

No. 854,899.

PATENTED MAY 28, 1907.

J. LUTZ & J. McKELLAR.

WEATHER STRIP.

APPLICATION FILED AUG. 4, 1906.

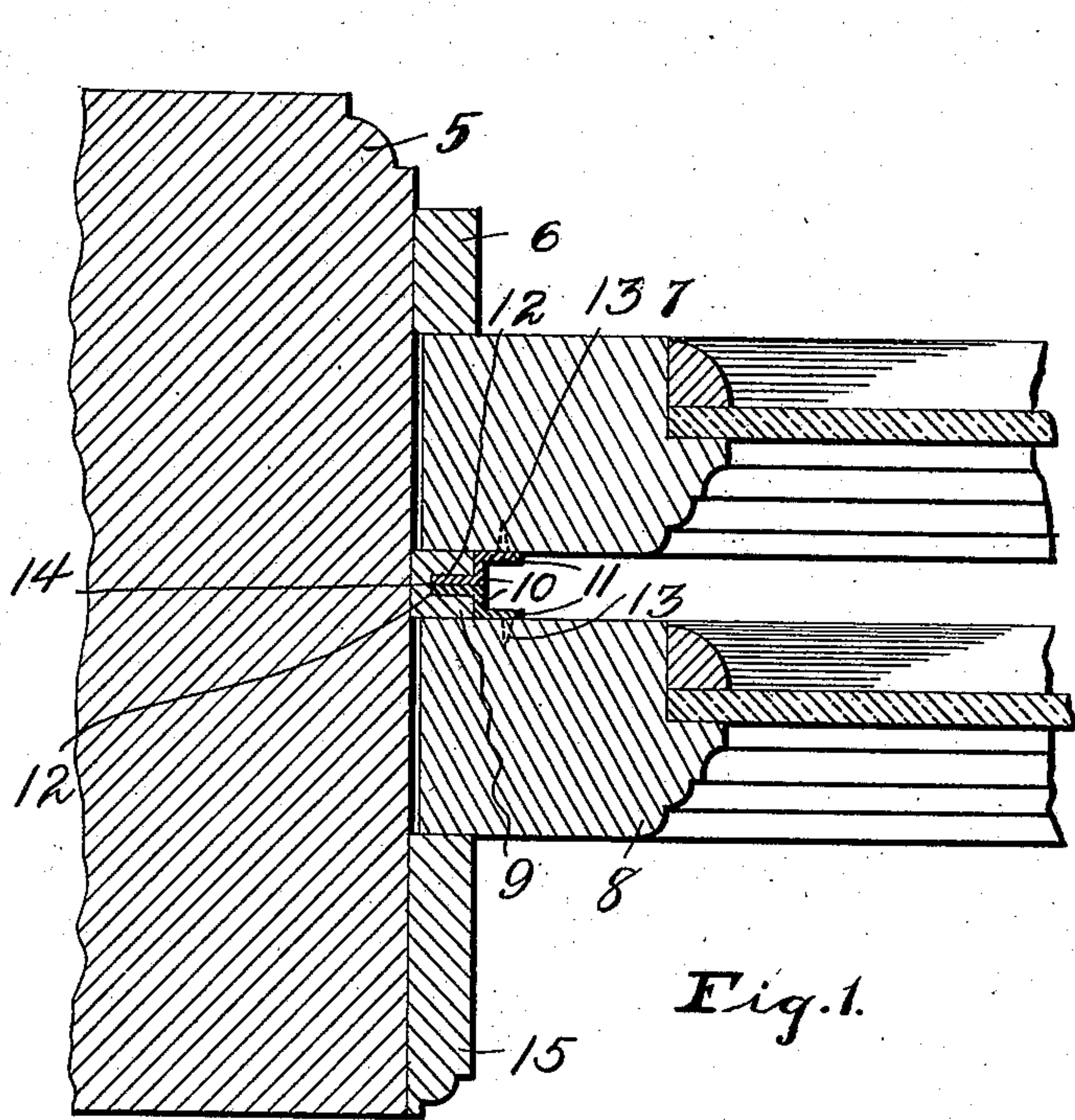


Fig. 1.

