R. L. McKAY.

RENOVATOR AND DUST COLLECTOR.

APPLICATION FILED JAN. 13, 1917.

1,253,264.

Patented Jan. 15, 1918.

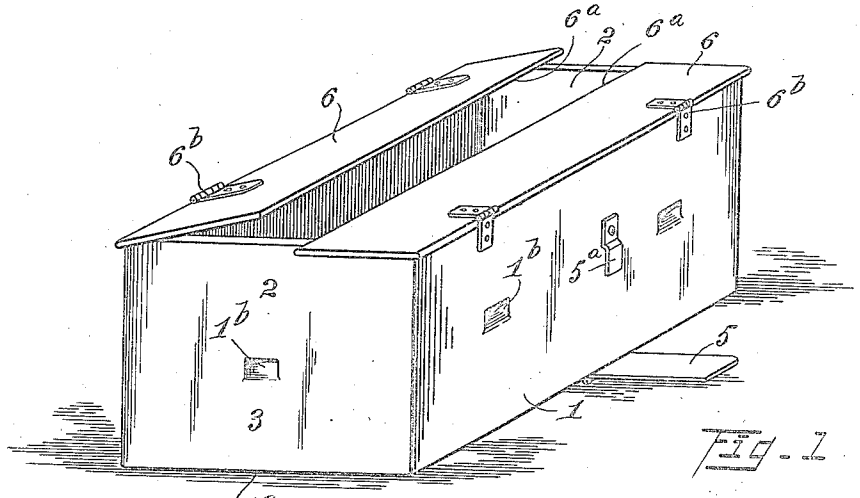


Fig. 1

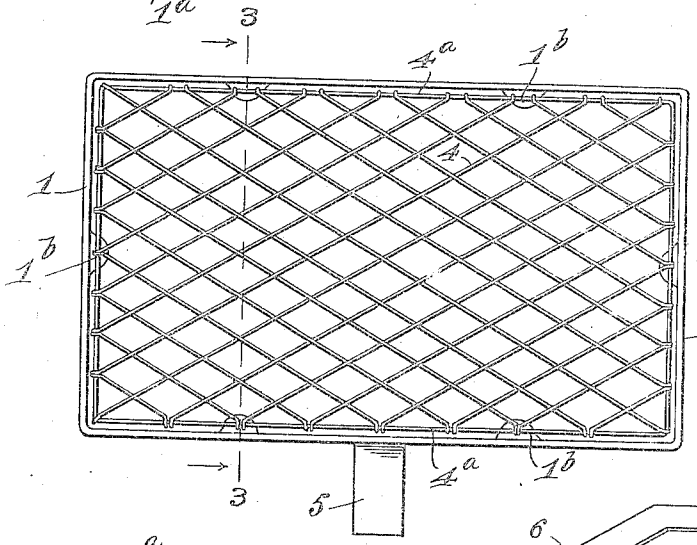


Fig. 2

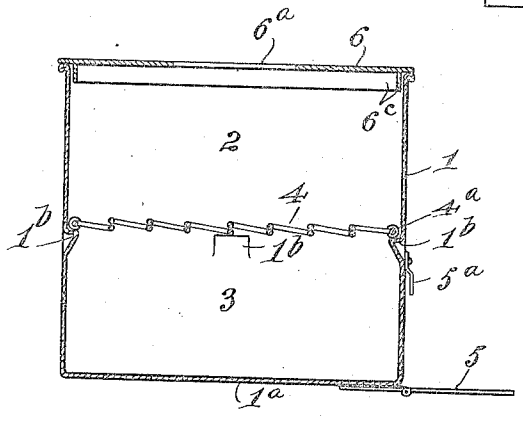


Fig. 3

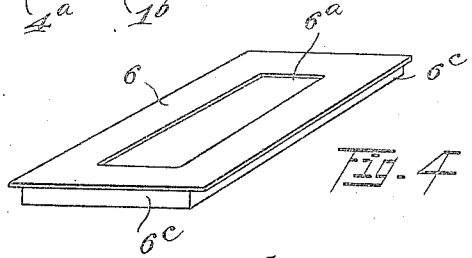


Fig. 4

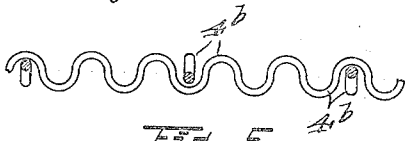


Fig. 5

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# UNITED STATES PATENT OFFICE.

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## RENOVATOR AND DUST-COLLECTOR.

1,253,264. Specification of Letters Patent. Patented Jan. 15, 1918.

Application filed January 13, 1917. Serial No. 142,137.

*To all whom it may concern:*

Be it known that I, RETTA L. McKAY, a citizen of the United States, residing at Newburgh, in the county of Orange and State of New York, have invented certain new and useful Improvements in Renovators and Dust-Collectors, of which the following is a specification.

