Nov. 26, 1929. W. PRICE 1,737,093

COMBINED DOOR CHECK AND CLOSER

Filed May 14, 1928

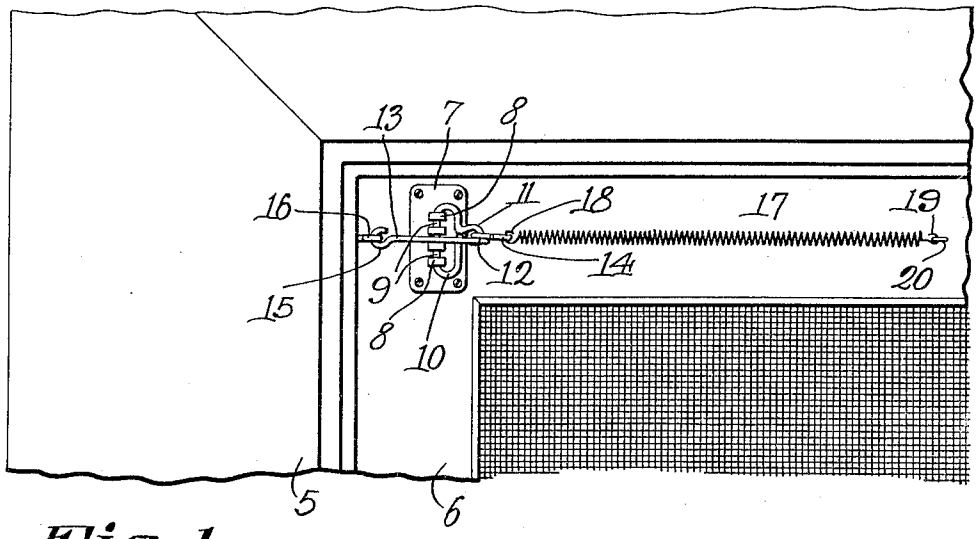


Fig. 1.

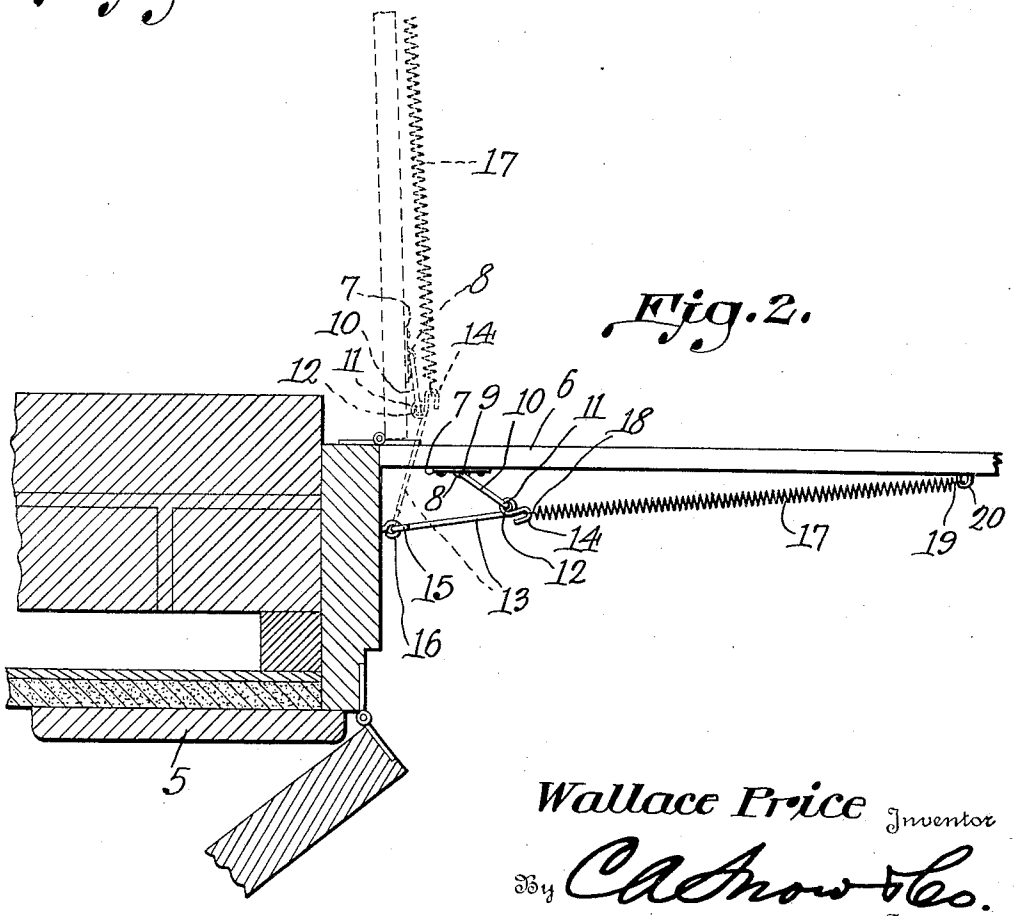


Fig. 2.

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UNITED STATES PATENT OFFICE

WALLACE PRICE, OF EDINBURG, ILLINOIS

COMBINED DOOR CHECK AND CLOSER

Application filed May 14, 1928. Serial No. 277,653.

This invention relates to a combined door check and closer, the primary object of the invention being to provide novel means whereby a screen door or the like closure will be returned to its closed position when opened to a predetermined distance, and one which will hold the door in its open position when the door is moved to the limit of its open position.

Another object of the invention is to provide a device of this character which may be readily and easily positioned by persons unfamiliar with mechanics and one which will operate efficiently to accomplish its purpose.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a fragmental elevational view illustrating a device constructed in accordance with the invention, as secured to a screen door.

Figure 2 is a plan view thereof, the door being shown in dotted lines as in its open position.

Referring to the drawing in detail, the reference character 5 designates the door frame in which the screen door 6 operates. Secured to the screen door is a plate 7 formed with apertured lugs 8 in which the right angled ends 9 of the loop member 10, are supported so that the loop member 10 may swing freely.

The loop 10 is formed with an offset portion 11 that cooperates with the loop 12 of the controlling rod 13 which is formed with a hook 14 at its forward end and a hook 15 at its rear end, the hook 15 being positioned in the screw eye 16 that in turn is positioned in the door frame.

As clearly shown, the screw eye 16 is positioned in spaced relation with the hinges of the screen door so that the rod 13 will extend at an angle with respect to the door frame when the screen door has been moved to the limit of its open position.

The reference character 17 indicates a coiled spring which is formed with a hook 18 to be positioned over the hook 14 to secure the spring 17 to the rod 13. At the opposite end of the spring 17 is a hook 19 that is hooked into the screw eye 20 which in turn is secured to the screen door.

From the foregoing it will be obvious that due to the construction shown and described the spring 17 will, under ordinary conditions act to move the screen door to its closed position, but will, when the screen door is moved to the limit of its open position, act to hold the door in its open position, by reason of the fact that the coiled spring 17 is acting to pull the loop member 10 outwardly.

I claim:

In combination with a door and its frame, an actuating device including a controlling rod pivotally connected with the frame of a door, a loop member pivotally connected with the door and having an elongated offset portion, said rod being looped around the offset portion at a point adjacent to the outer end of the rod, said rod having a hook formed at its outer end, a coiled spring having one of its ends connected with the hook, the opposite end of the spring being secured to the door to exert a pull on the controlling rod.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

WALLACE PRICE.