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2,792,247

DOOR EDGE LOCK CLIP

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Fig. 1.

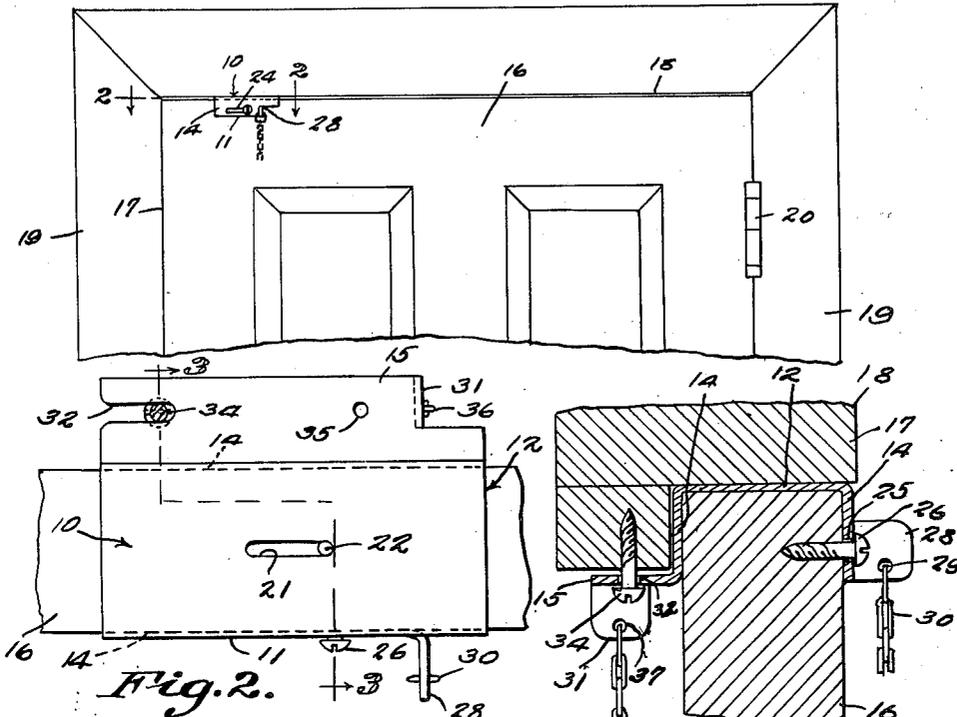


Fig. 2.

Fig. 3.

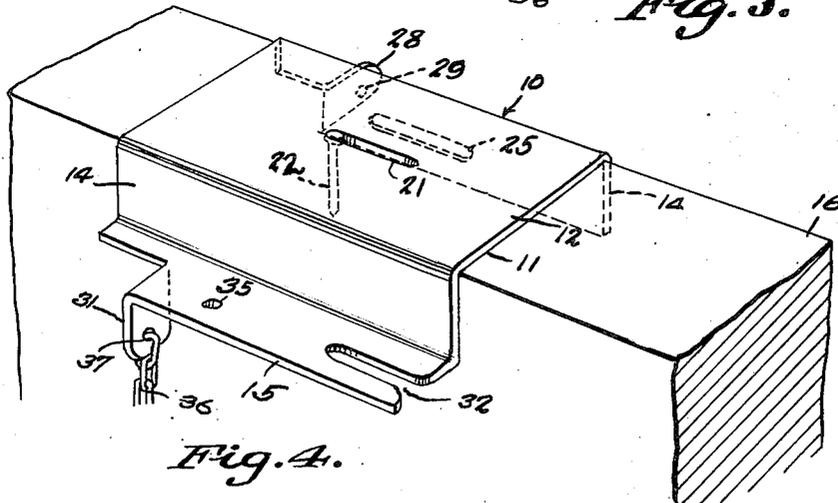


Fig. 4.

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DOOR EDGE LOCK CLIP

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1 Claim. (Cl. 292—141)

This invention relates to an over door fastener or lock engageable over an edge of a door for supporting a door actuating member or chain on each side of the door.

It is an object of this invention to provide a door edge locking clip engageable over the upper edge of a door having a door actuating member depending on either side of the door whereby the door may be opened or closed by persons naturally unable to manually reach to the upper edge of the door.

It is another object of this invention to provide a clip for engagement over and with the upper edge of a door having a door actuating member on both sides of the door so that even a child may reach the door actuating members applied to the clip for selectively opening and/or closing the same.

It is a further object of this invention to provide a door edge fastening clip of the kind to be more particularly described hereinafter which is easy in construction and economical in cost whereby such clips may be easily manufactured and distributed for sale at an economical cost.

Other and further objects and advantages of the invention will be hereinafter described and the novel features thereof defined in the appended claim.

In the drawings:

Fig. 1 is a side elevation of the upper edge of a door and door frame, partly broken away, constructed and arranged according to an embodiment of my invention.

Fig. 2 is a fragmentary side elevation of the clip on a door, the door being partly broken away, taken on the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary detailed section taken on the line 3—3 of Fig. 2.

