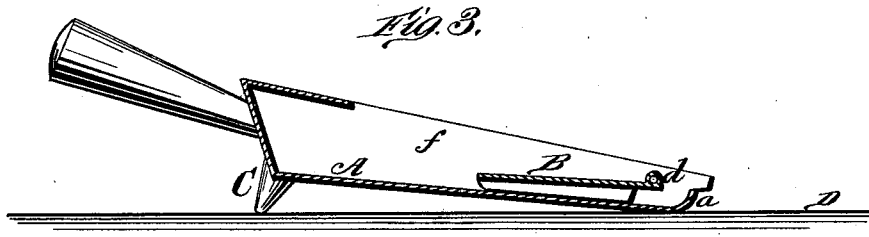
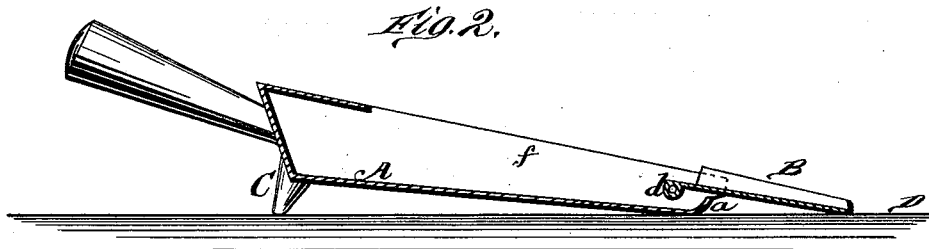
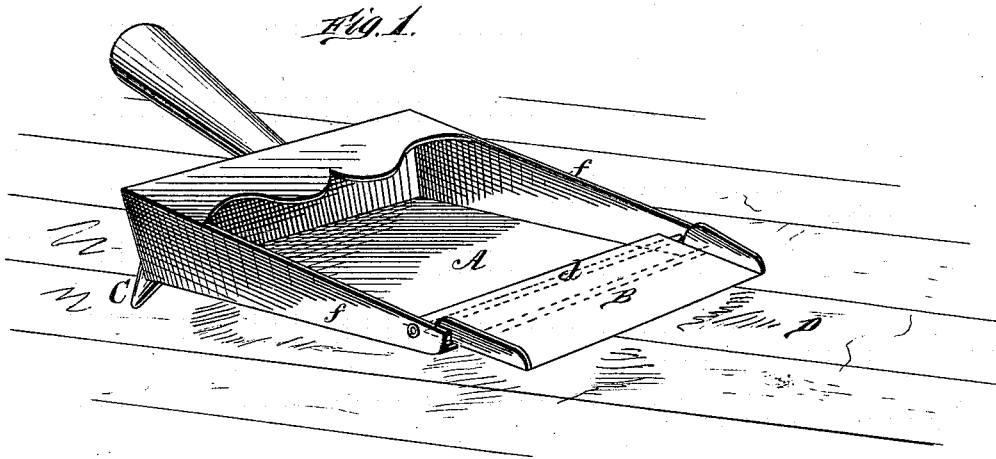


G. MACARDLE.  
Dust Pan.

No. 202,277.

Patented April 9, 1878.



WITNESSES  
*Robert Everett*  
*George E. Upham*

INVENTOR.  
*George Macardle.*  
*Glennore Smith & Co.*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

GEORGE MACARDLE, OF PITTSFIELD, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT TO JAMES P. JOY, OF ST. LOUIS, MISSOURI.

## IMPROVEMENT IN DUST-PANS.

Specification forming part of Letters Patent No. **202,277**, dated April 9, 1878; application filed August 23, 1877.

*To all whom it may concern:*

Be it known that I, GEORGE MACARDLE, of Pittsfield, in the county of Pike 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.

This invention relates to dust-pans; and the novelty consists in the construction, as will be hereinafter more fully set forth, and pointed out in the claim.

Figure 1 is a perspective view of my improved dust-pan. Fig. 2 is a central longitudinal sectional view of the same, and Fig. 3 is a similar view with the drop-apron thrown back into the pan.

In the annexed drawing, the letter A represents the body of the dust-pan, having on its under side sharp-pointed spurs C, set at an angle, so as to prevent the pan from slipping or moving over the floor when any force is brought to bear on the pan by sweeping.

The front end of the pan is provided with a lip, *a*, formed by turning or bending the metal upward to form a support for the purpose hereinafter set forth. In rear of and over this lip *a* is fastened a folding drop-apron, B, which is secured to the sides *f* of the pan by means of a hinge formed by turning the inner edge loosely over a small rod of wire, as shown by

dotted lines *d* in Fig. 1 and full lines in Figs. 2 and 3, thereby making a folding or swinging apron, which is entirely free to drop its free end upon the floor D, forming an inclined plane, which is self-adjusting, and can be adapted to any uneven surface of the floor.

It will be observed that the drop-apron in my pan is pivoted in rear of the lip *a*, which latter acts as an auxiliary support to the apron, and relieves the pressure upon the pivoted rod in handling the same. This is an essential point in my invention.

When it is desirable to use this dust-pan in sweeping, it is placed on the floor, resting upon the sharp-pointed spurs and upon the front part of the pan. The drop-apron is then thrown out of the pan, overlapping the lip, and falls close to the floor, adjusting itself to the surface, and forming an inclined plane, as shown in Figs. 1 and 2 of the drawings.

What I claim as my invention is—

A dust-pan the body of which is turned up at its front end to form the lip *a*, in combination with the folding drop-apron B, pivoted in rear of the lip, overlapping the same, substantially as shown and described.

GEORGE MACARDLE.

Witnesses:

JUSTIN E. JOY,  
WALTER GRAHAM.