

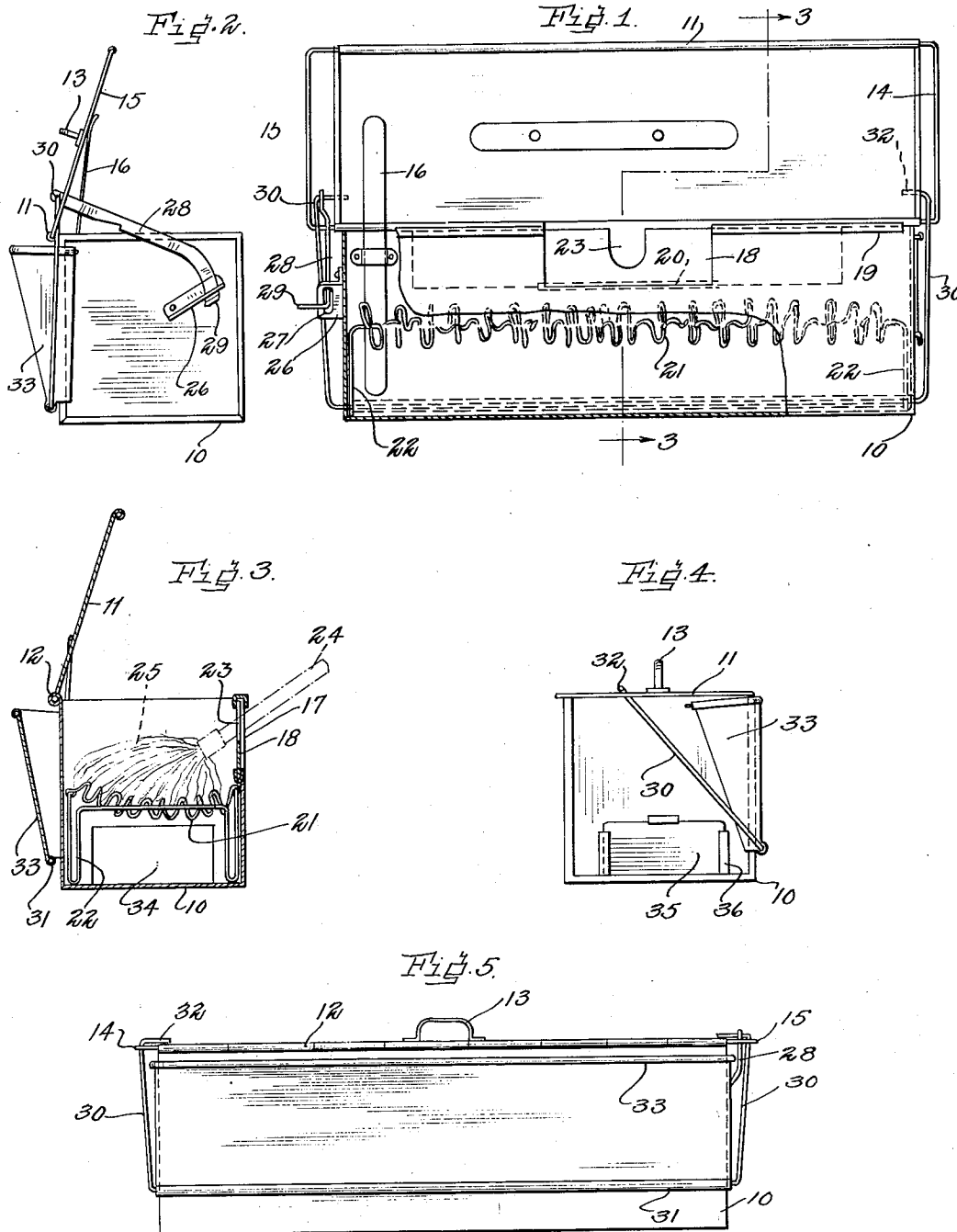
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M. SCHEMP

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MOP CLEANER

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Inventor
Max Schempp
By his Attorney
J. W. C. Heintz

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MOP-CLEANER

Max Schempp, New York, N. Y.

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1 Claim. (Cl. 220—36)

This invention relates to improvements in mop or broom cleaners, and it is the principal object of my invention to provide a cleaner in which the mop may be freed of all dirt within a closed container.

Another object of my invention is the provision of a mop cleaner of comparatively simple and therefore inexpensive construction, yet durable and efficient in operation.

