Nov. 4, 1952 F. R. FALKNER 2,616,143

BROOM HANGER

Filed Nov. 30, 1951

Fig. 1

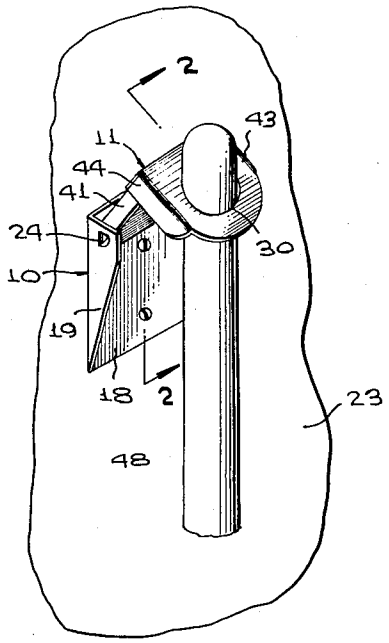


Fig. 2

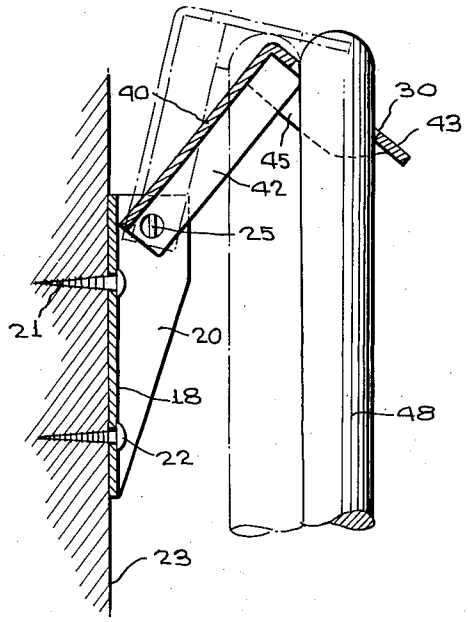


Fig. 3

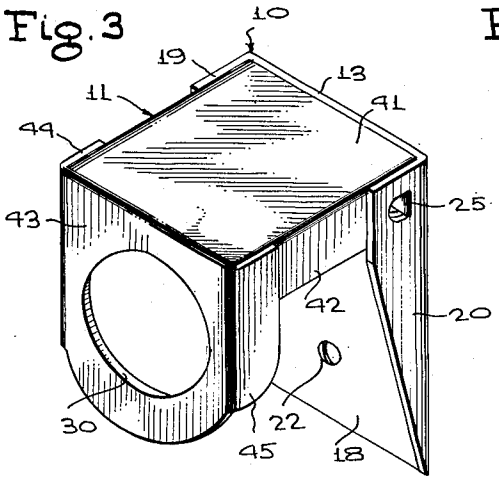
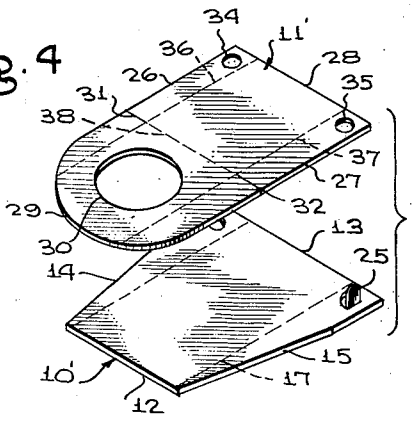


Fig. 4



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Patented Nov. 4, 1952 2,616,143

UNITED STATES PATENT OFFICE

2,616,143

BROOM HANGER

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Application November 30, 1951, Serial No. 259,247

1 Claim. (Cl. 24—249)

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This invention relates to broom hangers and more particularly to a wall mounted hanger for releasably engaging a broom, mop or similar object and suspending such object in substantially vertical position.

