

O. L. SCHANBACHER.  
WINDOW SCREEN.  
APPLICATION FILED FEB. 20, 1909.

930,237.

Patented Aug. 3, 1909.

Fig. 1.

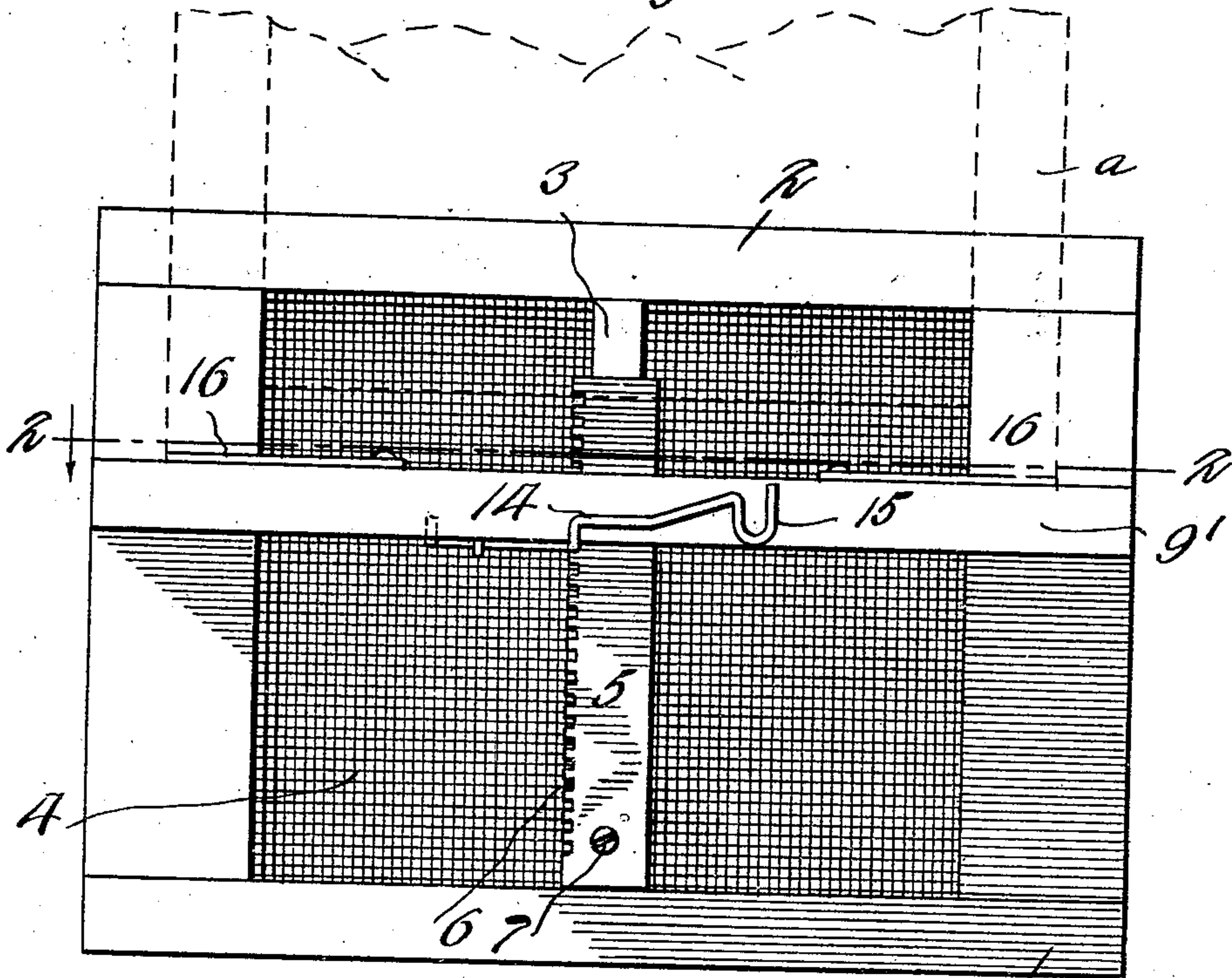


Fig. 2.

