F. G. HEPBURN.

DOOR CATCH.

APPLICATION FILED APR. 6, 1912.

1,068,899.

Patented July 29, 1913.

Fig. 1.

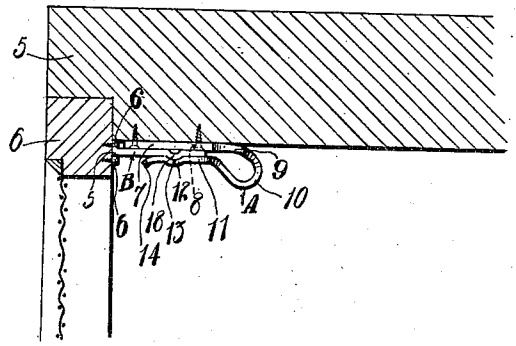


Fig. 2.

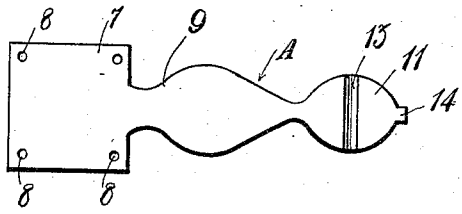


Fig. 3.

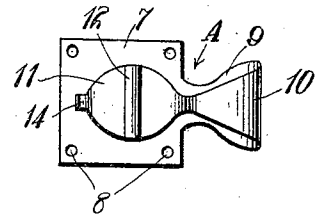


Fig. 4.

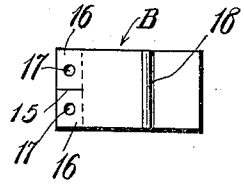
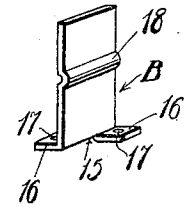


Fig. 5.



Witnesses

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DOOR-CATCH.

1,068,899. Specification of Letters Patent. Patented July 29, 1913.

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To all whom it may concern:

Be it known that I, FREDERICK G. HEPBURN, a citizen of the United States, residing at Manchester Center, in the county of Bennington, State of Vermont, have invented certain new and useful Improvements in Door-Catches; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improvement in screen or other door catches.

The principal object of this invention is to provide a screen door catch and check adapted to be respectively applied to the door and to the casing for automatically retaining the door in its closed position.

Another object of the invention is to provide a device for the purpose described which is extremely simple in construction, being composed of only two parts, and is therefore cheap to manufacture.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction within the scope of the claim, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing: Figure 1 is a vertical sectional view through a portion of a screen door and casing, showing the application of the invention thereto, Fig. 2 is a plan view of the blank from which one of the catch members is formed, Fig. 3 is a plan view of such a member, Fig. 4 is a plan view of the blank from which the other member of the catch is formed, and Fig. 5 is a perspective view of said member.

Like reference numerals designate corresponding parts in all the figures of the drawing.

Referring to the drawing, 5 designates a door casing and 6 a screen door.

My invention comprises two members A and B respectively. The member A is formed from flat metal and one end thereof is preferably formed of rectangular formation to constitute a base 7, said base being formed with a plurality of openings 8 through which screws or other fastening devices are adapted to be positioned for securely holding said parts to the door casing 5. Extending from the base and integral therewith is a reduced portion which gradually tapers, as indicated by the reference numeral 9, said portion being rebent as indicated at 10, and terminates in a head 11, said head being disposed above and in spaced relation to the base 7. The head is formed with a transverse and outwardly extending rib 12 forming a consequent groove 13. The extreme end of the head is formed with a reduced tongue 14, which is curved upwardly from the base 7 and constitutes a guiding means for the member B. The member B is also formed from a strip of flat metal, and one end thereof is split, as indicated by the reference numeral 15, to form spaced ears 16—16 which are bent oppositely and at right angles to the body portion. Formed in the ears 16 are openings 17 for the reception of screws or other fastening means, whereby said member B can be attached to the door frame 6. The body portion of the member B is also formed with a transverse rib 18 adapted to be seated within the transverse groove 13 of the head 11 when the door is in its closed position. It will furthermore be observed that the reduced and rebent portion 9 of the member A causes the head 11 to be yieldingly held so as to frictionally engage the member B. When the door is being closed the member B will be guided into the opposite position by means of the tongue 14 of the member A. This means will securely hold the door 6 against accidental opening, although permitting the said door to be readily opened when so desired.

What is claimed is:

As an article of manufacture, a door catch comprising a member formed from a strip of flat metal having one end split to form attaching ears, said ears being bent oppositely and at right angles to the body portion, and apertured for receiving securing means, and a holding member having a rectangular base, a reduced oval shaped extension terminating in a second oval portion, an ear on said second oval portion, said first

oval portion bent on itself so as to resiliently hold the second oval portion in relation to the base member, said second oval portion provided with a U-shaped groove on its under face and the ear on said portion curved to form a guide means.

In testimony whereof, I affix my signature, in presence of two witnesses.

FRED. G. HEPBURN.

Witnesses:
EMMA S. GRIFFITH,
GRACE K. EDGERTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."