It is among the objects of the invention to provide an improved broom hanger of simplified and economical construction which is conveniently formed from two small pieces of sheet metal; which is movable by a broom or mop handle to a position to receive the handle and firmly supports the handle against the possibility of accidental displacement; which can be distributed at retail at a nominal price and used to carry advertising material, if desired; and which is easy to install and neat and attractive in appearance.

Other objects and advantages will become apparent from a consideration of the following description and the appended claim in conjunction with the accompanying drawing, wherein:

Figure 1 is a perspective view of a broom hanger illustrative of the invention shown mounted in operative position on a wall and supporting a broom handle;

Figure 2 is a cross sectional view on an enlarged scale on the line 2—2 of Figure 1;

Figure 3 is a perspective view of the broom hanger on a somewhat enlarged scale showing the parts in a different position from that illustrated in Figures 1 and 2; and

Figure 4 is a perspective view of a pair of sheet metal blanks from which the broom hanger is formed.

With continued reference to the drawing, the broom hanger comprises a bracket, generally indicated at 10, formed from a sheet metal blank 10', as illustrated in Figure 4, and a tongue, generally indicated at 11, formed from a sheet metal blank 11', also illustrated in Figure 4.

The sheet metal blank 10' is in the form of an isosceles trapezoid having two end edges 12 and 13 substantially parallel to each other and two non-parallel side edges 14 and 15 convergently inclined from the end edge 13 to the end edge 12 and disposed substantially symmetrically of the longitudinal center line of the blank. This blank is folded or bent along lines indicated by the dotted lines 16 and 17 to provide a flat web portion 18 of rectangular shape and flanges 19 and 20 extending one along each side edge of the web portion 18 and projecting substantially perpendicularly from the same side of the web portion.

The web portion 18 is provided with spaced apart apertures which receive fasteners, such as

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the wood screws 21 and 22 which secure the bracket to a supporting structure such as the building wall 23 and the flanges 19 and 20 are tapered in width toward one end of the web portion and are provided near their wider ends with struck out tabs 24 and 25 respectively which extend perpendicularly inwardly one from each of the flanges 19 and 20.

The sheet metal blank 11' is of generally rectangular shape having straight and substantially parallel side edges 26 and 27 and one straight end edge 28 disposed substantially perpendicular to the side edges. The other end edge 29 of this blank is, however, substantially semicircularly curved and a broom handle receiving aperture 30 is provided in the blank substantially concentric with the curvature of the end edge 29.

Cuts 31 and 32 are provided extending perpendicularly inward from the side edges 26 and 27 respectively intermediate the length of the side edges and in longitudinal alignment with each other and the blank is also provided with apertures 33 and 34 disposed one in each corner thereof at the respectively opposite ends of the straight end edge 28.

The blank 11' is bent or folded along lines 36, 37 and 38 to provide a first web portion 40 of substantially rectangular shape and a pair of flanges 41 and 42 extending one along each side edge of the web portion 40 and projecting substantially perpendicularly from the same side of the latter, a second web portion 43 which includes the handle receiving opening 30 and is joined at one end to the adjacent end of the web portion 14 and disposed substantially perpendicular to the latter, and flanges 44 and 45 extending one along each side of the second web portion 43 and projecting substantially perpendicularly from the same side of the latter and toward the end of the first web portion 41 remote from the second web portion 43.

The above described arrangement places the plane of the broom handle receiving opening 30 substantially perpendicular to the plane of the first web portion 41 and places the bend between the web portions 41 and 43 adjacent the opening 30.

The flange 45 overlaps at its end adjacent the web portion 41, the flange 42 at the end of this latter flange adjacent the web portion 43 while the flange 44 overlaps at its end adjacent the web portion 41, the flange 41 at the end of this latter flange adjacent the web portion 43. The flange 45 is secured to the flange 42 and the flange 44 is secured to the flange 41 by suitable

means, such as welding, to reinforce the joint between the web portions 43 and 40 of the tongue 11.

