

No. 840,452.

PATENTED JAN. 1, 1907.

F. P. GEE.  
BROOM HOLDER.

APPLICATION FILED MAR. 17, 1906.

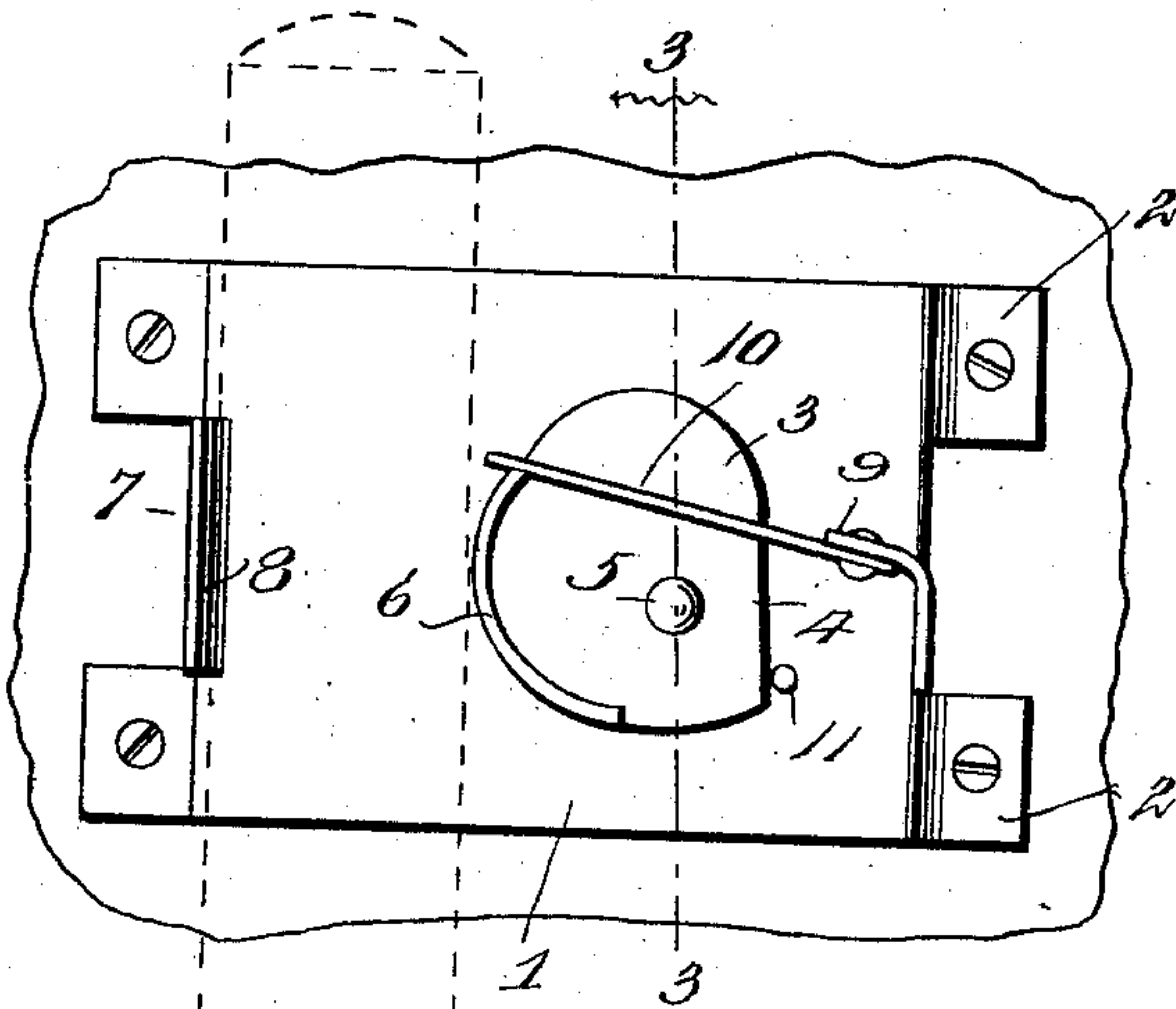


Fig. 1.

