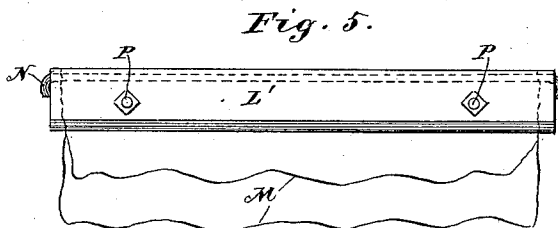
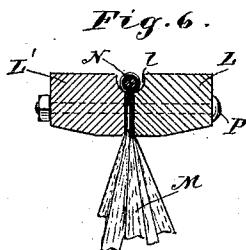
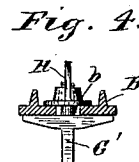
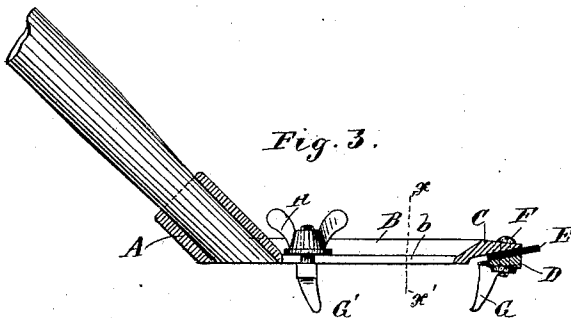
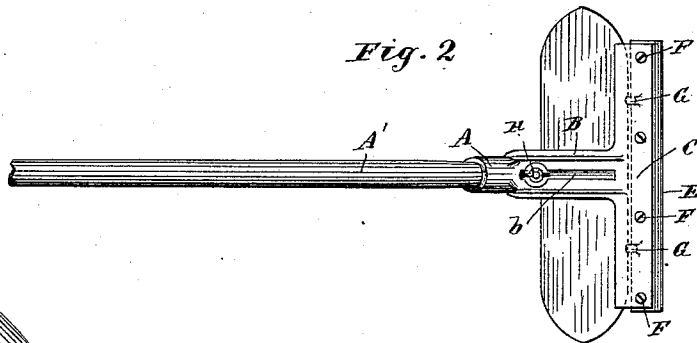
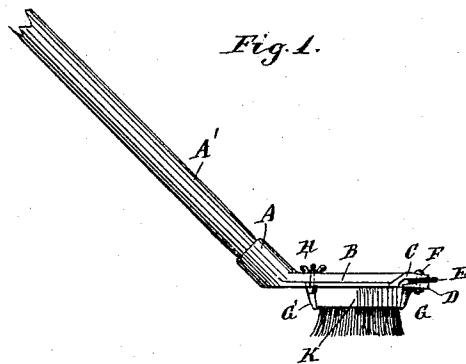


(No Model.)

E. F. ROWE.
COMBINED SCRUBBER AND MOP HEAD.

No. 472,486.

Patented Apr. 5, 1892.



Witnesses.

A. H. Opsahl.

E. F. Elmore

Inventor.
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Jas. F. Williamson

UNITED STATES PATENT OFFICE.

ELIJAH F. ROWE, OF GRANITE FALLS, MINNESOTA.

COMBINED SCRUBBER AND MOP-HEAD.

SPECIFICATION forming part of Letters Patent No. 472,486, dated April 5, 1892.

Application filed October 13, 1891. Serial No. 408,571. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH F. ROWE, a citizen of the United States, residing at Granite Falls, in the county of Yellow Medicine and State of Minnesota, have invented certain new and useful Improvements in a Combined Scrubber and Mop-Head; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to brushing and scrubbing devices, and has for its object to provide an improved head for holding a scrubber and a brush or mop at the same time. To this end I construct the head preferably of T shape, having at the foot of the stem a handle-seat projecting therefrom at an angle to the same, a slot in the body of the stem, a removable clamping-plate adapted to hold the scrubber against the laterally-extended part of the head, so that it will project from the forward end of the same, and a pair of curved projections or clamps on the under side of the head for holding the brush or mop, one of which is mounted to slide in said slot as a guideway and is provided with a thumb-screw or other device for securing the same to the head in whatever position it may be set. The clamping-plate for holding the scrubber may be secured to the expanded part of the head by bolts or in any other suitable way.

The invention is illustrated in the accompanying drawings, wherein, like letters referring to like parts throughout—

Figure 1 is a side elevation, and Fig. 2 a plan, of the head with the scrubber and a floor-brush in position for use, part of the operating-handle being broken away. Fig. 3 is a central section crosswise of the head, the brush being removed. Fig. 4 is a cross-section through the stem of the head on the line X X' of Fig. 3. Fig. 5 is a side elevation, and Fig. 6 a cross-section, of a mop which may be substituted for the brush when so desired.

A B C is the head proper, of which A is the handle-seat, B is the stem, and C the cross-arm or laterally-expanded part.

D is the removable clamping-plate.

E is the scrubber composed of rubber, and F F are the bolts for securing the clamping-

plate and the scrubber to the cross-arm C, the said bolts working through holes in the said parts, as shown in Figs. 2 and 3.

G are the fixed projections or curved clamps secured to the under side of the clamping-plate D for co-operation with the sliding clamp or curved projection G', mounted to slide in a slot *b* on the stem of the head to hold the brush or the mop on the under side of the head. H is a thumb-screw working on the upper end of the sliding clamp against the top of the stem B for holding it in whatever position it may be set.

K is a floor-brush shown in position for use.

L L' M N P is the mop, which may be substituted for the brush whenever desired, of which parts M is the mop proper, N a retaining-wire over which it is folded, L L' a pair of head-blocks for holding the mop, and P a set of bolts and nuts for clamping the said head-blocks together. The retaining-wire is bent at its extremities to prevent it from slipping out of the mop, and the head-blocks are recessed, as shown at *l*, to form a seat for the wire and the head of the mop.

Of course it will be understood that instead of the floor-brush K, as shown in Figs. 1 and 2, a window-brush or any other kind of a brush might be substituted instead. A' is the handle.

The operation and use of the device and the advantages of the same are obvious. The brush and the scrubber being carried on the same head, either may be used at will by simply turning the handle to reverse the head. It should be noted that the under surface of the cross-arm C and the top surface of the clamping-plate D are inclined, so as to make the scrubber E project therefrom at an angle to the body of the head. Hence when the head is turned upside down it will stand in the proper position for convenient use. This device is of course applicable to all kinds of scrubbing and brushing, such as for floors, windows, &c.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

The combined scrubber and mop-head, as shown and described, consisting of the T-shaped body B C, having the seat A for the operating-handle located at an angle to the

body, the slot *b* in the stem B, the scrubber-clamping plate D, the bolts and nuts F F, the curved projections G, fixed to the plate D, the sliding curved clamp or projection G', working in said slot, and the thumb-nut H for securing the said sliding clamp in whatever position set, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ELIJAH F. ROWE.

Witnesses:

A. J. VOLSTEAD,
ASA WEAVER.