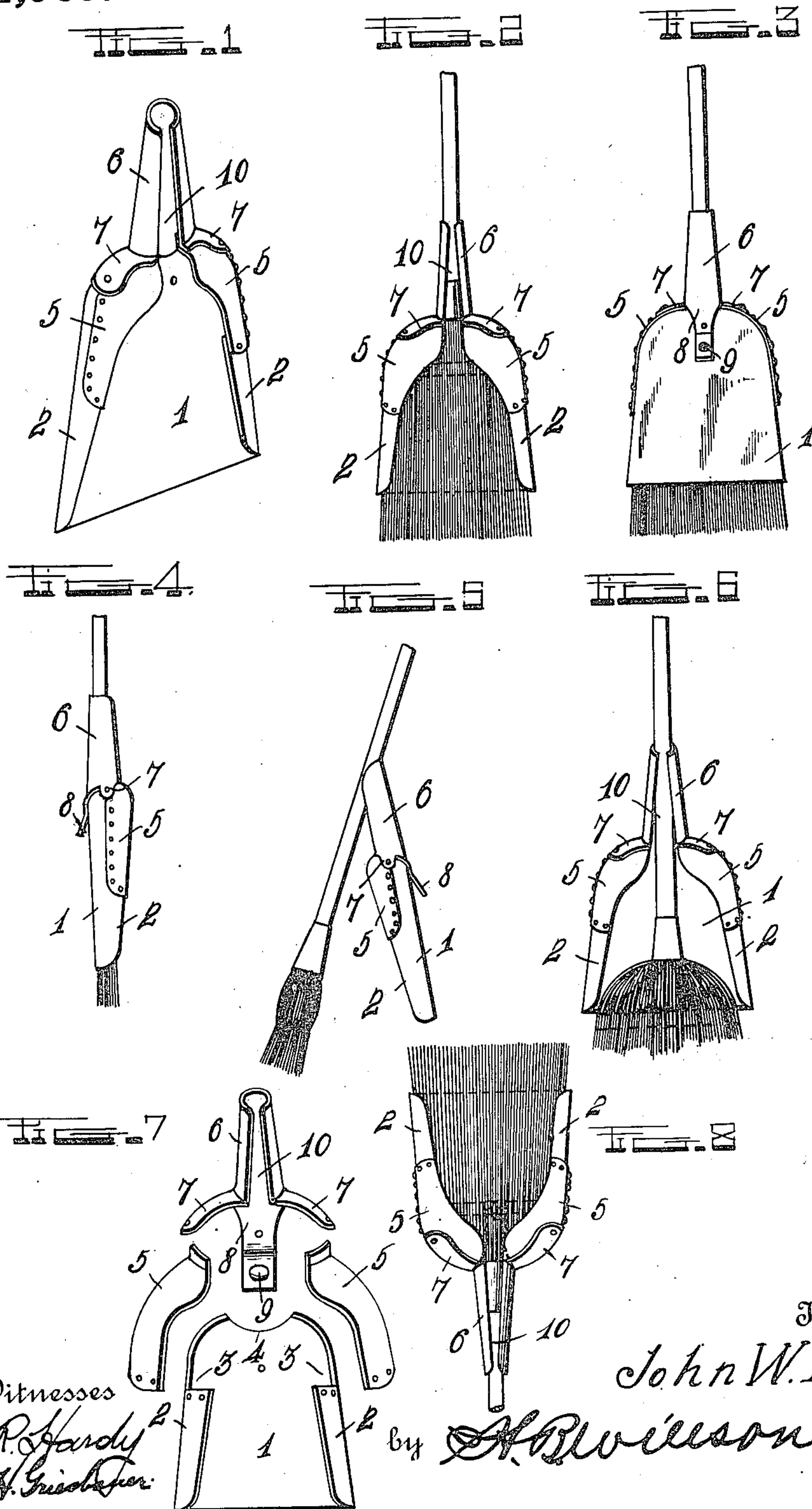


J. W. IVERS.
DUST PAN.
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Patented June 21, 1910.

961,965.



Witnesses

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DUST-PAN.

961,965.

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To all whom it may concern:

Be it known that I, JOHN W. IVERS, a citizen of the United States, residing at Oklahoma City, in the county of Oklahoma and State of Oklahoma, 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.

This invention relates to improvements in dust-pans.

