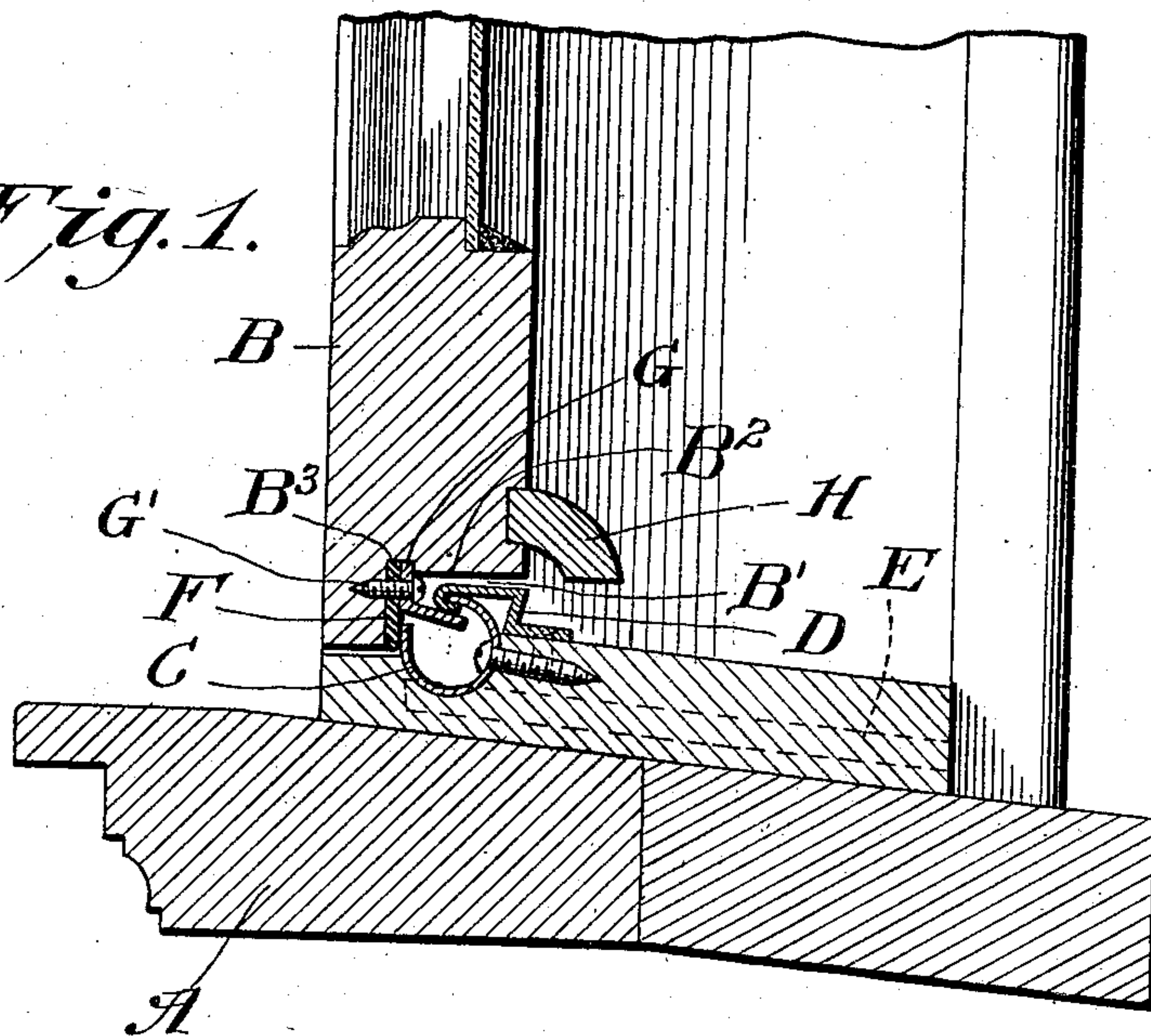


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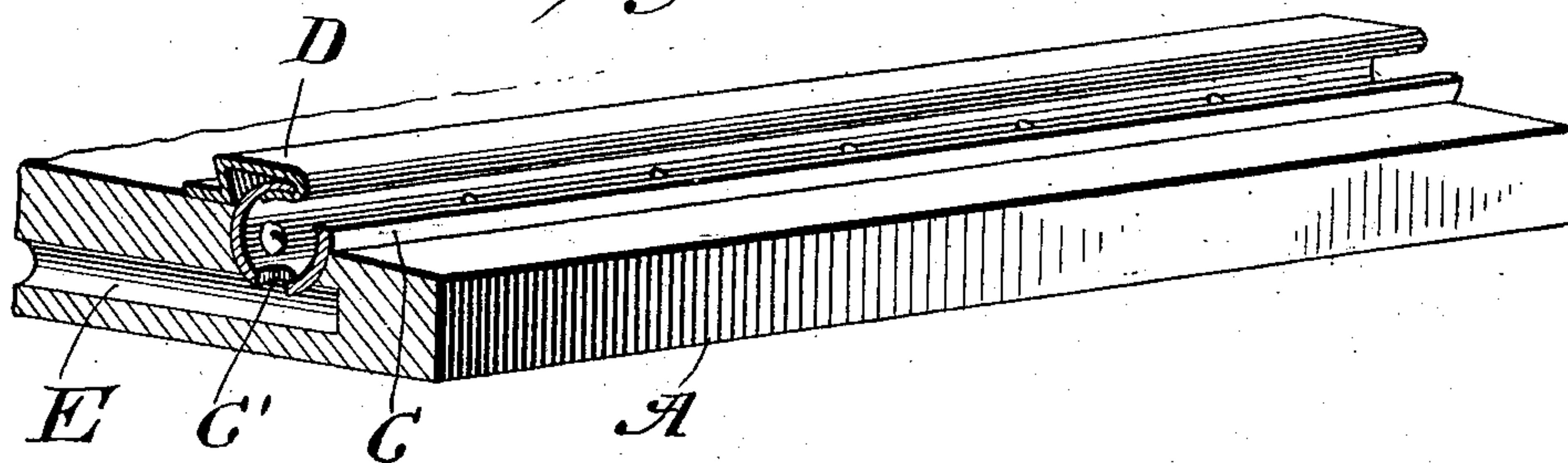
PATENTED JUNE 23, 1908.

F. OVERFIELD.  
WEATHER STRIP.  
APPLICATION FILED JAN. 22, 1908.

