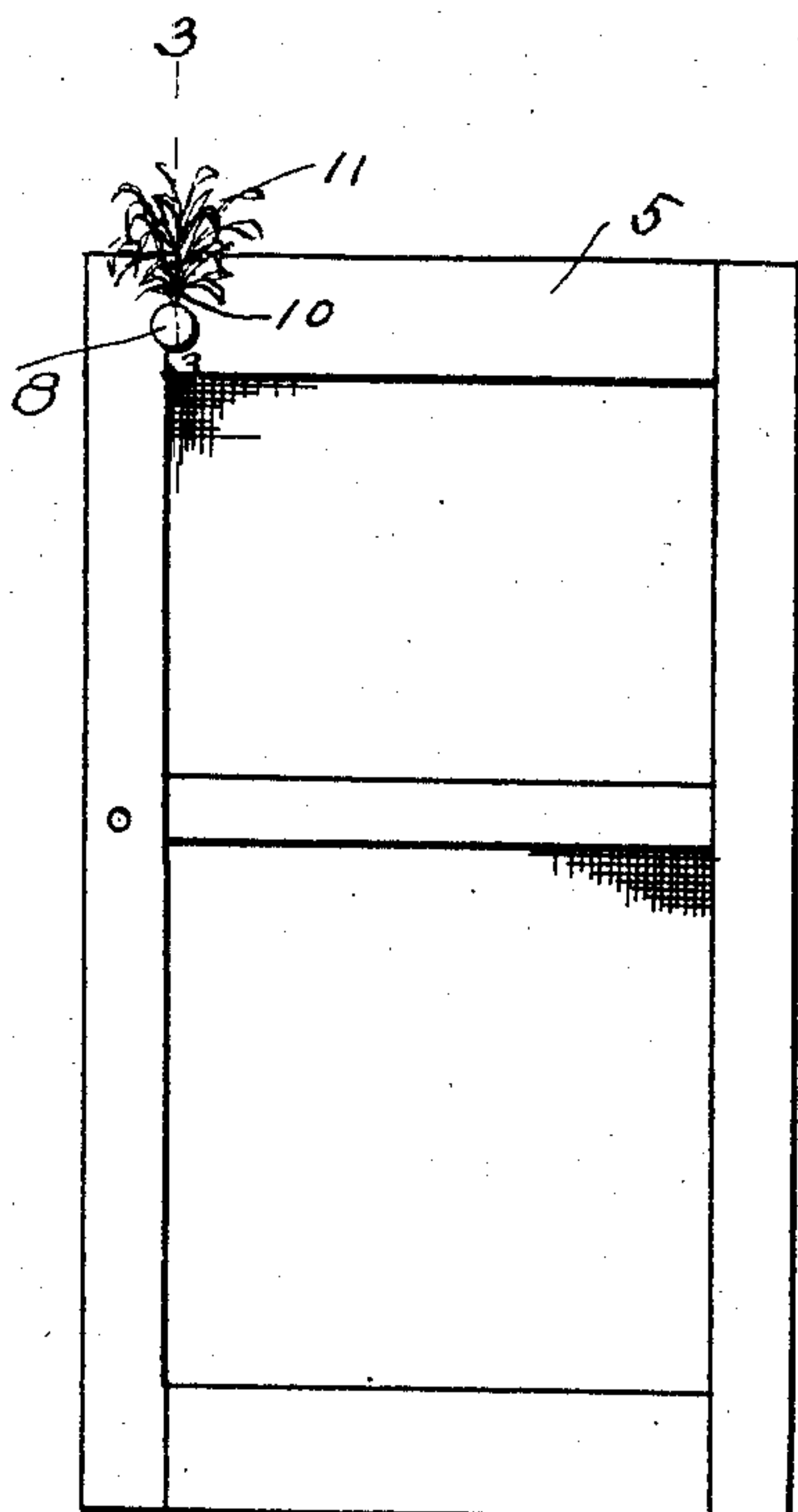
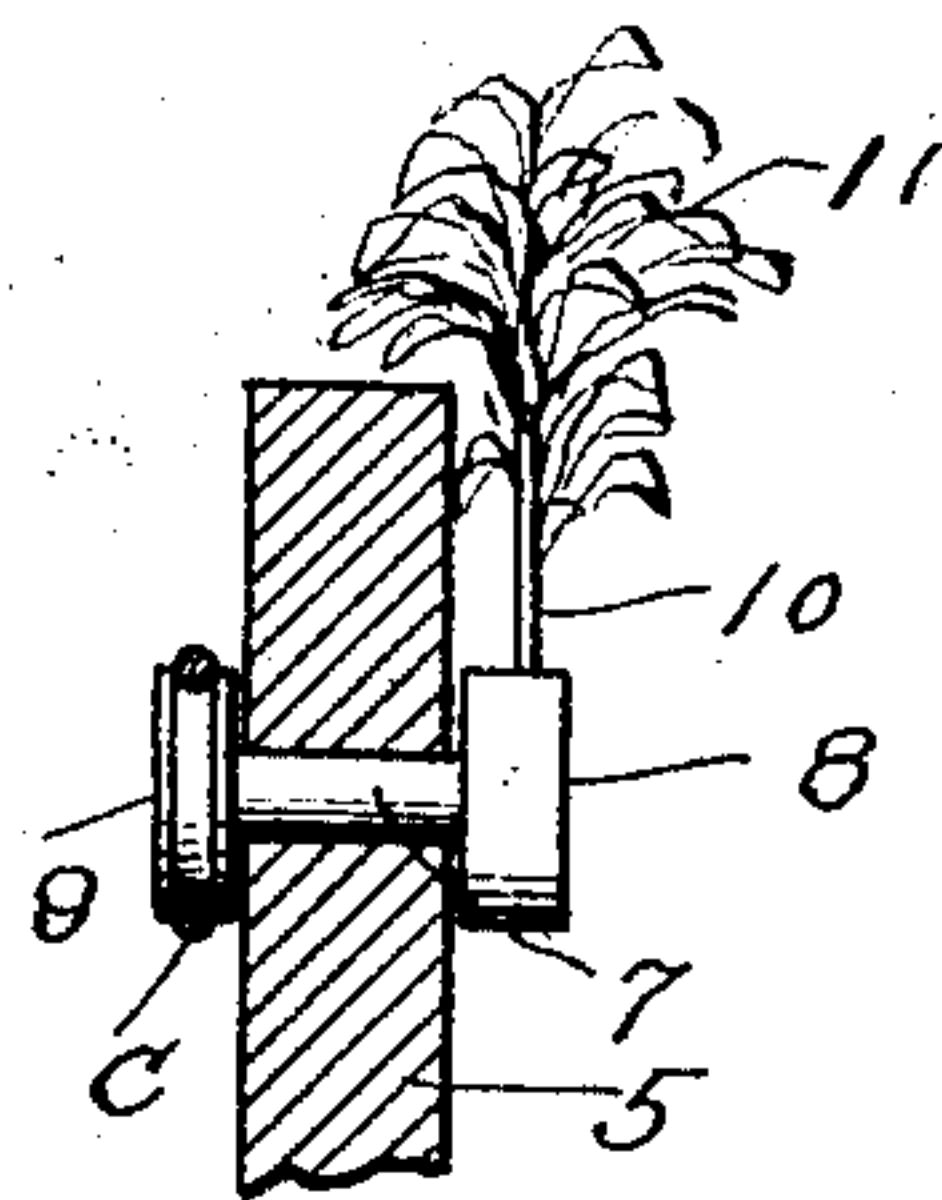
