UNITED STATES PATENT OFFICE.

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DUST-PAN HANGER.

1,192,684.


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To all whom it may concern:

Be it known that we, ARTHUR RAPPLEYE and CHARLES V. SLAGHT, citizens of the United States, residing at Interlaken, in the county of Seneca and State of New York, have invented new and useful Improvements in Dust-Pan Hangers, of which the following is a specification.

This invention relates to improvements in hangers and has relation more particularly to dust pan hangers.

In carrying out this invention, it is our object to provide a device of this character embodying a rigid frame and a resilient frame, each constructed from an integral strand of wire, whereby the rigid frame of the hanger will support the same to a rigid structure such as a support, wall, and the like, and permanently retaining therein a dust pan through the medium of the resilient frame.

A further object of the invention is the provision of a device of this character wherein provisions are made for directing the dust pan between the rigid and resilient frames of the hanger and preventing any accidental displacement of such dust pan from the hanger.

The invention consists in the novel features, details of construction and combination of parts which will hereinafter be more fully set forth, illustrated in the accompanying drawing and pointed out in the appended claim.

In the accompanying drawing: Figure 1 is a detail perspective view of the hanger in active use. Fig. 2 is a detail perspective view of the hanger illustrating the dust pan removed therefrom. Fig. 3 is a detail vertical section, on line 3—3 of Fig. 2.

Referring more particularly to the accompanying drawing, 5 denotes the hanger which in this instance, is shown as constructed from a single strand of wire 6 bent to form a rigid inverted U-shaped frame 7 and a resilient inverted U-shaped frame 9. The lower ends 10 of the limbs of the rigid frame are coiled inwardly as at 11 for resiliently and integrally connecting the resilient frame 9 with the rigid frame 8. The coils 11 also offset the resilient frame 9 inwardly of the rigid frame 8. The upper terminals of the limbs 12 of the resilient frame 9, are inclined rearwardly and upwardly as at 13, thence forwardly as indicated by the reference character 14, to provide the resilient frame, with substantially V-shaped oppositely disposed clamps 15, the purpose of which will be more fully set forth. The upper ends of the limbs 10 of the rigid frame 7 are bent to form eyes 16 for the reception of supporting elements 17, whereby the hanger may be supported to a rigid structure such as a wall and the like. The connecting rod 17 of the rigid frame constitutes a pair of inwardly directed strands 18 and 19 and overlapping one another, and retained in such relation to each other by means of a sleeve 20. The strands 18 and 19, at points on opposite sides of the vertical center of the rigid frame 7, are bent and extended downwardly, as indicated by the reference character 21 and arranged in spaced relation to each other and terminating in rear of the resilient frame 9 to form a guiding frame 75 for the dust pan, said frame being of substantially U-shaped configuration.

The connecting bar 22 of the resilient frame 9 engages at all times with the limbs or depending portions 21 of the guiding frame, whereby when the dust pan is inserted within the hanger will necessitate the movement of the resilient frame 9 in an outward direction. The said depending portions 21 of the guiding frame 22, are provided with downwardly and rearwardly inclined portions 23, to form the guiding frame with oppositely disposed stops 24, said stops adapted to engage the support to which the hanger is affixed for limiting the inward swinging movement of the guide frame when the latter is subjected to pressure by the insertion of the dust pan within said hanger.

From the foregoing description, taken in conjunction with the accompanying drawing, the advantages of construction and of the method of operation will be readily apparent to those skilled in the art to which the invention relates, while we have described the principles of operation of the device together with the device which we now consider to be the best embodiment thereof, we desire to have it understood that the device shown is merely illustrative and that such advantages may be made when desired as are within the scope of the claims appended thereto.

What is claimed as new is:

A hanger adapted for supporting a dust pan comprising a single strand of wire bent to form an inverted V-shaped frame and a second frame, the lower ends of the limbs of
the rigid frame being coiled inwardly for resiliently connecting the second frame thereto; a guiding frame terminating in rear of the second frame for guiding the dust pan 5 between the said rigid and second mentioned frames, the free extremities of the guiding frame being provided with downwardly and inwardly inclined portions for limiting the inward movement thereof, and the upper extremities of the second mentioned frame being formed with substantially V-shaped clamping members for engaging the dust pan and preventing any accidental displacement of the latter from the said hanger.

In testimony whereof we affix our signatures in presence of two witnesses.

ARTHUR RAPPLEYE.

CHARLES V. SLAGHT.

Witnesses:

LEON J. GOODELL,

M. K. MEDLOCK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."