

(No Model.)

J. S. COBB.
DUST PAN.

No. 461,700.

Patented Oct. 20, 1891.

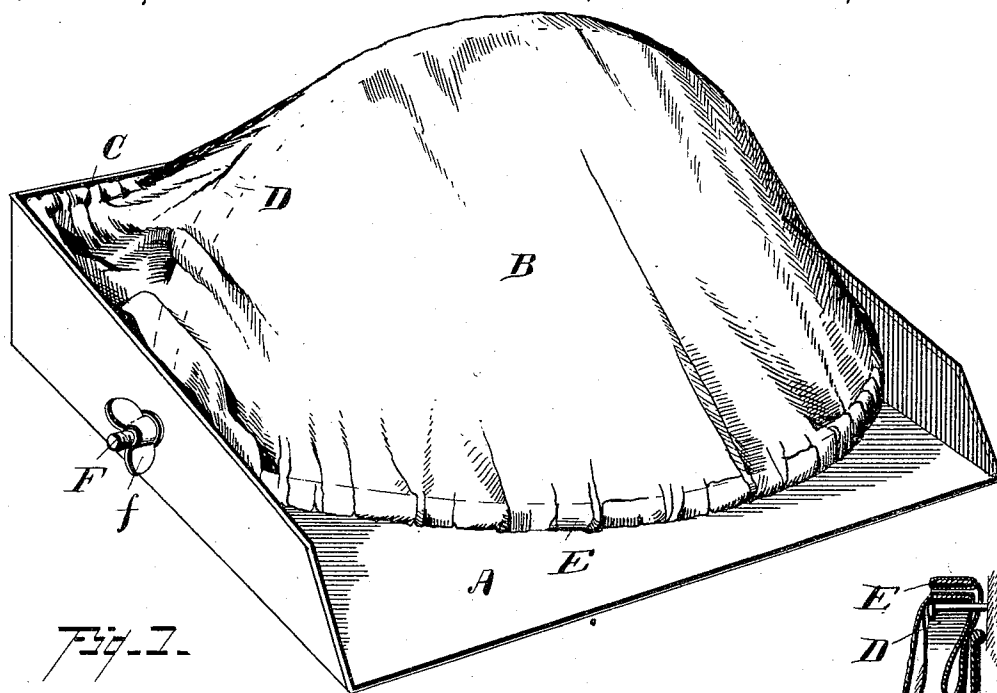


Fig. 1.

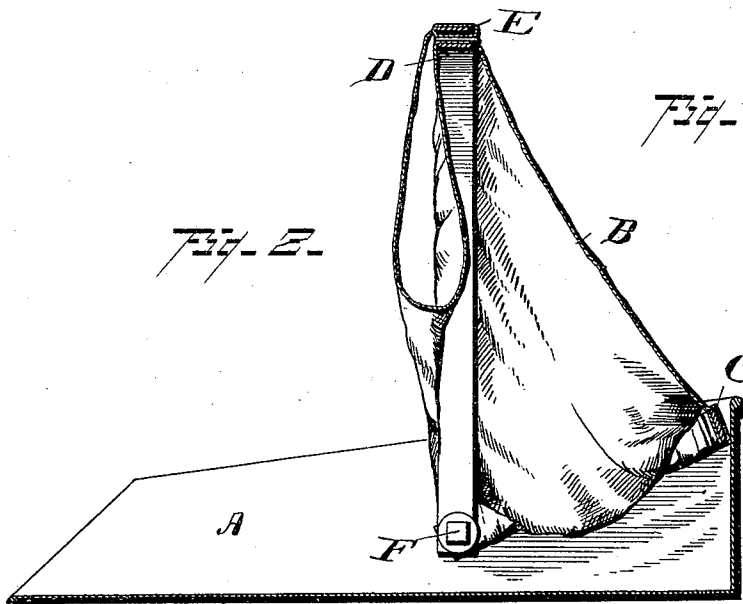


Fig. 2.

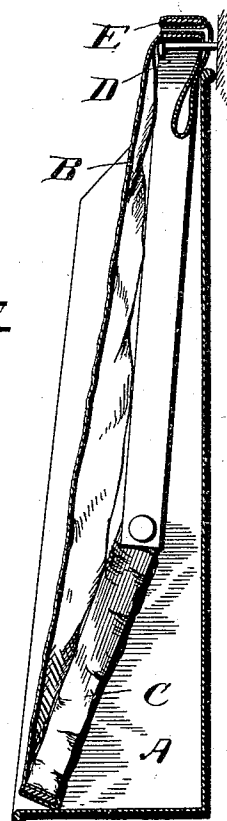


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

JENNIE S. COBB, OF BUFFALO, NEW YORK.

DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 461,700, dated October 20, 1891.

Application filed May 12, 1891. Serial No. 392,526. (No model.)

To all whom it may concern:

Be it known that I, JENNIE S. COBB, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Dust-Pans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to dust-pans, and aims to provide the same with a dust-guard which will prevent the rising of dust into the air when sweeping the same into the pan. Heretofore such dust-guards have resisted the passage of the air by reason of the impervious and inflexible character of the material of which they are constructed, thereby causing a counter-current of air when sweeping the dust in the pan, which carries the dust out into the room and into the air.

The purpose of the present invention is to provide a dust-guard which will retain the dust and permit the escape of the air and which will be capable of folding into a compact form, so as to be out of the way, and which will form a bail or handle to conveniently carry the dust-pan by, or by means of which the said pan can be suspended from a nail or pin.

The improvement consists of the novel features and the peculiar construction and combination of the parts, which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of a dust-pan embodying my invention, parts being broken away. Fig. 2 is a cross-section showing the relative position of the guard when used as a handle or bail to carry the pan by. Fig. 3 is a view similar to Fig. 2, showing the relative position of the guard when adjusted to form a suspensory bail.

The pan A is of usual construction. The dust-guard B is constructed of textile fabric sufficiently coarse to permit the passage of air therethrough, yet of such close texture as to impede or practically prevent the passage of dust therethrough. The guard covers the upper side of the pan and extends from the rear side or back thereof to within a short dis-

tance of the front edge of the pan. The fabric is held close against the rear side or back and the sides of the pan by any convenient means, the bow C being provided and pivoted at its ends to the sides of the pan and conformed to the back and the rear portion of the sides of the pan. The guard or fabric B is secured to the bow C. The bow E is secured to the sides of the dust-pan by the same pivots which secure the bow C, and so also is the supporting or distending bow D, the latter serving to support the intermediate portion of the guard between the bows C and E. The front end of the guard B is secured to the bow E. The bows are adapted to turn freely on the pivots which connect them with the sides of the pan to admit of their being readily brought into the required position. One of the pivots, as F, is a bolt, and the thumb-nut *f* on its projecting end is adapted to be turned up against the side of the pan and hold the bows in the required position.

When dust is to be swept into the pan, the guard is adjusted about as shown in Fig. 1. As the dust is swept into the pan a rush of air beneath the guard follows. This flexible canopy receives the force of air in an expanding cavity and contracts by exhaling the air through a porous material that retains microbes and particles irritating to the breathing organs. Owing to the pervious character of the guard the air forced into the pan escapes through the guard, thereby obviating a back draft or current, which in the general construction of dust-guards causes the dust to be carried out into the room and into the air. By reason of the adjustability of the bows they may be turned into various positions, such as the suspensory bail shown in Fig. 3 or the carrying-handle shown in Fig. 2.

A disinfecting, deodorizing, or magnetic powder sprinkled in the pan before using could be added for the protection of the operator.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with a dust-pan, of a dust-guard of textile fabric constructed to be held to the rear end of the pan and adapted to extend over the upper side thereof to within a short distance of the edge of the pan, a

bow pivoted at its ends to the sides of the pan and having the front ends of the said dust-guard attached to the said bow, and an intermediate bow pivoted at its ends to the sides
5 of the pan and adapted to support the dust-guard between its front and rear ends, the bows being constructed to fold close to the pan or be adjusted to form the carrying and the suspending bail, substantially as set forth.

10 2. The combination, with a dust-pan and an expansible dust-guard of pervious material, of three bows constructed to form a suspending and carrying handle and adapted to

support the dust-guard at its front and rear edges and intermediate of its edges, and a bolt 15 and thumb-nut pivotally connecting the bows at one end to a side of the pan and adapted to hold them in the required position, substantially as described.

In testimony whereof I affix my signature in 20 presence of two witnesses.

JENNIE S. COBB.

Witnesses:

OSCAR COBB,

AGNES A. JUSTIN.