No. 606,809. Patented July 5, 1898.

J. M. OURSLER.

DUST PAN.

(Application filed Dec. 21, 1897.)

(No Model.)

Fig. 1.

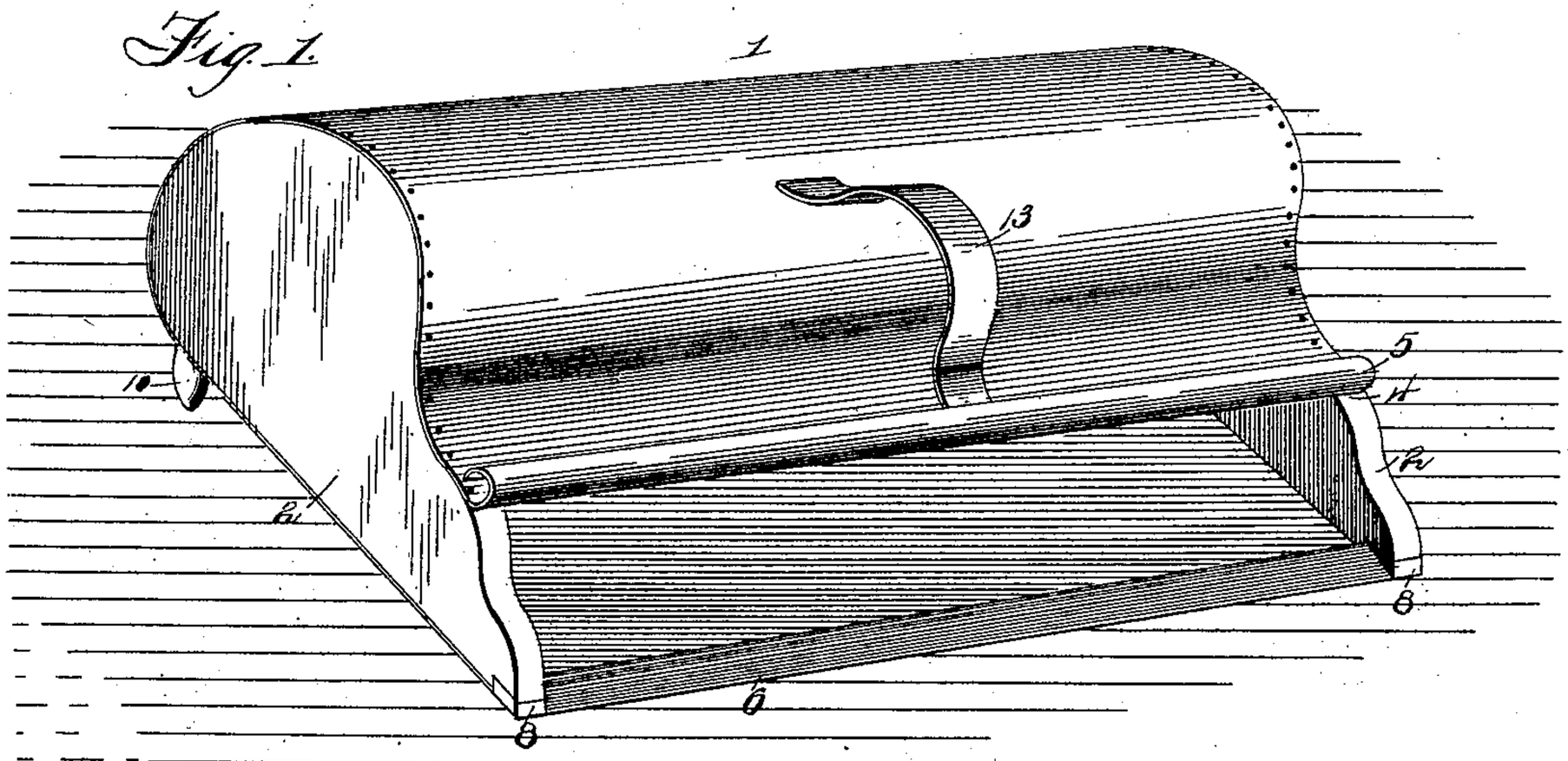


Fig. 2.

