

W. A. LEE.
DUST RECEIVER FOR VACUUM CLEANERS.
APPLICATION FILED OCT. 29, 1910.

1,010,646.

Patented Dec. 5, 1911.

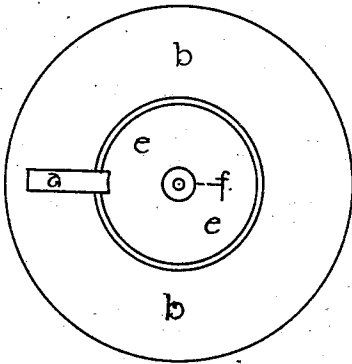


FIG. 2

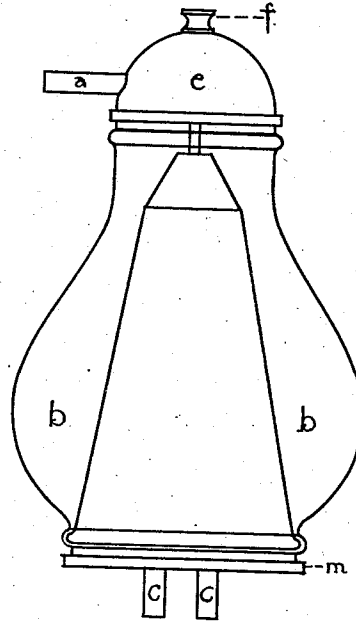


FIG. 1

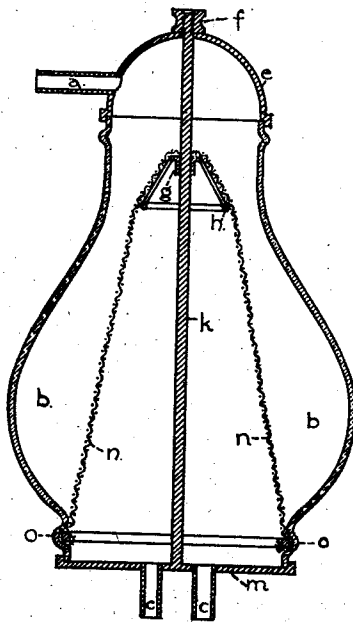


FIG. 3.

Witnesses
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DUST-RECEIVER FOR VACUUM-CLEANERS.

1,010,646.

Specification of Letters Patent.

Patented Dec. 5, 1911.

Application filed October 29, 1910. Serial No. 589,788.

To all whom it may concern:

Be it known that I, WILLIAM A. LEE, citizen of the United States, residing at Boston, in the county of Suffolk and the State of Massachusetts, have invented a new and useful dust-receiver for vacuum-cleaners that can be attached to any machine and at any point between the foot-piece or floor-tool and the pump, fan, or other device used for providing the vacuum.

This invention relates to improvements in dust receptacles for vacuum cleaners, and its object is to construct such a receptacle of glass or other transparent material, so that the contents thereof are visible at all times.

Another object of the invention is to construct a dust receptacle for vacuum cleaners whereby the dust is collected on the outside instead of on the inside of a bag through which the air is sucked.

With the above and other objects in view, I have invented the dust receptacle illustrated in the accompanying drawings in which,

Figure 1 is a side elevation thereof, Fig. 2 is a top plan view thereof, and Fig. 3 is a vertical longitudinal cross sectional view thereof.

Referring to the drawings *m* is a base into which sets a glass case *b*, which is provided with a metal cap *e*.

a is a pipe through which dust laden air is drawn into the glass case through the cap *e*. The dust settles around the bag or screen *n* and the cleansed air passes there-through and exits through the pipes *c*. The bag *n* is held in the base *b* at its open end by means of an expanding steel spring *p*,

around which the bag is secured, and which fits into the groove *o* of the case *b* and is held thereby into place.

The closed end of the bag is held up by a frame work *h*, which is supported by a sleeve *g* affixed to the rod *k*. This rod *k* acts as a tie rod by which all parts of the device are held together and extends from the base *m* through the bag *n* and cap *e* and is securely held in place by the nut *f*, which is screw threaded to the projecting end of the rod *k* and screws down tightly onto the cap *e*. Washers are used where necessary to make the compartment absolutely air tight.

I claim and desire to secure by Letters Patent:—

A device of the kind described comprising a base having an upstanding rod, a cylindrical globe mounted on said base, a cap overlying said globe and carrying an inlet conduit, outlet conduits depending from said base and communicating with the globe, a filtering mantle, an annular roof of smaller diameter than said globe carried by said rod below the inlet conduit from which the mantle is suspended, said globe formed above said base with an annular groove, an expanded ring clamping the bottom of the mantle into said groove and stretching said mantle taut, said rod protruding through the cap, and a clamping nut engaging the protruding portion of said rod and said cap to hold the cap and globe joined.

WILLIAM A. LEE.

Witnesses:

PATRICK SULLIVAN,
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