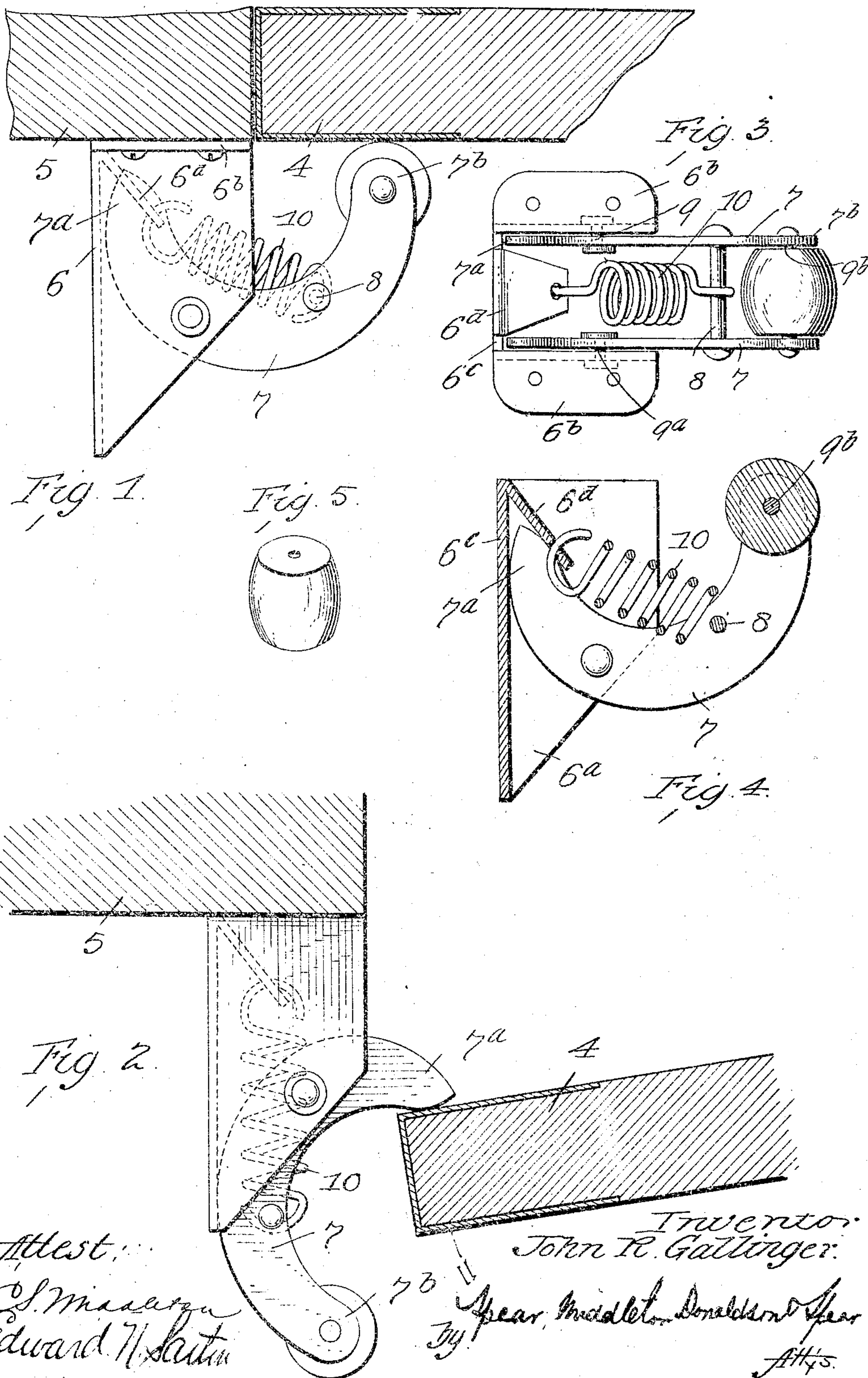


No. 845,344.

PATENTED FEB. 26, 1907.

J. R. GALLINGER.
DOOR CHECK AND HOLDER.
APPLICATION FILED JUNE 8, 1906.



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UNITED STATES PATENT OFFICE.