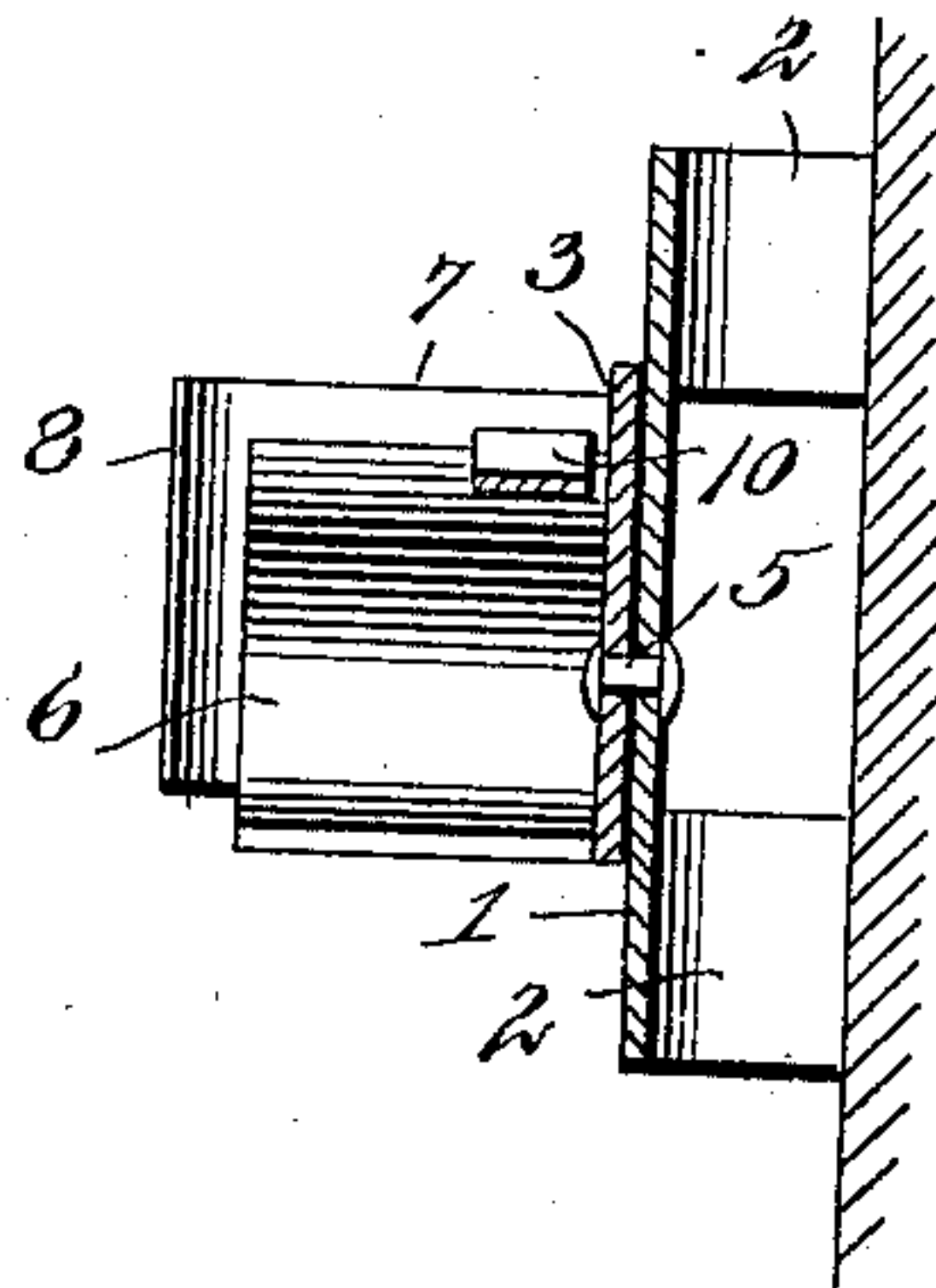
