April 17, 1962 B. S. EURE 3,029,782

PAINTER'S DOOR SHIELD

Filed Nov. 18, 1960

FIG. 1

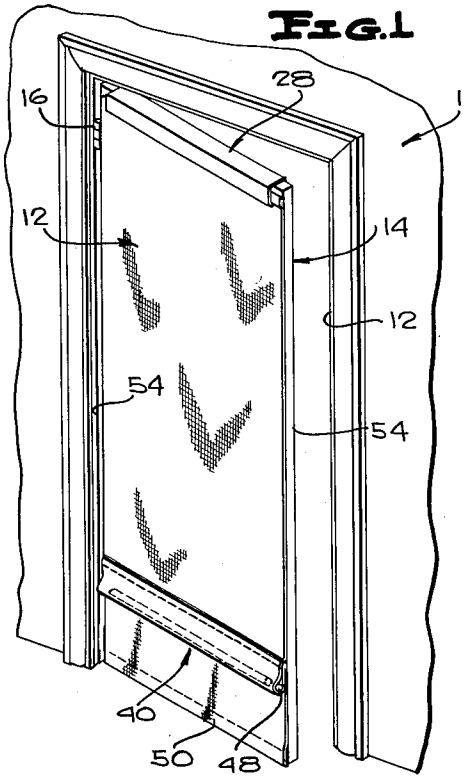


FIG. 2

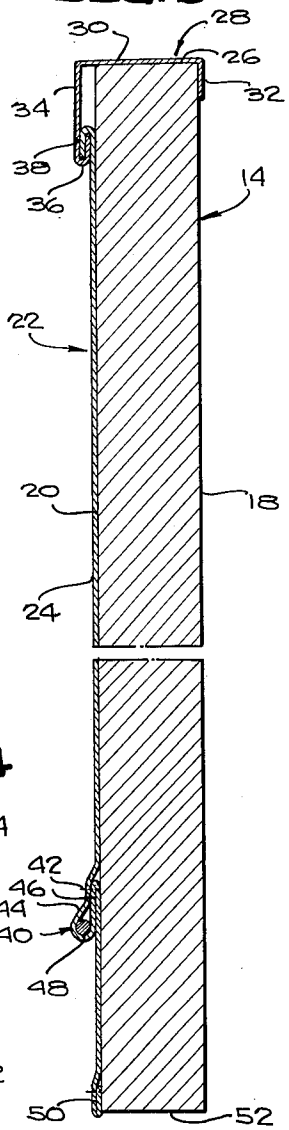


FIG. 3

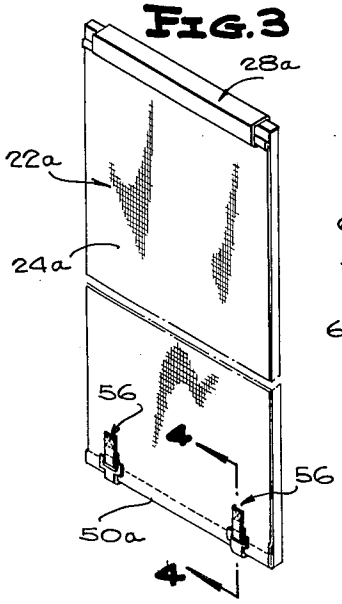
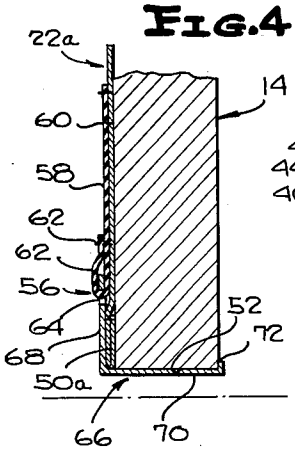


FIG. 4



INVENTOR.
BENNY S. EURE

BY

McMorrow, Berman & Davidson
ATTORNEYS

United States Patent Office 3,029,782 Patented Apr. 17, 1962

3,029,782

PAINTER'S DOOR SHIELD

Benny S. Eure, 3306 W. Mulberry Drive, Phoenix, Ariz.

Filed Nov. 18, 1960, Ser. No. 70,278
2 Claims. (Cl. 118—505)

This invention relates to an improved painter's shield for shielding doors while exterior or interior painting of building walls is being done.

The primary object of the invention is the provision of a more efficient and more practical shield of the kind indicated which is more easily and quickly applied and removed from either side of a door, and which has novel mounting and positioning means which serve to mount the shield more securely and accurately on a door and in close engagement with the surface of a door.

Another object of the invention is the provision of a shield of the character indicated above which is uncomplex in construction, is composed of a small number of simple and easily assembled parts, and can be made in rugged and serviceable forms, at relatively low cost.

Other important objects and advantageous features of the invention will be apparent from the following description and the accompanying drawings, wherein, for purposes of illustration only, a specific form of the invention is set forth in detail.

In the drawings:

FIGURE 1 is a fragmentary perspective view showing a building wall having a door opening in which a door is hinged, and a shield of the invention mounted on the door;

FIGURE 2 is an enlarged, vertically contracted, vertical transverse section taken through FIGURE 1;

FIGURE 3 is a vertically contracted perspective view, on a reduced scale, of another form of shield of the invention mounted on a door; and,

FIGURE 4 is an enlarged fragmentary vertical transverse section taken on the line 4—4 of FIGURE 3.

