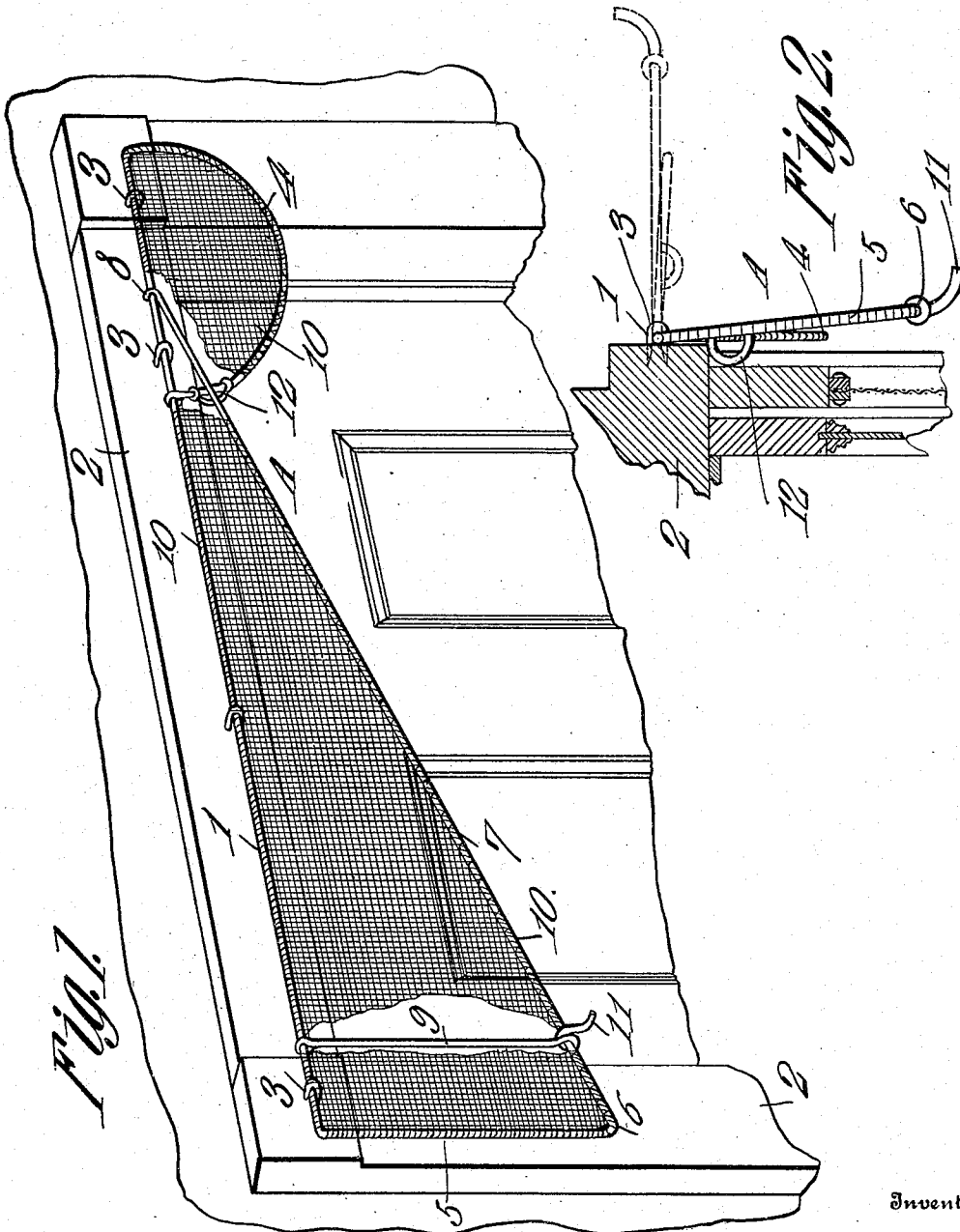


C. SPENCER.
 SCREEN DOOR ATTACHMENT.
 APPLICATION FILED AUG. 11, 1908.

942,223.

Patented Dec. 7, 1909.



Witnesses
E. J. [Signature]
A. [Signature]

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UNITED STATES PATENT OFFICE.

