

(No Model.)

D. HUNT.
DUST PAN.

No. 569,829.

Patented Oct. 20, 1896.

FIG. 1-

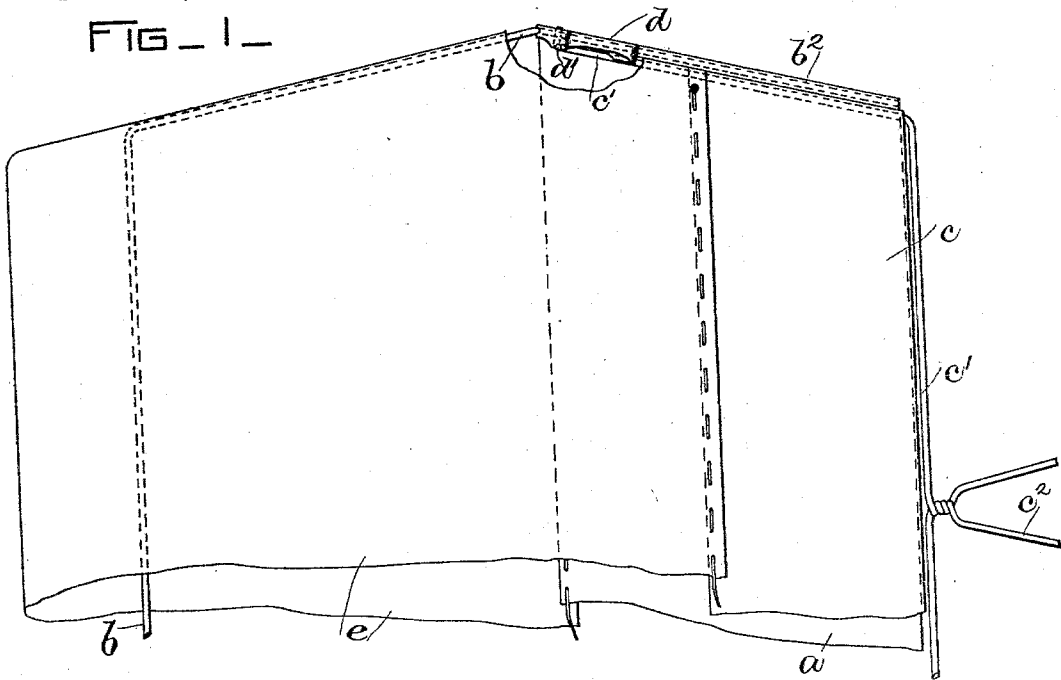


FIG. 2-

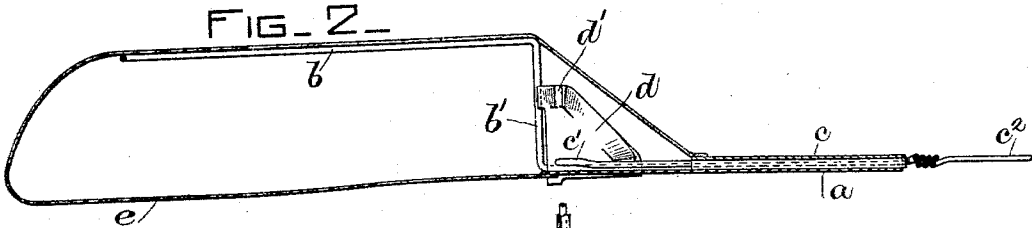
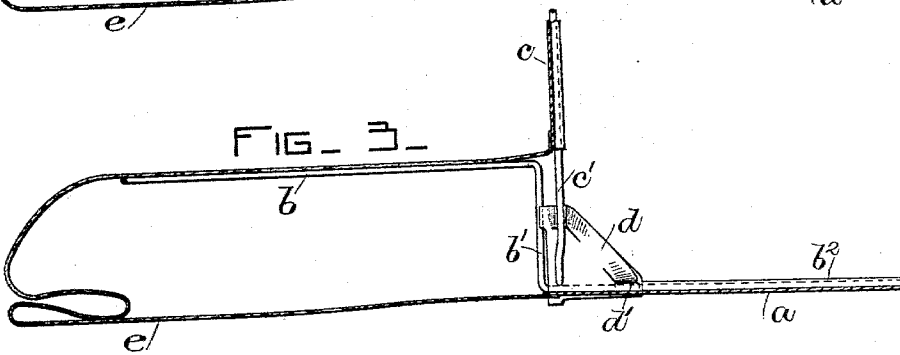


FIG. 3-



WITNESSES

F. H. Harris
Allene

INVENTOR

David Hunt
by B. J. Hayes
Att'y.

