

No. 678,906.

Patented July 23, 1901.

H. W. ROGERS.

DUST PAN.

(Application filed Mar. 29, 1901.)

(No Model.)

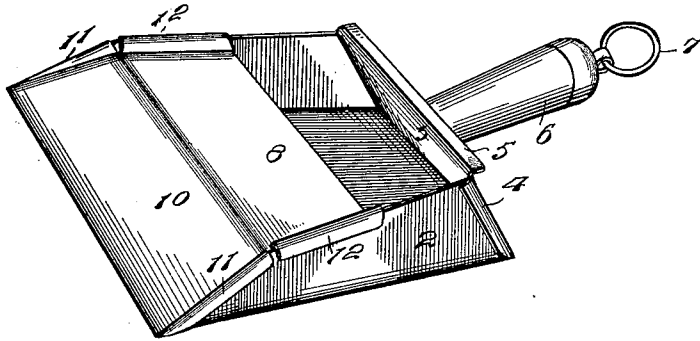


Fig. 1.

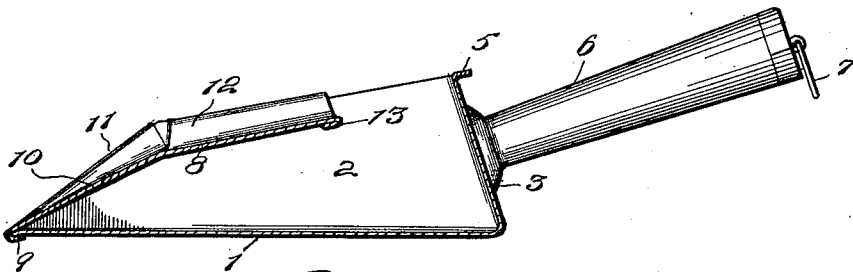


Fig. 2.

Witnesses

Wm. Simpson
Wm. Shepard

H. W. Rogers Inventor
By *C. A. Snow* & Co. Attorneys

UNITED STATES PATENT OFFICE.

HERBERT WARREN ROGERS, OF WATERTOWN, NEW YORK, ASSIGNOR OF
ONE-HALF TO DARWIN B. GOTHAM, OF SAME PLACE.

DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 678,906, dated July 23, 1901.

Application filed March 29, 1901. Serial No. 53,454. (No model.)

To all whom it may concern:

Be it known that I, HERBERT WARREN ROGERS, a citizen of the United States, residing at Watertown, in the county of Jefferson and State of New York, have invented a new and useful Dust-Pan, of which the following is a specification.

This invention relates to dust-pans, and has for its object to provide an improved device of this character which is constructed to receive and contain the dust and dirt in such a manner as to permit of the pan being used as a receptacle for carrying the dirt from one room to another without the necessity of emptying the pan at the conclusion of each sweeping. It is furthermore designed to provide for a cheap and durable construction of pan which is effectually braced against being bent out of shape and otherwise damaged by the usual hard usage to which dust-pans are commonly subjected.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claim, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claim without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a dust-pan constructed and arranged in accordance with the present invention. Fig. 2 is a central longitudinal sectional view thereof.

Corresponding parts are designated by like characters of reference in both figures of the drawings.

Referring to the drawings, it will be seen that the bottom 1, the opposite sides 2, and the back 3 of the pan are all formed from a single sheet of metal, the sides being bent up from the bottom portion and the back being also bent up, with its opposite ends bent to embrace the outer faces of the respective side pieces, as indicated at 4, and the top edge being bent or folded outwardly to form a stiffening and strengthening portion 5. As plainly indicated in Fig. 2, the back inclines

inwardly or forwardly, so that the stem-like handle 6, which is secured to the middle of the outer side of the back, has an opposite upward inclination, so as to facilitate the manipulation of the pan; also, a ring 7 is loosely secured to the outer terminal of the handle to permit of the pan being hung up and also conveniently carried in a suspended position.

It is designed to provide the pan with a dirt-pocket, so as to retain the dust and dirt swept into the pan, and this object is accomplished by means of a top plate or cover 8, which is formed from a single sheet of metal having its outer edge folded over and embracing the outer edge of the bottom of the pan, as at 9, so as to form a tight connection therewith. The outer portion 10 of this plate inclines upwardly and inwardly, its opposite edge portions being folded upwardly and over upon the adjacent portions of the upstanding sides of the pan, as at 11, whereby the part 10 lies below the top edges of the sides, and the latter form upstanding flanges to prevent lateral scattering of the dirt and direct the same into the pan. It will be understood that the outer end portions of the sides of the pan have their upper edges inclined upwardly from the bottom of the pan inwardly for a distance equal to the length of the corresponding front portion 10 of the top plate and the remaining edge portions being horizontal or inclining slightly upwardly and rearwardly, as shown. The inner end portion of the top plate also lies below the upper edges of the sides of the pan, so as to produce upstanding flanges at opposite sides thereof, and has its opposite side portions bent upwardly and over the top edges of the pan sides, as at 12, the inner edge of the plate being bent under to form a stiffening and strengthening portion 13. It will be understood that all of the overlapped joints of the pan are also soldered or otherwise connected, so as to secure tight and rigid joints.

From the foregoing description it is apparent that the dust and dirt is designed to be swept inwardly over the top plate and finally deposited upon the bottom of the pan, and when the latter is raised by the handle, the front end of the pan hanging downwardly, the dirt will be collected in the pocket between

the pan-bottom and the top plate. Also the pan may be carried by the loose or pivotal ring 7 or hung up thereby without danger of spilling the dirt, which is a great convenience, as it obviates the necessity for emptying the pan after each sweeping and permits of the pan being carried from one room to another and finally emptied after all of the rooms have been swept.

10 The structure of the pan is such as to produce a cheap and simple device which is effectually braced by the top plate, so as to withstand hard usage and to facilitate the introduction of the sweepings into the dirt-

15 pocket.

The sweepings may be conveniently removed from the pan by inverting or tilting the same upon the handle thereof, whereby the dirt may be dumped out through the top opening between the back 3 and the top plate 8.

What is claimed is—

A dust-pan, formed by a bottom plate, having its opposite side edges bent upwardly into

upstanding sides, the corresponding front end 25 edges of which incline upwardly and inwardly from the front edge of the bottom, and the rear side of the bottom being bent upwardly into an upstanding back, the opposite ends of which are bent to embrace the end edges 30 of the upstanding sides, a handle applied to the back, and a top plate fitted snugly between the sides of the pan and below the upper edges thereof, said edge portions rising above the plate and forming opposite flanges, 35 the front edge of the latter being folded to embrace the front edge of the bottom, and the sides of the plate being bent to embrace the respective top edges of the sides of the pan, the top plate forming a transverse brace 40 for the sides of the pan.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HERBERT WARREN ROGERS.

Witnesses:

D. B. GOTHAM,

EDGAR V. BLOODOUGH.