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J. C. GRIFFIN

1,678,982

SPRING BOLT

Filed Dec. 13, 1926

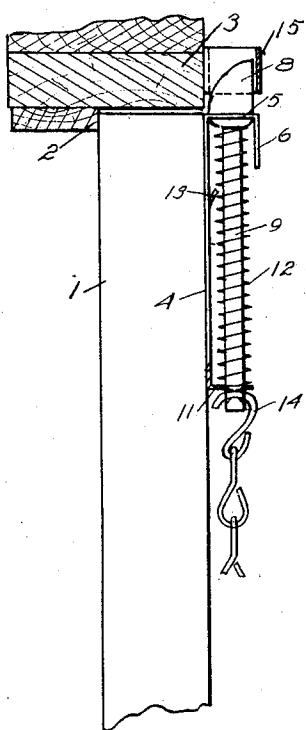


FIG. 1.

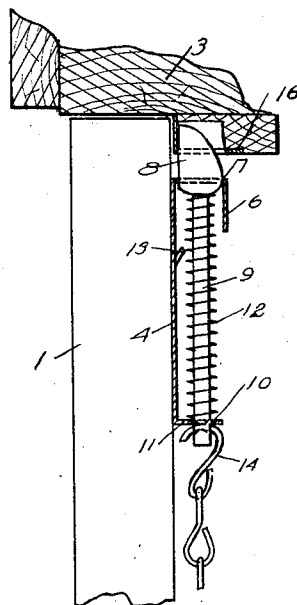


FIG. 2.

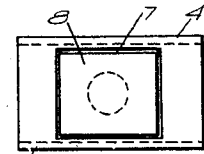


FIG. 4.

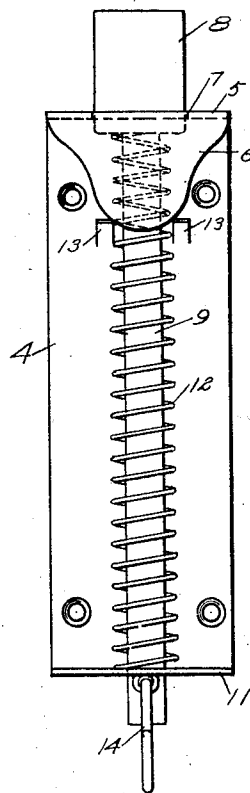


FIG. 3.

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UNITED STATES PATENT OFFICE.

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SPRING BOLT.

Application filed December 13, 1926. Serial No. 154,454.

This invention is designed to make an efficient but very inexpensive spring bolt. Features and details of the invention will appear from the specification and claims.

5 The invention is illustrated in the accompanying drawings as follows:—

Fig. 1 shows a side elevation of the bolt in place with the bevel arranged toward the door.

10 Fig. 2 a similar view with the bevel reversed.

Fig. 3 a front elevation of the bolt.

Fig. 4 an end elevation of the bolt.

15 1 marks the door, 2 a door jamb and 3 a door casing.

The bolt is formed of strap metal having a base portion 4 on which there is an upturned end 5 and a return bend 6. The upturned end 5 has a perforation 7 forming a 20 bolt guide.

A bolt head 8 extends through the perforation 7 and has a shank or extension 9 which extends through a perforation 10 in a rear end 11 which is up-turned from the 25 base 4.

A spring 12 is arranged around the shank 9 and seated against the head and the rear end. Stops 13 are struck up from the bottom and are in the path of the head so as to 30 limit the rearward movement of the bolt. A chain hook 14 is secured to the end of the shank 9 and not only affords a means for operating the bolt but also a stop operating on the rear end for holding the bolt in place.

35 In Fig. 1 the bolt is arranged on the outside of the door and a latch plate 15 is adapted to receive the bolt, the bevel being faced to engage and retract the bolt as the door is closed.

In Fig. 2 the head 8 is reversed and the 40 latch plate 16 is arranged at the inside of the door.

What I claim as new is:—

1. In a spring bolt, the combination of a 45 backing plate having an upturned end perforated to receive the bolt and a return bend on the upturned end; a bolt in the perforation in the upturned end, said bolt being reversible, having a beveled end slidable on the return bend with the bolt in one reversed 50 position; and a spring operating the bolt.

2. In a spring bolt, the combination of a backing plate having an upturned end perforated to receive the bolt and a return bend 55 on the upturned end; a bolt in the perforation in the upturned end, said bolt being reversible, having a beveled end slidable on the return bend with the bolt in one reversed position; a spring operating the bolt; and a stop for the bolt struck up in the backing 60 plate.

3. In a spring bolt, the combination of a backing plate having an upturned end perforated to receive the bolt and a return bend 65 on the upturned end; a bolt having a head with a shank extending therefrom, the head being beveled and arranged in the perforation, the rear end of the backing plate having an upturned perforated end receiving the shank; a spring on the shank between the 70 head and rear end; and a stop struck up in the backing plate engaging the head.

In testimony whereof I have hereunto set my hand.

JAMES C. GRIFFIN.