(No Model.)

2 Sheets—Sheet 1.

G. TOWNSEND.

BROOM HOLDER.

No. 449,982. Patented Apr. 7, 1891.

Fig. 1.

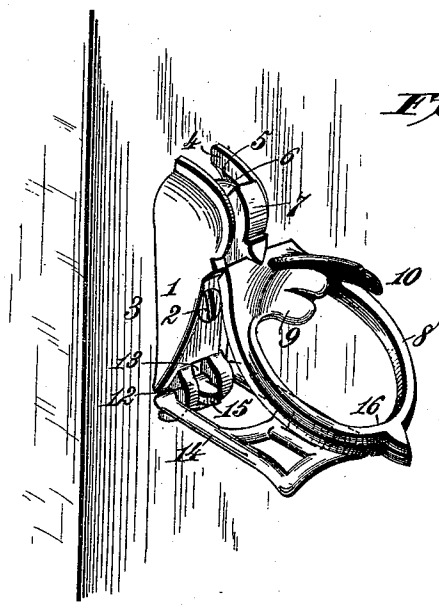


Fig. 2.

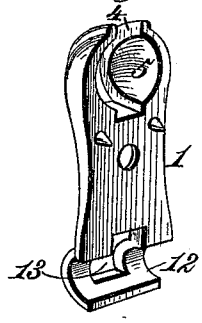
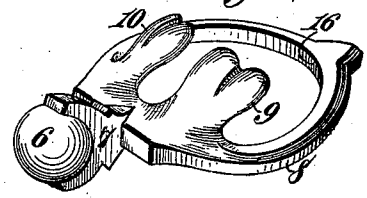


Fig. 3.



Witnesses.
Robert Courtt.
Geo. W. Rea.

Inventor.
George Townsend.
By James L. Norris
Atty.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.) 2 Sheets—Sheet 2.

G. TOWNSEND.

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Fig. 4.

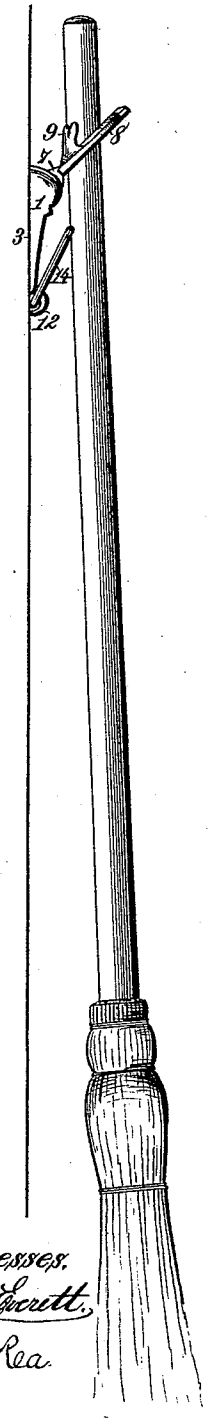


Fig. 5.