One object of the invention is to provide a dust-pan adapted to be carried on the broom when the pan is not in use and which is constructed to permit the same to be readily engaged with or disengaged from the broom handle at any point, thus dispensing with the necessity of slipping the pan all the way up the handle and off the end of the same as is usually necessary in dust-pans of this character.

Another object is to provide a dust-pan of this character formed of a plurality of sections, the edges of which are overlapped and riveted together, said overlapping edges bracing and increasing the strength of the pan.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved dust-pan; Fig. 2 is a side view of one side of a broom showing the manner in which the pan is engaged therewith when not in use; Fig. 3 is a view of the opposite side of the broom and dust-pan; Fig. 4 is an edge view of the pan; Fig. 5 is an edge view of a broom and pan showing the manner in which the same is engaged with and removed from the handle; Fig. 6 is a side view of the same; Fig. 7 is a plan view of the pan showing the parts separated; Fig. 8 is a front view of the broom and pan showing the pan inverted as when hung on the wall to form a broom support or hanger.

Referring more particularly to the drawings, 1 denotes the back or bottom portion of my improved pan, said back or bottom

portion being of greater width at its outer end than at its inner end and the edges of said bottom portion are bent inwardly to form curved guard flanges 2, which when the pan is in use serve to hold the dust on the pan, and when the latter is not in use and is arranged on a broom as shown in Figs. 2 and 3 of the drawing, engage the edges of the broom head and serve to prevent said edges from spreading, thus protecting the head and holding the same in shape.

The guard flanges 2 are notched out or cut away at their upper ends as shown at 3 and in the inner end of the bottom 1 is formed a centrally disposed semi-circular handle engaging notch 4. With the edges of the guard flanges 2, where the same are cut away, are secured upper guard plates 5, which form practically a continuation of the guard flanges 2. The guard plates 5 are formed separate from the guard flanges 2 in order to permit the upper portion of the dust-pan to be properly formed or shaped to fit the upper end of the broom, as it has been found in practice that this shape could not be obtained by forming the pan from one piece of metal. The edges of the guard plates are overlapped on and riveted to the edges of the recessed portion of the flanges 2, and said overlapped riveted edges of these parts serve to brace and increase the rigidity of the upper portion of the pan.

Arranged at the inner end of the pan is a handle 6, said handle being in the form of a tube tapering from its inner toward its outer end and having on said inner end side attaching lugs 7, which are engaged with the overlapped portions of the guard flanges 2 and guard plates 5 adjacent to the notch 4 and are riveted to said overlapped parts. The handle is also provided on its rear or bottom side with an extension 8, which is riveted to the upper end of the bottom or back 1 of the pan and forms a brace as well as an attaching lug for the handle. The end of the extension 8 is bent outwardly to a slight extent from the under side of the back or bottom 1 and in said outwardly bent portion is formed an eye or aperture 9, which, if desired, may be engaged with a nail or other suitable support for hanging the pan and broom up when not in use, as shown in Fig. 8.

The front or upper edges of the handle 6

are left open and between said edges is formed a tapered space 10, which increases in width from the inner end of the handle toward the outer end, as shown. The edges of the handle form practically an extension of the curved inner edges of the upper guard plates 5, while the space 10 between said edges is a continuation of the tapered space between the edges of said plates. By forming a tapered space between the plates 5 and the edges of the handle, the dust-pan may be readily engaged with or disengaged from the handle of the broom at any desired point.

When it is desired to remove the pan, it is raised until the guard flanges are free of the broom, as shown in Fig. 6. The lower edge of the pan is then pulled outwardly and downwardly until the handle 6 is sprung off of the stick. The pan is applied to the broom in a similar way, as will be readily understood.

The handle 6 of the pan is formed separately therefrom for the same reason as described in connection with the upper guard plates and by forming the handle separately and securing the same to the body portion of the pan in the manner described, the handle is braced and more securely held than would be the case if the handle was formed in one piece with the pan.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the

invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended claim.

Having thus described my invention, what I claim is:—

A dust-pan of the character described comprising a body portion, inwardly curved guard flanges formed on the edges of the outer portion of said body, said flanges having their inner portions recessed or cut away, inwardly curved guard plates having their outer edges overlapping and secured to the edges of the recessed portions of the flanges, a tapered tubular handle having its edges left open to form a tapered space between the same, attaching lugs formed on the inner end of said handle and adapted to be secured to the body portion and guard flanges of the pan, and an apertured extension formed on the handle between said attaching lugs.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN WILSON IVERS.

Witnesses:

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L. M. WILKISON.