The flanges 41 and 42 are disposed within the flanges 19 and 20 at their ends remote from the web portion 43 and the end of the web portion 40 remote from the web portion 43 is disposed substantially flush with the end 13 of the bracket web portion 18 at the wider end of the tapered flanges 19 and 20. The inwardly directed tabs 24 and 25 are inserted through the holes 34 and 35 respectively and pivotally connect the tongue 11 to the bracket 10. The ends of the flanges 41 and 42 of the tongue remote from the web portion 43 of the tongue engages the web portion 18 of the bracket at the wider ends of the flanges 19 and 20 of the bracket and limit pivotal movement of the tongue 11 relative to the bracket 10 in one direction to a relative position of the tongue and bracket at which the web portion 40 of the tongue is substantially perpendicular to the web portion 18 of the bracket and the web portion 43 of the tongue is substantially parallel to the web portion 18 of the bracket and extends from the end of the web portion 40 remote from the bracket toward the end of the bracket remote from the pivotal connection between the tongue and the bracket or toward the end of the web portion 18 of the bracket toward which the flanges 19 and 20 taper.

With the tongue and bracket pivotally interconnected in the manner described above, the bracket is secured to a wall by suitable fasteners, such as the screws 21 and 22, in upright position so that the top edge 13 of the bracket web is substantially horizontally disposed and the web portion 40 of the tongue is also substantially horizontally disposed and extends from the bracket outwardly of the walls on which the bracket is mounted. The web portion 43 of the tongue will then be substantially vertically disposed at a location spaced outwardly from the wall.

When it is desired to secure an object, such as a broom or mop, in the hanger, the upper end of the handle 48 of the broom or mop is placed under the web portion 40 of the tongue and the handle is then raised lifting the tongue upwardly from the position illustrated in Figure 3 substantially to that illustrated in Figures 1 and 2. When the tongue has been sufficiently raised the upper end of the handle 48 will be guided from the under side of the web portion 49 of the tongue into the handle receiving opening 30 in the depending web portion 43 of the tongue. The handle is then moved upwardly through the opening 30 to a desired extent and released. The tongue will then swing downwardly until the handle is firmly clamped in the handle receiving opening 30 and the broom or mop will then be suspended in a substantially vertical position from the bracket.

The hanger will, of course, be mounted on the supporting wall at a height such that a broom or mop can be conveniently suspended from the hanger without touching the floor below the hanger.

The invention may be embodied in other specific forms without departing from the spirit or essential characteristics thereof. The present embodiment is, therefore, to be considered in all respects as illustrative and not restrictive, the scope of the invention being indicated by the appended claim rather than by the foregoing description, and all changes which come within the meaning and range of equivalency of the claim are, therefore, intended to be embraced therein.

What is claimed is:

A broom hanger comprising a sheet metal bracket including a flat web portion of rectangular shape and flanges extending one along each of two opposite sides of said web portion and projecting substantially perpendicularly from the same side of the latter, said flanges being tapered in width toward one end of said bracket and each having a tab projecting inwardly therefrom at its end adjacent the other end of said bracket, and a tongue including a first web portion of rectangular shape, flanges extending one along each of two opposite edges of said first web portion and projecting perpendicularly to the same side thereof, each of the last mentioned flanges having an aperture therein adjacent one end of said first web portion, said apertures respectively receiving the tabs on the bracket flanges to pivotally connect said tongue to said bracket, said tongue also including a second web portion joined at one end to the other end of said first web portion and extending perpendicularly from the latter in a direction toward the end of said bracket remote from said tabs, said second web portion having a broom handle receiving opening therein, and flanges extending one along each of two opposite edges of said second web portion and projecting substantially perpendicularly from the same side of the latter, the flanges on said second web portion overlapping and being secured to the flanges on said first web portion to reinforce the right angular connection between said first and second web portions and the flanges on said first web portion engaging at their ends adjacent said apertures the web portion of said bracket to limit pivotal movement of said tongue in one direction relative to said bracket to a relative position at which said first web portion of the tongue projects substantially perpendicularly from the web portion of the bracket.

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