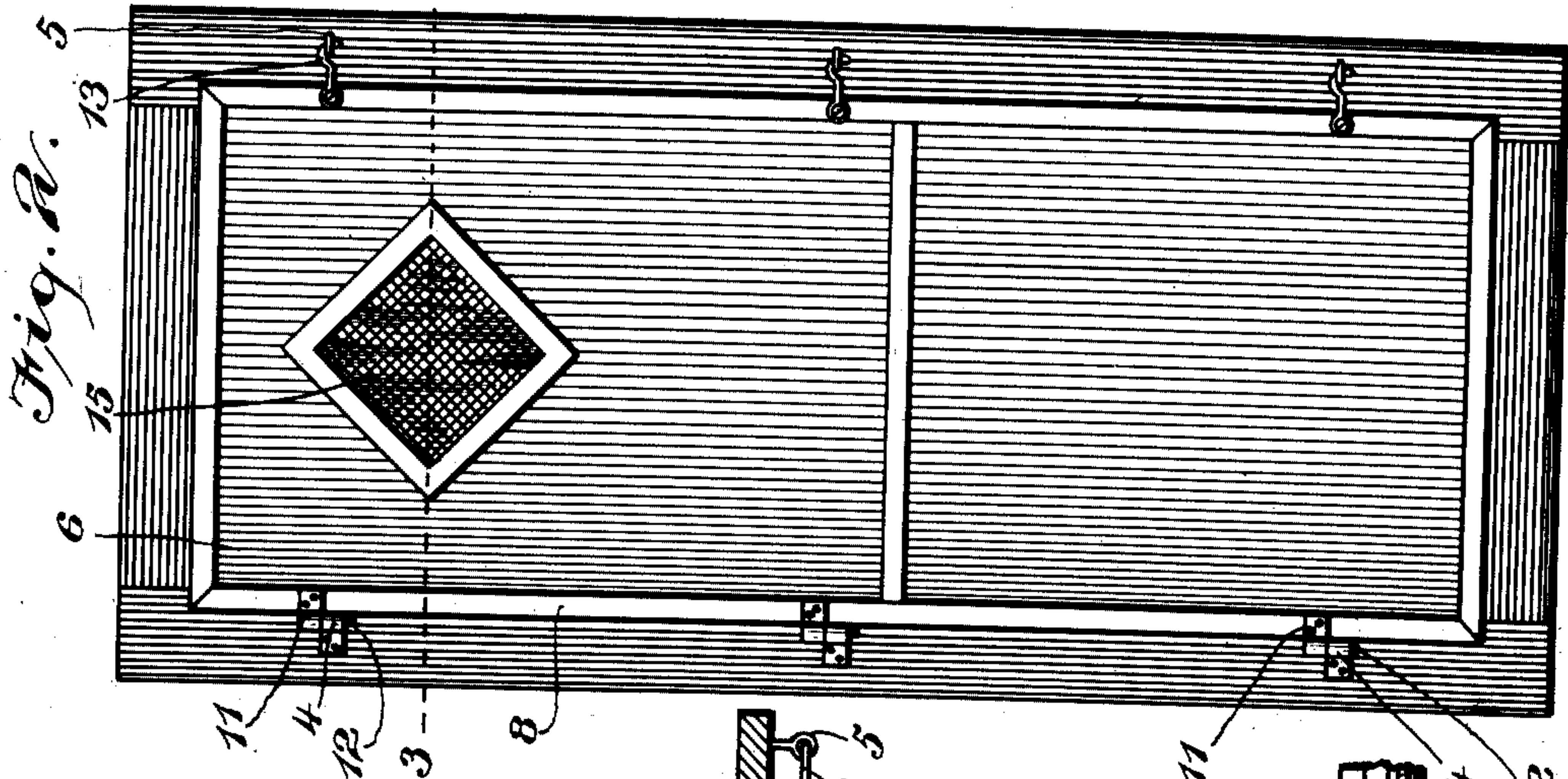


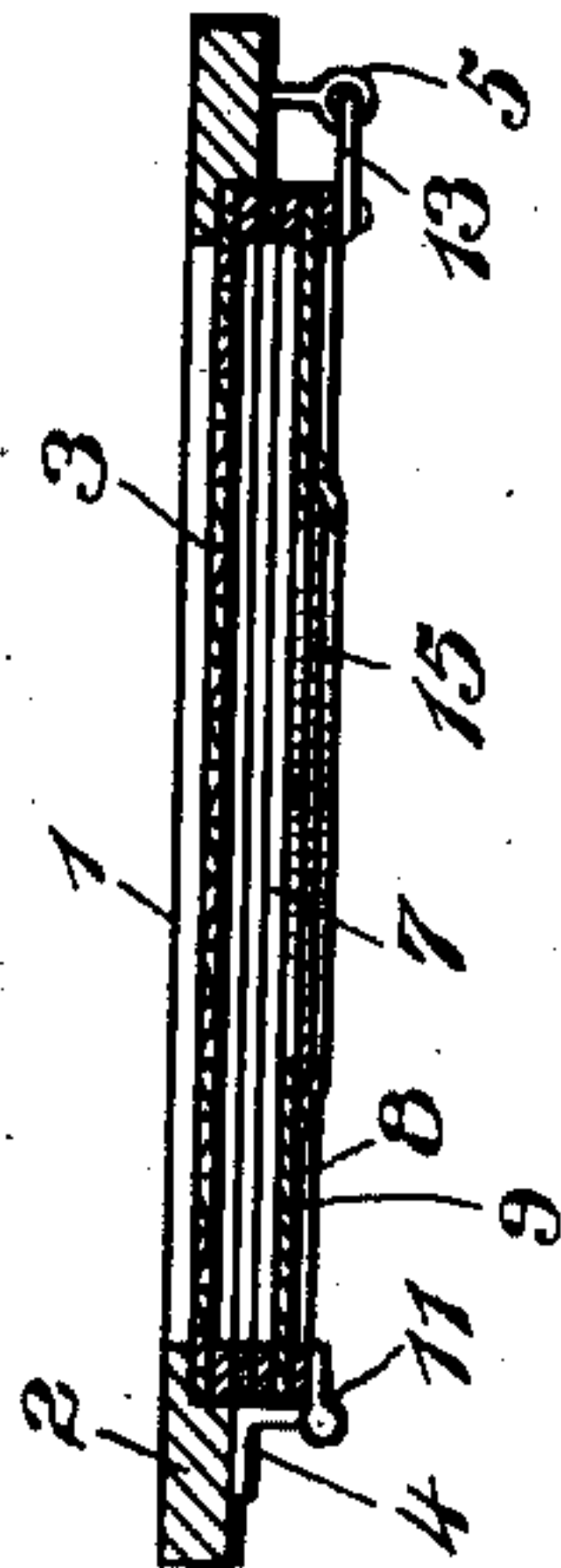
No. 864,931.

PATENTED SEPT. 3, 1907.