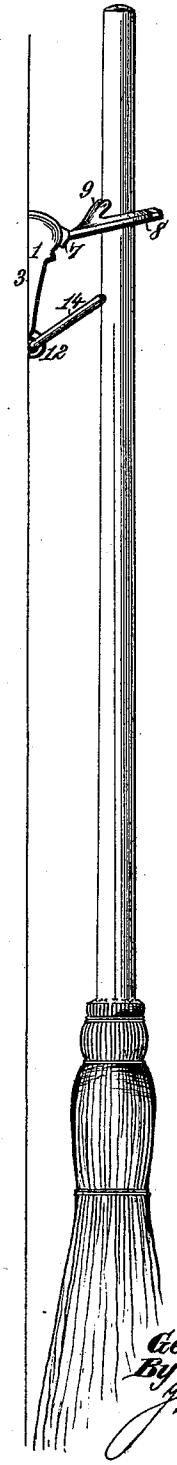
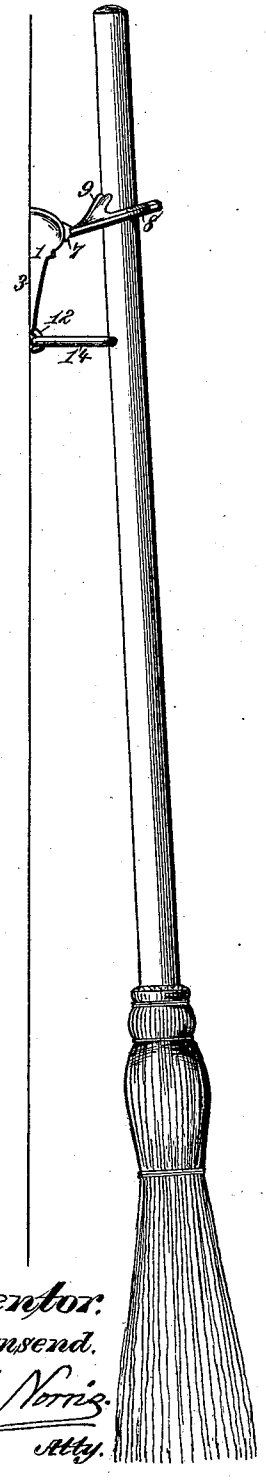


Fig. 6.



Witnesses.
Robt Everett.
Geo. M. Rea.

Inventor:
George Townsend.
By James L. Norris.
Atty.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE TOWNSEND, OF GREENVILLE CENTRE, NEW YORK.

BROOM-HOLDER.

SPECIFICATION forming part of Letters Patent No. 449,982, dated April 7, 1891.

Application filed July 23, 1890. Serial No. 359,678. (No model.)

To all whom it may concern:

Be it known that I, GEORGE TOWNSEND, a citizen of the United States, residing at Greenville Centre, in the county of Greene and State of New York, have invented new and useful Improvements in Broom-Holders, of which the following is a specification.

This invention relates to that type of broom-holders wherein a ring pivoted to a bracket and having an upwardly-projecting lug or arm is adapted to receive the broom-handle and by impinging thereupon suspends the broom until the latter is released for use by raising it and pressing the handle against the rear lug.

The present invention has for its object to provide a broom holder or hanger with novel means for suspending the broom and bracing and holding it from contact with the wall, to provide novel means for pivotally connecting the hanger ring with the bracket to permit free and easy movements of the ring, and to provide novel means for obtaining a triple bearing against the broom-handle and so brace it as to prevent its accidental disengagement from the ring when suspended. To accomplish all these objects my invention involves the features of construction, the combination or arrangement of parts, and the principles of operation hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a perspective view of the improved broom-holder, showing the parts in normal position prior to the engagement of a broom-handle therewith. Fig. 2 is a detail perspective view of the bracket or support. Fig. 3 is a detail perspective view of the ring. Fig. 4 is a side elevation showing a broom-handle inserted and the parts in position prior to releasing the broom for its suspension from the holder. Fig. 5 is a side elevation showing the position of the parts prior to swinging the broom outwardly for the drop movement of the brace-arm to a horizontal position. Fig. 6 is a side elevation showing the broom suspended and the brace-arm in position for detaining the broom from contact with the wall.

In order to enable others skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates a bracket or support attached by a screw 2 or similar fastening device to a wall, as at 3. The upper end of the bracket or support is bifurcated to form a pair of ears having parallel adjacent faces 4 and containing a concavity on its inner side, as at 5, to receive the ball or spherical head 6, formed on the rear extremity of a flattened shank 7, carrying the ring 8, through which the broom-handle is inserted for its suspension, as hereinafter explained. The ball or spherical head on the shank of the ring and the concavities in the internal surfaces of the ears constitute a ball-and-socket connection between the bracket and ring, whereby the latter is rendered susceptible of moving freely and easily. This construction avoids the necessity of employing a separate transverse pivot-pin for attaching and supporting the ring and enables me to manufacture the broom-holders at a comparatively small expense. The ring is provided at its rear portion with a bifurcated upward extension to form a pair of bearing-arms 9 and 10, which incline upwardly in a direction toward the center of the ring in such manner that by inserting a broom-handle vertically through the ring the latter will be elevated, and then when the broom is released the ring tends to swing down to a pendent position, but will suspend the broom from the bracket or support at the position shown in Fig. 5. The lower end of the bracket or support is provided with a segmental socket-bearing 12, having a central recess or orifice 13, and in the rear socket-bearing is pivoted a brace-arm 14, having at its rear end a forwardly-projecting lug or stud 15, extending into the recess or orifice in such manner that when the brace-arm stands horizontal, or approximately so, the said lug or stud will rest against the bottom wall of the recess or orifice, and thereby sustain the brace-arm in such position, while the upward-swinging motion of the brace-arm is rendered possible by the stud or lug rising and moving in the slot or orifice.