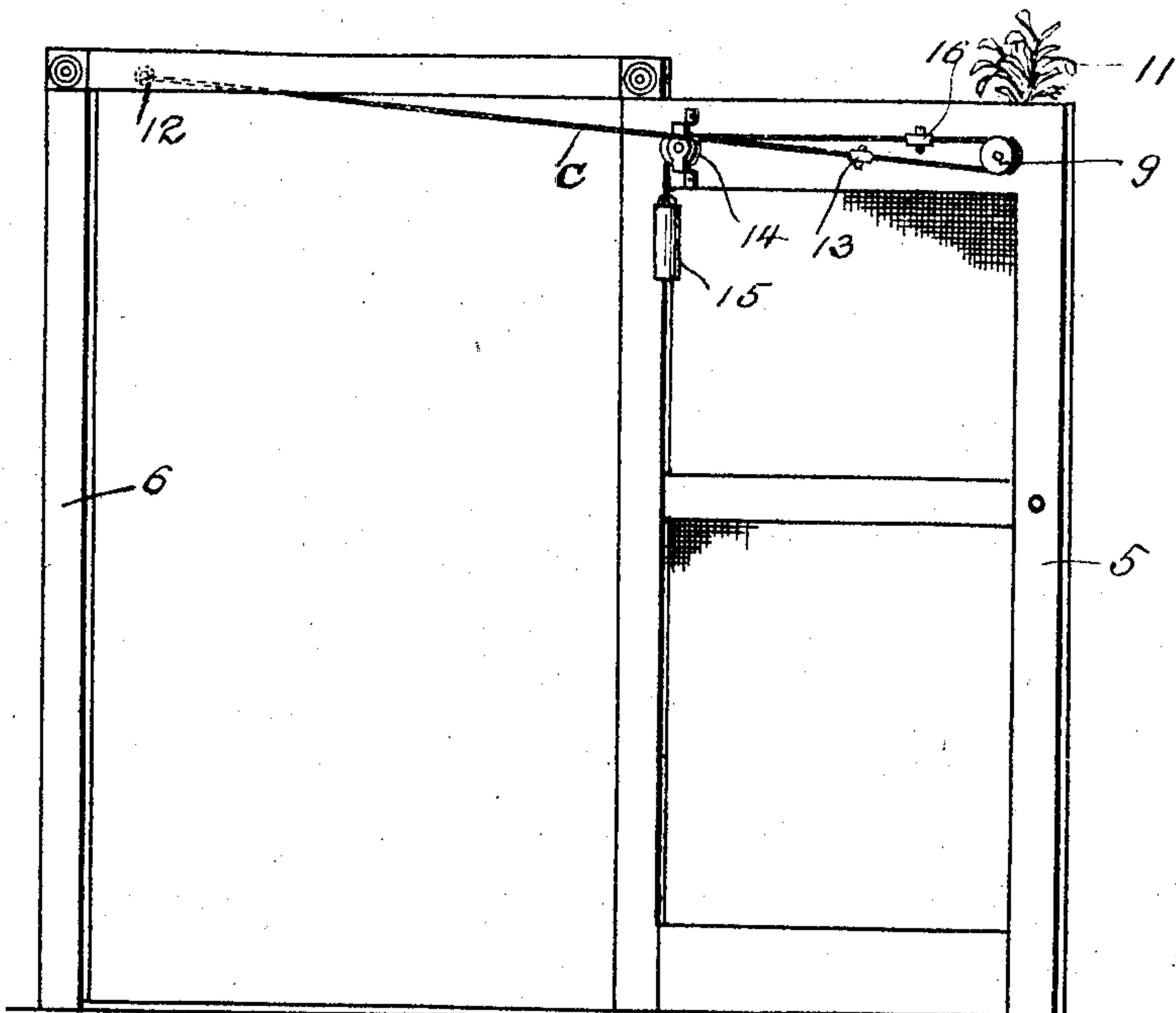