JOHN R. GALLINGER, OF SUPERIOR, WISCONSIN.

DOOR CHECK AND HOLDER.

No. 845,344.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed June 8, 1906. Serial No. 320,878.

To all whom it may concern:

Be it known that I, JOHN R. GALLINGER, a citizen of the United States, residing at Superior, Wisconsin, have invented certain new and useful Improvements in Door Checks and Holders, of which the following is a specification.

My invention relates to improvements in combined buffers or checks and holders, and while adapted for use in connection with any spring-closed door is especially designed for and adapted to be used with screen-doors.

It is well known that the ordinary screen-door when swung closed by the action of its spring or spring-hinges tends to fly back and remain sufficiently away from the door jamb or molding to leave a crack for the entrance of flies.

An object, therefore, of the present invention is to provide a device which will avoid this objection and which will not only serve to prevent the door from slamming violently with a loud noise, but which will serve to prevent any rebound and will hold it tightly shut until it is desired to again open it.

With these and other objects in view the invention includes the construction and arrangement of parts hereinafter described, and particularly set forth in the appended claims.

It is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view showing the door closed, the door and door-post being shown in section. Fig. 2 is a similar view showing the position assumed by the swinging retaining device or holder when the door is open. Figs. 3, 4, and 5 are detail views.

Referring by reference characters to the drawings, the numeral 4 designates the screen or other door, and 5 the door-casing at the swinging edge of the door. To this door casing or post 5 I secure a metallic casing 6, which may conveniently be formed of a single piece of sheet metal folded upon itself to form parallel side walls 6^a, the lower ends of which are turned outwardly at right angles, as shown at 6^b, and provided with holes for the reception of screws for securing the casing in place.

The central portion 6^c, which connects the two side webs, is provided with an inwardly-turned portion 6^d, which serves for the connection of the spring, hereinafter described. The catching and retaining device proper

comprises, preferably, two parallel crescent-shaped arms 7, which are connected together by suitable transverse pins or the like, as indicated at 8, and are pivotally connected to the side walls 6^a by means such as rivets 9 and 9^a. A spring 10 is provided within the casing and between the arms, one end of which is connected to the lug or projection 6^d, hereinbefore referred to, and the other end is connected to the pin 8. It will be seen that the relation of this pin 8 to the pull of the spring and the rivets is such that when the door is opened the crescent-shaped arms will be swung back until the pin 8 crosses the dead-center, when the spring will tend to hold the crescent-shaped arms pulled back against the wall 6^c of the casing, in which position the ends 7^a of the crescent-shaped arms will project at substantially right angles across the path of the free edge of the door. Supposing now the door to be swung shut by this spring, its edge will contact with this portion or portions 7^a with sufficient force to cause them to rock until the pin 8, to which the spring is connected, has crossed the dead-center, when the spring will continue the motion of the arms, causing them to pass the end or ends 7^b to swing in in rear of the edge of the door. The ends 7^b are preferably provided with a roller of any suitable yielding material, which may be suitably journaled upon the pin 9^b.

I find it desirable to provide a piece of sheet metal or similar material, which will be clamped around the edge of the door, and thereby fastened on both sides, against which the opposite ends of the crescent will act as the door is opened and closed, as shown at 11.

From the foregoing description it is thought that the construction and operation of the device will be obvious and its merit manifest.

Having thus described my invention, what I claim is—

1. In combination, a bracket of sheet metal having parallel sides and angularly-turned portions forming securing-flanges, an integral lug between said parallel sides, a pivoted catching and retaining device comprising arc-shaped parallel arms having their intermediate portions pivotally connected to the sides of the bracket, a pin connecting said parallel arms and a spring extending between said pin and the lug of the bracket, substantially as described.

2. In combination, a sheet-metal bracket
having parallel sides, a cross-wall connecting
said sides, a crescent-shaped arm having its
intermediate portion pivoted between said
5 sides, a spring extending between the bracket
and said arm and tending to swing it toward
the limit of its movement in either direction,
the said cross-wall serving as a stop to limit

the outward movement of said arm, substan-
tially as described.

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

JOHN R. GALLINGER.

Witnesses:

HARRY E. GALLINGER,
LOUIS KUNDSEN.