

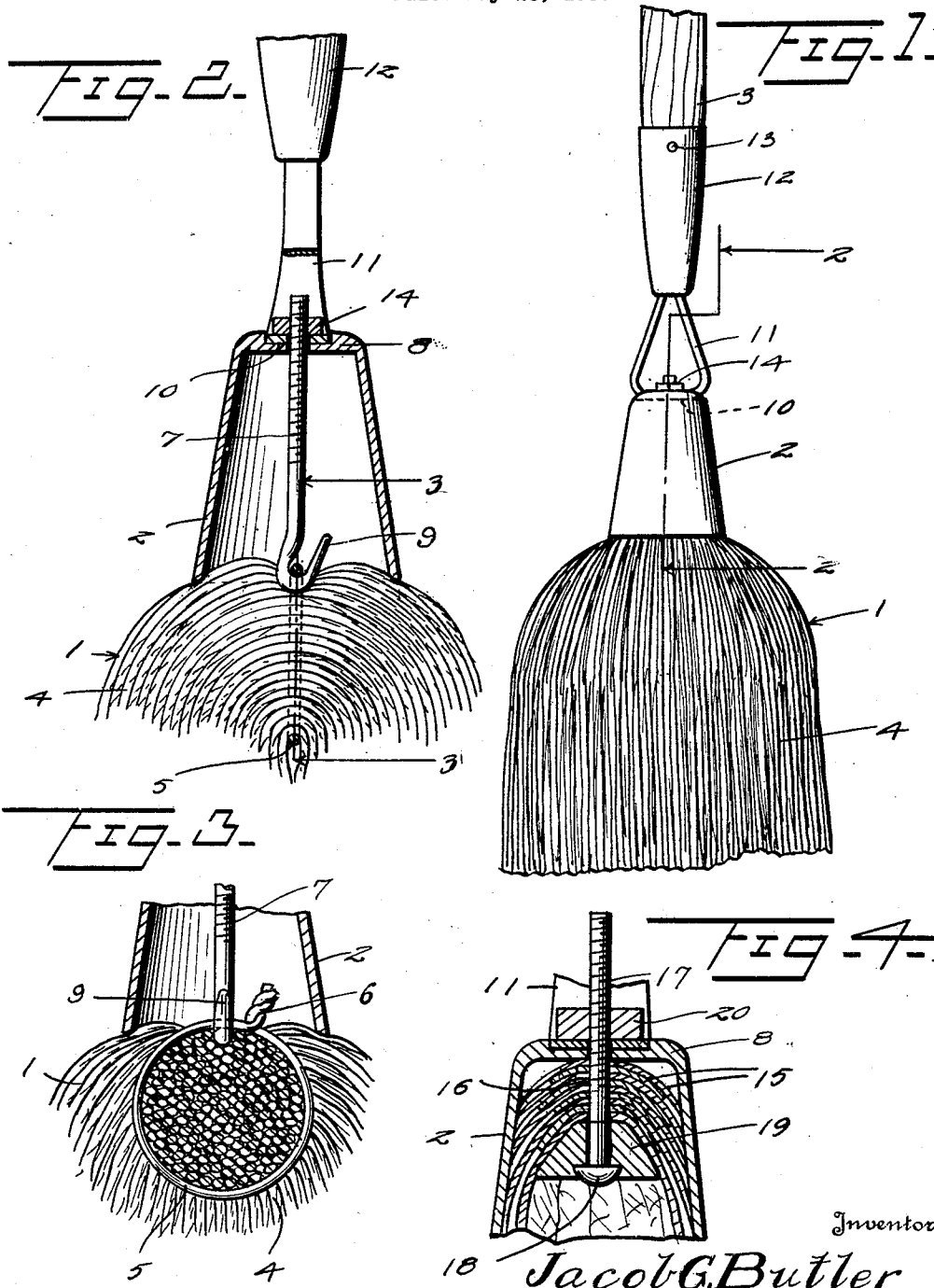
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MOP

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MOP

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This invention relates to mops, and has for one of its objects to improve and simplify the general construction of devices of this character and to provide one which shall embody a head adapted to permit the use of a mop cloth made up of cotton rope or one made up of rags.