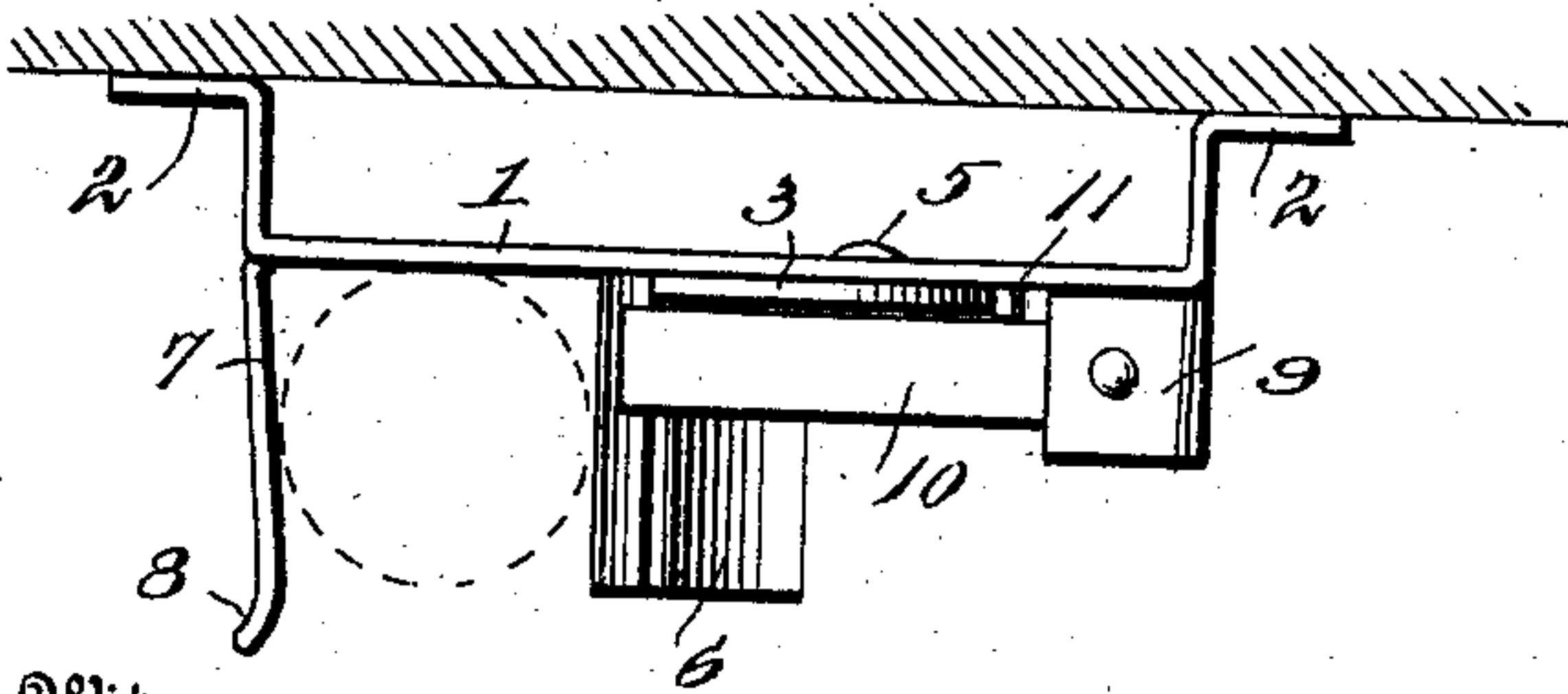


