

A. M. ECKENROD.
DUST BAG.
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Patented Feb. 20, 1917.

Fig. 1

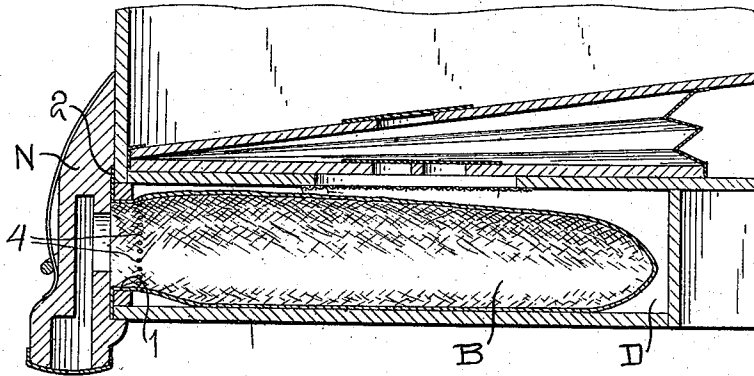
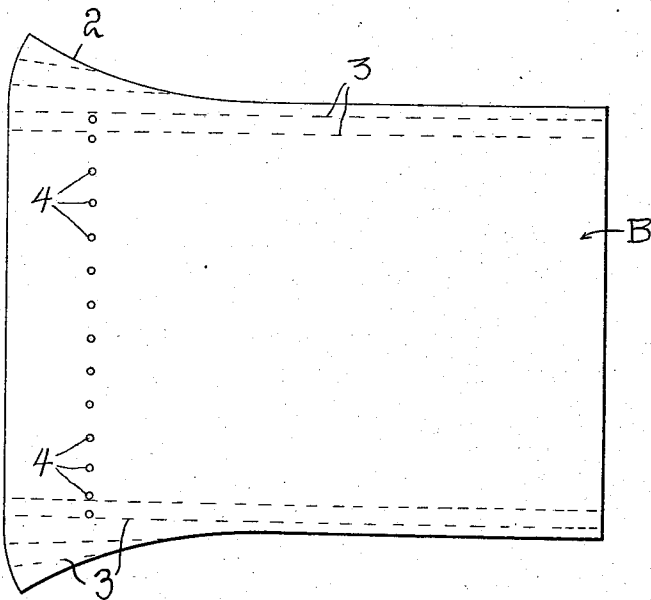


Fig. 2

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DUST-BAG.

1,216,787.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANNA M. ECKENROD, a citizen of the United States, residing at Altoona, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in Dust-Bags, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to certain improvements in dust bags and has relation more particularly to a device of this general character especially designed and adapted for use in connection with vacuum cleaners; and it is an object of the invention to provide a device of this general character having novel and improved means whereby the same may be conveniently and effectively applied to or removed from a dust bag.

20 The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved dust bag whereby certain important advantages are attained and the device is rendered simpler, less expensive and otherwise more convenient and advantageous for use, all as will be hereinafter more fully set forth.

30 The novel features of the invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein—

35 Figure 1 is a fragmentary view in section illustrating a dust bag constructed in accordance with an embodiment of my invention and in applied position; and

40 Fig. 2 is a view in plan of my improved dust bag, detached, and in a flattened state.

As disclosed in the accompanying drawings, D denotes the dust box of a vacuum cleaner provided at one end with the entrance or insertion opening 1 through which the dust bag B is adapted to be applied or removed. I wish it to be understood that it is not my purpose to limit myself to any particular form of vacuum cleaner as the vacuum cleaner *per se* forms no part of my present invention.

My improved dust bag is formed of suitable material and has its open end flared

outwardly, as indicated at 2, so that when the bag is inserted within the dust box D, the open-end marginal portions thereof may be readily and conveniently folded to afford a tight engagement between said open end of the bag and the outer wall of the dust box as is particularly shown in Fig. 1. By having the open end of the bag flared as disclosed in Fig. 2, it will be perceived that when the nozzle N is in applied position, the bag B will be effectively clamped in applied position and that when said nozzle N is removed the bag may be readily and conveniently withdrawn and if desired said bag together with its contents may be burned, as it is to be understood that the bag is not intended for use after it has once been substantially filled.

It is also preferred that the longitudinal marginal portions of the bag be creased or folded as indicated by dotted lines at 3 in Fig. 2 so that the width of the bag may be conveniently reduced in order to facilitate its insertion within the dust box through the entrance opening 1 thereof and so that the portion of the bag within the dust box D may be readily expanded.

The bag B is preferably formed of paper and at a predetermined point inwardly of its open end is provided with a transverse series of restricted openings or perforations 4 through which the air is drawn. While the air is drawn through the perforations 4 it has been fully demonstrated in practice that the dirt drawn through the opening 1 will be collected within the bag B.

From the foregoing description, it is thought to be obvious that a dust bag constructed in accordance with my invention is of an extremely simple and comparatively inexpensive nature and is particularly well adapted for use by reason of the convenience and facility with which it may be assembled, and it will also be obvious that my invention is susceptible of some change and modification without material departure from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice, except as hereinafter claimed.

I claim:

1. A dust bag for vacuum cleaners provided with perforations at a predetermined point inwardly of its open end, the remaining points of the bag being imperforate.
- 5 2. A dust bag for vacuum cleaners provided with a transversely disposed series of perforations at a predetermined point in-

wardly of its open end, the remaining portions of the bag being imperforate.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

ANNA M. ECKENROD.

Witnesses:

J. H. HEMPHILL,
S. H. ECKENROD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."