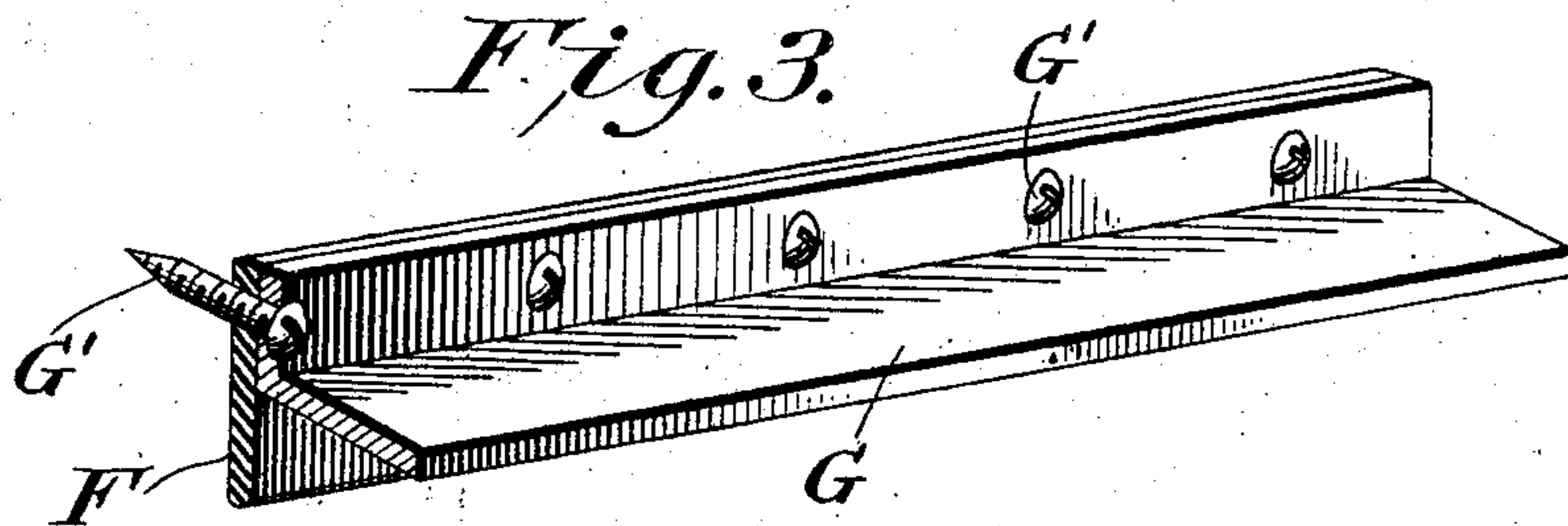
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses  
M. C. Lyddan  
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# UNITED STATES PATENT OFFICE.

