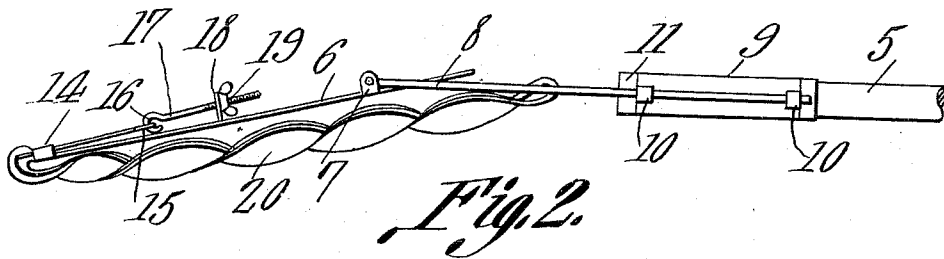
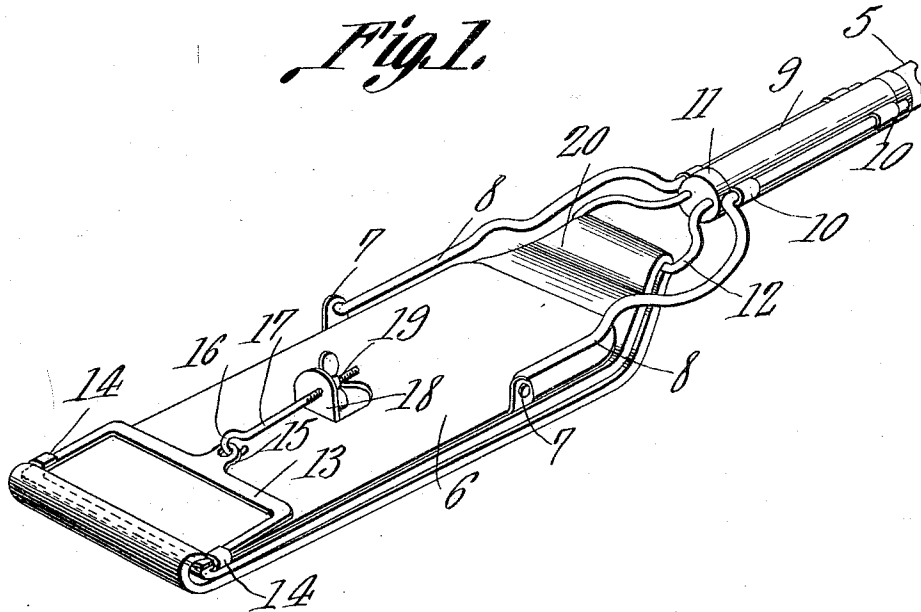


H. A. RUGGLES.
 COMBINED MOP HEAD AND WRINGER.
 APPLICATION FILED AUG. 1, 1910.

1,005,887.

Patented Oct. 17, 1911.

Fig. 1.



Harry A. Ruggles, Inventor

Witnesses

J. D. Doolin
M. A. Schneider

by *C. A. Snow & Co.* Attorneys

UNITED STATES PATENT OFFICE.

HARRY ALVAH RUGGLES, OF KANSAS CITY, MISSOURI, ASSIGNOR OF TWO-THIRDS TO
CONSTANT M. RUGGLES, OF ST. JOSEPH, MICHIGAN.

COMBINED MOP HEAD AND WRINGER.

1,005,887.

Specification of Letters Patent.

Patented Oct. 17, 1911.

Application filed August 1, 1910. Serial No. 574,883.

To all whom it may concern:

Be it known that I, HARRY A. RUGGLES, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a new and useful Combined Mop Head and Wringer, of which the following is a specification.

This invention relates to devices for holding mops, the parts being so constructed and arranged that the mop may be wrung without its removal from the holder.

It is the object of the present invention to provide a device of the kind stated which is simple in construction, and which can be easily operated to wring the mop, and also to provide the device with simple and efficient mop-holding means.

With these and other objects in view, as will appear when the nature of the invention is better understood, the same consists in a novel construction and arrangement of parts to be hereinafter described and claimed, reference being had to the accompanying drawing, in which drawing—

Figure 1 is a perspective view of the device. Fig. 2 is an edge view showing the parts in position for wringing the mop.