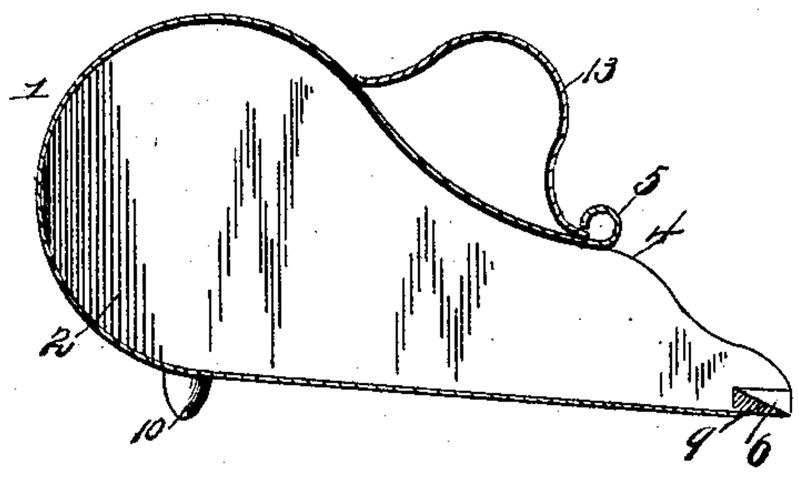


Fig. 3.

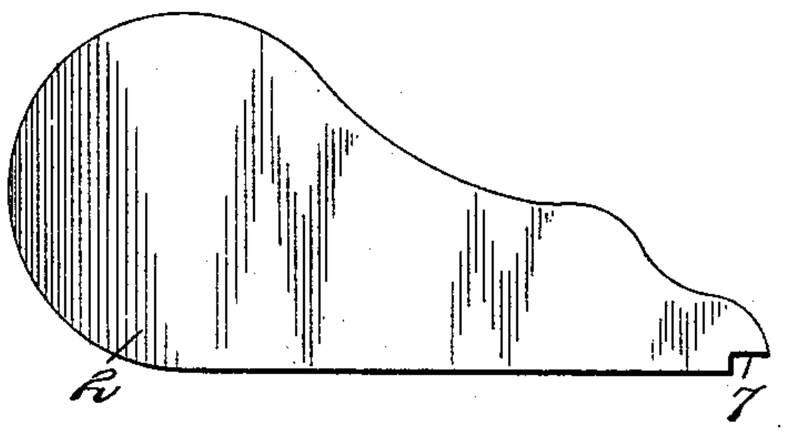


Fig. 5.

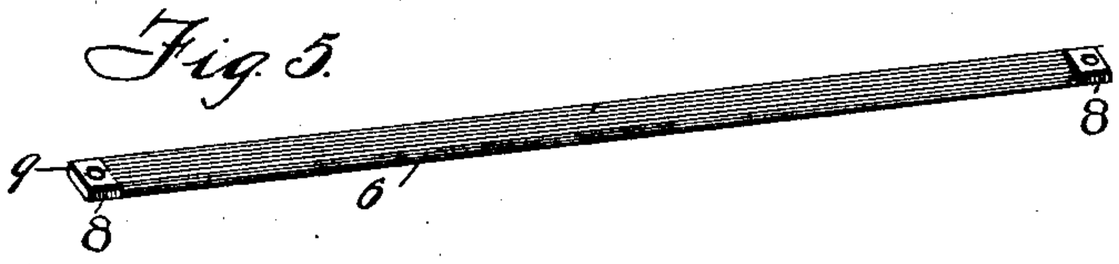


Fig. 4.

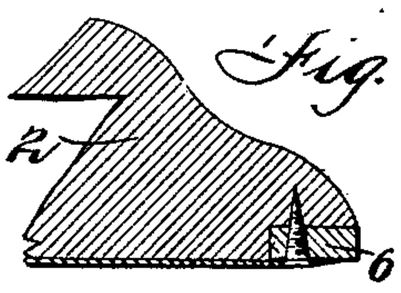
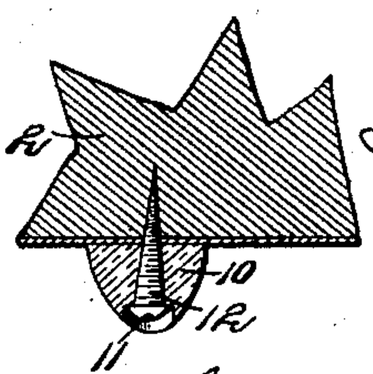


Fig. 6.



WITNESSES

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JORDAN M. OURSLER, OF COUNCIL BLUFFS, IOWA.

DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 606,809, dated July 5, 1898.

Application filed December 21, 1897. Serial No. 662,837. (No model.)

To all whom it may concern:

Be it known that I, JORDAN M. OURSLER, a citizen of the United States, residing at Council Bluffs, in the county of Pottawattamie and State of Iowa, have invented certain new and useful Improvements in Dust-Pans; and I do 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 drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to dust-pans and the like, and has for its object to provide a device of this character which upon raising the pan from the floor by means of the handle will tilt backward and throw the mouth thereof slightly upward, thus preventing the spilling of the dirt or contents. Furthermore, to provide the pan with peculiarly-formed knobs or feet which normally incline the pan forward to receive the sweepings, and also to provide means whereby the lower edge of the mouth is strengthened and will fit evenly upon the floor. These and other objects and advantages will be hereinafter more fully described and illustrated, and particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of my improved dust-pan. Fig. 2 is a transverse sectional view thereof. Fig. 3 is an elevation of one of the end pieces. Fig. 4 is an enlarged detail sectional view taken through one of the end pieces at its juncture with the strengthening-rib. Fig. 5 is a detail perspective view of the strengthening-rib. Fig. 6 is an enlarged detail sectional view of one of the feet.