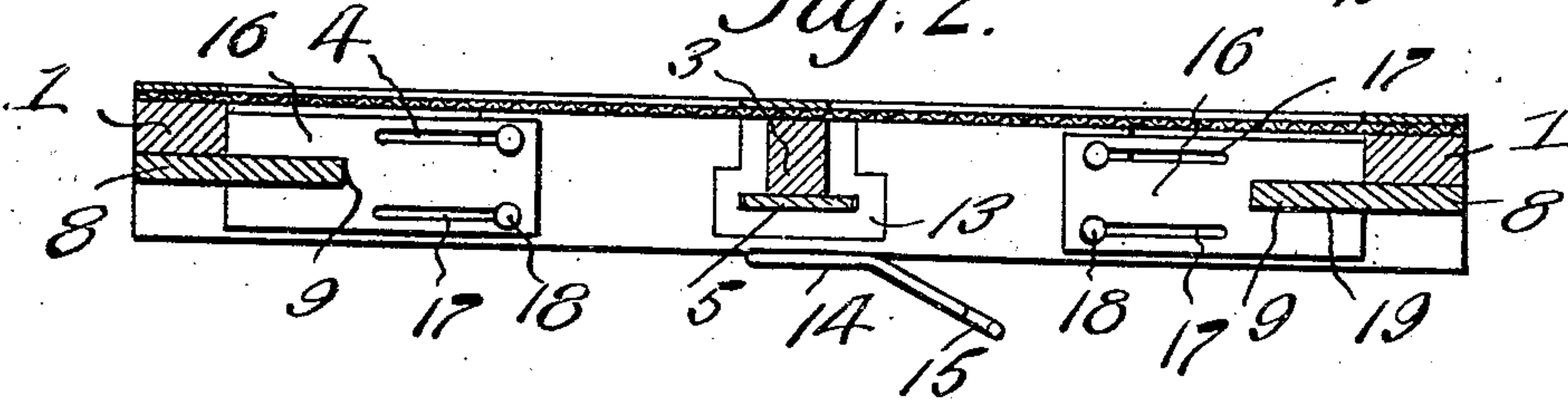
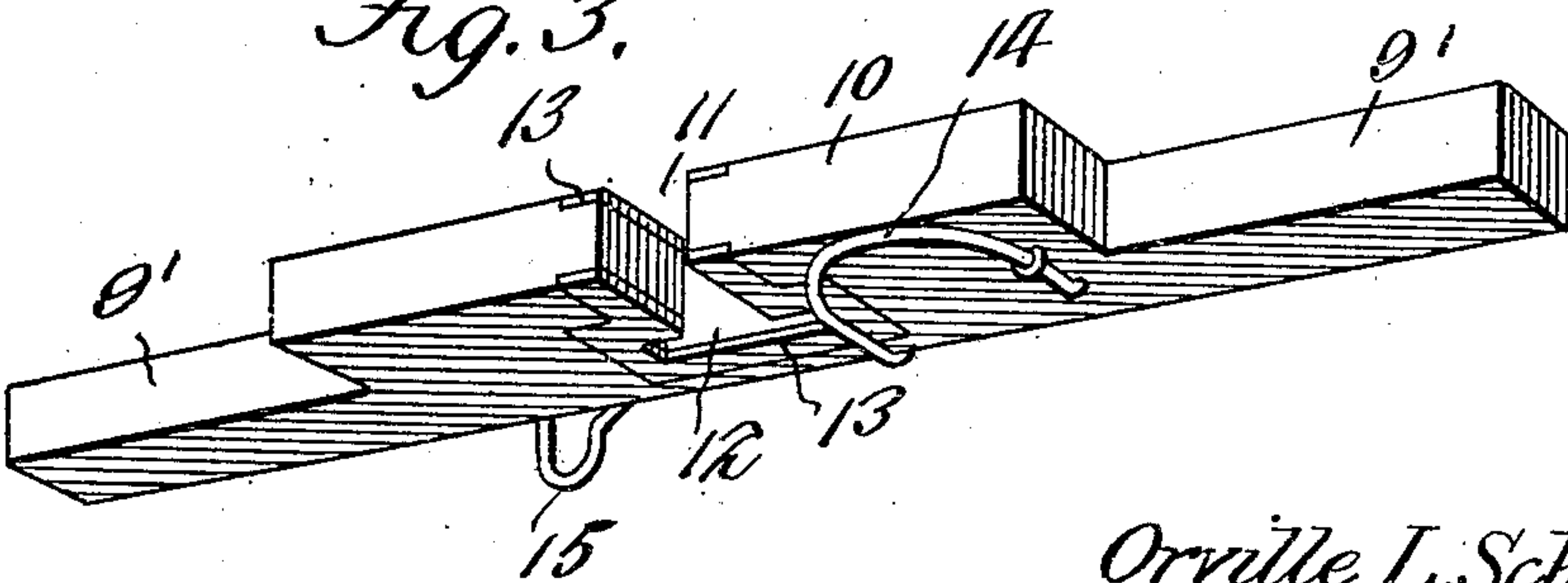


Fig. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## WINDOW-SCREEN.

