface or periphery from both sides of the ring for about two-thirds thereof, thus forming a central biting-edge, *b*, and the space of the rim not beveled presents two angular holding-edges, *c*, which act, one at a time, (the device being reversible,) in connection with said central edge, to grasp the broom-handle D, and hold it in a vertical position in the eye A, whatever may be the suspending-angle of the hanger in the unconfined arc of its movement, for, when the handle D, of whatever size, is inserted in the eye, it determines the suspending-angle of the hanger by its own weight, and at the same time causes itself to be griped by the upper angular biting-edge from one side, and by the central beveled biting-edge; and the handle, being inclosed within the eye, no accidental striking or pulling by children will knock it out.

The eye, beveled as described, and combined with the tangent pivot-arm, forms a simple, cheap, and useful article of manufacture, and may be turned either to the right or left, with the central and angular edges biting in the same manner.

I claim—

The broom-hanger consisting of the eye or ring A, having the central biting-edge *b*, formed by double bevels on one side, the angular holding-edges *c* on the opposite side, and provided with the tangential pivot-arm B, substantially as herein set forth.

In testimony that I claim the foregoing I have affixed my signature in presence of two witnesses.

JACOB CAIN.

Witnesses:

WM. F. TAYLOR,
SAMUEL UTLY.