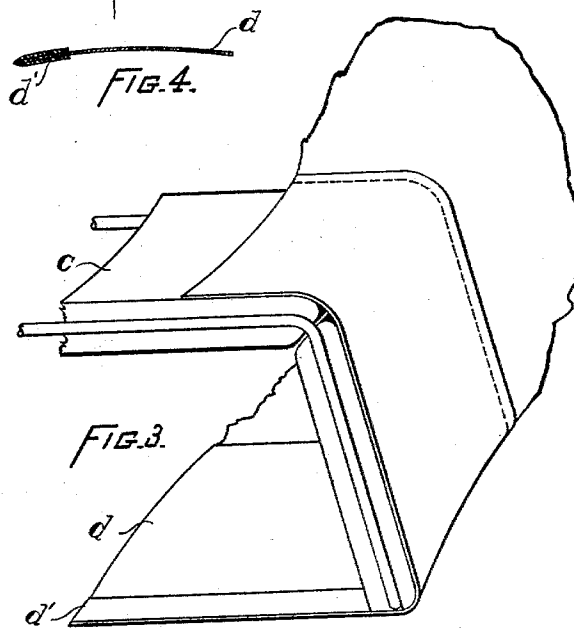
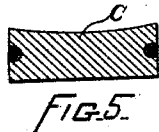
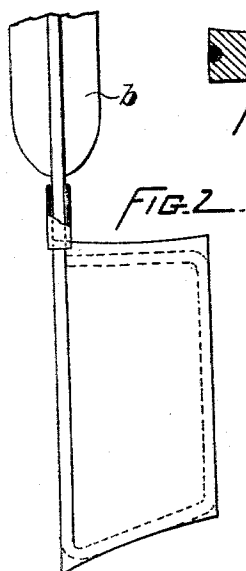
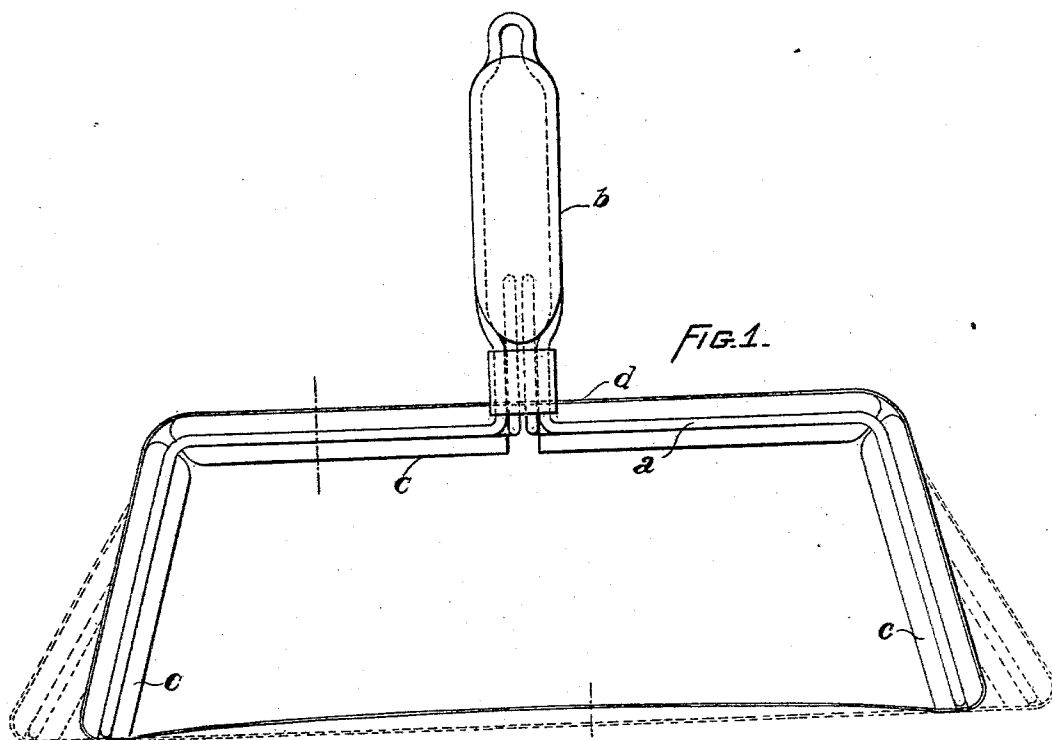


(No Model.)

D. HUNT.
DUST BAG.

No. 569,830.

Patented Oct. 20, 1896.



WITNESSES.
Harry O. Robinson.
J. H. Hunt.

INVENTOR.
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by A. J. Hayes atty.

UNITED STATES PATENT OFFICE.

DAVID HUNT, OF BOSTON, MASSACHUSETTS.

DUST-BAG.

SPECIFICATION forming part of Letters Patent No. 569,830, dated October 20, 1896.

Application filed February 27, 1896. Serial No. 581,041. (No model.)

