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T. G. JOHNSON

MOP

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FIG. 1.

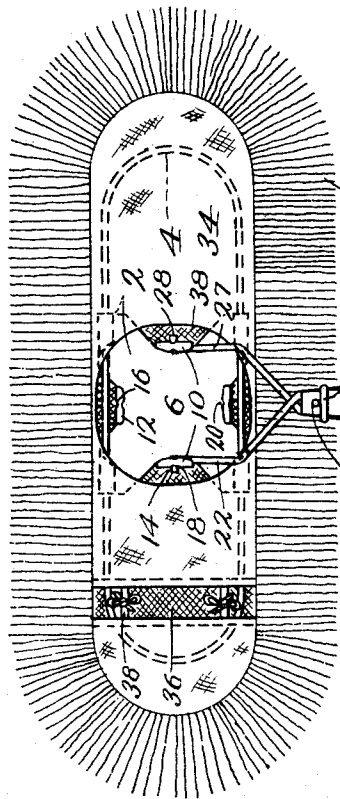


FIG. 2.

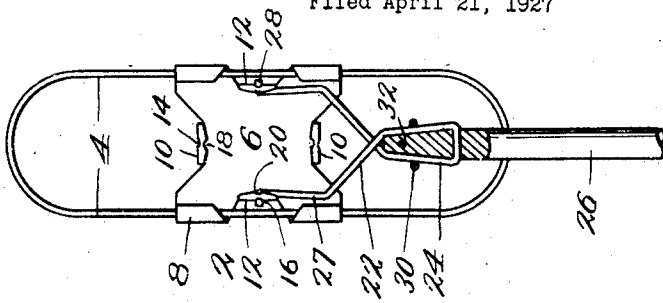
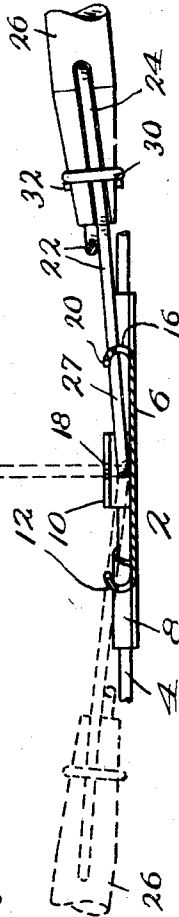
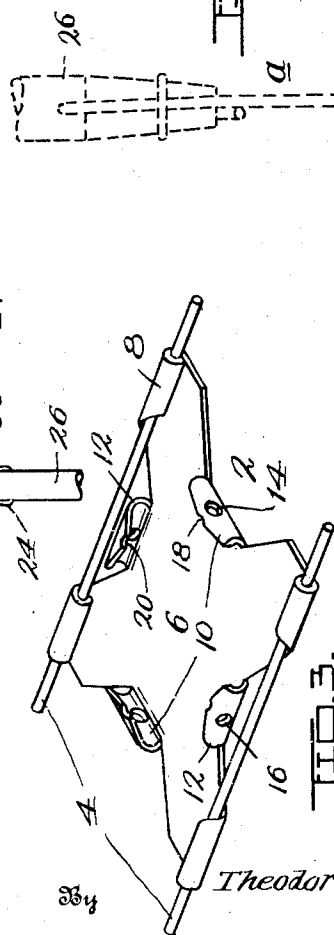


FIG. 3.



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UNITED STATES PATENT OFFICE.

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MOP.

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My invention relates to improvements in mops of the character employed in cleaning walls, ceilings, floors, furniture, etc., and one object is to provide a device of this character in which the head of the mop can be adjusted and held in various positions with relation to the handle, to the end that vertical and horizontal surfaces may be more conveniently cleaned.

Other objects will hereinafter appear, and in order that the invention may be fully understood reference will now be had to the accompanying drawing, in which:

Fig. 1 is a plan view of the mop with a portion of the handle broken away.