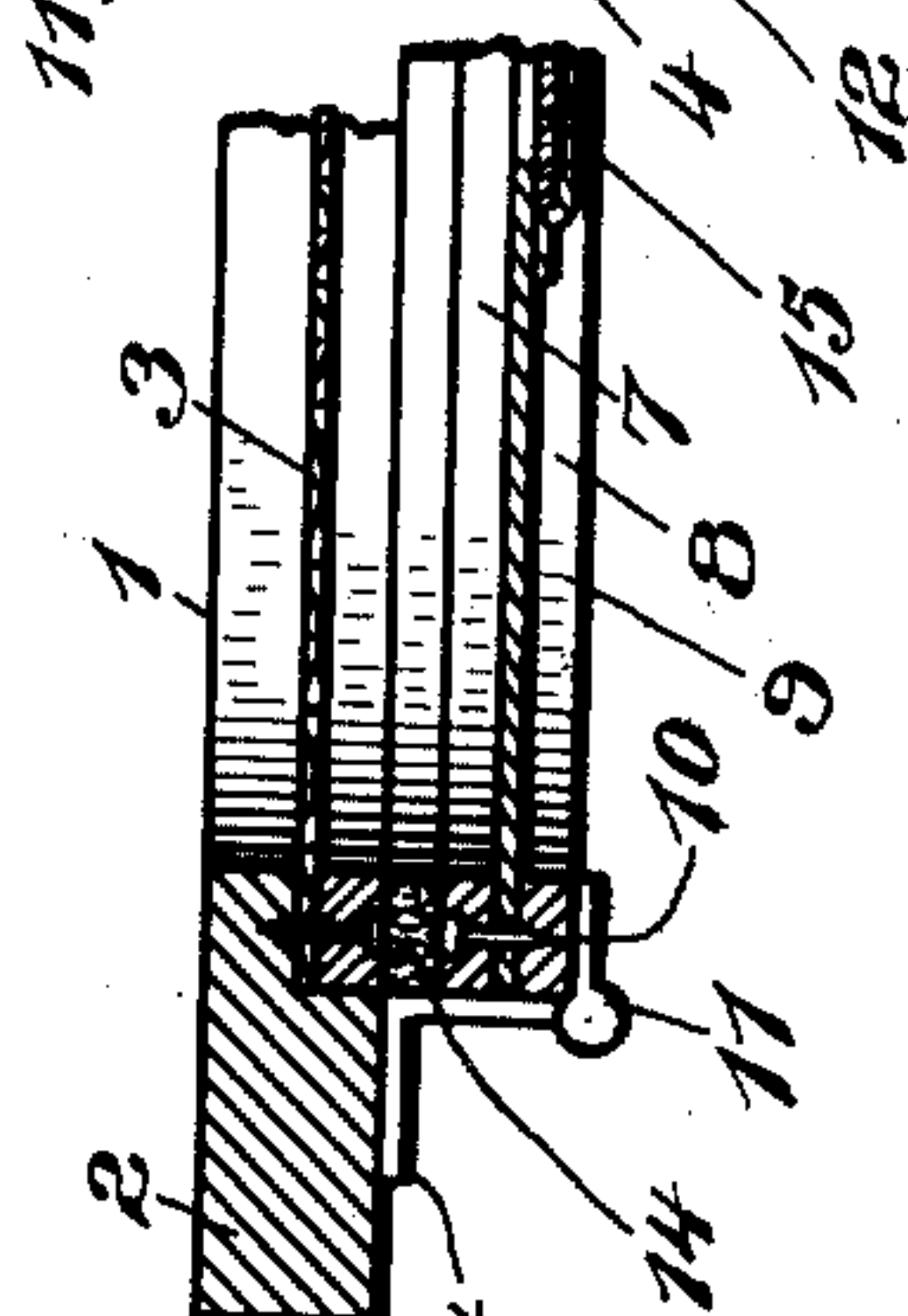
S. J. SPICER.  
COMBINED STORM AND SCREEN DOOR.  
APPLICATION FILED MAR. 8, 1906.