Referring in detail to the drawings, wherein like and related numerals designate like and related parts throughout the several views, and first to FIGURES 1 and 2, the numeral 10 designates a building wall having a door opening 12, in which a door 14 is hinged, as indicated at 16. The door 14 has outside and inside surfaces 18 and 20, respectively, either of which can be covered by a painter's shield 22 of the present invention, mounted on the door 14. It will be understood that the shield of the invention is applicable also to objects other than building doors, such as panels having upper edges or the equivalent from which the shield can be suspended.

The shield 22 comprises a vertically elongated rectangular flexible sheet 24 of suitable material, such as canvas, the sheet 24 being slightly shorter than the height of the door 14, and at least as wide as the door. The sheet 24 is removably suspended from the upper edge 26 of the door by means of a channel bracket 28 engaged on the upper edge 26 of the door 14.

The bracket 28 is of suitable lightweight metal and comprises a flat horizontal bight portion 30, wider than the thickness of the door 14, a relatively short downwardly extending flange 32, and a relatively long downwardly extending flange 34. The long flange 34 terminates, at its lower edge, in an inwardly and upwardly directed hook flange 36, into which the upper edge of the sheet 24 is downwardly and clamped, as indicated at 38, in FIGURE 2. The spacing of the hook flange 36 from the adjacent door surface is such that the main part of the sheet 24 is held engaged with door surface, such as the inside door surface 20, and hangs free in engagement with the surface 20.

Hold-down means for the sheet 24 is provided at a location near to and spaced above the lower edge of the

sheet 24, the material of the sheet being folded upon itself to provide a horizontal tube 40, in the outer side of the sheet, the formation of which is completed by a line of sewing 42 which extends through the sheet 24, and through the upper part of the outer flight 44 and the upper part of the inner flight 46 of the tube, whereby the tube depends along the outer side of the sheet to a point below the line of sewing. The tube 40 acts as the receptacle for a removable heavy hold-down rod 48, and the tube and the rod together serve as means for weighting the lower part of the sheet and holding the sheet conformably engaged, throughout its length and width, with the surface of the door 14, even when wind is blowing. The sheet 24 is hemmed, at its lower end, as indicated at 50, and the hem 50 preferably extends slightly below the lower edge 52 of the door.

The mounting bracket 28 is preferably slightly shorter than the sheet 24 and the width of the door 14, while the vertical side edges 54 of the sheet 24 reach to or extend slightly beyond the side edges of the door. Installation of the shield 22 is simply a matter of engaging the bracket 28 over the upper edge of the door, with the sheet 24 centered relative to and in completely covering relation to the door, and engaging the weighting rod 48 in the tube 40; and removal of the shield requires merely disengaging the bracket 28 from the upper edge 26 of the door.

The form of shield, shown in FIGURES 3 and 4, and generally designated 22a, is the same in construction and arrangement as that of FIGURES 1 and 2, except that the hold-down means comprises instead a pair of laterally spaced tensioned anchors 56. Each of the anchors 56 comprises a vertically elongated strap 58, of resilient and stretchable material, such as rubber-like material, which, at their upper ends, are suitably affixed to the outer side of the sheet 24, as by means of sewing 60, at a location near to and spaced upwardly from the hem 50a. A loop 62 is formed on the lower end of the strap 58, with its upper end secured to the sheet 24, as indicated at 62. The loop 62 passes through a horizontally elongated eye or slot 64 of a hold-down bracket 66.

The hold-down bracket 66 is an L-shaped rigid sheet metal form, having a vertical standard 68 engaged with the outer side of the sheet 24 and having the eye 64 or its upper end, and a horizontal foot portion 70, which engages the lower edge of the door 14, with the straps 58 in stretched condition, and terminates at its free end, in an upstanding retaining flange 72, which engages behind the inner surface of the door 14.

Although there have been shown and described herein preferred forms of the invention, it is to be understood that the invention is not necessarily confined thereto, and that any change or changes in the structure of and in the relative arrangements of components thereof are contemplated as being within the scope of the invention as defined by the claims appended hereto.

What is claimed is:

1. A painter's shield for a door having an exposed surface, said shield comprising a flexible sheet of the area of the exposed surface, a mounting channel bracket secured to the sheet at the upper end of the sheet and adapted to be engaged over the upper edge of a door with the sheet suspended in contact with the exposed surface, a horizontal tube located on the side of the sheet remote from a door adjacent to and spaced from the lower end of said sheet, a heavy rod engaged in the tube, and a hem extending along the lower end of said sheet and projecting slightly below the lower edge of said door.

2. A painter's shield for a door having an exposed surface, said shield comprising a flexible sheet of the area of the exposed surface, a mounting channel bracket secured to the sheet at the upper end of the sheet and adapted to

be engaged over the upper edge of a door with the sheet suspended in contact with the exposed surface, and hold-down means secured on a lower part of the sheet, said hold-down means comprising anchor means adapted to be engaged around the lower edge of a door, said anchor means comprising an anchor bracket for embracing the lower edge of a door, said anchor bracket having an element on the sheet at the side of the sheet remote from an exposed surface of a door, and a tensioned resilient and stretchable strap connected at one end to said element and at its other end to the sheet at a location above said element.

References Cited in the file of this patent

UNITED STATES PATENTS

1,799,913	Lemmons	Apr. 7, 1931
1,817,928	Panitzsch	Aug. 11, 1931
2,227,453	Koch	Jan. 7, 1941
2,290,472	Hendrick	July 21, 1942