May 16, 1944. H. SOULE 2,348,863

MOP HEAD

Filed April 24, 1943

Fig. 1.

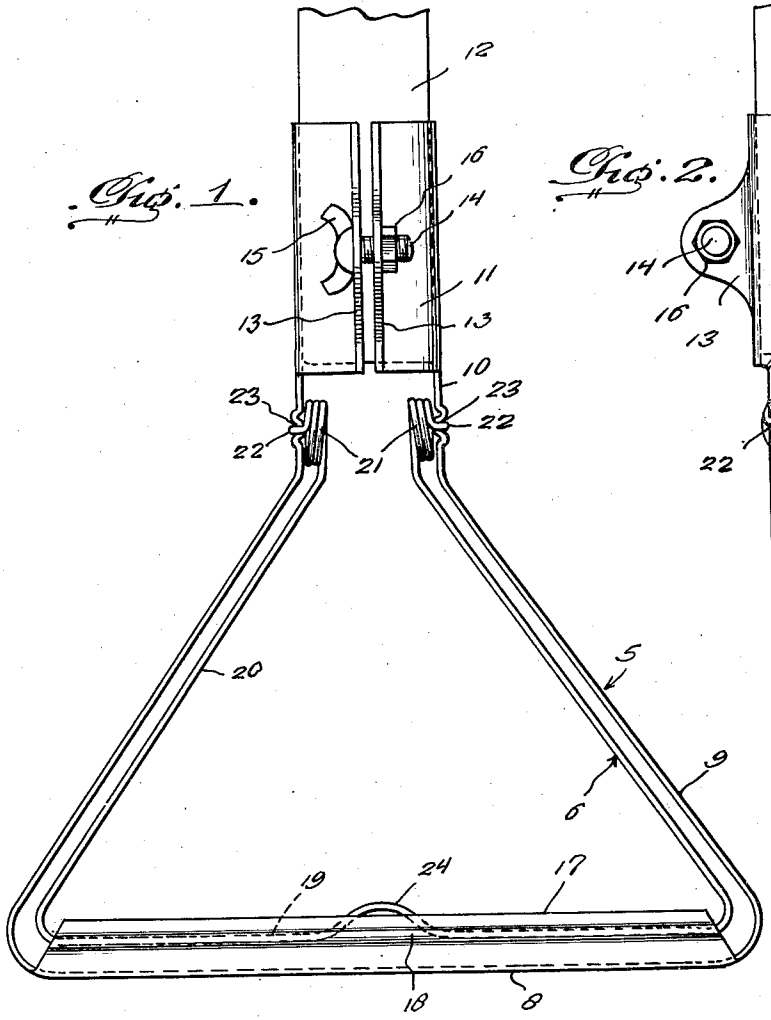


Fig. 2.

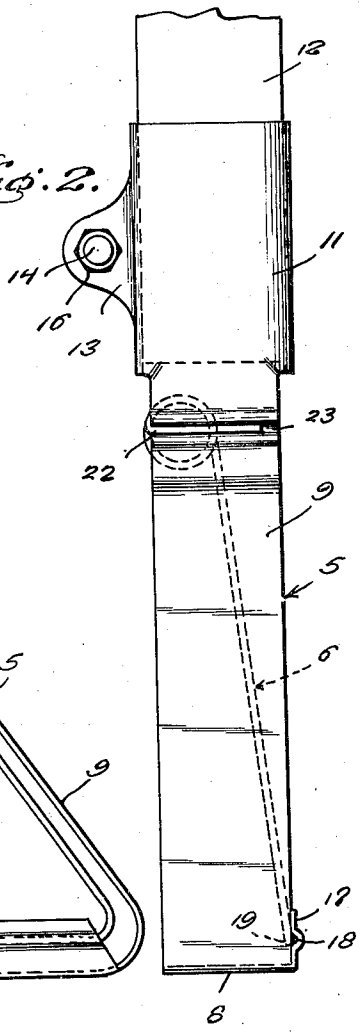
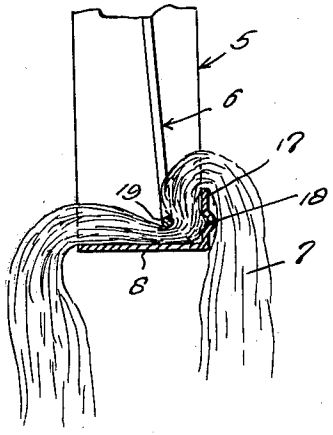


Fig. 3.