No. 794,105.

PATENTED JULY 4, 1905.

H. N. JASPER.
FLY BRUSH FOR DOORS.
APPLICATION FILED AUG. 12, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY N. JASPER, OF AKRON, OHIO, ASSIGNOR OF THREE-FOURTHS TO
CHARLES H. SLATTERY, OF SOUTHPARK, OHIO.

FLY-BRUSH FOR DOORS.

SPECIFICATION forming part of Letters Patent No. 794,105, dated July 4, 1905.

Application filed August 12, 1904. Serial No. 220,506.

To all whom it may concern:

Be it known that I, HENRY N. JASPER, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented new and useful Improvements in Fly-Brushes for Doors, of which the following is a specification.

My invention relates to a fly-brush for doors, and more particularly for screen-doors, and has for its object a device of this kind which will operate automatically when the door is opened and closed.

A further object is simplicity of construction, so that the invention can be readily applied to any door.

In the accompanying drawings, Figure 1 is a perspective view of a screen-door and frame, showing the device in position. Fig. 2 is an elevation of the door from the outside. Fig. 3 is a sectional view on the line 3 3 of Fig. 2.

Referring specifically to the drawings, 5 denotes a screen-door of ordinary construction, and 6 the door-frame. Extending through the door near the top thereof is a shaft 7, having on one end a block 8 and on the opposite end a pulley 9. The block is on the outer side of the door and the pulley on the inner side. In the block an elastic rod 10 is fastened and having at the end a brush or swisher 11, consisting of pieces of ribbon, feathers, or similar objects. The rod 10 may be a piece of wire, ratan, or other suitable elastic material. The shaft is rotated by means of a cord C, which is fastened to the door-casing, as at 12, by a screw-eye or in any other suitable manner. From this the cord passes around a pul-

ley 13 on the door, then over the pulley 9 and downwardly over a pulley 14 at the opposite end of the door, a weight 15 being fastened to the end of the rope. On the door between the pulleys 9 and 14 is a pulley 16 for guiding the cord. When the door is opened, the cord travels over these pulleys and rotates the shaft 7, causing the block to rotate and operate the brush. When the door is closed, this operation is repeated, the weight assisting in closing of the door and enabling the usual door-springs to be dispensed with.

The device is efficient in operation and well serves the purpose for which it is intended, and by reason of its simplicity of construction it can be readily applied to any door.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

The combination with a door and door-frame, of pulleys on one side of the door near the top thereof, one of said pulleys having a shaft extending through the door to the opposite side thereof; a block on the outer end of said shaft; an elastic rod secured in the block and carrying a brush; a cord fixed to the door-frame and passing over the pulleys; and a weight on the free end of the cord.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY N. JASPER.

Witnesses:

RICHARD W. REMY,
ROSE B. REMY.