The invention has for a further object to provide a mop wherein the head shall be of such construction as to permit the mop cloth to be firmly secured thereto and as to permit a worn mop cloth to be removed therefrom and a new one substituted therefor with ease and in a short time.

The invention has for a further object to provide a mop which shall be strong, durable and efficient and which shall be adapted to be manufactured and sold at low cost.

With the foregoing and other objects in view, the nature of which will appear as the description proceeds, the invention consists in the construction, combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawings, wherein:—

Figure 1 is an elevation of a mop constructed in accordance with my invention;

Figure 2 is a longitudinal sectional view approximately on the line 2—2 of Figure 1;

Figure 3 is a fragmentary sectional view taken on the line 3—3 of Figure 2, and

Figure 4 is a fragmentary view in section of the modification hereinafter specifically referred to.

Referring in detail to the drawings, 1 designates the cloth, 2 the head, and 3 the handle of the mop. The cloth 1 may consist of lengths 4 of cotton rope arranged with their central portions in overlapped relation and secured together by a clamp 5 which may consist of a copper wire bent about the overlapped portions of the rope lengths and having its ends twisted together, as at 6.

The head 2 is of hollow frusto-conical formation, and receives the upper end portion of the cloth 1. The cloth 1 is secured to the head 2 by a bolt 7 passing through the upper end wall 8 of the head and provided at its lower end with a hook 9 engaging the clamp 5. The head 2 is provided in its upper

end wall 8 with a groove 10 which extends diametrically across the same and opens out through the upper side thereof. A yoke 11 of triangular formation in elevation has its base bar positioned in the groove 10 and has its side bars secured to the lower end of a socket 12 which receives the lower end of the handle 3 and is secured thereto by a pin 13. The head 2 and yoke 11 are secured together by the bolt 7, the nut 14 of the bolt contacting with the upper side of the base bar of the yoke.

In addition to securing the mop 1 to the head 2 and the head 2 to the yoke 11, the bolt 7 provides means by which the upper end portion of the mop may be drawn into the head, this being accomplished by turning the nut 14 in a direction to move the bolt upwardly with respect to the head. The cross base bar of the yoke 11 has a snug fit in the groove 10, and due thereto, the head 2 is held against turning movement with respect to the handle 3 while the cloth 1 is being wrung.

The cloth may be made up from rags, as shown in the modified form illustrated in Figure 4, and when thus made, the rags are cut in strips, and these strips 15 are arranged with their central portions in overlapped relation. The overlapped portions of the strips 15 are provided with openings 16 for the passage of a bolt 17 which is provided with a head 18 and upon which is mounted a frustro-conical block 19. The bolt 17 passes through the upper end wall 8 of the head 2, and the block 19, which is located below the overlapped portions of the strips 15, clamps the strips between itself and the upper end and side walls of the head. The nut 20 of the bolt 17 which also serves to secure the head 2 to the yoke 11, provides means by which the overlapped portions of the strips 15 and the wedge block 19 may be drawn into the head 2.

It should be apparent from the foregoing description, taken in connection with the accompanying drawings, that the head of the mop is firmly and rigidly secured to the handle, and that it and the means by which it is secured to the handle enables a mop cloth to

be readily and quickly secured thereto or removed therefrom.

As the head cannot turn with respect to the handle, the mop cloth may be easily wrung.

When the mop cloth becomes so worn as to render it unfit for further use, it may be replaced conveniently and at low cost.

While I have described the principle of the invention, together with the structure which I now consider the preferred embodiment thereof, it is to be understood that the structure shown is merely illustrative and that such changes may be made, when desired, as fall within the scope of the invention as claimed.

I claim:—

A mop comprising a hollow head having an upper end wall and open at its lower end, said wall being provided with a central opening and provided in its upper side with a transverse groove, a cloth having its upper end portion arranged in the head, a handle, a yoke of triangular formation having its base bar positioned in said groove and having its side bars secured to the lower end of the handle, said base bar having an opening registering with said first opening, a bolt engaging the mop and passing through said openings, and a nut mounted upon the bolt and contacting with the upper side of said base bar.

In testimony whereof I hereunto affix my signature.

JACOB GEORGE BUTLER.