

No. 719,082.

PATENTED JAN. 27, 1903.

J. D. CAMPBELL.
SCREEN STRIP FOR WINDOW SASHES.

APPLICATION FILED APR. 23, 1902.

NO MODEL.

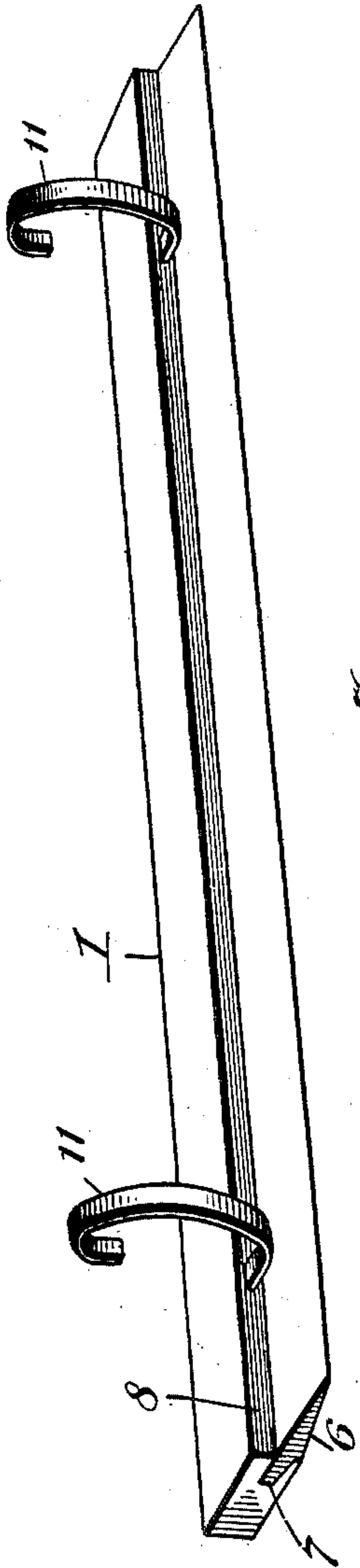


Fig. 1.