The brace-arm may be of any desired form

and construction, but is preferably composed of a link having side bars connected by transverse end bars, so that one of the end bars serves as the pivotal connection with the segmental socket-bearing, while the other end bar is curved and serves to rest against the broom-handle when the broom is suspended from the ring.

If the parts be in the position exhibited by Fig. 1 and it is desired to suspend the broom, the broom-handle is inserted upwardly through the ring, and thereby lifts the brace-arm and the ring to the position exhibited by Fig. 4. If the broom-handle is then released, the broom and the ring will descend a short distance until the rear arms 9 and 10 and the front edge 16 of the ring bind against the broom-handle and suspend the broom vertically. The brace-arm will then occupy an upwardly-inclined position, as indicated in Fig. 5, and if the broom be now swung outwardly in a direction away from the wall the brace-arm will drop from its inclined position to the horizontal or approximately horizontal position indicated in Fig. 6, which shows the position of the parts when the broom is suspended and held from contact with the wall. The brace-arm holds and braces the broom in such manner that it is impossible for the broom material to come in contact with the surface of the wall, and consequently the broom will not soil or deface the wall, which is a very desirable feature, especially if the broom should be wet or if for any reason it is desirable to hold the broom from contact with the wall.

The ball-and-socket connection of the ring and the bracket or support provide for the free and easy movements of the ring, and the bifurcated part projecting upwardly from the rear portion of the ring into two distinct arms 9 and 10 affords a firm and perfect bearing against the broom-handle in connection with the front edge of the ring, thereby obtaining a triple bearing that effectually prevents accidental displacement of the broom.

The front edge 16 of the ring forms the advance bearing against the broom-handle, and the two separate arms 9 and 10 constitute bearings posteriorly and laterally, thereby securely retaining the broom in the holder.

I have described my invention as especially designed for suspending or hanging brooms; but obviously it can be employed for suspending such articles as billiard-cues or other objects.

Having thus described my invention, what I claim is—

1. The combination, with a bracket or support and a broom-suspending ring pivotally connected therewith, of a brace-arm movable independent of and below the ring for holding the broom away from a wall, substantially as described.

2. The combination of a bracket or support having ears containing concavities, a broom-suspending ring having a spherical head arranged in the cavities of the ears, and a brace-arm movable independent of the ring for holding the broom away from a wall, substantially as described.

3. The combination, with a bracket or support having ears containing concavities, of the broom-suspending ring having a spherical head engaging the concavities and a bifurcated inclined extension forming two separated lateral supports for the broom-handle, substantially as described.

4. The combination, with a bracket or support, of a broom-suspending ring pivotally connected therewith and having a bifurcated inclined extension forming two separated lateral supports for the broom-handle, substantially as described.

5. The combination, with a bracket or support and a broom-suspending ring pivoted thereto, of a brace-arm pivoted to the bracket or support below the ring and adapted to stand horizontal, or approximately so, for holding a broom away from a wall, substantially as described.

6. The combination, with a bracket or support having a socket-bearing provided with an orifice or recess, of a broom-suspending ring pivoted to the bracket or support and a brace-arm pivoted to the socket-bearing and having a lug or stud entering the orifice or recess, substantially as described.

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

GEO. TOWNSEND.

Witnesses:
C. E. MABERY,
CASSIUS SANFORD.