In the drawing, 5 denotes the handle of the device, a fragment thereof only being shown, and 6 is the head, the latter being a flat plate preferably formed of sheet metal. At the opposite side edges of the plate, adjacent to its rear end, are upstanding ears 7 provided with eyes into which are hooked the outer ends of rods 8 which extend thence straight back over the head, then bow outward as at 80 and turn in again as at 81, and finally are rigidly connected to a sleeve on the handle 5. The rods are loosely connected to the ears, so that a pivotal connection between the rods and head 6 is had. On the lower end of the handle 5 is a loose sleeve 9 which is formed in opposite sides of the handle with loops 10 in which the upper ends of the rods 8 are received, whereby the connection of said rods with the sleeve is made. That portion of the rod which is received within the loops is straight, and beyond the same, the rods are bent outwardly as at 80 so as to clear the mop holding device at the lower end of the handle. The sleeve 9 is held in place by a ferrule 11 on the lower end of the handle.

The mop holding device at the lower end of the handle 5 is a rod which is bent into

a loop 12, the two ends of the rod being inserted into openings in the lower end of the handle and secured therein in any suitable manner. This device holds one end of the mop. The other end of the mop is held by a slide 13 comprising a substantially rectangular frame, the opposite side bars of which are mounted under guide lugs 14 bent upwardly from the side edges of the plate 6 at its forward end, said device 13 being free to slide in the direction of the length of the plate, and being guided by the lugs 14. One of the cross bars connecting the side bars of the device is adapted to extend in close proximity to the forward end of the plate 6, and to be connected to the mop as will be presently described. The other cross bar is formed with an eye 15 through which passes a hook 16 formed on one end of a rod 17 which passes through an upstanding ear 18 which is struck up from the plate 6. The rod is screw threaded, and on the same, behind the ear 18, is threaded a wing nut 19. This wing nut is provided for the purpose of operating the rod 17 to adjust the sliding member 13.

The mop, indicated at 20, is fastened to the device by being passed through the loop 12, and then extended along the under side of the plate 6. The two ends of the mop are then twisted around the lower cross bar of the fastening device 13, and the wing nut 19 is then operated to draw the rod 17 upwardly, and thus securely clamp the lower end of the mop. Inasmuch as the handle 5 is pivotally connected to the plate 6 which forms the mop head, said handle may be swung upwardly to carry the upper end of the mop across the rear or upper edge of the plate, thereby tightly drawing the mop across the bottom of the plate. The plate therefore serves as a backing for the mop, and the latter may therefore be firmly pressed down on the floor or other parts to be operated on.

To wring the mop, the handle is swung downwardly sufficiently to carry the mop away from the plate 6 and rest the rods 8 across its upper end, as shown in Fig. 2. The handle is then grasped in one hand, and rotated, the other hand gripping the sleeve 9. Rotation of the handle, rotates the loop 12, and twists the mop in an obvious manner. After the mop has been wrung, the handle is rotated in a reverse direction to

again straighten out the mop, and the handle is then swung upwardly to place the mop again in proper operative position.

What is claimed is:—

5 1. A combined mop head and wringer comprising a plate having an upstanding ear, a rod passing through said ear, a nut screwed on the rod, guides on the plate, a clamping member slidably mounted under
10 the guides and connected to the aforesaid rod, said clamping member engaging one end of the mop, a handle having holding means for the other end of the mop, a sleeve in which the handle is rotatable, and rods
15 carried by the sleeve and connected to the aforesaid plate.

2. A combined mop head and wringer comprising a plate having a central upstanding ear and other upstanding ears at
20 its sides, a rod passing through said central

ear, a nut screwed on one end of the rod, guides on the plate, a clamping member slidably mounted on the plate under the guides and connected to the aforesaid rod, said clamping member engaging one end of 25 the mop; a sleeve, a handle rotatably mounted in the sleeve, means carried by the handle for holding the other end of the mop, and rods carried by the sleeve, bowed outward and thence bent inward, and finally 30 extending over the upper end of said plate and pivoted to said ears.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HARRY ALVAH RUGGLES.

Witnesses:

FRANK L. PIXLEY,
ESSIE HESSONG.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."