UNITED STATES PATENT OFFICE.

DAVID HUNT, OF BOSTON, MASSACHUSETTS.

DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 569,829, dated October 20, 1896.

Application filed December 16, 1895. Serial No. 572,248. (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-Pans, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to improve the construction of dust-pans; and it consists in certain details of construction, as will be hereinafter set forth.

Figure 1 shows in plan view a sufficient portion of a dust-pan embodying this invention; Fig. 2, a cross-section of the dust-pan, its mouth or entrance being closed; and Fig. 3, a similar cross-sectional view, the mouth or entrance being opened.

a represents a bottom piece or lip which is made substantially flat and arranged at the front edge of the dust-pan. This lip or plate is made of any suitable width, and its length corresponds to the width of the dust-pan.

A bail-shaped wire frame is attached to or connected with the lip or plate *a*, it being composed of a piece of wire bent to form a more or less U-shaped portion *b* (see dotted lines, Fig. 1) and short vertical portions *b'* at each side or end thereof and horizontal arms *b²*. The lip or plate *a* is connected to the arms *b²*, as, for instance, by bending the side edges of said lip or plate over the arms, as represented in Fig. 1.

A top plate or handle portion *c* is pivotally connected to the lower part or frame, it being herein represented as consisting of a flat plate having a wire binding *c'* along its side edges, and also along the outer edge, said wire being bent or formed into a handle, or into such shape as may form a coöperative part of a handle, as at *c²*.

The ends of the wire are extended a short distance beyond the rear or inner edge of the plate to engage the pivotal connection.

While many forms or constructions of pivotal connections may be employed, I have herein represented one simple form, consisting of a more or less triangular-shaped plate *d*, having a hole through it which receives the inner end of the horizontal arm *b²* of the bail-shaped frame, and also having upon its inner side or face two grooves *d'*, arranged

about ninety degrees apart, more or less, and near the lower end a hole is formed through which passes the end of the wire *c'*, which is bent outwardly at such point to form a pivot. There will be such a triangular plate at each side of the pan. The handle portion is thus pivoted to the plates *d*, and as the grooves receive and hold the wires said handle portion may be held either open or closed.

By placing the plates *d* on the horizontal arms *b²*, as shown, it will be seen that they may have formed on them props or feet for the rear end of the lip *a*, elevating said end a short distance above the floor.

The U-shaped part of the bail-shaped frame *b* is inclosed in a flexible bag *e*, the upper front edge of which is connected with the top plate *c* and the lower front edge of which is connected with the bottom piece *a*, preferably in a detachable manner—as, for instance, the front edge of the bag *e* may have eyelet-holes, and the rear edges of the upper and under plates may also have holes formed in them, and by means of a cord passing through said holes said bag may be attached; but many other forms of fastenings may be employed.

The bail-shaped frame, it will be seen, keeps the flexible bag or dirt-receptacle *e* out in proper position, and by pivoting the top piece or plate having a handle to the lower part a two-part pivoted frame is provided adapted to open and close the mouth of the bag or dirt-receptacle.

I claim—

1. The dust-pan herein described, consisting of the flexible bag *e*, and a two-part frame connected to the mouth thereof, one part of which has a handle and the other a lip, *a*, of a length corresponding to the width of the dust-pan, said parts being pivotally connected together, and thus adapted to open and close the mouth of said bag, and means for holding said two-part frame open.

2. The dust-pan herein described, consisting of the flexible bag *e*, a two-part frame connected to the mouth thereof, one part of which has a handle and the other a lip, and pivotal connections for said parts of the frame thus adapting it to open and close the mouth of said bag, and a bail-shaped support for said bag *e* attached to the lip portion of the two-part frame.

3. The dust-pan herein described, consisting of the flexible bag *e*, and a two-part frame connected to the mouth thereof, one part of which has a handle and the other a lip, said parts being pivotally connected together, and thus adapted to open and close the mouth of said bag, and the plate *d* having formed thereon feet for elevating the rear end of the lower part of said two-part frame.
- 10 4. The dust-pan herein described, consisting of the flexible bag *e*, a two-part pivoted frame at the mouth thereof comprising the lip *a*, the handle portion *c*, and the plates *d* fixed to the lip, to which said handle portion
- 15 is pivoted, substantially as described.

5. The dust-pan herein described, consisting of the flexible bag *e*, a two-part pivoted frame at the mouth thereof comprising the lip *a*, the handle portion *c*, and the plates *d* fixed to the lip, to which said handle portion is pivoted, said plates having grooves *d'*, substantially as 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.