My invention relates to improvements in renovators and dust collectors, the present embodiment of the invention being particularly designed and adapted for use in the renovation or cleaning of what are known as "dustless" floor mops and sweepers, the improved device being adapted not only to effectually remove the dust from such articles but to provide a sanitary dust receiving and containing receptacle for the dust removed therefrom.

The primary object of the invention is to provide a generally improved device of this class which will be exceedingly simple in construction, cheap of manufacture, and efficient in use.

A still further object of the invention is the provision of an improved receptacle provided with an improved removable cleaner member or screen dividing the receptacle into communicating article and dust receiving chambers, the latter being adapted to receive and contain a suitable sterilizing liquid or agent, or, if desired, water may be placed in such dust receiving and containing chamber and be heated to a boiling point.

With the above mentioned and other ends in view, the invention consists in the novel construction, arrangement, and combination of parts, hereinafter described, illustrated in one of its embodiments in the accompanying drawings, and particularly pointed out in the appended claim.

Referring to the drawings, forming a part of this specification, Figure 1, is a perspective view of the improved device in position for use.

Fig. 2, a top plan view of the same.

Fig. 3, a cross sectional view taken on line 3—3 of Fig. 2.

Fig. 4, a perspective view of the modified form of removable cover, this form of cover being also shown in Fig. 3, of the drawings.

Fig. 5, a detailed fragmentary view of a modified form of cleaner screen showing the use of corrugations or cleaner loops between the intersecting portions of the cross wires thereof.

Similar numerals of reference designate like parts throughout all the figures of the drawings.

The improved renovator and dust collector comprises a suitable receptacle 1, in the present instance, of rectangular form and is provided with a closed bottom $1^a$.

The improved receptacle 1, is divided into communicating article and dust receiving chambers 2, and 3, respectively, by means of an improved removable cleaner member or screen 4. The cleaner member 4, may be formed of suitable foraminous material such, as for example,—as suitable cross wires mounted on a frame $4^a$. The wires comprised in the cleaner member or screen 4, are preferably provided with brush engaging and cleaning loops $4^b$, as shown most clearly in Fig. 5, of the drawings.

As a means of removably supporting the cleaner member 4, in proper position within the receptacle 1, the side walls of the latter are preferably provided with supporting lugs $1^b$, which latter may be struck out of the material of the side walls as shown most clearly in Fig. 3, of the drawings.

As a means of securing or anchoring the article or device while the mop or article being cleaned is reciprocated upon the cleaner member 4, and within the article receiving cleaner chamber 2, the bottom of the receptacle 1, is preferably provided at one side with a hinged flap 5, adapted to be folded down upon the floor as shown in Figs. 1, 2, and 3, of the drawings, and to be engaged by the foot of the operator while the mop or article is being cleaned, and when not in use, said hinged flap or member 5, is adapted to be folded up and to be engaged in such position by means of the button $5^a$, in an obvious and well understood manner.

The improved receptacle is preferably provided with a removable or slotted cover 6. The cover 6, may either take the form shown in Fig. 1, or the form shown in Figs. 3, and 4, of the drawings.

As a means of enabling the article or mop being treated to be reciprocated within the cleaner chamber 2, and upon the cleaner member 4, the cover 6, is provided with a handle receiving slot or opening $6^a$. In the form shown in Fig. 1, of the drawings the parts are secured to the sides of the body or receptacle 1, by means of hinges $6^b$, so that the parts of the cover may be removed or folded back to receive the mop or article in-

troduced into the chamber 2, preparatory to cleaning, while in the form of cover shown in Figs. 3, and 4, of the drawings, the cover 6, may be slipped over the handle of the mop or handled article to be cleaned and then after the mop or article is introduced into the chamber 2, the latter cover 6, may be secured in the position shown in Fig. 3, of the drawings through the medium of the depending flange $6^c$, which fits into the upper marginal edges of the receptacle or body 1, so that the article may be readily reciprocated over and above the cleaner member or screen 4, in an obvious and well understood manner. If desired the dust receiving chamber 3, may be provided with a suitable disinfecting agent, or after dust has been collected in the chamber 3, hot water may be introduced therein, or water may be placed therein and the receptacle heated until the water is brought to a boiling point.

From the foregoing description, taken in connection with the accompanying drawings, the operation and advantages of my invention will be readily understood.

Having thus described one of the embodiments of my invention, what I claim and desire to secure by Letters Patent, is.—

A renovator and dust collector, comprising a rectangular receptacle, a foraminous cleaner member removably mounted therein forming conjointly therewith a dust receiving chamber, and a removable cover placed above said cleaner member forming an article receiving cleaner chamber, said cover providing a handle receiving slot whereby the article being treated may be reciprocated in said cleaner chamber.

In testimony whereof I have affixed my signature in the presence of two witnesses.

RETTA L. McKAY.

Witnesses:

CORNELIA YOUNGS,

ARTHUR YOUNGS.