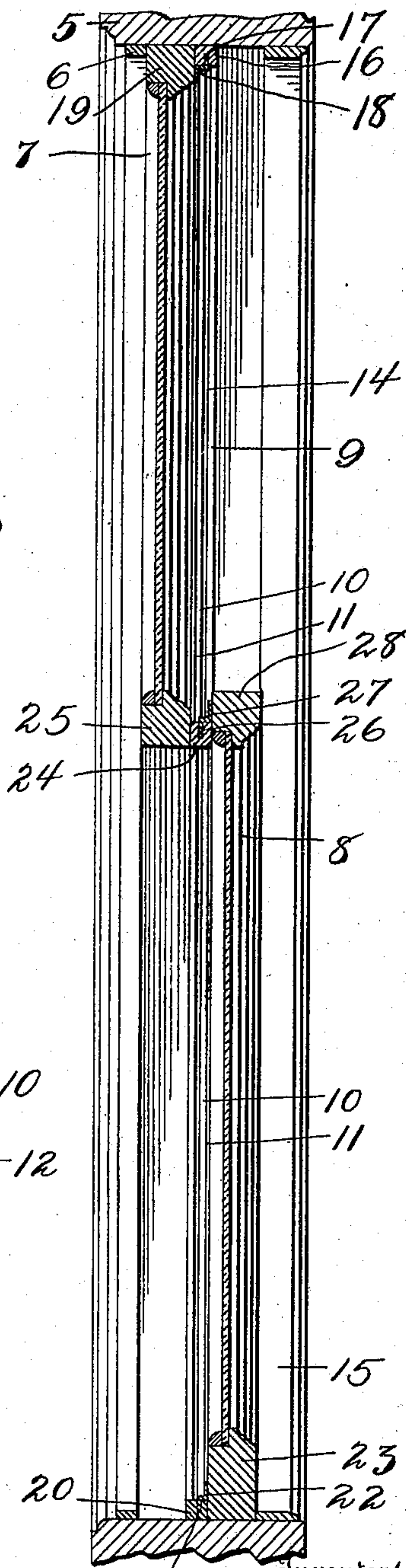


Fig. 2.

