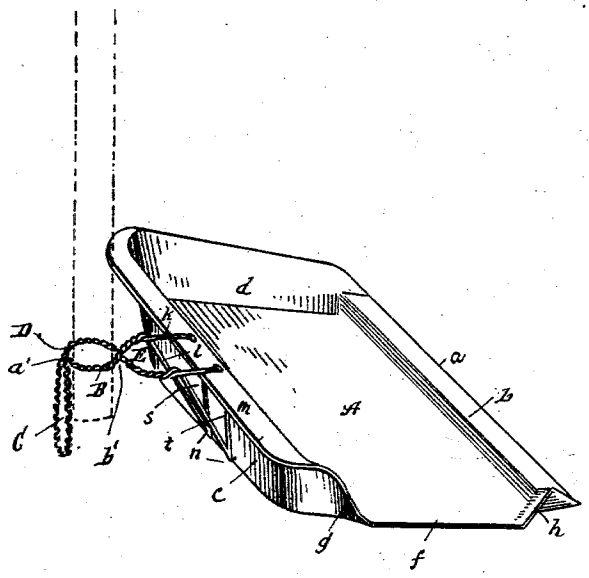
No. 633,787. Patented Sept. 26, 1899.

# H. O. BROWN.

## DUST PAN.

(Application filed Dec. 21, 1897.)

(No Model.)




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# UNITED STATES PATENT OFFICE.

HERBERT O. BROWN, OF BETHEL, MAINE.

## DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 633,787, dated September 26, 1899.

Application filed December 21, 1897. Serial No. 662,789. (No model.)

*To all whom it may concern:*

Be it known that I, HERBERT O. BROWN, a citizen of the United States, residing at Bethel, in the county of Oxford and State of Maine, 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, reference being had to the accompanying drawing, forming a part of this specification.

This invention relates to improvements in dust-pans, and has for its object to provide a cheap, simple, and efficient device that can be used for gathering dust or sweepings without the necessity of the operator stooping over to manipulate the same.

A further object of this invention is to provide a simple handle that will serve to support the pan in an inclined position, so that its front edge will rest against the floor and carpet, and that will serve as a means by which the pan can be shifted or lifted by the operator while she is in a standing or erect position.

The invention consists in the general construction and arrangement of the parts, to be hereinafter described and claimed.

Referring to the accompanying drawing, the figure illustrates in perspective my improved dust-pan, showing it in position for use and indicating in dotted lines the use of a broom-handle in connection with the handle of the dust-pan for raising and lowering the same.

A indicates the main body of the pan, which has its lower front edge *a* preferably constructed with the raised shoulder *b* a short distance back of the edge, so that as the material is swept thereover it is held from sliding down off the inclined bottom, as is common in the use of the ordinary form of dust-pan. The back *c* and one end *d* are turned up in the usual manner; but the end *f* is open and somewhat contracted by virtue of the inturning end *g* of the back *c* and the upturned portion *h* at the end of the front edge. By this means it will be observed the dust or accumulation upon the pan can be readily turned into a small space or receptacle.

One of the particularly novel features of this invention lies in the construction and use of the handle B, which may be constructed of any suitable material, although I prefer wire twisted substantially as shown. In the formation of this handle the two wire strands *k* and *l* are twisted around each other, forming one continuous or endless piece, which is then bent at its central point to form the vertical portion or loop C, whence it is turned at right angles, the ends being crossed upon each other at *a'* and bent outward to form the circle or ring D. They are then crossed a second time at *b'*, whence the ends are carried forward in a horizontal direction to form the ring or loop E, and their ends are engaged with the upward-extending flange or back *c* of the dust-pan. This is preferably done by separating the strands and carrying one strand of each end over the top of the flange, where they are turned downward through the horizontally-turned upper edge *m* of the back, lying adjacent to and outside the back, as at *s* and *t*, and having their extreme ends bent in under the bottom at *n*, where they are fastened either by means of rivets or solder, as may be desired. The other two strands are carried down at an angle to the horizontal edge *m* from a point substantially midway between the two ends of the loop E and their extreme lower ends engaged with the ends of the strands *s t*, thus forming an oblique brace. As will be seen, this construction provides a cheap, simple, and durable handle, and when the pan rests upon the floor in an operative position the lower engaging end of the loop C serves to support the pan in an inclined position, where the extreme forward edge rests snugly upon the floor to enable the operator to sweep any dust or rubbish thereon without the necessity of grasping the handle and holding the pan at the desired angle.

The purpose of the rings or loops D E is to assist the operator in raising and lowering the pan by merely inserting the handle end of a broom into one of them until it is firmly engaged or sufficiently so to withstand the weight of the pan and its contents. It will be seen that the ring D is somewhat smaller than the loop E, thus providing means for varying the sizes of handles to suit emergencies.

Another feature to which attention is directed is the use of the upright portion or loop

C. This, while serving in assisting the ring D to support the pan, as above described, also serves as a means by which the operator may manipulate the pan by engagement of the foot, whereby it may be shifted from one position to another without the necessity of lifting the pan or stooping to accomplish the work.

Having thus described my invention, what I claim is—

1. The herein-described dust-pan, the same comprising a body A with a raised shoulder *b* in rear of its front edge having an inturned portion *h* at one end, a raised back *c* having an upturned end *g*, a raised and closed end *d* at the other extremity of the pan, and an open end *f* contracted by reason of said inturned end and upturned portion; combined with means connected with the back for handling said pan, as and for the purpose set forth.

2. In a dust-pan, the combination with the body having a substantially upright back with a rearwardly-turned upper edge; of a handle consisting of two wires twisted together to form the handle proper with their strands separated, one pair of strands passing over said edge thence downward through it in rear of the back, and beneath the latter to which they are fastened, and the other strands passing from the twisted portion of the handle obliquely downward to and secured to the ends of the first-mentioned strands, substantially as described.

3. In a dust-pan, the combination with the pan-body; of a handle therefor comprising two wires twisted together and with their strands severally secured to the body, the wires then projecting to the rear and forming a loop E, thence crossing each other and forming a larger ring D and thence crossing each other and turned downward at substantially right angles in a loop C, as and for the purpose set forth.

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

HERBERT O. BROWN.

Witnesses:

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S. S. THORNTON.