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MOPHEAD

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Application April 24, 1943, Serial No. 484,403

2 Claims. (Cl. 15—150)

This invention relates to a mop head, and has for the primary object the provision of an efficient and inexpensive device of the above stated character which will permit the fabric of a mop to be easily and quickly removed and applied and which will efficiently retain the fabric against slippage and may be readily applied and removed from a handle.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which

Figure 1 is a side elevation illustrating a mop head constructed in accordance with my invention.

Figure 2 is an edge elevation illustrating the mop head.

Figure 3 is a fragmentary transverse sectional view illustrating a portion of the fabric of the mop gripped by the head.

Referring in detail to the drawing, the numeral 5 indicates a relatively fixed rigid jaw and 6 a tensioned movable jaw operating within the fixed jaw to coact therewith in releasably gripping a fabric 7 of a mop. The jaws 5 and 6 are substantially triangular shaped. The relatively fixed jaw is constructed of rigid metallic material and provides a main frame of the mop head and includes a straight portion 8, converging portions 9 terminating in spaced parallel portions 10 formed integrally with one end of a split sleeve or cuff 11 adapted to receive and grip a handle 12. The split sleeve or cuff 11 is provided with outwardly directed apertured ears 13 to receive a bolt or like fastener 14, the head of which is provided with wings or finger pieces 15 to be gripped by a person to prevent rotation of the bolt during the turning on and off of a nut 16.

The portion 8 has extending at right angles thereto a stop flange or abutment 17, the length of which is approximately equal to the length of the portion 8 and against which the movable tensioned jaw 6 may engage. The flange 17 has extending longitudinally thereof a groove 18 to form a seat for a portion of the movable jaw and also in which a portion of the fabric 7 may be forced under the influence of the movable jaw to assist in preventing the fabric from slipping relative to the mop head.

The movable jaw 6 is preferably constructed of a heavy gauge wire and includes a substantially straight portion 19, and converging portions 20 terminating in coils 21 located between the parallel portions 10 of the relatively fixed jaw. The ends of the coils are bent to form anchoring portions 22 received within grooves 23 formed in the parallel portions 10. The ends 22 of the coils 21 may be anchored in the grooves in any well known manner such as welding or the like. The grooves 23 are formed in the portions 19 by bending the latter, as clearly shown in Figure 1. The coils 21 act to swing the portion 19 in tight engagement with the abutment or flange 17 with the portion 19 fitting in the groove 18 when the fabric 7 is removed.

The portion 19 is offset, as shown at 24, to provide a finger piece to facilitate the movement of the movable jaw by a person and also through which the fabric 7 may be threaded when applying the fabric to the mop head. Of course, it is to be understood that after the fabric has been drawn through the looped portion 24 it is spread to overlie the major portion of the flange and be forced thereagainst by the portion 19 of the movable jaw under the action of the coils 21 thereby preventing the fabric from slipping out of place but which will permit the fabric to be easily removed whenever desired.

The cuff or sleeve 11 will tightly grip the handle 12 under the influence of the fastener 14 to prevent separation of the mop head from the handle accidentally. However, by releasing the fastener 14, the handle can be easily withdrawn from the sleeve or cuff and thereby become detached from the mop head.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention claimed.

Having thus described my invention, what I claim is:

1. In a mop head, a substantially triangular shaped relatively fixed jaw including a substantially straight portion and converging portions terminating in parallel spaced portions and an abutment flange formed on said substantially straight portion and extending at right angles thereto, a split type sleeve integral with the parallel portions to receive and grip a handle, and a substantially triangular shaped movable tensioned jaw including a substantially straight

portion and converging portions terminating in coil portions having attaching ends, said parallel portions of the fixed jaw having grooves to receive the attaching ends with the coil portions arranged between said parallel portions, said substantially straight portion of the movable jaw coacting with the flange in gripping a mop fabric and having an offset portion forming a finger piece.

2. In a mop head, a substantially triangular shaped jaw including a straight portion and converging portions terminating in parallel spaced portions, adjustable means formed on the parallel spaced portions to receive and grip a handle, a substantially triangular shaped second jaw including a straight portion and converging portions terminating in coil portions having attaching ends with the coil portions arranged between the spaced parallel portions of the first jaw and with the attaching ends located outwardly of the parallel spaced portions, said parallel spaced portions crimped to provide grooves to receive the attaching ends.

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