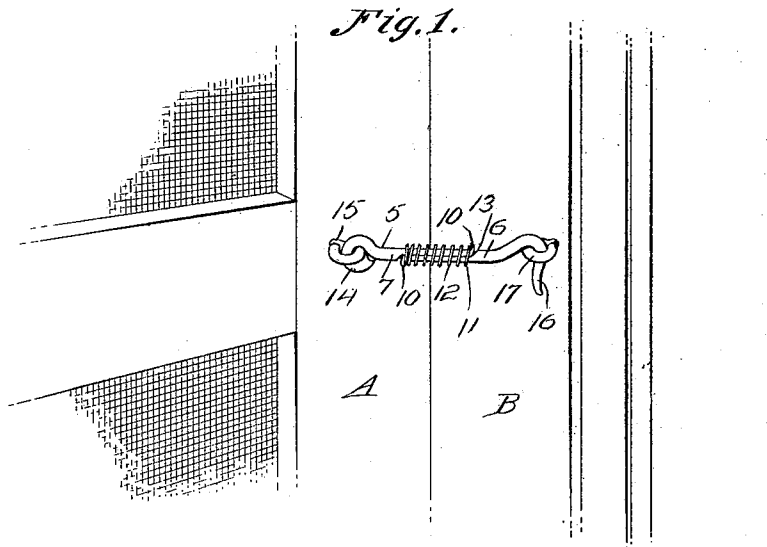
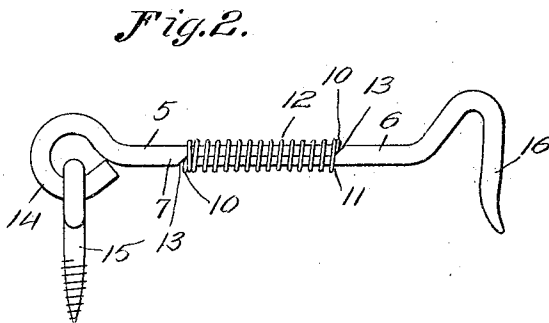
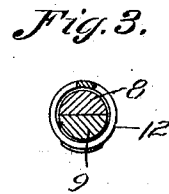
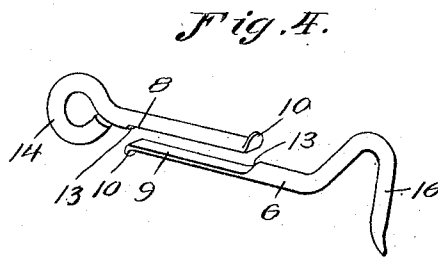


R. R. MYERS.
DOOR HOOK OR FASTENER
APPLICATION FILED SEPT. 22, 1919

1,369,699.

Patented Feb. 22, 1921.



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ROY RANKIN MYERS, OF CHICAGO, ILLINOIS.

DOOR HOOK OR FASTENER.

1,369,699.

Specification of Letters Patent.

Patented Feb. 22, 1921.

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To all whom it may concern:

Be it known that I, ROY RANKIN MYERS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Door Hooks or Fasteners, of which the following is a specification.

The invention relates to a door or other swinging closure latch, hasp, or the like, and more particularly to the class of resilient hooks for doors and other closures.

The primary object of the invention is the provision of a hook of this character, wherein a door or other closure, when fastened, will be firmly held in closed position, so as to be tight within the door frame, to avoid the rattling of the door or other closure.

Another object of the invention is the provision of a hook of this character, wherein the same is automatically adjustable to permit the convenient latching or fastening of a door or other closure in closed position and to sustain the same tight within a door frame.

A further object of the invention is the provision of a hook of this character, which is extremely simple in construction, thoroughly reliable and efficient in its purpose, strong, durable, readily and easily adjusted for the fastening of the door or other closure, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts, as will be hereinafter fully described, illustrated in the accompanying drawing and pointed out in the claims hereunto appended.

In the accompanying drawing:

Figure 1 is a fragmentary perspective view of a screen closure or door and door frame, with the hook constructed in accordance with the invention applied thereto and fastened.

Fig. 2 is a side elevation of the hook removed from the door.

Fig. 3 is an enlarged vertical transverse sectional view taken intermediate of the hook.

Fig. 4 is a perspective view of the sections of the hook separate from each other.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A,

designates generally a portion of screen door, which is of any approved construction, and, B, a portion of the vertical stile of a door frame, which also is of any approved construction, the screen door A, being shown closed in Fig. 1 of the drawing, and thereon is mounted the hook hereinafter fully described.

The hook comprises slidably, related sections 5 and 6 respectively, each formed with a straight shank 7, having for a major portion of its length a cut-away portion 8, providing a flat face 9, the cut-away portion 8 serving to reduce the shank in cross section for the major portion of its length so that said reduced portions of both shanks 7 of the sections 5 and 6 may be disposed in overlapped relation to each other and the flat meeting faces 9 slidably contacted, one with the other.

The free ends of the reduced portions of the shanks 7 of said sections 5 and 6, are outturned to provide abutment lips 10, for the adjacent coils 11 of a convoluted expandible spring 12, which surrounds the overlapped reduced portions of said shanks 7, and in this manner the sections 5 and 6 are slidably and resiliently connected together.

The reduced portions of the shanks 7 at the inner ends of the flat faces of said sections form shoulders 13, to be engaged by the lip ends 10, so as to limit the sliding movements of the sections 5 and 6 in one direction relative to each other.

The section 5 at its outer end portion is formed with an eye 14, which loosely engages an eye screw 15 the latter being engaged in the door A for swingingly connecting the hook thereto as is clearly shown in Fig. 1 of the drawing.

The section 6 of the hook has its outer end portion formed with a hook bill 16, for detachable engagement in an eye screw 17, which is mounted in the vertical stile B of the door frame so that the hook can be detachably fastened when the door A is closed.

The hook is self adjustable and will automatically operate when in use to sustain the door tightly closed in the door frame.

It will be apparent that the spring 12 serves to hold the sections 5 and 6 of the hook together, and also permits the sliding of these sections relative to each other in the adjustment of the hook.

From the foregoing it is thought that the

construction and manner of operation of the hook will be clearly understood and therefore a more extended explanation has been omitted.

5 What is claimed is:

1. A fastener of the class described comprising separable slidably related sections, each including a shank having a portion thereof on one side cut away to form a flat
10 face, said cutaway portions being arranged in overlapped relation with their flat faces slidably contacting to prevent turning of one section relatively to the other, cooperating means carried by said sections to limit
15 their sliding movement in one direction, and a coiled spring encircling said lapped portions, said spring performing the double function of a connector for the sections and as means for holding them against lateral
20 separation also as resilient means for permitting their longitudinal movement relatively to each other.

2. A fastener of the class described comprising separable slidably related sections, each including a shank having a portion
25 thereof on one side cut away to form a flat face with a shoulder at its inner end and an outturned lip at its outer end, said lip and shoulder extending laterally in opposite directions, said cutaway portions being arranged in overlapped relation with their
30 flat faces slidably contacting to prevent turning of one section relatively to the other, the lip of one section engaging the shoulder of the other section to limit the sliding
35 movement of the sections in one direction, and a coiled spring encircling said lapped portions between said lips to hold said sections against lateral movement and to permit them to move longitudinally in one direction.
40

In testimony whereof I affix my signature hereto.

ROY RANKIN MYERS.