

No. 700,675.

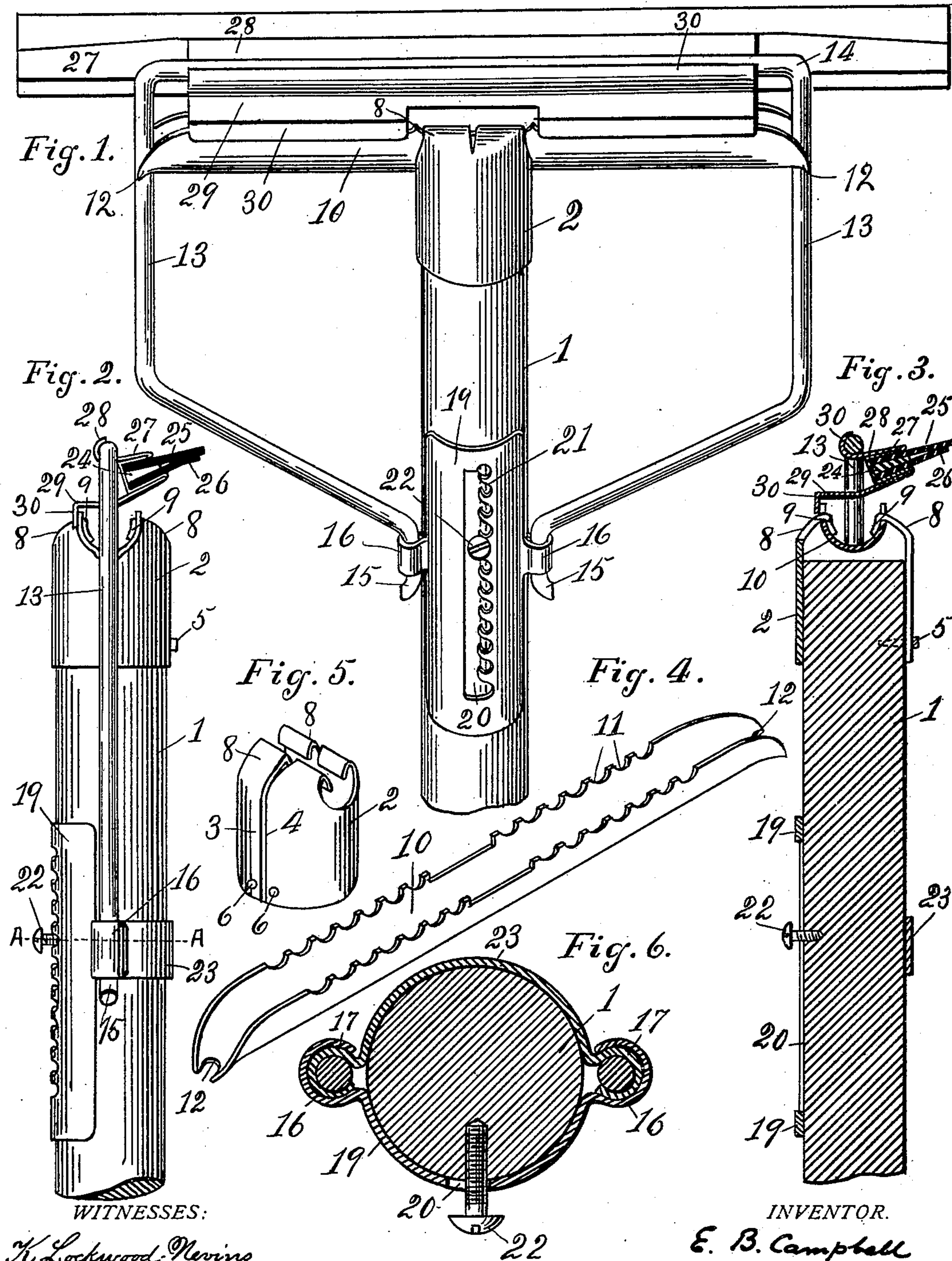
Patented May 20, 1902.

E. B. CAMPBELL.

MOP HEAD.

(Application filed Feb. 3, 1902.)

(No Model.)



WITNESSES:

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EMERSON B. CAMPBELL, OF BAKERSFIELD, CALIFORNIA, ASSIGNOR OF ONE-HALF TO MELVILLE H. WANGENHEIM, OF BAKERSFIELD, CALIFORNIA.

MOP-HEAD.

SPECIFICATION forming part of Letters Patent No. 700,675, dated May 20, 1902

Application filed February 3, 1902. Serial No. 92,436. (No model.)