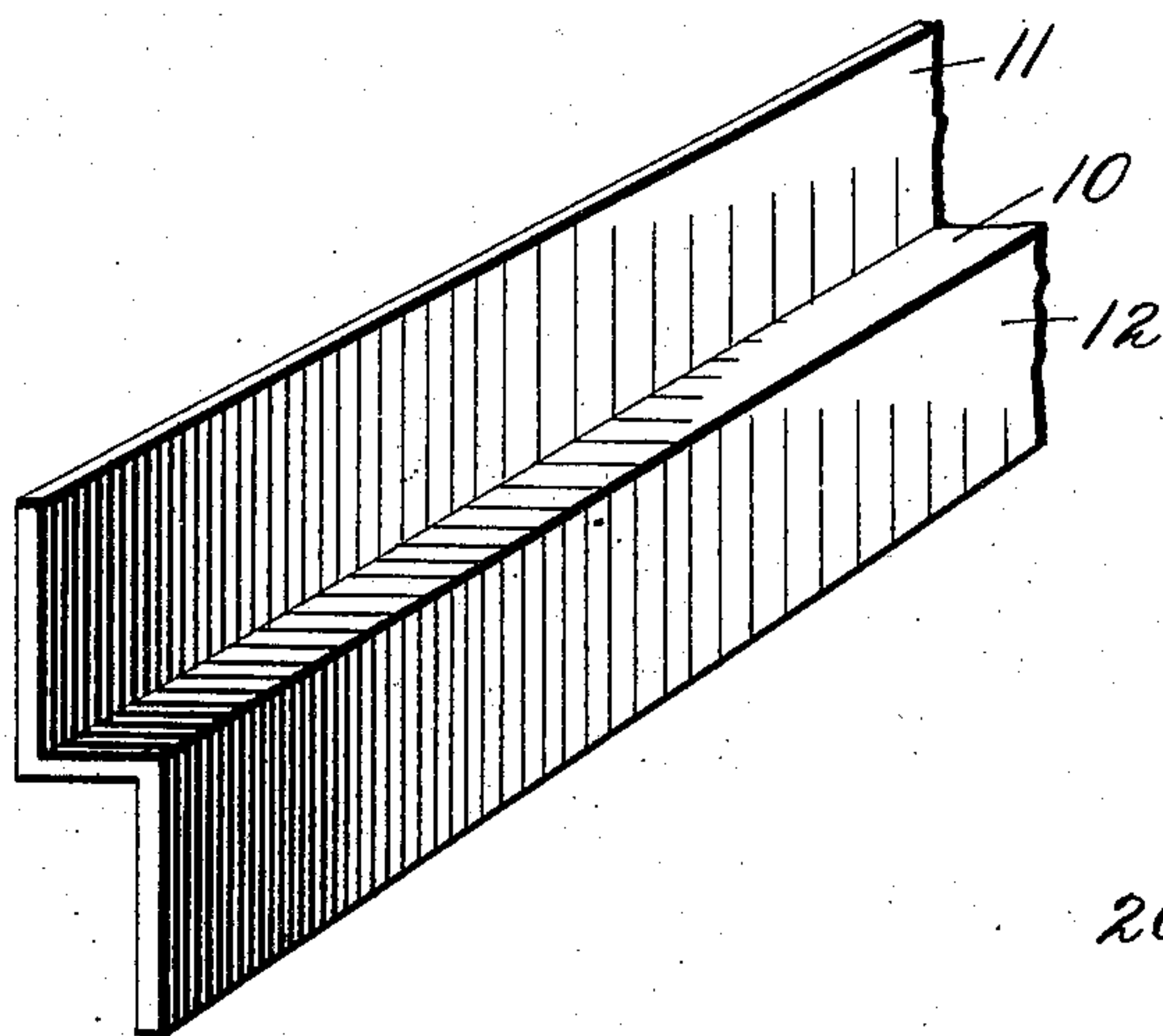


Fig. 3.

Witnesses

Carl Stoughton
Frank J. Campbell.

By

John Lutz
and James McKellar
Shepherd & Parker
Attorneys

UNITED STATES PATENT OFFICE.

JOHN LUTZ AND JAMES McKELLAR, OF COLUMBUS, OHIO.

WEATHER-STRIP.

No. 854,899.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, JOHN LUTZ and JAMES McKELLAR, citizens of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Weather-Strips, of which the following is a specification.

Our invention relates to an improved weather strip for windows, and has for its object the provision of weather strips which may be simply and cheaply made and which when applied to windows in the novel manner devised by us, effectually prevent the entrance of wind, rain or snow to the interior of the room in which said windows are located.

A further object of the invention is the provision of weather strips of the character described, which are adapted to be secured to the adjacent faces of the window sash and to slidably contact with each other to provide a wearing surface.

Further objects and advantages of the invention will be set forth in the detailed description which now follows.

In the accompanying drawing: Figure 1 is a horizontal section through a portion of a window frame and through the upper and lower sash, Fig. 2 is a transverse vertical section through the window frame and the sash, and, Fig. 3 is an enlarged detail perspective view of one of the weather strips.

Like numerals designate corresponding parts in all of the figures of the drawing.

Referring to the drawing, the numeral 5 designates the window frame. Secured to this window frame is a stop 6 against which the upper sash 7 travels. Located between the upper sash and the lower sash 8 is a parting strip 9.