A further object of my invention is the provision of a mop cleaner allowing a reciprocation of the mop within a covered housing and a ready opening and closing of the cover for said housing as well as locking of the cover in its closed position.

A still further object of my invention is the provision of a mop cleaner having attached to the rear wall of its housing a receptacle for waste paper etc., which is adapted when not in use to be folded against the rear wall of said housing.

The invention includes also a cleaning implement of peculiar construction within a housing provided with an opening closed by a slide and allowing the ready removal of the accumulated dirt and refuse.

These and other objects and advantages of my invention will become more fully known as the description thereof proceeds, and will then be specifically defined in the appended claims.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is a sectional front elevation of the mop cleaner box constructed according to my invention with the cover open.

Fig. 2 is an end view thereof.

Fig. 3 is a cross-section on line 3—3 of Figure 1.

Fig. 4 is an end view similar to Figure 2 however, seen from the opposite end.

Fig. 5 is a rear view of my device.

As illustrated, the mop cleaner comprises a box 10 to the upper edge of the rear wall of which a cover 11 is hinged, as at 12,

The cover carries a handle 13 and at its ends the loops 14 and 15 respectively for a purpose later to be described.

In its open position the cover is held by a leaf spring 16.

The front wall of the box is cut away to both sides of its median line, as at 17, and in this cut-away portion a sliding member 18 is guided with its upper edge in suitable guides 19 formed on the upper edge of the front wall of the box, the lower edge of the member 18 is guided in a

suitable groove 20 provided therefor on the inner face of the box front wall.

Within the box a cleaner element 21 composed of a plurality of wire convolutions having upwardly and downwardly directed loops is arranged, the ends of the wire being formed into feet 22 to support the element 21 in the box spaced from the bottom thereof.

The slide member 18 has formed in its upper edge a recess 23 allowing the passage of a mop or broom handle 24 after the mop 25 has been introduced into the box and engaged with the cleaner element and the cover is closed.

A bracket 26 having an opening 27 formed therein is attached to one of the end walls of the box and the end of an operating lever 28 is passed through the opening in said bracket, and formed into a pedal or foot operated member 29.

The other end of lever 28 is guided through the loop 15 and has connected thereto the upper hooked end of a rod or bar 30 adapted to engage with its upper, angularly bent ends 32 the outer face of cover 11 and hold the same in the closed position of the box against the action of leaf spring 16, extending through a suitable guide 31 formed along and in the rear wall of the box and extending therefrom at its opposite end.

This end of rod 30 is upwardly bent and formed into a hook 32 guided through a loop 14 and adapted to engage the upper face of the cover to depress the same upon the depression of member 29.

A pocket member 33 substantially V-shaped in cross-section is turnably attached at its lower edge to guide rod 31 and adapted to be guided with its upper rear edge against the rear wall of box 10 for the reception of waste paper etc.

An opening 34 in one of the end walls is adapted to be closed by a sliding door 35 sliding in suitable guides 36.

The operation of my device will be entirely clear from the above description and simultaneous inspection of the drawing, and it will be evident that a pressure exerted on the pedal 29 will unlock the cover 11 which has been held down on box 10 by the fingers 30, 32 and said cover will spring open under the action of leaf spring 16, when now the mop is introduced into the box with its handle 24 protruding through recess 23 in slide 18 and the cover is closed again, the mop can be reciprocated by its handle reciprocating slide 18, so that it is freed by the cleaner 21 from all dirt and impurities adhering thereto. Upon reopening of the cover in the

aforesaid manner, the cleaned mop can readily be removed.

It will be clear that dirt may conveniently be removed through opening 34 upon opening of slide 35, while waste paper may be deposited in the basket 33.

It will be understood that I have disclosed the preferred form of my invention only as an example of the many possible ways to practically construct the same, and that I may make such changes in the general arrangement of the cleaner as well as in the construction of the minor details thereof as come within the scope of the appended claims without departure from the spirit of my invention and the principles involved.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

In a mop cleaner, an elongated box having front, rear and end walls, a single plate cover hinged thereto at its rear edge, a pair of wire loops formed at the ends of said cover, an open wire loop guided along the rear wall of said box, hooks formed at the upper ends of said wire loop adapted to engage the outer face of said cover to normally keep the same closed, an operating lever attached at one end to one of said hooks, a pedal formed at the other end of said operating lever, a guide for said operating lever, a leaf spring for keeping the cover in its open position, the front wall of said box recessed, and a sliding member guided in front of said recess to cover the same, and having an opening formed therewith.

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