Fig. 2 is a plan view of the mop with the fabric cover removed and showing the mop head applied to the handle at rightangles to the position disclosed by Fig. 1.

Fig. 3 is an enlarged broken perspective view of the mop head.

Fig. 4 shows the mop head in section and three different positions in which the handle and said mop head may be adjusted with respect to each other.

Referring in detail to the different parts, 2 designates the mop head which consists of an elongated loop 4 and a plate 6. The loop 4 consists preferably of wire of suitable gage, while the plate 6 consists preferably of sheet metal having its corner portions 8 rolled over the opposite sides of said loop 4 to firmly secure the latter in place.

The plate 6 is provided centrally of its ends with a pair of retaining elements 10 and centrally of its sides with a pair of retaining elements 12, all of which are curved upwardly and inwardly for a purpose which will hereinafter appear. The retaining elements 10 and 12 are provided with eyes 14 and 16 and marginal notches 18 and 20, respectively, for a purpose which will presently appear.

22 designates a resilient bail which has a central loop 24 extending through the handle 26. The sides of the loop 24 cross each other and extend obliquely in opposite directions and then forwardly in the form of arms 27 which terminate in outturned trunnions 28 adapted to extend through the eyes 14 or 16 as shown by Figs. 1 and 2, respectively. The loop 24 of the bail 22, in addition to extending through the handle 26, is further secured thereto by means of a ring 30 which is slipped over the tapered

end of the handle 26 and held in place by a transverse pin 32.

34 designates a fabric cover arranged in the form of a pocket for the reception of the mop head 2, which latter can be readily inserted or removed from the former through a slot 36 near one end of said cover 34, after the bail 22 has been disconnected from the plate 6. The opposite sides of the slot 36 are provided with strings 38 which can be tied together to prevent the loop 4 from accidentally coming out of said slot 36 when the mop is in use. The top of the cover 34 is provided with a central opening 38 through which the bail 22 can be connected or disconnected from the head 2. The margin of the cover 34 is provided with a fringe of cotton or other suitable cords 40.

In practice when cleaning a relatively wide and smooth surface like the wall of a room, the bail 22 is connected to the retaining elements 10, as shown by Fig. 1, so that a space the length of the mop head 2 can be cleaned at each stroke of the mop. During the foregoing operation the mop head 2 is prevented from swinging loosely upon the trunnions 28 by the arms 27 of the resilient bail 22 engaging in the retaining elements 10. If the ceiling is to be cleaned the bail 22 is adjusted to the dotted line position *a*, Fig. 4, to engage the arms 27 with the notched portions 18 of the retaining elements 10 and thus firmly hold the mop head 2 in position to present a flat surface to said ceiling.

When the mop is to be used for cleaning floors the mop head 2 is turned around at rightangles to the position shown by Fig. 1, and the trunnions 28 are engaged in the eyes 16, as shown by Fig. 2, so that the mop can be readily introduced beneath furniture and used in cleaning corners, window casings, and other places where it could not be conveniently used when secured to the bail 22 in the position disclosed by Fig. 1.

The loop 24 of the bail 22 lends resiliency to the latter and causes the arms 27 to spring away from each other so that they will reliably hold the trunnions 28 in engagement with the respective retaining elements 10 and 12 and the eyes 14 and 16.

From the foregoing description it is apparent that I have provided a mop embodying the advantages above pointed out, and while I have shown and described the pre-

ferred construction, combination and arrangement of parts I reserve the right to make such changes as properly fall within the spirit and scope of the invention as
5 claimed.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

10 In a device of the character described, an elongated loop adapted to hold a fabric cover, a sheet metal member secured to said

loop and provided at its sides with a pair of upturned retaining elements and at its ends with another pair of upturned retaining elements, and a resilient bail adapted to
15 engage either pair of retaining elements and coact therewith in holding said loop either transversely or longitudinally with respect to said bail.

In testimony whereof I affix my signature.

THEODORE G. JOHNSON.