

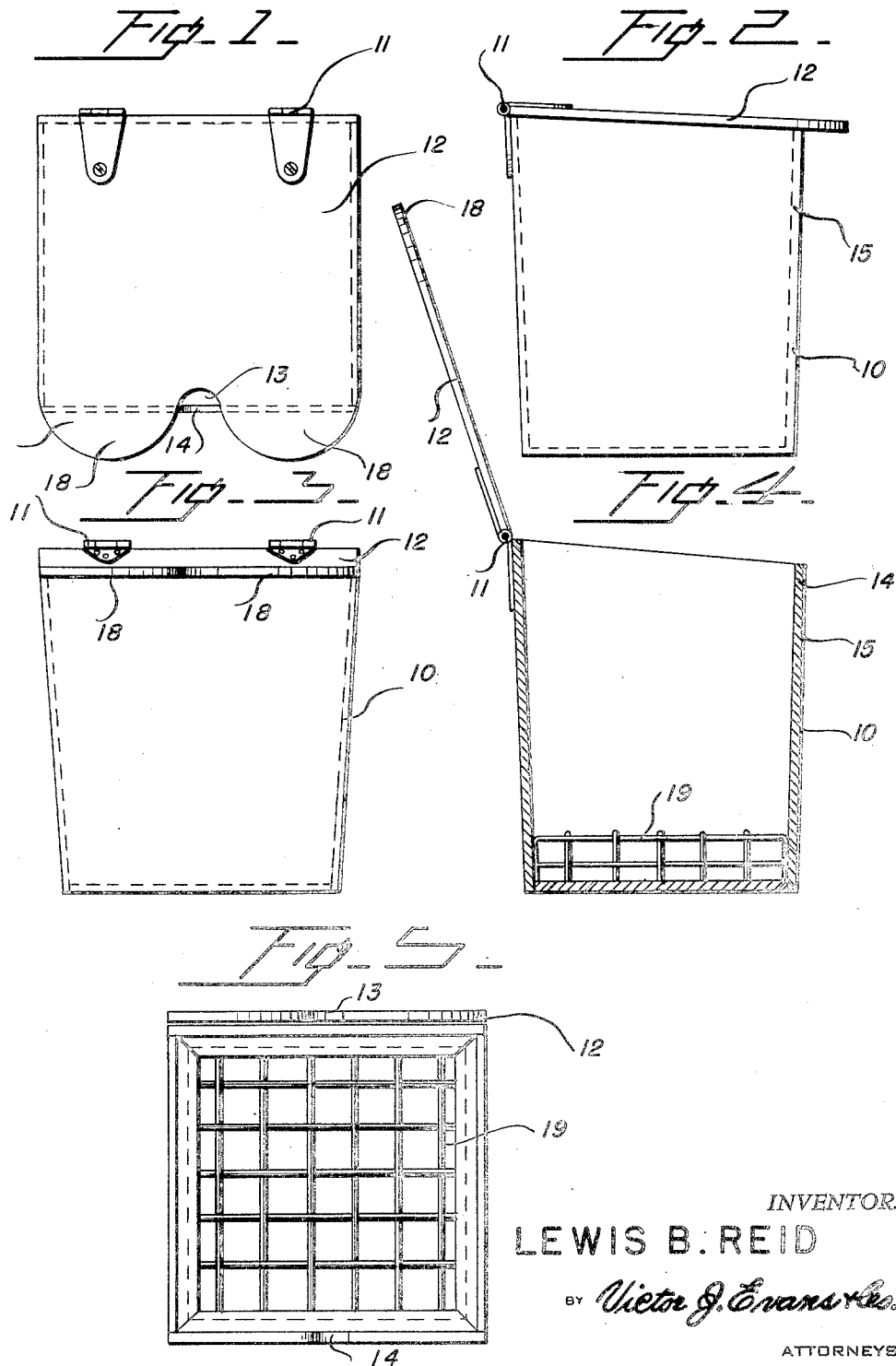
Feb. 14, 1950

L. B. REID
CLOSED RECEPTACLE INTO WHICH A MOP
MAY BE INSERTED AND SHAKEN

2,497,795

Filed Jan. 17, 1946

2 Sheets-Sheet 1



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Fig. 6.