To all whom it may concern:

Be it known that I, DAVID HUNT, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Dust-Bags, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

In another application, filed by me September 4, 1895, Serial No. 561,401, a supporting-frame with an attached handle is shown adapted to be used as the supporting-frame of a dust-bag, it being constructed and arranged in such manner that a flexible bag may be connected with it. This frame comprises, essentially, a top portion and two side portions, the handle being connected with the top portion at or near the middle, and when the frame is used as a supporting-frame for a dust-bag the lower ends of the side portions are connected by a strip which serves as a lip over which the dirt is swept, and the flexible bag will be attached to the frame and to this connected strip. Owing to irregularities of floors, &c., it is frequently very difficult to collect the dirt, and it is the object of this invention to so construct the dust-bag that the lip or edge over which the dirt is swept may be made to conform to the irregularities in the floors, &c.; and to this end the invention consists in making the supporting-frame elastic or extensible and combining with it a flexible lip or edge strip which may be drawn and held taut by said elastic or extensible frame, and thus made to conform to the irregularities by pressure upon the frame, such, for instance, as may be applied to the handle. Such a flexible lip or edge strip may be made of canvas or other material having along its front edge a metallic lip or binding, and said flexible strip may be connected with the ends of the elastic supporting-frame, to be drawn and held taut by extending said frame by pressure on the handle.

Figure 1 shows in front elevation a dust-bag embodying this invention; Fig. 2, a side elevation of the dust-bag shown in Fig. 1; Fig. 3, a perspective view of a portion of the frame and flexible edge strip or lip applied thereto; Fig. 4, a cross-section of the flexible edge strip or lip taken on the dotted line $x x$, and Fig. 5 a cross-section of one of the blocks

forming a part of the elastic supporting-frame.

The elastic supporting-frame is herein shown as made of wire and bent to comprise a top portion a and two side portions $a' a^2$, each composed of parallel wires, and the handle b is attached to the middle of the top portion. Between the wires of the top and side portions suitable blocks c , of wood or other material, are placed, they being formed with side grooves or otherwise formed to receive the wires, and being also preferably formed with a concaved recess upon the outer side. There may be as many of these blocks as desired and they may be disposed in any desirable way. A canvas or other flexible strip d , herein shown as a belt, is passed entirely around the supporting-frame thus formed, being held particularly by the blocks, and this strip d along the front edge thereof between the lower ends of the side portions of the frame has attached to it a metal lip d' , which may be applied as a binding. If this metal strip or binding is made of tin or brass it will be more or less flexible. This lip or binding may be made in many different ways and applied to the flexible strip in many different ways, all coming within the spirit and scope of my invention.

The side portions $a' a^2$ of the supporting-frame project outwardly from the top portion, the space between them gradually increasing toward their lower ends, and when the supporting-frame is resting on the floor and pressure applied upon the handle the lower ends of these side portions $a' a^2$ will separate and draw the belt or strip d between them taut, as shown by dotted lines, Fig. 1, and the flexible strip will then conform to the irregularities of the floor. The concaved formations in the blocks give to the flexible strip d a corresponding transverse curvature, which, when drawn taut, throws the metallic edge d' downward, as shown in Fig. 4.

The flexible bag e is or may be attached to the canvas strip d or to the frame in any desirable way, and, furthermore, a metallic or other pan may be hinged or otherwise attached to the rear edge of the strip or to the frame.

I do not desire to limit my invention to the particular way herein shown of constructing

or of attaching the strip to the frame, as my invention broadly comprehends the combination of a flexible strip and an elastic or extensible frame.

- 5 While that portion of the belt between the lower ends of the side portions a' a^2 which carries the metallic edge may be made of canvas, leather, or other flexible material, the remaining portion of the belt inclosing the
10 frame may consist of wire or of any lacing material.

I claim—

1. The dust-bag or dust-pan herein described, having an extensible supporting-
15 frame and a flexible lip or edge strip connected thereto, and adapted to be drawn and held taut by extending said supporting-frame, substantially as described.

2. The dust-bag or dust-pan herein described, having an elastic supporting-frame,
20 and a flexible lip or edge strip connected thereto, and curved longitudinally, and adapted to be straightened out by extending said frame, substantially as described.

- 25 3. The elastic supporting-frame comprising a top portion and two outwardly-projecting side portions, a handle attached to the top portion, and a flexible lip or edge strip connected with said frame and adapted to be

drawn and held taut between the lower ends 30 of the side portions by pressure upon the frame, substantially as described.

4. The extensible supporting-frame, comprising a top portion and two outwardly-projecting side portions a' a^2 , a handle attached 35 to the top portion, and a flexible lip or edge strip consisting of a metallic edge, and a belt to which it is applied, said strip being supported upon said frame and adapted to be drawn to conform to irregularities by pres- 40 sure upon the frame, substantially as described.

5. The extensible supporting-frame, comprising a top portion and two outwardly-projecting side portions a' a^2 , a handle attached 45 to the top portion, and a belt encircling the frame, and having a metallic edge between the lower ends of the side portions, and a flexible bag attached to said belt, substantially as 50 described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID HUNT.

Witnesses:

B. J. NOYES,
F. H. DAVIS.