To all whom it may concern:

Be it known that I, EMERSON B. CAMPBELL, a citizen of the United States, residing at Bakersfield, in the county of Kern and State of California, have invented certain new and useful Improvements in Mop-Heads, of which the following is a specification.

My invention relates to improvements in holders for mops and floor and window cleaners, the object of my invention being to provide a cheap and simple construction for this purpose.

My invention therefore resides in the novel construction, combination, and arrangement of parts for the above ends hereinafter fully specified and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of my improved holder, showing the floor and window cleaner clamped therein. Fig. 2 is an end view of the same. Fig. 3 is a vertical section of the same. Fig. 4 is a perspective view of a part of the cross-head. Fig. 5 is a similar view of another portion thereof. Fig. 6 is an enlarged cross-section on the line A A of Fig. 2.

Referring to the drawings, the handle 1 of the holder has secured on the upper end thereof a sleeve 2. Said sleeve is stamped out of sheet metal and bent into a cylindrical form, two of its edges 3 4 being brought around close to each other and the whole being secured to the handle 1 by driving the prongs of a staple 5 through small apertures 6 adjacent to said edges. Before, however, it is thus secured to the handle the upper end is bent over on opposite sides, as shown at 8, to form hooks 9, engaging the opposite edges of a cross-piece or trough 10. Said trough is formed of sheet metal bent into a U shape, its edges being notched, as shown at 11. The ends of said trough have cut therein recesses 12, which form guides for the side pieces 13 of the wire yoke 14. Its ends are bent into hooks 15, which pass through ears 16 17 on the runner. Said runner comprises the front piece 19, having the ears 16 and having cut therein a slot 20, one edge of which is formed into a rack with ratchet-teeth 21, which engage a stud or screw 22 in the mop-handle. Said runner also

comprises the rear band 23, surrounding the handle and having its ends formed into ears 17, which lie within the ears 16. Said piece 19 and band 23 thus form a complete ring around the mop-handle.

To close the yoke up to the cross-head and to inclose the floor or window cleaner therein, all that is necessary is to push the handle toward the middle portion of the yoke. The oblique sides of the ratchet-teeth 21 then slip past the stud or screw 22, said stud or screw passing behind each tooth in succession and holding the cross-head and yoke against separation from each other. To separate the same, the handle is grasped in one hand and the yoke is given a slight twist to one side, with the other hand withdrawing the ratchet-teeth out of engagement with the stud or screw. The runner can then be moved freely along the handle to any desired position, and by releasing the twisting pressure the stud will engage the notch opposite to it and hold the yoke against further withdrawal from the cross-head.

The floor or window cleaner shown comprises a strip of wood 24, two strips of rubber 25 and 26, separated by said wooden strip, and a clamp 27, of metal. Said clamp 27 is formed out of single pieces of sheet metal, the middle portion thereof being bent into a U shape, so as to clamp the rubber strips upon the strip of wood, and having also upper and lower wings 28 29, bent back from the U-shaped middle portion, said wings having flanges 30, which engage one the edge of the trough and the other the middle portion of the yoke.

I claim—

1. In a mop-head, the combination with the cross-head and yoke, of a ring to which the ends of the yoke are attached, and a handle, said ring and handle having thereon, the one a series of ratchet-teeth, and the other a stud for engaging said teeth, the ratchet-teeth pointing tangentially or laterally and being freed from said stop by a rotary relative movement of the ring and handle, substantially as described.

2. In a mop-head, the combination with the cross-head, yoke and handle, of a runner secured to the yoke, said runner having there-

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on a rack having teeth pointing laterally or tangentially, and a stud on said handle to engage said rack, substantially as described.

3. In a mop-head, the combination with a
5 cross-head, yoke and handle, of a runner comprising a piece having a rack formed thereon, and having ears, and a band having ears, the ends of the yoke being hooked to engage the ears of said piece and band, and a stud on
10 said handle engaging said rack, substantially as described.

4. In a mop-head, in combination with the handle, yoke, and means for regulating the yoke, a cross-head comprising a cross-piece
15 formed of sheet metal bent into a U shape to form a trough, and a ferrule or sleeve stamped

out of sheet metal and bent into a cylindrical form, two of its edges being brought around close to each other, and the whole being secured to the handle, the upper end of the
20 sleeve so formed being bent over on opposite sides toward each other to form hooks passing over opposite edges of the trough, substantially as described.

In witness whereof I have hereunto set my
25 hand in the presence of two subscribing witnesses.

E. B. CAMPBELL.

Witnesses:

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