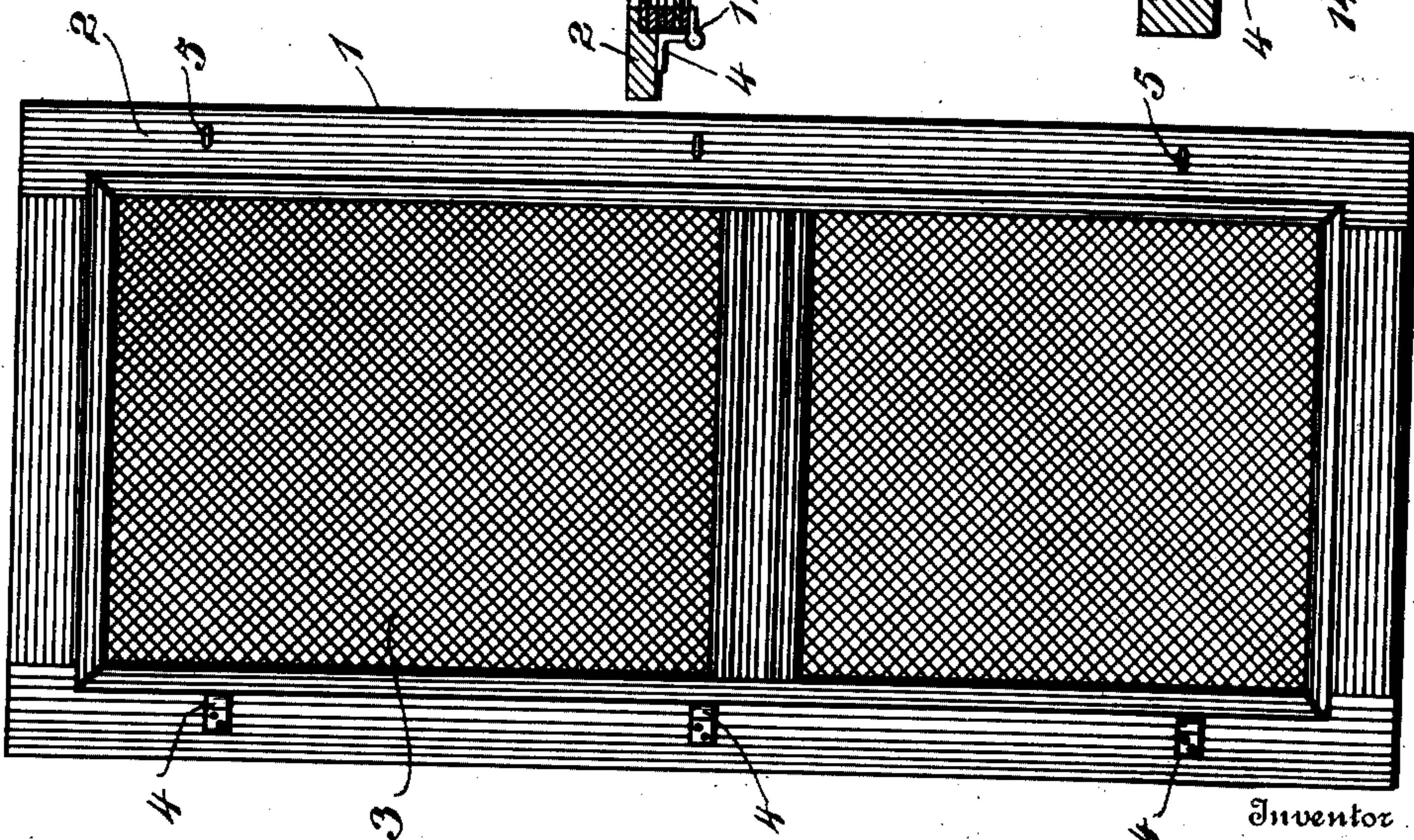
*Fig. 3.*



*Fig. 4.*



*Fig. 1.*



Witnesses

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# UNITED STATES PATENT OFFICE.

SAMUEL J. SPICER, OF GRAND RAPIDS, MICHIGAN.

## COMBINED STORM AND SCREEN DOOR.

No. 864,931.

Specification of Letters Patent.

Patented Sept. 3, 1907.

Application filed March 8, 1906. Serial No. 304,944.

To all whom it may concern:

Be it known that I, SAMUEL J. SPICER, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in a Combined Storm and Screen Door, and do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to a combined "screen and storm door", and has for its object to provide a device of this class which is particularly simple in its construction, cheap and easy to manufacture and which can be set up or taken down in a minimum length of time.

With this object in view my invention consists in the novel construction of the storm attachment.

Referring to the accompanying drawing. Figure 1 is an elevation of a screen door. Fig. 2 is an elevation of a screen door showing storm attachment in position thereon. Fig. 3 is a horizontal transverse section taken on line 3 of Fig. 2, and Fig. 4 is an enlarged fragmentary sectional view taken on line 3—3 of Fig. 2.

Like numerals of reference indicate the same parts throughout the several figures, in which,

1 indicates the screen door, having the usual frame 2 and screen wire 3, said door as shown in Fig. 1 being provided with a series of sockets 4 on one side of the screen 3, and a series of eyes 5 on the other side of the screen.

Referring to Figs. 3 and 4, it will be seen that the storm panel or attachment 6 comprises two frames 7 and 8 between which is tightly stretched a piece of canvas, cloth, felt, paper or other suitable light material 9, the two frames 7 and 8 being fastened together preferably by screws or nails 10 passing through the edges of the material 9, thereby holding the frames together and the material 9 in position.

Secured to the outer frame 8 is a series of extensions 11 provided with a vertical pin 12 constructed