Fig. 4 is a perspective view of the clip on a door, the door being partly broken away and partly in section.

Homes are constructed at the present time with doors which may be moved by manual force from one position to another and such movement of the doors is such that it may be accomplished by a child from either side of the door. I have provided a releaseable lock which may be clipped onto the upper edge of a door for locking the door in a closed position, the locking clip being so related to the door and floor that it may not be moved except at the time when it is desired to open or close the same. This door lock clip is engageable with the door and slidable thereon so that the locking clip may be adjusted by a person whose reach does not attain the upper edge of the door.

The door lock clip of my invention is formed of a door lock clip 10 which has a clip portion 11 engageable with and over the upper edge of the door, the clip portion being U-shaped in configuration with a horizontally extending bight portion 12 and vertically extending sides 14 and 14^a disposed on the opposite sides of the door. The entire door lock clip 10 is adapted to be made of a single strip of flat sheet material, or the like bent and formed to the desired configuration.

The clip portion 11 has a flange 15 extending from

flange or arm 14 extending longitudinally of the flange 14 on one side of the door 16.

The door 16 is hingedly mounted within a door frame 17, the reference numeral 18 referring to a header of the door frame 17. Vertically extending stiles 19 are provided between the header 18 and the floor, not shown, above which the door 16 and door frame 17 are located. Door hinges 20 support the door 16 from one of the stiles.

There is provided a slot 21 extending longitudinally of the bight 12, as clearly shown in Fig. 4 of the drawings, and by this slot the longitudinal position of the clip is determined by temporarily positioning nail 22 therethrough which is engaged through the slot 21 and anchored in the door 16.

This clip locating nail 22 and slot 21 provide for the accurate longitudinal positioning of the clip relative to the door 16.

Flange or arm 14^a of the clip portion 11 is formed with a longitudinally extending slot 25 through which the screw 26 slidably engages. Screw 26 forms a clip fastening element and slidably secures the clip portion 11 on the upper edge of the door.

An ear 28 is bent or struck, from flange 14^a adjacent to and spaced from one end of the slot 25. The ear 28 has a hole 29 therethrough for the purposes to be hereinafter described.

The end link of the chain 30 is engaged through the hole 29 so that a door actuating member may be connected to the door locking clip 10.

Another ear 31 is provided on the end of flange 15, being struck therefrom, and longitudinally spaced from one end of the end opening slot 32 in the flange 15 as clearly noted in Fig. 4 of the drawings.

The screw 34 is positioned transversely of the end opening slot 32 and anchored in the header and frame within which the door locking clip 10 is being used. In order that the door lock screw 34 may be properly located for engagement in the slot 32, a hole 35 is formed in flange 15 which hole 35 is longitudinally spaced from the closed end of the slot 32 on the flange 15 to receive the end of a nail to mark the place for positioning screw 34, so that the screw falls in a line with the longitudinal axis of said slot 32. The chain 36 has one link thereof engaged through the opening or hole 37 through the ear 31 of the secondary flange 15 for effecting sliding movement of said clip 10.

For the use and operation of the improved door lock clip described above the clip portion 11 is initially engaged on the upper edge of the door 16 while the chains, to which the door actuating members are connected, are dependently secured at one end thereof to the respective ears of the door lock clip. By the length of the chains the lowered position of the door operating means, not shown in the drawings, may be determined so that the door actuating means will be positioned sufficiently high to prevent the opening of said door by children. From a consideration of such a U-shaped clip for the door it can be readily understood that the bight portion 12 of the clip portion will engage between the upper edge of the door and the lower surface of the header 18 of the door frame 17.

While the specific details of one embodiment of this invention have been herein shown and described, the invention is not confined thereto as changes and alterations may be made without departing from the spirit and scope thereof as defined in the appended claim.

I claim:

A door edge clip of the kind described comprising a U-shaped member engageable on the upper horizontal edge of a door in straddling relation thereto, said member including a horizontal bight and a pair of depending

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arms engaging on the opposite sides of the door, a right-angle flange extending from one of said arms, said flange being provided with a positioning hole intermediate the length thereof through which a position locating instrument may be applied and a longitudinally extending slot opening through one end of said flange in linear alignment with said hole, a depending ear on said flange at the end thereof opposite from said slot, a perpendicularly related ear on one end of the other of said arms, said other arm having a longitudinal slot therein, a pair of chains secured one to each of said ears, said bight having an elongated longitudinal slot therethrough parallel to said arms, a clip positioning element engaged through said

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slot in said bight and anchored in said door, and a clip fastening element engaged through said slot in the other of said arms.

References Cited in the file of this patent

UNITED STATES PATENTS

1,185,217	Lilly -----	May 30, 1916
1,270,117	Charlberg -----	June 18, 1918
1,284,741	McManus -----	Nov. 12, 1918
1,496,822	Moore -----	June 10, 1924
1,935,941	Chandonia -----	Nov. 21, 1933

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