G. MACARDLE.

Dust Pan.

No. 238,942. Patented March 15, 1881.

Fig. 1.

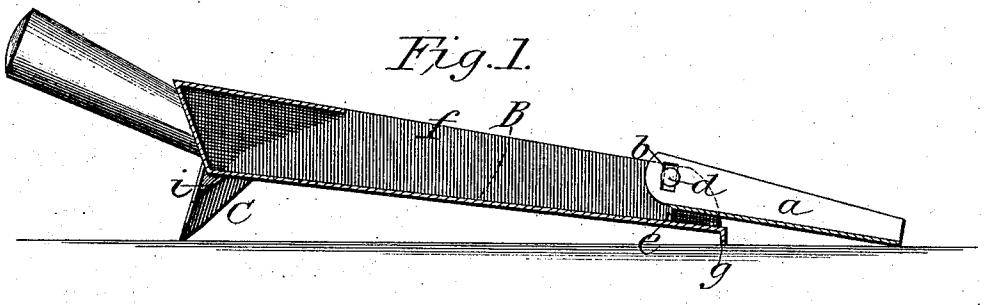


Fig. 2.

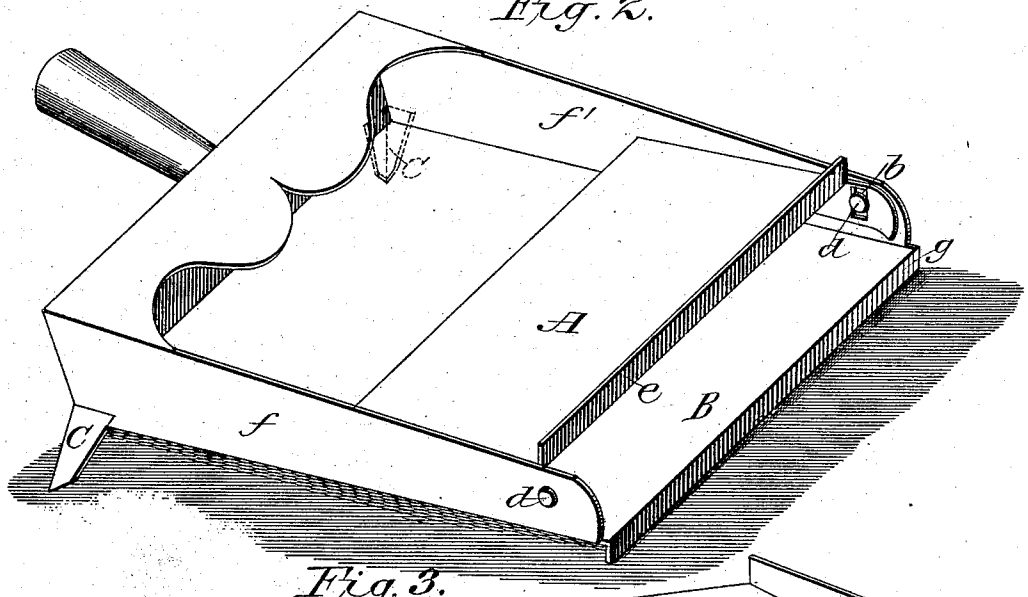
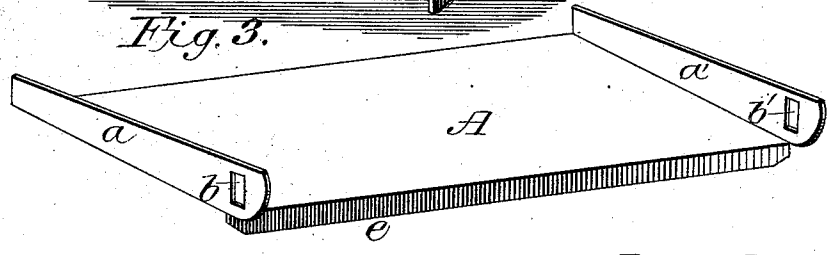


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE MACARDLE, OF PECATONICA, ILLINOIS.

DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 238,942, dated March 15, 1881.

Application filed May 8, 1878.

To all whom it may concern:

Be it known that I, GEORGE MACARDLE, of Pecatonica, in the county of Winnebago and State of Illinois, have invented a new and useful Improvement in Dust-Pans, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The nature of my invention consists in the construction of a drop-apron and the supports of a dust-pan.

In Figures 1 and 2, A is the drop-apron, and Fig. 3 is a perspective view of the same. This apron A is formed with sides *a a'* projecting beyond plane surface, and having slots *b b'* to receive the journals *d d'*, on which it rotates and by which it is held in proper position to the main body of the dust-pan, as may be seen in the sectional view, Fig. 1, and the perspective view, Fig. 2. On the back under side of the apron A is a flange or rib, *e e*, formed at right angle to the plane surface of apron. Now, when it is desirable to throw the apron out of the pan upon the floor, the flange or rib *e e* comes in contact with the bottom of pan B, and, resting on the bottom of the pan, forms a gate and prevents the sweepings from falling out of the pan, at the same time making a firm support for the platform of the apron A. The slots *b b'* in the projecting portion of the sides at *c c'* admit the apron to move up or down about the journals or rivets *d d'*, which secure it to the sides *f f'* of the dust-pan, causing it to work free from stiffness or binding, also facilitating it to more perfectly conform to any unevenness of the floor. When the apron A is turned over into the main body B of the dust-pan the flange or rib *e e* is out of the way, and a chute or mouth is formed, as seen in Fig. 2, through which the sweepings may be discharged.

The main body B of the dust-pan is supported, when placed on the floor, by the angular-constructed and diamond-pointed legs C C', set at an angular and bracing position to its back corners, and the sides of the pan, by their inner top parts, straddling the corners just above the bottom, and firmly secured in this position to the pan by their inner angular parts being partly filled with common tinner's solder, as shown in Fig. 1 at *i*, thus forming solid and strong supports in combination with the flange *g g*, which is formed by turning the front edge of the bottom B of the pan abruptly downward at about or nearly right angle to the under side of the bottom B.

When it is desirable to use this dust-pan in sweeping it is set on the floor, resting on the angular-shaped legs C C' and the flange *g g*. The drop-apron A is thrown out of the pan, its free part resting on the floor overreaching the flange *g g* on the bottom B of the pan. Now, when the sweepings are being swept into this dust-pan the pressure of the broom on the drop-apron A, which overlaps the flange *g g* of the bottom of the pan, will cause this flange to sink into the carpet or press on the floor, and with the angular-shaped and diamond-pointed legs C C' will hold the dust-pan to its place and prevent the slightest slipping. The flange *g g*, being turned abruptly downward and mainly supporting the pressure on the drop-apron A by means of the bearing of its flange *e e* on the bottom B being back of and beyond this flange *g g*, will create a leverage power, and thus additional pressure will be brought to bear on the flange *g g*, thereby causing it to adhere more firmly to the floor, at the same time making a strong support to the front parts of the dust-pan and greatly releasing the strain of lateral pressure on the legs C C', and will check any tendency of the legs C C' to separate or in any way injure the strands or fibers of the carpet while resisting any pressure.

I claim as my invention—

1. An apron, A, having a flange, *e e*, and projecting sides *a a'*, having slots *b b'*, for the purpose herein set forth and described.

2. The compound support of the drop-apron A, made by the combination of its flange *e e* and the flange *g g* on the front of the bottom of the dust-pan, substantially as described, and for the purpose set forth.

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Witnesses:

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