S. MAGAMI.

REMOVABLE ATTACHMENT FOR DUST PANS.

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1,182,190. Patented May 9, 1916.

Fig. 1.

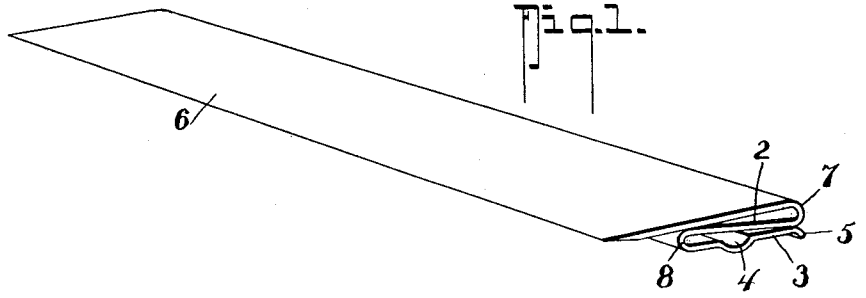
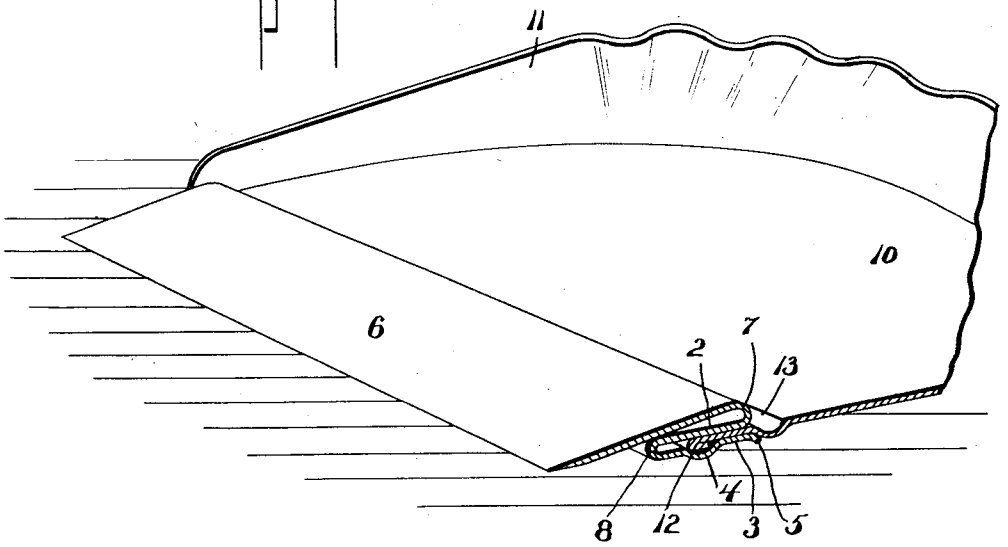


Fig. 2.



WITNESS:
Charles J. Diller.

INVENTOR
Steven Magami

BY
Fred G. Dieterich & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE

STEVEN MAGAMI, OF KAMLOOPS, BRITISH COLUMBIA, CANADA.

REMOVABLE ATTACHMENT FOR DUST-PANS.

1,182,190. Specification of Letters Patent. Patented May 9, 1916.

Application filed April 16, 1915. Serial No. 21,670.

To all whom it may concern:

Be it known that I, STEVEN MAGAMI, subject of the Emperor of Japan, residing at Kamloops, in the Province of British Columbia, Canada, have invented certain new and useful Improvements in Removable Attachments for Dust-Pans, of which the following is a specification.

This invention relates to a removable flexible edge for a dustpan and is designed to provide a thinner and more adaptable edge that can be applied to an existing dustpan and that will enable the dust to be more effectively swept from the floor into the pan. As usually made, the front edge of a dustpan is beaded to strengthen it against injury and a measure of rigidity is imparted to this edge by a flute or groove impressed in it a short distance backward from the front edge. While these features may be desirable in imparting strength to the pan, they are objectionable, in that the rigidity prevents the front edge of the pan from adapting itself to slight inequalities in the floor surface and the thick edge prevents the dust being effectively lifted. These objections are overcome by providing for a dustpan a removable attachment having a flexible resilient front edge.

The invention is particularly described in the following specification, reference being made to the drawings by which it is accompanied, in which:

Figure 1 is a cross section and part perspective of the removable part, and Fig. 2 is a similar view showing its application to an existing pan.

In these drawings 10 represents the bottom of the dustpan and 11 the upwardly turned border of the sides and back, 12 is the beaded front edge and 13 the adjacent reinforcing flute.

The device, which is the particular subject of this application, comprises a strip of thin resilient sheet metal which is doubled on itself, as at 2 and 3, to exercise a resilient grip on the thickness of the metal of the bottom 10 adjacent the front edge 12 of the pan, and 4 is a lengthwise flute to engage the bead 12 of the front edge and retain it in position. The upper part 2 of the strip is again doubled forward, as at 6, to project its front edge beyond the bend 8 of 2 and 3. This portion 6 is preferably flat to insure its flexible adaptation to any unevenness of the floor, when in use, and is directed downward into contact with the front bend 8 by providing an ample bend at 7. The backward edge of 3 is bent downward to form an entering flare to facilitate attachment. So constructed, the front edge of the pan is inserted between 2 and 3 and is pressed in until the bead 12 of the front edge of the pan springs into the groove 4 of the removable strip. With the bottom of the pan held across to the floor the front edge of 6 offers practically no ridge at its contact with the floor to interfere with the free sweeping of the dust into the pan. The upper outwardly projecting portion 6 being of thin resilient material, and being flat and of sufficient width from the bend 7, will have a full measure of resilient flexibility that will permit its front edge to adapt itself with light downward pressure to inequalities of the floor surface. The ample bend at 7 also enables it to be angled downward to project its edge below the level of the bottom of the pan, which result might be obtained by curving it downward but that curvature would impart an undesired rigidity to oppose lengthwise flexure. The ample bend 7 does not interfere with the sweeping of dust into the pan but prevents it sliding out again.

The facility with which the device may be attached and removed from a dustpan renders it applicable to any pan, as manufactured, and it may be removed when the pan is to be used under circumstances where it might be in the way.

Having now particularly described my invention, I hereby declare that what I claim as new and desire to be protected in by Letters Patent, is:

1. A removable attachment for a dustpan, comprising a strip of thin sheet metal bent over on itself to exercise a resilient grip of the front edge of the pan the upper portion bent forward and downward to project its front edge beyond the front bend of the strip and below the plane of the bottom of the pan.

2. A removable attachment for a dustpan, comprising a strip of thin sheet metal bent over on itself to exercise a resilient grip of the front edge of the pan that portion which

engages the underside of the pan having a lengthwise flute intermediate of the back edge and the bend to engage the bead of the front edge of the pan and the upper portion bent forward and downward in a plane surface to project the front edge of the strip beyond its front bend.

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

STEVEN MAGAMI.

Witnesses:
R. WINTERHALDER,
WM. STEWART.