FREDERICK OVERFIELD, OF CORNWALL, NEW YORK.

## WEATHER-STRIP.

No. 891,286.

Specification of Letters Patent.

Patented June 23, 1908.

Application filed January 22, 1908. Serial No. 412,082.

*To all whom it may concern:*

Be it known that I, FREDERICK OVERFIELD, a citizen of the United States, residing at Cornwall, in the county of Orange and State of New York, have invented certain new and useful Improvements in Weather-Strips, of which the following is a specification.

This invention relates to weather strips especially adapted to be used on casement windows, the object being to provide a weather strip formed of a female and male member, which are so constructed that when connected to the sill and lower rail of the sash, an exceedingly tight joint will be formed when the window is closed.

Another object of my invention is, to provide the female member carried by the sill in the form of a gutter, which is connected to a drain opening leading out through the sill, whereby the water which is driven into the same will be conveyed off.

Another object of my invention is, to provide a weather strip which is exceedingly simple and cheap in construction, and one which is not liable to get out of order.

These objects are obtained by the novel arrangement and construction of parts hereinafter fully described and shown in the accompanying drawings, in which:

Figure 1, is a vertical section of a portion of the sill and window frame and swinging sash. Fig. 2, is a perspective view of the sill showing the female member of my improved weather strip secured therein, and, Fig. 3, is a perspective view of the male member of my improved weather strip, which is carried by the lower rail of the sash.

In the drawings A, indicates a sill of an ordinary window casing and B, the swinging sash. A longitudinal groove is formed in the sill, adjacent its inner edge, in which is secured the female member comprising a longitudinal slotted tube C, forming a gutter over one end of which is secured the hooked edge of a strip D, which is Z-shaped in cross section, and is secured on the top of the sill, adjacent the groove. The tube extends up above the face of the sill a slight distance as clearly shown, and is provided with an opening C', which communicates with a bore E, forming a drain which extends out through the sill, whereby the water which enters the tube will be conveyed outside of the building.

The lower end of the lower rail of the win-

dow sash B, is rabbeted as shown at B', forming a shoulder B<sup>2</sup>, and is recessed as shown at B<sup>3</sup>, in which is secured a rubber packing strip F, by the male member formed of an angle strip G, which is secured to the shoulder by screws G'. The outwardly extending portion of the angle strip is slightly inclined, and is adapted to extend into the slot of the tube when the window is closed, whereby when any rain or snow is driven under the sash over the strip D, it will be conveyed into the tube. The lower end of the rubber strip F, engages the side of the tube as clearly shown when the window is closed, so as to form an air tight joint, thereby preventing any air from passing over the strip D, into the tube and out under the lower edge of the sash. A curved strip H, is secured in a longitudinal groove formed in the outer ends of the lower rail of the sash, so as to convey the water from the sash out beyond the strip on to the sill where it will be readily drained off.

From the foregoing description it will be seen that I have provided a weather strip composed of a male and female member, the male member being carried by the sash, and the female member by the sill, whereby when the two are joined a very tight joint will be obtained.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A weather strip comprising a split tubular female member having a strip arranged over one edge, and a rubber strip and an inclined male member coacting with said member, said rubber strip engaging the tubular member, and the male member extending into said tubular member and engaging said strip.

2. The combination with a window casing, provided with a swinging sash, having a lower rabbeted rail, of a split tube secured to the sill of the casing, a rubber strip secured in the rabbet of the sash, an angle strip secured over said rubber strip, said angle strip being adapted to extend into the tube, and the rubber strip to engage the tube when said sash is closed.

3. The combination with a window casing, having a longitudinal grooved sill, of a sash pivotally mounted in said casing, provided with a rabbeted lower rail, a split tube secured in the groove of the sill, provided with an opening, a drain passage communicating

with said opening, a strip Z-shaped in cross section secured to the sill, having a hooked edge fitting over one edge of the tube, a weather strip secured to the shoulder of the sash formed by the rabbet, adapted to engage said tube, and an angle strip secured over said rubber strip provided with an inclined portion, adapted to extend into said tube, and engage the hooked edge of said strip.

4. A weather strip comprising a female member and a male member, the female member being formed of a split tube, of a strip Z-shaped in cross section, having a

hooked edge secured over one edge of said tube, said member being adapted to be secured to the sill of a window, and a male member adapted to be carried by the sash, comprising an angle strip adapted to extend into said tube and engage the hooked edge of said strip, for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FREDERICK OVERFIELD.

Witnesses:

RUTH A. OVERFIELD,  
WILLIAM F. DIXON.