The weather strips forming the subject matter of the present invention, comprise Z-shaped metallic plates having a central portion 10 and flanges 11 and 12 which lie at right angles to said central portion 10. The flanges 11 are secured by fastening devices 13 to the adjacent faces of the upper and lower sash, while the flanges 12 slidably abut each other and travel in a groove 14 which is formed in the parting strip 9. A strip 15 completes the guide for the sash 8. A parting strip 16 which extends across the top of the window frame, is grooved as at 17 (see Fig. 2) for the reception of one of the flanges of a Z-shaped weather strip 18, the other of

said flanges being secured to the upper rail of the upper sash indicated at 19.

A parting strip 20 which extends across the bottom of the window frame is grooved as at 21, for the reception of one of the flanges of the Z-shaped weather strip 22, the other flange of said Z-shaped strip being secured to the bottom rail 23 of the lower sash.

A parting strip 24 (see Fig. 2) is secured to the bottom rail 25 of the upper sash and is grooved as at 26 for the reception of one of the flanges of the Z-shaped weather strip 27, the other flange of said weather strip being secured to the upper rail 28 of the lower sash.

From the foregoing description, it will be seen that the herein described construction and arrangement of parts provides an absolutely weather tight window. The weather strips indicated in Fig. 1 and which are located at each side of the window effectually prevent the entrance of wind, rain or snow at the sides of the window. The grooved parting strip 16 receiving the flange of the Z-shaped weather strip at the top of the window, serves a like purpose at that point, while the like construction at the bottom of the window and the grooved parting strip 24 and the weather strip carried by the upper rail of the lower sash, prevent the entrance of the weather at the bottom of the window and at the juncture of the upper and lower sash.

While the elements herein shown and described, are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth, but includes within its purview such changes as may be made within the scope of the appended claims.

What we claim, is:

1. A window construction comprising a frame, upper and lower sash, a parting strip located between said upper and lower sash, and weather strips secured to the adjacent faces of said upper and lower sash, said weather strips having members which are disposed to travel in a groove formed in the face of the parting strip.

2. A window construction comprising a frame, upper and lower sash, a parting strip located between said upper and lower sash, weather strips secured to the adjacent faces of said upper and lower sash, said weather strips having members which are disposed to travel in a groove formed in the face of the

parting strip, a parting strip extending across the upper portion of the window frame between the upper and lower sash, and a weather strip secured to the top rail of the upper sash and having a member adapted to engage a recess formed in the face of said parting strip.

3. A window construction comprising a frame, upper and lower sash, a parting strip located between said upper and lower sash, weather strips secured to the adjacent faces of said upper and lower sash, said weather strips having members which are disposed to travel in a groove formed in the face of the parting strip, a parting strip secured to the bottom rail of the upper sash, and a weather strip secured to the top rail of the lower sash and having a member adapted to engage a groove formed in the upper face of said last named parting strip.

4. A window construction comprising a frame, upper and lower sash, a parting strip located between said upper and lower sash, weather strips secured to the adjacent faces of said upper and lower sash, said weather strips having members which are disposed to travel in a groove formed in the face of the parting strip, a parting strip extending across

the bottom of the window frame between the upper and lower sash, and a weather strip secured to the bottom rail of the lower sash, said weather strip having a member adapted to engage a groove formed in the upper face of said last named parting strip.

5. The combination with a window comprising upper and lower sash, of a parting strip secured to the bottom rail of the upper sash, and a weather strip secured to the top rail of the lower sash and having a member adapted to engage in a groove formed in the upper face of said parting strip.

6. In a window, the combination with a frame, upper and lower sash, a parting strip located between said upper and lower sash, and Z-shaped weather strips secured to said sash portions of which are disposed to travel in a groove formed in the face of the parting strip.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN LUTZ.

JAMES McKELLAR.

Witnesses:

FRANK G. CAMPBELL,
L. CARL SROUGHTON.