Feb. 24, 1948. F. L. THOMPSON 2,436,533

DOOR HOOK

Filed July 25, 1946

FIG. 1.

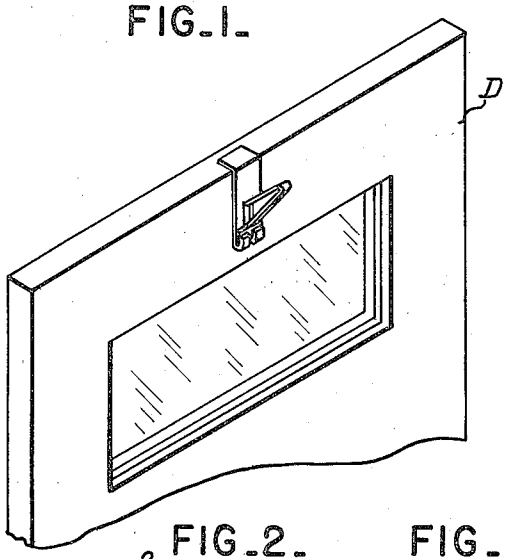


FIG. 5.

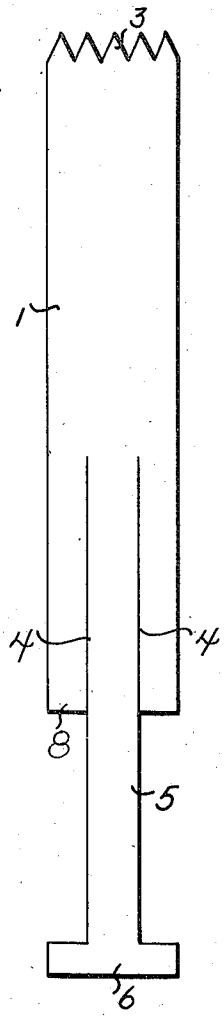


FIG. 2.

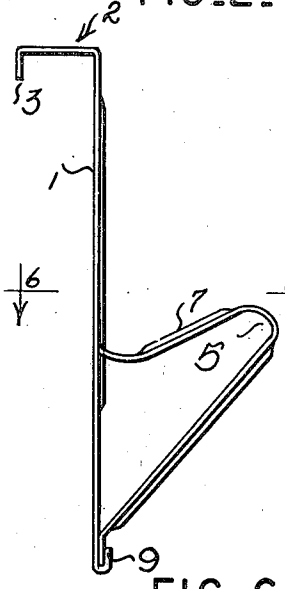


FIG. 3.

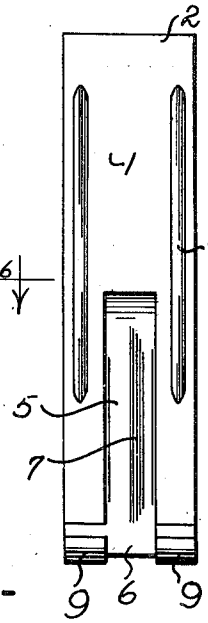


FIG. 4.

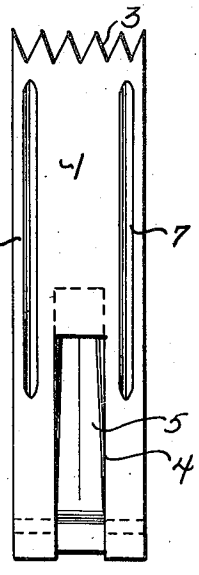
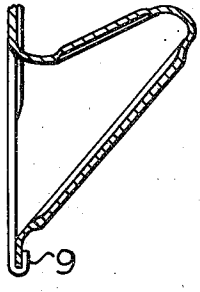


FIG. 6.



INVENTOR.

FLOYD L. THOMPSON

BY Victor J. Evans & Co.

ATTORNEYS

Patented Feb. 24, 1948 2,436,533

UNITED STATES PATENT OFFICE

2,436,533

DOOR HOOK

Floyd L. Thompson, Los Angeles, Calif., assignor to Pat Thorne, Los Angeles, Calif.

Application July 25, 1946, Serial No. 686,070

3 Claims. (Cl. 248—301)

1

My present invention relates generally to the class of supports, and more specifically to a door hook or hanger of the type having means to penetrate the top edge of a door and be suspended therefrom in position for use especially in supporting clothes-hangers, as well as garments, and other articles of personal wear.

The primary object of the invention is the provision of an integral support of this character that is simple in construction and which may readily be manufactured in quantities at low cost of production, and installed without necessity for use of special tools.