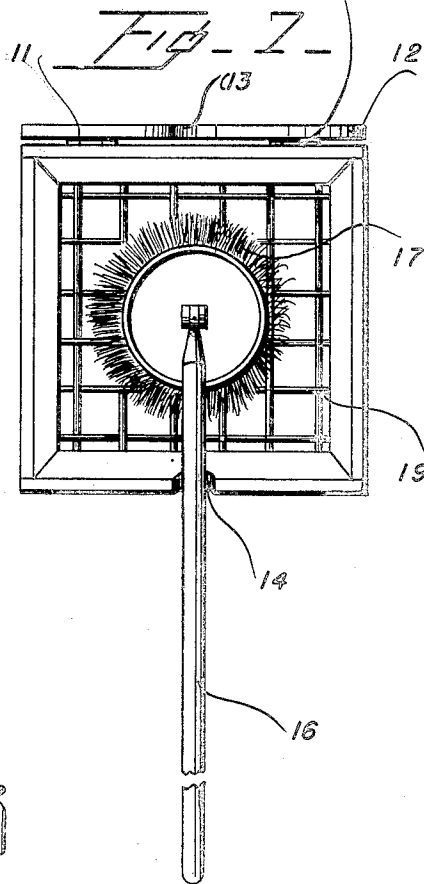
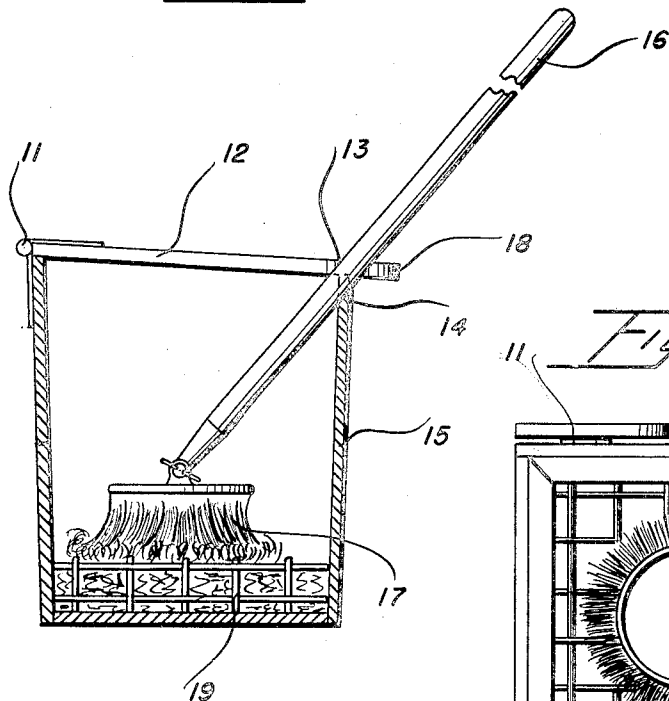
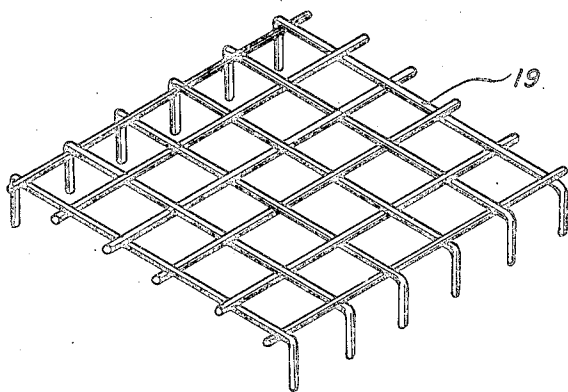


Fig. 8.



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UNITED STATES PATENT OFFICE

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CLOSED RECEPTACLE INTO WHICH A MOP
MAY BE INSERTED AND SHAKEN

Lewis B. Reid, Atlanta, Ga.

Application January 17, 1946, Serial No. 641,720

1 Claim. (Cl. 15—142)

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The invention relates to a floor mop receptacle, and more especially to a dust and dirt collector for a floor or other like mop.