to enter the sockets 4 on the screen door, while on the opposite edge of the storm panel is a series of hooks 13 so placed as to engage the eyes 5 on the storm door.

As shown in Fig. 4, a strip of felt or other suitable material 14 is secured to the inner frame 7, so that when the storm panel is in position on the screen door a close tight fit is assured so that rain or draft cannot enter. As shown in Fig. 2, a pane of glass or other transparent material 15 such as celluloid may be conveniently placed in the storm panel in order to admit light or to allow a clear view outside.

Having thus fully described the several parts of my invention its operation is as follows: It is the usual custom with users of screen doors to take same down at the end of the fly season and stow same away until the following season, as during the winter a screen door is obviously of no use, but as a matter of fact is in the way. With my storm attachment, however, the screen door can be allowed to remain in position during the winter by attaching the storm panel, which is accomplished by raising the panel and inserting the pins 12 in the sockets 4, and then pressing the hooks 13 into the eyes 5. To remove the storm panel the hooks are disengaged from the eyes, and the storm panel lifted out of engagement with the sockets.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

As an article of manufacture, a removable storm panel for screen doors comprising an inner frame, an outer frame, a piece of canvas or other flexible material stretched between said inner frame and outer frame and suitably secured thereto, a piece of glass or other transparent material secured in said canvas, a strip of felt or suitable material secured on the face of said inner frame, to engage the frame of a screen door, two or more vertically disposed pins secured to the frame of the storm panel to enter suitable sockets on a screen door and a hook for fastening the storm panel in position on a screen door, substantially as described.

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

SAMUEL J. SPICER.

Witnesses:

A. B. CHENEY,

A. G. VAN ANTWERP.