While the device of my invention is well adapted for various uses, it is especially designed for use by transients as a portable and temporary hanger on hotel-doors, as well as for use as a durable and permanent fixture upon a household door or other structure, without marring the structure or detracting from its appearance.

The invention consists in certain novel combinations and arrangements of parts in the integral supporting hook or hanger as will be more particularly described, and set forth in the appended claims. In the accompanying drawings I have illustrated one complete example of the physical embodiment of my invention in which the parts are combined and arranged in accord with one mode I have devised for the practical application of the principles of my invention. It will be understood, however, that various changes and alterations may be made in these exemplifying drawings and mechanical structures, within the scope of my claims, without departing from the principles of the invention.

Figure 1 is a perspective view showing so much of a conventional door as is necessary to illustrate the location and manner of attaching the hook or hanger to the door.

Figure 2 is an enlarged detail view in side elevation of the fixture.

Figure 3 is a face view in front elevation of the support or hook.

Figure 4 is a face view in rear elevation of the support.

Figure 5 is a plan view of a sheet-metal blank made from stock, and from which blank the fixture is fashioned.

Figure 6 is a vertical section view taken medially of the device, as at line 6—6 of Fig. 2.

In manufacturing the device of my invention it is shaped from the original blank of sheet metal shown in Fig. 5 which blank is stamped, pressed, or otherwise tooled from suitable stock material.

2

The blank is fashioned to form a flat rectangular base plate 1, the upper end of which is bent back to form a hook-jaw 2 that terminates in a row of teeth 3, and the teeth are designed to penetrate a wood structure, as the top edge of the door D, for suspending the fixture on the face of the door. The teeth may be fastened to the door by light taps upon the top face of the hook-jaw to provide a substantial attachment for the fixture, and, if and when necessary or desirable the teeth may be disengaged from the door without distorting the fixture and also without marring the door structure.

The lower end of the plate is bifurcated or split on parallel lines at 4, 4, to form a central slot in the plate and provide an integral, preferably narrow tongue 5, which at its free end terminates in an inverted T-head 6.

The tongue 5 and the plate 1 are preferably fashioned with longitudinally extending reinforcing ribs 7, and the tongue is bent to form a forwardly projecting approximately V-shaped main supporting hook identified as 5 in the completed fixture.

The T-head at the end of the tongue, in the completed fixture, forms a pair of oppositely extending lateral lugs indicated as 6; and the removal of the tongue from the bifurcated end of the plate leaves a slot designated as 4 in the completed fixture.

The lower ends 8 of the bifurcated plate 1 are bent forwardly and upwardly to form front retaining hooks that are designated as 9, 9, in the completed fixture, and these retaining hooks receive and retain the fastening lugs 6, 6, of the main supporting hook.

The upper leg of the V-shaped supporting hook 5, as shown, is preferably inclined to the horizontal to prevent displacement of a clothes-hanger, or of a garment that is suspended from the hook, and the lower leg of this hook, which is supported by the hook and lug connection, is diagonally arranged as a brace for the supporting hook.

The fixture may be fashioned in various sizes and shapes for supporting loads of different weights, and the blanks from which the fixture is made may be thin sheet steel or other appropriate material, and as illustrated the completed article is a compactly arranged durable, and strong support for the performance of its required functions.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. An integral support including an upright

sheet metal plate having a hooked-jaw and penetrating teeth at its upper end, a pair of upwardly bent front retaining hooks at its lower end, a forwardly projecting generally V-shaped supporting hook intermediate its ends, and a pair of laterally projecting fastening lugs on the lower leg of the supporting hook engaged in said retaining hooks.

2. An integral support including a slotted upright sheet metal plate having a hooked-jaw and penetrating teeth at its upper end, a pair of spaced upwardly bent front retaining hooks at its lower end, a forwardly projecting supporting hook intermediate its ends, and the lower leg of the supporting hook having a T-shaped end engaged in said spaced retaining hooks.

3. An integral support including a ribbed and slotted sheet metal plate having a hooked-jaw and penetrating teeth at its upper end, a pair of spaced upwardly bent front retaining hooks at its lower end, a forwardly projecting supporting hook intermediate its ends and composed of angular ribbed legs, and the lower leg of the supporting hook terminating in a T-shaped end engaged in said spaced retaining hooks.

FLOYD L. THOMPSON.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,465,659	Wheeler	Aug. 21, 1923
2,291,178	Vanderwerp	July 28, 1942

FOREIGN PATENTS

Number	Country	Date
20,213	Great Britain	Sept. 24, 1898