Fig. 3.

Fig. 2.



Witnesses  
Frank Hough  
D. W. Gould

F. P. Gee. Inventor

By Victor J. Evans  
Attorney

# UNITED STATES PATENT OFFICE.

FRANK P. GEE, OF DUMONT, COLORADO.

## BROOM-HOLDER.

No. 840,452.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed March 17, 1906. Serial No. 306,630.

*To all whom it may concern:*

Be it known that I, FRANK P. GEE, a citizen of the United States, residing at Dumont, in the county of Clear Creek and State of Colorado, have invented new and useful Improvements in Broom-Holders, of which the following is a specification.

The invention relates to an improvement in broom-holders designed to be secured to a suitable fixture and to removably support a broom or similar article.

The main object of the present invention resides in the production of a broom-holder of simple construction designed to clamp the handle portion of the broom and support the same in relative fixed relation to the holder, the device being arranged to provide for the convenient reception and holding of brooms of various sizes.

The invention will first be described in the following specification, reference being had particularly to the accompanying drawings, in which—

Figure 1 is a front elevation of a broom-holder constructed in accordance with my invention; Fig. 2, an edge view, and Fig. 3 a section on line 3 3 of Fig. 1.

Referring to the drawings, my improved holder comprises a base-plate 1, longitudinally slitted at each end to provide lips 2, which are bent downwardly at a right angle to the plate and outwardly from said right-angle portion parallel to the plane of the plate, said latter portion being formed with openings for the reception of screws or other fastening means to secure the holder in place to the fixture. Pivotaly secured on the base-plate intermediate the ends is a cam-plate 3, which is preferably approximately circular for a portion of its edge outline, the remaining portion being straight to provide an edge 4. The pivotal point 5 of the cam-plate is arranged eccentric to the curvature of the edge thereof for a purpose hereinafter described. A wall 6 extends at right angles to the surface of the cam-plate, forming a curvature to the edge of the plate adjacent which it is secured, this wall extending from the cam-plate a distance approximately equal to the diameter of a broom-handle or the like. The ends of the base-plate intermediate the lips 2 are bent upwardly from and at a right angle to the surface of said plate, providing at one end of the plate a wall 7, extending transverse the

length of the plate and designed to form an abutment against which the handle of the broom is held, the free or outer edge of this wall being preferably outwardly curved or flared at 8 to provide for the ready insertion of the broom-handle. The upwardly-extending section at the opposite end of the plate is cut from its connection with the plate for a portion of its length, the severed portion being bent inward to overlie the plate and provide a spring-support 9. To this support is secured a leaf-spring 10, the forward or free end of which is designed to contact with one edge of the cam-wall 6, as clearly shown in Fig. 1. A stop 11 projects from the surface of the plate 1 in the path of movement of the cam-plate, being preferably arranged to receive the straight edge 4 of said cam-plate and preventing further movement of said plate in one direction under the influence of the spring 10.

The pivotal connection of the cam-plate with the base-plate is so arranged relative to the curvature of said cam-plate as to provide the minimum distance between the walls 6 and 7 when the cam-plate is held against movement by the stop, the reverse movement of said cam-plate tending to increase said distance between the walls 6 and 7, as will be clearly apparent from the drawings. In use, the device being secured to a suitable fixture, the broom-handle or other article is inserted between the walls 6 and 7. The pressure necessary to so insert the handle, together with the rounded surface of the handle bearing against the rounded cam-walls 6, will cause a relative movement of the cam-plate to permit the wall 6 thereof to arrange itself at the proper distance from the wall 7 to receive the handle. The spring 10 operating to force the cam-plate at all times to its limit of movement tends to clamp the handle between the walls 6 and 7, and thereby support the broom or other article in desired position.

The device is simple, being preferably constructed entirely of sheet metal, and may be readily and inexpensively manufactured and in use will serve to support the broom or other article in any desired elevation. The article within the holder may be readily removed by simply exerting a pull upon the handle to draw the same laterally between the walls 6 and 7.



Having thus described the invention, what is claimed as new is—

A holder comprising a base-plate longitudinally slitted at each end to provide lips, the  
5 central lip at one end being bent upward to provide a wall projecting at an angle from the face of the base-plate, the end lips adjacent said central lip being bent downward to provide for securing the holder in place, the  
10 central lip at the opposite end being bent upward to provide a spring-support, a cam-plate pivotally supported on the base-plate

and having an eccentrically-arranged wall adapted to cooperate with the wall projecting from the base-plate, and a spring secured 15 to the spring-support and engaging the wall of the cam-plate.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK P. GEE.

Witnesses:

H. W. LA MUNYON,  
J. H. CARLSON.