The primary object of the invention is the provision of a collector of this character, wherein a floor or other like floor mop after use thereof can be inserted within such collector and on manipulation of the mop within the latter the dirt and dust on the same can be readily removed, thus eliminating the necessity of shaking the mop in the open, with resultant settling of dust and dirt on a window sill or cleaned surfaces or getting into the hair of the user.

Another object of the invention is the provision of a collector of this character, wherein the mop can be inserted or removed without manual labor required for the lifting of its closure, the mop being effective for the raising and lowering of the closure, and all dirt and dust will be deposited within such collector, to avoid scattering of such dust or dirt, when removed from the mop.

A further object of the invention is the provision of a collector of this character, wherein its construction, is novel and unique, it being light in weight to enable easy movability thereof, and is possessed of few parts, these assembled for compactness of the structure in its entirety.

A still further object of the invention is the provision of a collector of this character, which is simple in construction, thoroughly reliable and efficient in operation, strong, durable, readily portable, neat in appearance, and inexpensive to manufacture and install.

With these and other objects in view the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings, which disclose the preferred embodiment of the invention, and pointed out in the class hereunto appended.

In the accompanying drawings:

Figure 1 is a top plan view of the collector constructed in accordance with the invention.

Figure 2 is a side view.

Figure 3 is a front elevation.

Figure 4 is a vertical sectional view through the collector with the closure raised.

Figure 5 is a plan view with the closure in open position.

Figure 6 is a view similar to Figure 4 with the closure closed and a mop therein for cleaning.

Figure 7 is a view similar to Figure 5 showing the mop therein.

Figure 8 is a perspective view of the cleaner grating.

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Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail the collector constituting the present invention, comprises a box-shaped body forming a container 10, closed at its sides, ends and bottom while connected for vertical swinging movement to the body at its upper open top by hinges 11 is a lid or cover 12 forming a closure thereto, and this lid or cover at its fore edge is scalloped to provide therein a crotch 13 midway thereof matching a notch 14 provided in the uppermost frontal area 15 of the body so as to accommodate a mop handle 16 therein of a mop 17 as best seen in Figure 6 of the drawing when the lid or cover 12 is fully closed.

On opposite sides of the crotch 13 on the lid or cover 12 are protruding lips 18, designed to be engaged by the head of the mop 17 when the cover or lid 12 is closed on the body, so that the said lid or cover can be raised by the head of the mop without disturbing the body, the lips being extended beyond the front of the latter for this purpose.

Removably fitted within the body on its bottom is a grating 19 which, through a flickering action on the mop or a semi-rotating movement imparted thereto, will cause the removal of dirt and dust from the mop to deposit within the container, as should be apparent from Figures 6 and 7 of the drawings, the lid or cover in this instance being closed, and thereafter the said mop can be readily extracted from the body without manually lifting the lid or cover 12 as must be obvious.

What is claimed is:

A dust and dirt collector for receiving a mop to remove dust and dirt from the same, comprising an open-ended receptacle, having a bottom and side walls, said side walls including a front wall and a rear wall, said front wall provided with a primary notch at the open end of the receptacle extending from an edge of said front wall toward said bottom, a closure member having the rear edge thereof pivoted to said receptacle at said rear wall thereof and, a pair of lips on said closure member extending therefrom and adapted to overhang said front wall when said closure member is in a closed position, said lips being adapted to be slidably engaged by the mop for lifting said closure member for opening said receptacle, said closure member having a secondary notch extending from an edge of said closure member intermediate said lips and toward the pivoted por-

tion of said closure member, said lips having curved guiding edges merging with the edges of said secondary notch whereby said guiding edges guide the handle of the mop, when using the same to lift said closure member into an opening position, into said secondary notch and to direct the mop handle into said primary notch when said closure member is moved to a closing position whereby the mop may be slid into the receptacle for agitation therein to free the mop from dust and dirt, said secondary notch, when the closure member is closed, lying in a plane at an angle to that containing said primary notch and in register therewith to form an opening adapted to accommodate the mop handle to prevent substantially the escape of dust and dirt from the container during agitation of the mop to remove dust and dirt therefrom.

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