Sept. 5, 1939. C. L. LA JEUNESSE 2,171,754

DUST DISPOSAL DEVICE FOR VACUUM CLEANERS

Filed Nov. 25, 1935

Fig. 1.

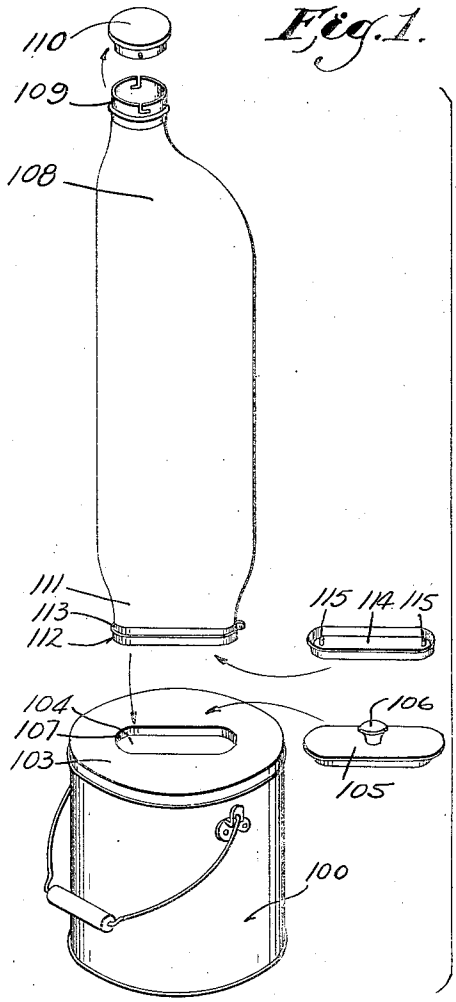


Fig. 2.

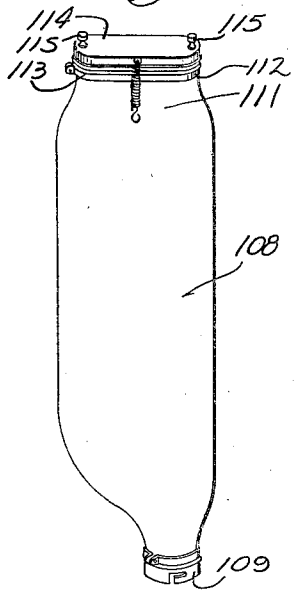
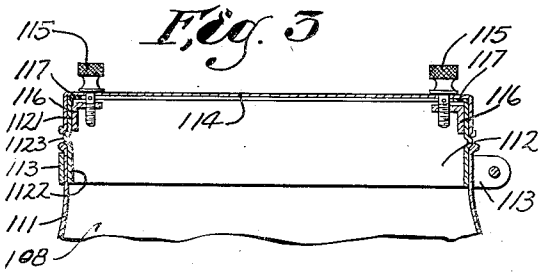


Fig. 3



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DUST DISPOSAL DEVICE FOR VACUUM CLEANERS

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2 Claims. (Cl. 150—3)

My invention relates to improvements in dust disposal devices for vacuum cleaners.

The object of my invention is to provide a readily usable container and dust disposal bag so equipped with an adapter as to make it readily attachable to outlets of a vacuum cleaner bag, whereby to facilitate the transfer of dirt and dust from the vacuum cleaner bag to my device.

Another object of my invention is to provide a device of the class described which is universally adaptable to any vacuum cleaner bag.

In the drawing:

Fig. 1 is a perspective of a form of dust disposal container and showing the various parts of the container and of a vacuum cleaner dust bag and fittings to be used in conjunction therewith.

Fig. 2 is a perspective of the vacuum cleaner dust bag with my special closure member for the upper portion thereof.

Fig. 3 is an enlarged vertical section through the upper portion of the structure shown in Fig. 2.

Like parts are designated by the same reference characters throughout the several views.

Any vacuum cleaner dust bag 108 which is attachable to its vacuum cleaner by means of a bayonet fitting 109 may be provided with a plug 110 to be inserted in the fitting 109 when the dust bag is removed from the vacuum cleaner. At the other, normally the upper, end 111, of the vacuum cleaner dust bag, the manufacturer usually provides a clamp to hold in dust-tight relationship the folding upper end 111. However, I provide in place of the usual clamping means a special adapter 112 shaped with one "flange" 1121 to fit perfectly the flange 107 in the cover 103 of the dust disposal container 100 and another flange 1122 to fit inside the margins of a vacuum cleaner bag. A bead 1123 is riveted between the flanges. I clamp the upper margins of the vacuum cleaner dust bag to my adapter 112 by means of a clamping ring 113 and the vacuum cleaner dust bag 108 may be removed from the vacuum cleaner by disengaging the bayonet fitting 109, the plug 110 may be placed in the bayonet fitting 109 to effectually close its opening, and the vacuum cleaner dust bag may then be inverted so that my adapter 112 may be placed in frictional engagement in the flange 107 for a dust disposal operation.

When a vacuum cleaner bag 108 fitted with my adapter 112 is installed upon a vacuum cleaner for a normal cleaning operation, an adapter cover 114 shown most clearly in Fig. 3, is fitted over the adapter 112 and is secured thereto by means of thumb screws 115 which are receivable in L brackets 116. A gasket at 117 provides dust-tight closure of the cover 114 upon the adapter 112.

I claim:

1. A vacuum cleaner dust bag provided with an adapter fitted to connect it with a vacuum cleaner whereby dust may be receivable into the bag, and a dust emptying orifice spaced from said adapter provided with a ribbed marginal fitting to engage the bag, a clamping ring to secure the fitting upon the bag, said fitting being provided with inwardly projecting brackets, and a cover receivable upon the fitting in dust tight relation and provided with thumb screws to engage the brackets whereby upon removal of the cover to provide an opening for dust disposal.

2. A vacuum cleaner dust bag provided with an adapter fitted to connect it with a vacuum cleaner whereby dust may be receivable into the bag, and a dust emptying orifice spaced from said adapter provided with a ribbed marginal fitting to engage the bag, a clamping ring to secure the fitting upon the bag, said fitting being provided with inwardly projecting brackets, a cover receivable upon the fitting in dust tight relation and provided with thumb screws to engage the brackets whereby upon removal of the cover to provide an opening for dust disposal, and means mechanically associated with said cover whereby to hang the bag therefrom.

CLIFFORD L. LA JEUNESSE.