CHARLES SPENCER, OF KAW, OKLAHOMA.

SCREEN-DOOR ATTACHMENT.

942,223.

Specification of Letters Patent.

Patented Dec. 7, 1909.

Application filed August 11, 1908. Serial No. 447,971.

To all whom it may concern:

Be it known that I, CHARLES SPENCER, a citizen of the United States, residing at Kaw city, in the county of Kay and State of Oklahoma, have invented a new and useful Screen-Door Attachment, of which the following is a specification.

This invention relates to an attachment for doors, windows and the like, that are side hinged, and has for its object to provide a simple strong and efficient overhead secondary screen for the top of a door or window to prevent flies and other insects from entering the room above the top of the door or window when the same is opened for any purpose.

To this end the invention consists of the novel construction and arrangement of parts hereinafter described, and claimed, and illustrated in the drawing, in which:—

Figure 1 is a perspective view of the upper portion of a screen door with my invention applied and, Fig. 2 an end elevation of the same.

Similar reference characters are used for the same parts in all the figures.

The frame of the secondary screen A is preferably made of stout wire and comprises a straight horizontal length 1 slightly longer than the width of the door and hinged to the door frame 2 above the top of the door by staples 3, or otherwise. At the hinge side of the door frame 2 the wire 1 is bent back upon itself for a suitable distance in the form of a semi-circle 4 and fastened to the hinged portion 1. When the door is closed, the frame wire 4 hangs downwardly against the outer side of the door. The opposite end 5 of the wire 1 may be bent at a right angle, parallel to the plane of the semi-circular portion for a suitable distance, and then bent again at 6 to form a brace 7 extending in a straight line, but at an angle from said bend 6 to the hinged section 1 at a point midway between the ends of the semi-circular portion 4 and there fastened, as at 8.

A supporting rod 9 parallel to the end piece 5 and a suitable distance from it, is fastened by its ends to the rod 1 and to the brace 7, and serves to uphold the woven wire screen 10 with which the screen A is covered. The outer end of the supporting rod 9 has a

finger 11 which projects beyond the brace 7 for a short distance in a curve, the use of which will be described later.

Fastened to the under side of the semi-circular frame wire 4 near the fastening of its inner end to the straight piece 1 is a projection 12 preferably curved on its under side to bear against the upper rail of the door when closed. This projection may be wire or other material.

As above described, the secondary screen hangs downwardly on the outside of the door when the latter is closed, as shown in Fig. 1, entirely covering the space between the top of the door and the door frame, and the upper part of the space at the outer edge of the door, while projection 12 it will be noted rests against the outside of door near the top. Should the door be now opened, it will push the projection at first outwardly and then upwardly turning the secondary screen to a substantially horizontal position over the door. If the door be opened too far and pass beyond the screen, and the latter sags by its weight, the upturned finger 11 will be struck by the door when it is closed and raise the depressed portion of the secondary screen high enough to enable the door to pass beneath it.

What is claimed is:—

1. A screen for use at the top of doors, comprising a horizontal hinged frame suitably covered and adapted to swing outside the door when the latter is closed, and above it when said door is opened, a portion of the free edge of the frame being inclined with respect to the hinged edge, and another portion of said free edge being bowed outwardly from the hinged edge.

2. A screen for use at the top of doors, comprising a frame hinged above a door, made of wire and suitably covered, adapted to hang downwardly against the front of the door when the latter is closed, a projection on said frame bearing on said door for elevating the screen when the door is opened, and an upturned finger on the outer end of the screen.

3. The combination with a door frame, of a door mounted to swing from said frame, a guard frame, means for mounting said guard frame upon said door frame to swing above the opening thereof, and a member

connected at the ends to said guard frame and depending therefrom and into the path of said door when said door is open.

4. A screen for use at the top of doors,
5 comprising a frame made of wire having a straight length for pivotal attachment to a door frame one end of which has a semi-circular return bend attached at its end to said straight length, a right angled portion
10 at its opposite end and an inclined length extending from the extreme end of the right

angled portion to said straight length within the return bend, a projection on said return bend for swinging the screen and a finger on the outer end of the inclined wire. 15

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES SPENCER.

Witnesses:

C. L. SHIDLER,

M. G. SMITH.