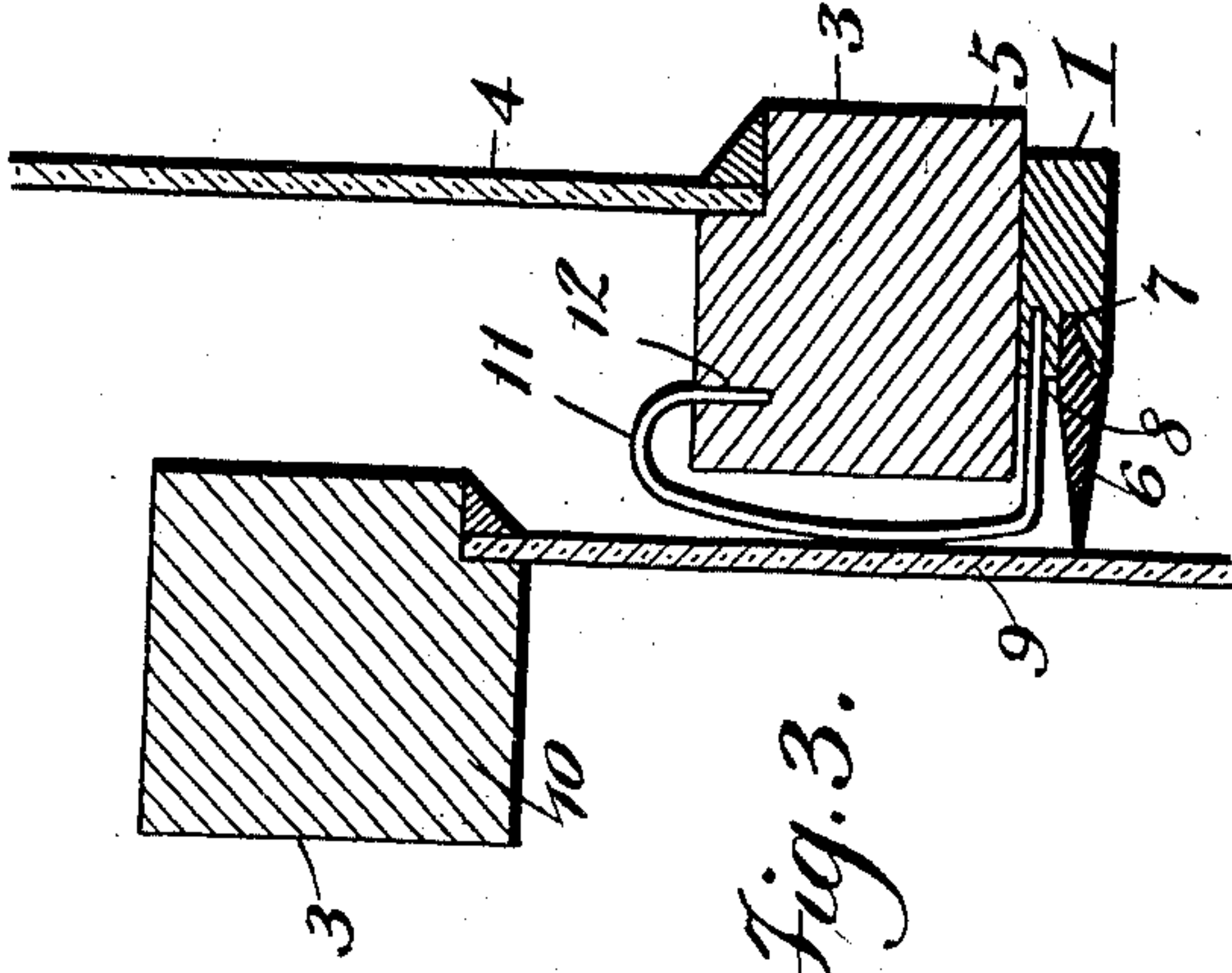


Fig. 3.

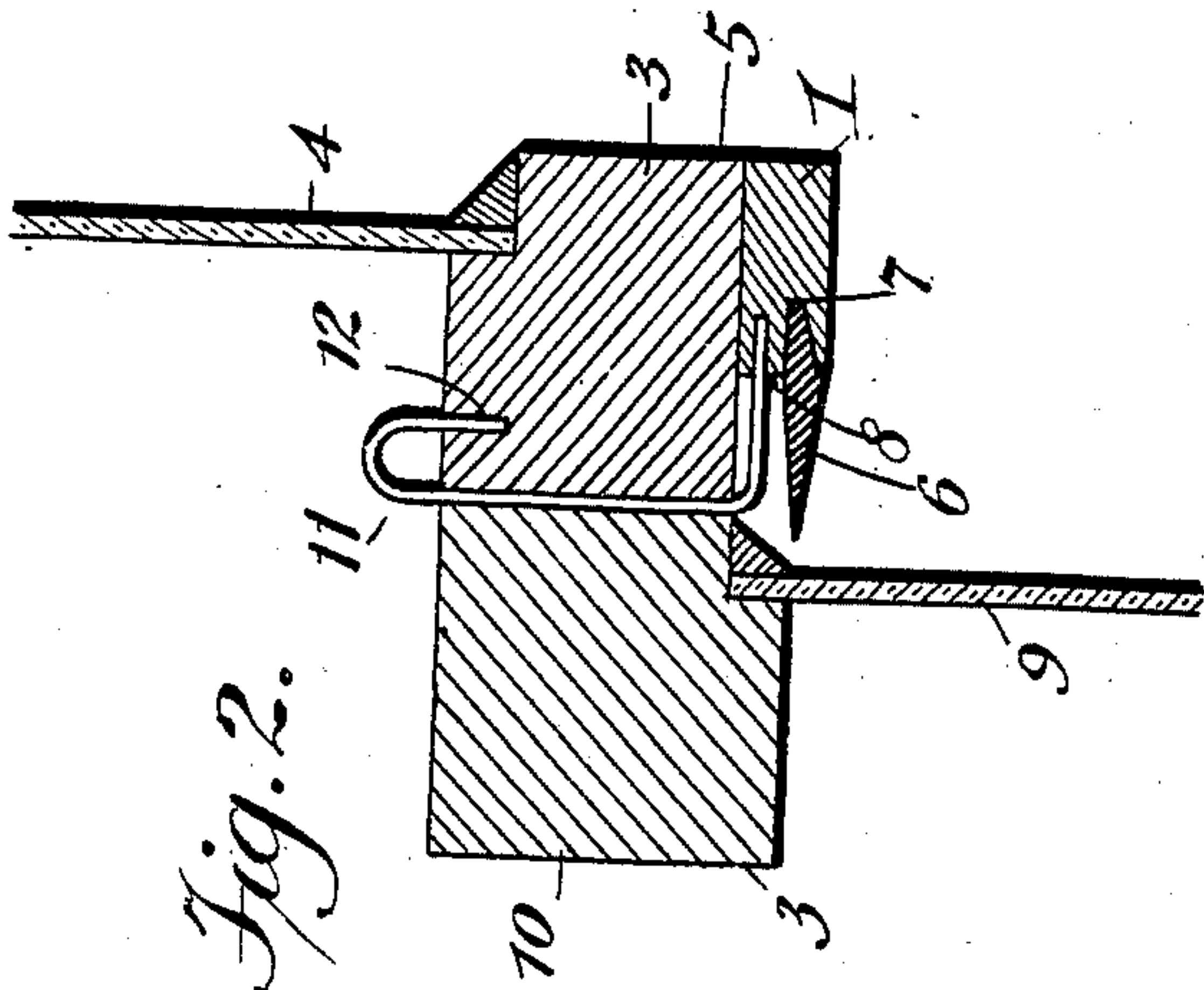


Fig. 2.

WITNESSES

A. P. Applegate
Hartwell P. Heath

INVENTOR

BY *John D. Campbell*
J. R. Littell
his ATTORNEY.

UNITED STATES PATENT OFFICE.

