F. L. Daniels.

Dust Pan.

No. 97,276. Patented Nov. 30, 1869.

Fig. 1.

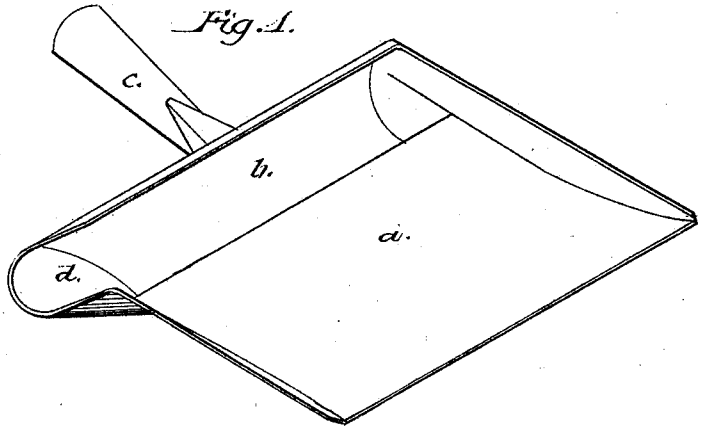
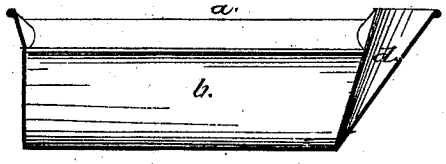


Fig. 2.



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FRANCIS L. DANIELS, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 97,276, *dated November* 30, 1869.

IMPROVED DUST-PAN.

The Schedule referred to in these Letters Patent and making part of the same.

To all to whom these presents shall come:

Be it known that I, FRANCIS L. DANIELS, of Boston, in the county of Suffolk, and State of Massachusetts, have invented a new and useful Improvement in Dust-Pans for Housekeeping-Purposes; and do hereby declare the following to be a full, clear, and exact description thereof, due reference being had to the accompanying drawings, making part of this specification, and in which—

Figure 1 is a perspective view, and

Figure 2, a transverse section of my invention, the latter figure being taken through its dirt-receiving and discharging-trough.

The object of this invention is to provide a receptacle for dust and dirt taken up upon a dust-pan, and by removing such dirt from the inclined flat portion or body of the pan, allow much more dirt to be collected by it than would otherwise be the case, the peculiar construction of the pan, which accomplishes this result, also enabling the dirt to be expelled from the pan with more ease, and into a receptacle of less capacity.

The invention consists in providing a dust-pan, otherwise of ordinary construction, with a semi-cylindrical trough or chute, disposed across from side to side, and at the rear part thereof, and contiguous to the handle, such trough being formed with an inclination at one end, for facilitating the discharge of dust and dirt therefrom, substantially as hereinafter explained.

In the drawings above referred to, *a* denotes the body of the dust-pan, being a sheet of metal, made substantially in the ordinary form of such articles.

In carrying out my invention, I apply across the rear part of the body *a*, a semi-cylindrical trough, *b*, sunken below the level of such body, and being in length about equal to the width thereof, the handle *c*, of the dust-pan, being affixed to the rear side of the trough.

The said trough *b* has one of its ends inclined at an angle to its bottom, as shown at *d*, in the drawing.

The depth of the trough should be such as to sustain the dust-pan, when upon the floor, at such an angle to the floor as to best facilitate the taking up of the dirt from such floor.

As this trough becomes filled with dirt and dust, it may be emptied very readily and expeditiously, by means of its inclined end or nose, *d*, the curved bottom of such trough allowing it to be thoroughly cleaned with a brush.

The upper rear edge of the trough *b* also serves the purpose of a scraper, to remove from the brush any dirt or lint which would otherwise adhere to it.

By means of a dust-pan constructed as above described, not only can much more dirt be taken up by it, but much less care is required to keep the dirt from falling from the pan, and this dirt may be emptied from the pan with much more expedition and ease, and into a receptacle of smaller compass than with a dust-pan of ordinary construction.

As before alluded to, the trough *b* serves to maintain the pan upon the floor in the most favorable position for allowing the dirt to be swept upon it.

I claim the combination of the circular trough and the inclined curved lip, at one end thereof, with the body of the pan, substantially as and for the purposes specified.

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Witnesses:

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