(No Model.)

DE L. E. BALLAM.

MOP.

No. 548,622. Patented Oct. 29, 1895.

FIG. 3.

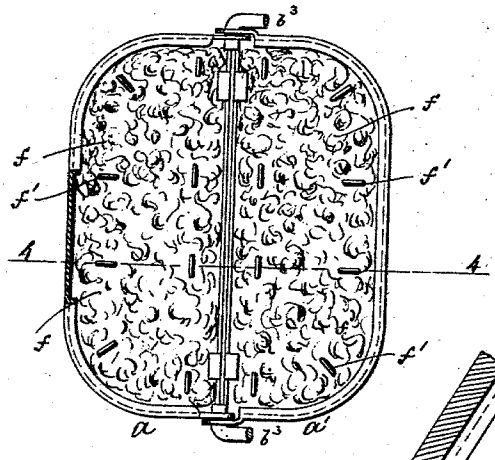

FIG. 4.

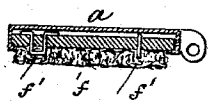

FIG. 1.

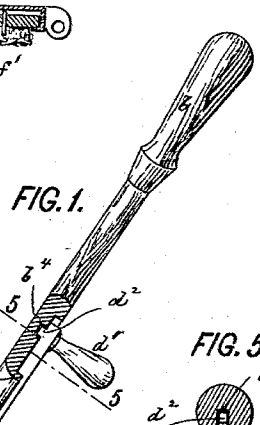

FIG. 5.

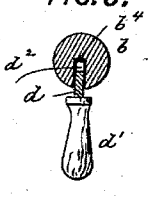

FIG. 6.

FIG. 2.

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UNITED STATES PATENT OFFICE.

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MOP.

SPECIFICATION forming part of Letters Patent No. 548,622, dated October 29, 1895.

Application filed July 5, 1895. Serial No. 554,931. (No model.)

To all whom it may concern:

Be it known that I, DE LACY E. BALLAM, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Mops, of which the following is a specification.

This invention relates to a mop the head of which is composed of two hinged sections, which are adapted to be folded and pressed against one another, so that the mop can be readily wrung out.

In the accompanying drawings, Figure 1 is a perspective view, partly in section, of my improved mop. Fig. 2 is a longitudinal section through the lower part thereof, showing the mop-head folded. Fig. 3 is a bottom view, partly in section, of the mop-head; Fig. 4, a cross-section of one-half of the mop-head on line 4 4, Fig. 3. Fig. 5 is a cross-section on line 5 5, Fig. 1; and Fig. 6 a similar section on line 6 6, Fig. 1.

The head of my improved mop is composed of two pivotally-connected sections a a', adapted to be opened or closed upon one another. The section a is rigidly connected to the handle b by means of a socket b', having three arms b^2 b^3 b^3. The longitudinal arm b^2 is riveted to the section a, while the transverse arms b^3 are bent downward and inward at their free ends, and thus constitute pivots that effect the hinge-connection between the sections a a' by passing through perforations in such sections, Fig. 3. Around the arms b^3 I may place the spiral springs c, bearing with their ends upon the sections a a' and having a tendency to fold said sections against one another. The section a' is connected to a sliding rod d, guided in a longitudinal groove b^5 of handle b and attached to the section a' by means of the pivoted arm d^3 and lug a^2. The sliding rod d is resilient and is held to the handle b by means of staples e, that permit, however, a free longitudinal movement of the rod. At or near its upper end the rod d is provided with a handle d' and with a nose or projection d^2, that enters a socket b^4 of the handle b.

The divided mop-head a a' is made of suitable construction. I have shown it to be composed of two flanged sheet-metal backs that inclose the sponges f or other mopping material. These sponges are attached to the backing by staples or drawing-wires f'.

Normally the slide d is raised and its projection d^2 is in engagement with the socket b^4. In this position, Fig. 1, the sections a a' of the mop-head are in alignment, and the mop may be used in the ordinary manner. When the mop-head is to be wrung out, the handle d' is drawn outward to disengage the projection d^2 from its socket. The slide d is now pushed down so that the sections a a' of the mop-head will fold upon one another, and are thus effectively wrung out. If the springs c are used, the folding of the mop-head will be automatically effected upon the disengagement of the nose d^2 from its seat. After the mop-head has been wrung out in the manner described, the slide d is again raised and locked to the handle. This will open the mop-head and lock it in operative position, as indicated in Fig. 1.

It will be seen that by my invention I am enabled to quickly and effectively wring out the mop by a simple manipulation of the slide and without soiling the hands by contact with the mop-head.

What I claim is—

1. A mop provided with a sectional folding head, a handle secured to one head section and a slide secured to the other head section, substantially as specified.

2. The combination of a pair of pivotally connected mop head sections, with a mortised handle secured to one section, and a resilient slide secured to the other section and having a nose which is adapted to engage the mortised handle, substantially as specified.

3. The combination of a pair of pivoted and spring actuated mop head sections, with a grooved handle secured to one section and a slide engaging the grooved handle and secured to the other section, substantially as specified.

Signed at New York, in the county of New York and State of New York, this 27th day of June, A. D. 1895.

DE LACY E. BALLAM.

Witnesses:
WILLIAM SCHULZ,
F. V. BRIESEN.