No. 930,237.

Specification of Letters Patent.

Patented Aug. 3, 1909.

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*To all whom it may concern:*

Be it known that I, ORVILLE L. SCHANBACHER, a citizen of the United States of America, residing at Eastpoint, in the county of Tioga and State of Pennsylvania, have invented new and useful Improvements in Window-Screens, of which the following is a specification.

This invention relates to window screens, and one of the principal objects of the same is to provide means whereby the sash may be raised and lowered at will without interfering with the screen.

Window screens as at present constructed do not permit the free movement of the sash of the window, for the reason that they fit closely underneath the sash, and in order to raise or lower the window the screen must be removed. It is oftentimes found very desirable to close the window with the exception of a small ventilating opening below the sash, and at the same time it is found very necessary to have a window screen to cover the small ventilating opening.

By means of my invention the window sash may be lowered to provide a ventilating opening without interfering with the screen, and the window can be entirely closed if necessary and the screen held in place until the window is again raised.

Another feature of my invention comprises means whereby flies in the house may be permitted to gain an exit without allowing other flies to get in.

These and other objects may be attained by means of the construction illustrated in the accompanying drawing, in which,—

Figure 1 is a view in elevation of a window screen made in accordance with my invention, the window sash being shown in dotted lines. Fig. 2 is a transverse sectional view on the line 2—2 of Fig. 1, looking in the direction indicated by the arrows. Fig. 3 is a detail perspective view of the sash support detached from the screen.

Referring to the drawing, the numeral 1 designates the frame of the window screen consisting of side bars, top and bottom bars 2 and a central vertical bar 3. The window screen 4 may consist of ordinary wire gauze secured to the frame. Secured to the central bar 3 of the screen frame is a rack bar 5 having a series of notches 6 in one edge thereof, said rack bar being secured by means of screws 7 to the bar 3. As shown in

Fig. 2, the side bars of the screen frame have secured to them extending members 8, the inner edges 9 of which are spaced from the wire cloth screens 4.

The window support consists of a cross bar having reduced end portions 9' and an enlarged central portion 10, the latter having a recess 11 formed therein of substantially T-shape, one member 12 of which is designed to receive the rack bar 5, while the other portion of said recess is designed to receive the bar 2. Wear plates 13 are secured one to each side of the recess 11 to prevent wear upon the window support.

Secured to the enlarged portion 10 of the window support is a spring latch 14, said latch having a handle portion 15 by means of which the latch may be operated. The latch engages the notches 6 in the rack bar 5, thus permitting the window supporting bar to be adjusted up and down, as desired.

Fitted to the upper side of the sash support are the sliding plates 16, said plates being provided with slots 17 and screws or fastenings 18 which extend through the slots 17 into the enlarged portion 10 of the sash support. The sliding plates 16 are each provided with a recess 19 to receive the projecting edge 9 of the members 8.

The operation of my invention may be briefly described as follows: The window screen is supported upon the window sill outside of the sash, and the sash supporting bar is adjusted by means of the latch 14 and the rack bar at any desired height. The window sash *a*, shown in dotted lines in Fig. 1, is then brought down upon the sash support. Whenever it is required to raise or lower the sash *a* the sash support is adjusted up or down and held in adjusted position by the latch 14. Whenever it is deemed necessary to permit flies to escape to the outside the sliding plates 16 are moved inwardly to provide an orifice between the screen and the members 8 to permit the flies to escape.

From the foregoing it will be obvious that my screen will permit the sash to be adjusted at any desired height and to prevent entrance of flies and that flies upon the inside may be permitted to escape without interfering with the screen.

I claim:—

1. A window screen provided with a central bar, a rack bar secured to said central bar, a sash support provided with a latch

adapted to engage the rack bar to support a sash at any required height on the window screen.

2. A window screen, a rack bar connected to said screen, a sash support, a latch on said support for engaging said rack bar to support a window sash at any required height, and sliding plates carried by the sash sup-

port and adapted to be adjusted to expose an opening for the escape of flies. 10

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

ORVILLE L. SCHANBACHER.

Witnesses:

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