Corresponding parts in the several figures are denoted by like characters of reference.

Referring to the accompanying drawings, 1 designates the body portion of my improved pan, preferably of sheet metal, and 2 designates the end pieces thereof, which I prefer to construct of wood. These end pieces are of a shape substantially as shown, and the body portion extends in one single blank from the lower front edge around to about the point 4, where it is bent back upon itself to form a transverse strengthening-bead. The body portion is secured to the end pieces by nailing to the edges of same.

To strengthen the lower edge of the sheet-metal body at its mouth and to prevent same from becoming ragged and uneven by constant use, I provide a transverse rib 6, of steel or some suitable hard metal, which extends across the entire width of the pan at this point and is soldered or suitably secured thereto. To further secure this rib in place, the ends thereof extend through a suitable notch 7, provided in each of the end pieces, as plainly shown in Fig. 3, and a suitable screw or nail is passed through the sheet-metal body portion and the rib 6 into the wooden end piece. Each extreme end of rib 6 is of the same thickness from front to rear and not beveled, as is the remaining portion thereof, thus snugly fitting within the notch formed in the end piece. By this construction I provide a neat and substantial fastening for the ends of the strengthening-rib. This rib is beveled from the front to the back, with the exception of the extreme ends 8, as shown in Figs. 2 and 5, and the rear perpendicular edge 9 forms a means for preventing the sweepings from accidentally coming out of the pan.

I prefer to form the body portion of one piece throughout, which, with the two end pieces, provides a light, durable, and compact dust-pan. The body portion conforms to the shape of the end pieces to which it is secured and extends well forward, leaving only sufficient space for the entrance of the sweepings, and thus effectively preventing the escape of dust. By thus extending the body portion so far forward the strengthening-bead 5 provides a stop for the broom and prevents the broom-straws from quickly spreading out after they pass the rib 6, as is usual, and thus obviates the nuisance of throwing portions of the sweepings over the top of the pan.

In Fig. 6 I have illustrated a form of foot 10 which I prefer to use in connection with my pan. This foot is preferably formed of glass, china, or some such hard and smooth substance as will easily slide upon the floor with little or no friction and is of a form substantially like that of an "acorn." A central

opening is provided through this foot, having a countersink 11, and is adapted to be secured to the pan at or near the back thereof by means of a screw or nail 12, passing through the sheet-metal-body portion and into the wooden end pieces. By reason of the countersink the head of the nail or screw is set into the body of the foot and therefore does not interfere with the easy sliding thereof and secures the foot to the pan in a substantial manner. By the use of these feet the pan is placed in such a position as will provide easy movement of same by a slight push of the foot.

To cause the rear portion of the pan to drop slightly downward and tilt upward the mouth thereof when raising the pan from the floor, and thus prevent dropping the sweepings therefrom, I provide a handle 13. This handle is preferably formed of sheet metal and is situated at a point somewhat in advance of the middle of the pan from front to rear, and by reason of this disposition of the handle it will be readily understood how the mouth of the pan is tilted slightly upward.

By my construction and arrangement I have provided a dust-pan simple in construction and attractive in appearance, together with means for preventing the spilling of the sweepings when raising the pan from the floor, which all combine to make my device a useful and efficient household article.

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

1. A dust-pan, comprising end pieces having notches formed in their lower forward ends, a rib having its end portions fitted into the said notches, and having the intermediate portions beveled upwardly and rearwardly from the front edge, a sheet-metal-body portion bent around the edges of the end pieces and secured thereto, and having its lower forward edge underlapping the said rib, and fastenings passing upwardly through the underlapping edge portions of the rib into the end pieces, substantially as set forth.

2. In a dust-pan, end pieces having notches in their lower forward edges, a rib having its terminal portions fitted in the notches, and the intermediate portion beveled upwardly and rearwardly, a sheet-metal body bent around the end pieces and secured to the edges thereof, and having its lower forward edge portion underlapping the rib and secured thereto, the pan comprising a rear portion of approximately cylindrical form, and a front portion having its upper and lower walls converging, and a handle applied to the contracted part in advance of the rear portion to cause an upward tilting of the pan when lifting it by means of the handle, substantially as specified.

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

JORDAN M. OURSLER.

Witnesses:
F. R. DAVIS,
C. J. EASTLAND.