

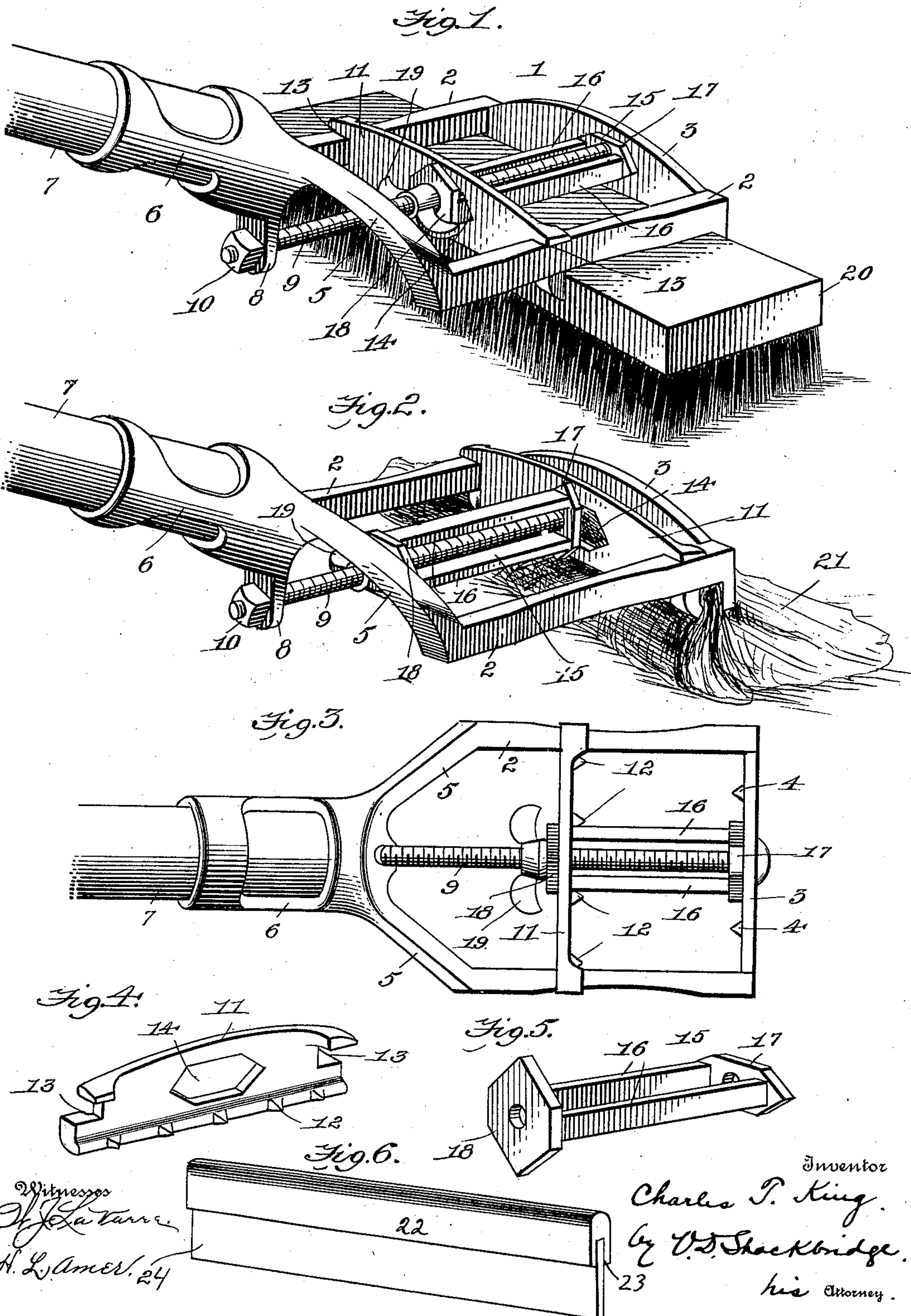
No. 620,145.

Patented Feb. 28, 1899.

C. T. KING.  
HOLDER.

(Application filed Apr. 29, 1898.)

(No Model.)





# UNITED STATES PATENT OFFICE.

CHARLES T. KING, OF CINCINNATI, OHIO, ASSIGNOR TO THE GLOUSTER  
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## HOLDER.

SPECIFICATION forming part of Letters Patent No. 620,145, dated February 28, 1899.

Application filed April 29, 1898. Serial No. 679,227. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES T. KING, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Convertible Scrubbing-Brushes and Mop-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to provide a convertible scrubbing-brush and mop-holder by means of which two devices of different widths may be readily clamped in the holder by a slight movement of the adjustment-screw.

The invention consists of a holder comprising a body made up of a casting constituting the frame and having side bars constituting guides, a socket-piece for the reception of a handle, and a toothed cross-bar connecting said side bars and constituting the stationary member of the clamp, a threaded rod or bolt connecting said cross-bar and a lug or projection on the body, a movable clamping member having notches or recesses in which the side bars are adapted to fit and provided with a central elongated opening, an adjustment-screw on the threaded rod or bolt and a follower loosely mounted on said bolt, the same consisting of an integral casting comprising two parallel side bars, an elongated head connecting said side bars, slightly smaller than the opening through the movable member of the clamp, and a base slightly larger than said opening.

The invention also consists in other details of construction and combinations of parts, which will be hereinafter more fully described and claimed.

