

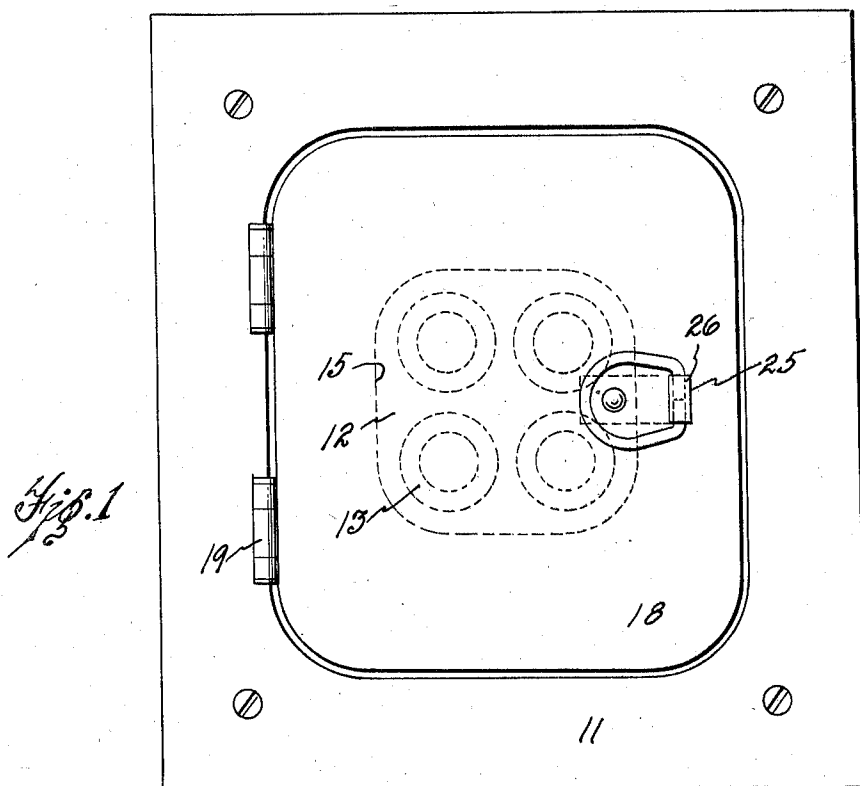
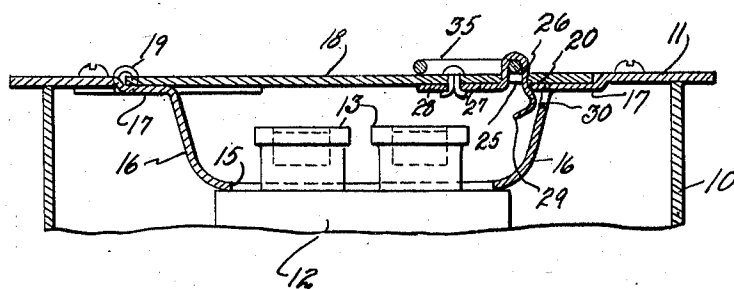
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CLOSURE FASTENER

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UNITED STATES PATENT OFFICE

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CLOSURE FASTENER

Application filed April 29, 1927. Serial No. 187,529.

The present invention relates to closure fasteners and particularly to devices of the sort especially suitable for the doors of fuse cabinets used in electric wiring systems.

5 Among the objects of the invention is a fastener that is cheap, durable and effective.

Another object is a fastener that is quickly and easily assembled and adjusted, and which will maintain the door securely closed but will offer little difficulty in opening.

Still other objects will readily appear to those skilled in the art upon reference to the following description and accompanying drawings in which:—

15 Fig. 1 is a front elevation of a fuse cabinet provided with the fastener;

Fig. 2 is a horizontal section therethrough.

The cabinet comprises a metal box 10 mounted in any suitable fashion but preferably so that the cover member 11 is flush with or lies with its edges flat upon a wall surface (not shown). Within said box is mounted an insulating block 12 providing suitable mountings for the fuses 13.

25 The cover member consists of a metal plate provided with a central depressed portion in which is an opening 15 through which project the fuses 13, the depressed portion around the opening 15 forming a depending flange 16.

30 Near the plate surface, flange 16 is formed with a shoulder 17 and this shoulder is below the plate surface a distance equal to the thickness of door 18 hinged to the plate as at 19 and of such size and shape as to lie, when closed, upon said shoulder and flush with the outer surface of the plate as shown in Fig. 2.

35 Opposite the hinges 19, it is preferred to punch up a tongue 20 to coact with the door fastener to be described.

40 Near the edge of door 18 opposite hinges 19 a small rectangular opening 25 is provided and through this extends a loop 26 of a short strap of metal 27. One end 28 of the strap 27 is bent back against the inner surface of the door 18 and riveted as shown or welded or secured in any suitable fashion.

45 The other end 29 of the strap is bent outwardly at a small angle then bent back to form a hump or projection 30. This hump is provided with sloping sides as shown and

so located as to strike tongue 20 when the door is being closed and be sprung back thereby, springing out below the tongue when the door has reached fully closed position as in Fig. 2. Strap 27 is preferably of spring steel 55 so that it will yield as mentioned to permit closing or opening the door but, in closed position, will press tightly against the tongue 20 with the hump 30 below the tongue and thereby maintain the door closed.

60 An operating handle is preferably secured to the door 18 and this is preferred to be in the form of a ring 35 passing through loop 18.

The closure fastener forming the subject matter of this application is shown and described but not claimed in application for Patent Serial No. 49,709 filed Aug. 12, 1925 by the present applicant.

Having now described the invention and the preferred form of embodiment thereof it is to be understood that the said invention is to be limited, not to the specific details herein set forth but only by the scope of the claims which follow.

I claim:—

75 1. In a closure fastener for doors, comprising a spring metal strip formed with a loop intermediate its ends, said loop projecting through said door and having a handle secured thereto, means for securing one end of said strip to the inner surface of said door, the other end of said strip being free and provided with a hump or projection, and a tongue in the opening for said door adapted to project into the path of said hump or projection when said door is being moved to offer resistance to said movement, said free end carrying said hump being flexible to permit passing said tongue.

80 2. A door fastener combining a flexible metal strip having one end secured to the inner surface of said door and its intermediate portion formed into a loop extending through said door to furnish means whereby a handle may be secured, the other end being formed to provide a projection with sloping sides which engage a projection of the door opening, said projections being so located as to offer resistance to the movement of said door from an entirely closed position.

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3. A door fastener combining a flexible metal strip having one end secured to the inner surface of said door and its intermediate portion formed into a loop extending through said door and a handle engaged in said loop, the other end being formed to provide a projection with sloping sides which engage a projection of the door opening, said projections being so located as to offer resistance to the movement of the door from an entirely closed position.

4. A door fastener combining a flexible metal strip having one end secured to the inner surface of said door and its intermediate portion formed into a loop extending through a slot in said door and a handle engaged in said loop preventing the inward movement of the loop through said opening in door, the other end being formed to provide a projection with sloping sides which engage a projection of the door opening, said projections being so located as to offer resistance to the movement of the door from an entirely closed position.

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