JOHN D. CAMPBELL, OF NEWTON, NEW JERSEY, ASSIGNOR TO HIMSELF,
AND WALTON C. WHITTINGHAM, OF MILBURN, NEW JERSEY.

SCREEN-STRIP FOR WINDOW-SASHES.

SPECIFICATION forming part of Letters Patent No. 719,082, dated January 27, 1903.

Application filed April 23, 1902. Serial No. 104,942. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. CAMPBELL, a citizen of the United States, residing at Newton, in the county of Sussex and State of New Jersey, have invented certain new and useful Improvements in Screen-Strips for Window-Sashes, of which the following is a specification.

This invention relates to strips for window-sashes, and has for its object to provide a device of the class described which will possess points of advantage in convenience, simplicity, effectiveness, and general efficiency.

Another object of the invention is to provide a device of the class described which will be easily and readily applied to a window-sash by a person without experience, instruction, or the use of tools and as readily detached.

Another object of the invention is to provide a device of the class described which will serve when the window is partly open to screen the aperture between the upper rail of the lower sash and the lower rail of the upper sash and the glass of the two sashes against the entrance of flies, insects, dirt, dust, and other objectionable objects, including to a large extent the air itself.

In the drawings, Figure 1 is a perspective view of a screen-strip embodying my improvements detached. Fig. 2 is a vertical section through the upper and lower sash of a window, showing the invention in operative position, the sashes being closed and partly broken away. Fig. 3 is a similar view to Fig. 2, showing the window partly open.

Corresponding parts in all the figures are denoted by the same reference characters.

Referring to the drawings, my invention comprises a suitable base 1, which may be of any suitable material and is here shown as of wood, rectangular in cross-section and of suitable length to extend the full width between the stiles of the sashes 3 of the window 4. The base 1 is preferably of sufficient width to extend from the outer edge of the lower rail 5 of the upper sash 3 nearly to the forward edge of such rail 5.

Projecting from the inner edge of the base 1 is a strip 6 of flexible material, such as rubber or elastic cloth, which is here shown as

wedge-shaped in cross-section and inserted in a groove 7 in the inner edge of the base 1 in the lower part thereof, so as to leave the shoulder 8 extending above such strip 6 along the whole length of the base 1.

Suitable means are provided for detachably connecting the base 1 to the bottom of the lower rail 5 of the upper sash 3 and maintain it in contact with said bottom, so that the inner edge of the strip 6 will bear against the glass 9 of the lower sash 3 when the window is partly open and so that when the window is closed and the upper rail 10 of the lower sash 3 passes the lower rail 5 of the upper sash 3 the connection means will yield to permit the rails 5 and 10 to pass each other and withdraw the strip 6, so as to permit its passage likewise. In the form here shown such connection means comprise springs 11, secured at one end in the shoulder 8 of the base 1 and projecting outward and upward and then curved inward and downward and adapted to embrace the inner face of the lower rail 5 of the upper sash 3 and have their upper ends inserted in suitable recesses 12 in the top of such rail 5. The organization of the parts is such that when in position upon the rail 5 the springs 11 will normally project slightly from the front face of the rail 5 and hold the strip 6 in contact with the glass of the window-sash; but when the rails 5 and 10 are brought opposite each other the springs 11 will be depressed against the front face of the rail 5, carrying the base 1 and the strip 6 toward the outer face of the rail 5 and withdrawing the edge of the strip 6 from the glass of the window, so as to permit it to pass the rail 10.

It is evident that such device as described can be readily applied to the window-sash and as readily detached therefrom and that it will in no wise interfere with the opening and shutting of the window, but will serve when the window is partly open to press against the glass of the lower sash 3 and prevent objects passing between the rail 5 and the glass of the lower sash and between the rail 10 and the glass of the upper sash into the apartment into which the window opens.

The operation and advantages of my invention will be readily understood and appreciated.

The device can be applied to the lower rail 5 of any upper sash, and the springs 11 will retain it in operative position until it is desired to remove it, which can be done with 5 equal facility. While in place on the rail 5 it will act automatically as the window is opened or shut to conform to the changed situation of the parts and when the window is partly opened will press against the glass 10 of the lower sash, so as to exclude objects from entering the room, and in connection with the ordinary screens above and below the sashes render entrance to the apartment of objectionable objects impossible.

15 Having thus described my invention, I claim and desire to secure by Letters Patent—

1. A window-strip comprising a rigid base, an elastic strip secured to the inner face of 20 the base, and yielding supports for suspending the base from the lower rail of a window-sash.

2. A window-strip comprising a rigid base, an elastic strip set in the inner face of the base, springs having their upper ends secured 25 to the upper surface of the lower rail of the upper sash, and their lower ends to the base.

3. In a device of the class described, comprising a rigid strip, an elastic strip set in the inner face of such rigid strip and springs 30 having their lower ends secured in the inner face of said rigid strip above said elastic strip and adapted to extend around the front face of the lower rail of the upper sash and have their upper ends secured in recesses in the top 35 of such rail.

In testimony whereof I have signed my name in the presence of the subscribing witnesses.

JOHN D. CAMPBELL.

Witnesses:

JACOB B. HENDERSHOTT,
E. T. SARACOL.