In the drawings forming part of this specification, Figure 1 represents a perspective view of my improved holder, showing a scrubbing-brush applied thereto. Fig. 2 is a similar view of the same with a mop applied thereto, the movable member of the clamp being located adjacent to the stationary member thereof and held in such position by the follower and the adjustment-screw. Fig. 3 is a plan view with the brush and mop removed.

Fig. 4 is a detailed perspective view of the movable member of the clamp. Fig. 5 is a similar view of the follower, and Fig. 6 is a similar view of the window-cleaner employed.

Like reference-numerals indicate like parts in the different views.

The body 1 of my improved holder is a casting comprising parallel arms 2 2, constituting guides; a cross-bar 3, connecting the arms 2 2, provided with teeth 4 4, constituting the stationary member of the clamp, and diagonally-arranged converging arms 5 5, leading upwardly from the arms 2 2 and terminating in a socket 6 for the reception of the handle 7. Leading downwardly from the socket 6 from the point of connection of the converging arms 5 5 is a lug 8, through which and the cross-bar 3 passes a threaded rod or bolt 9, the same being secured in position by means of a nut 10 upon one end thereof. The movable member 11 of the clamp consists of a plate or casting having teeth 12 12 along the lower side edge thereof, notches 13 13 in the ends in which fit the side bars 2, by means of which said movable member is guided in its forward and inward movement, and an elongated slot 14. Mounted loosely on the threaded rod or bolt 9 is a follower 15, which is made up of two parallel side bars 16 16; an elongated head 17, connecting said side bars at their forward ends of substantially the same shape as the elongated slot 14 in the movable clamping member 11, but of slightly-smaller dimensions, and a base 18, connecting the rear ends of the side bars, which is wider than the opening 14. The said follower is moved forwardly by means of an adjustment-screw 19 on the threaded rod or bolt 9.

In Fig. 1 of the drawings my invention has been illustrated in connection with a scrubbing-brush, wherein the brush (indicated by the numeral 20) is held between the teeth 12 on the movable clamping member 11, and the teeth 4 on the cross-bar 3 constituting the stationary clamping member. The clamp is tightened by turning the adjustment-screw 19 and may be released by reversing said operation. In doing this the base 18 of the follower 15 bears against the rear surface of the movable clamping member 11 and the adjustment-screw 19 bears against said base.



If it be desired to use the holder in connection with a mop or window-cleaner which is considerably narrower than the base of the brush 20, the said brush is removed and  
5 the movable clamping member 11 moved forwardly toward the cross-bar 3 until the same passes beyond the head 17 of the follower 15. The said follower is then turned a quarter-revolution, so that the head 17 will bear  
10 against the rear surface of the clamping member 11 and will not pass through the opening 14 therein. By a slight movement of the adjustment-screw 19 the two members of the clamp may be brought into close relation one  
15 with the other for the purpose of locking the mop 21 or the window-cleaner 22 in place. The said cleaner 22 consists of a narrow strip, constituting the body, having a longitudinally-extending groove 23 therein, in which  
20 fits a stationary strip of rubber 24.

The invention has been described as being particularly adapted for use with scrubbing-brushes, mops, and window-cleaners. It is obvious, however, that it may be used for  
25 any purpose wherein it is desirable to clamp bodies of widely-different thicknesses. For example, if it be desired to use the scrubbing-brush 20 upon ceilings or upon any overhead work the same may be locked in  
30 the clamp edgewise, necessitating the movement of the members of the clamp in close relation one to the other. This adjustment may be readily and quickly obtained by the means heretofore described.

35 Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A clamp comprising two members, means for adjusting one of said members, and a follower located between one of said members  
40 and the adjusting means, the same adapted to engage said movable member at one point when in one position, and to slide freely there-through and to engage said movable member  
45 at another point when in the other position, as and for the purpose set forth.

2. In a clamp, two members, one of which is movable and has an opening therein, a

threaded rod or bolt, an adjustment-screw on said rod or bolt, and a follower loose on said  
50 bolt and provided with a head adapted to pass through said opening when in one position, and to engage the rear side of the movable member of the clamp when in another position, as and for the purpose set forth. 55

3. In a clamp, two members, one of which is movable and has an elongated opening therein, a threaded rod or bolt, an adjustment-screw on said rod and a follower mounted loose on said rod provided with an elongated head at one end adapted to pass freely  
60 through said opening when in one position, and to engage the rear side of the movable member when in the other position, and a base adapted to engage the rear side of said  
65 movable member, as and for the purpose set forth.

4. In a convertible scrubbing-brush and mop-holder, the combination with the body, having a socket for the reception of a handle,  
70 a downwardly-extending lug, parallel side arms and a cross-bar connecting said side arms and constituting the stationary member of a clamp, of a threaded rod or bolt connecting said cross-bar and said lug, a movable  
75 member having notches or slots in the ends thereof, in which said side arms fit, and an elongated slot through which said threaded bolt passes, a follower loosely mounted on  
80 said bolt, having parallel side arms, an elongated head connecting the forward ends thereof adapted to pass freely through said opening when in one position, and to engage the  
85 rear side of said movable member when in another position, a base connecting the opposite ends of the side arms of said follower, adapted to engage the rear side of said movable member, and an adjustment-screw on  
90 said bolt for moving said follower, as and for the purpose set forth.

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

CHARLES T. KING.

Witnesses:

A. W. McCORMICK,  
H. M. GOOD.