No. 817,395. PATENTED APR. 10, 1906.

C. E. SEELEY.

DOOR JAMB AND WEATHER STRIP.

APPLICATION FILED OCT. 6, 1904.

2 SHEETS—SHEET 1.

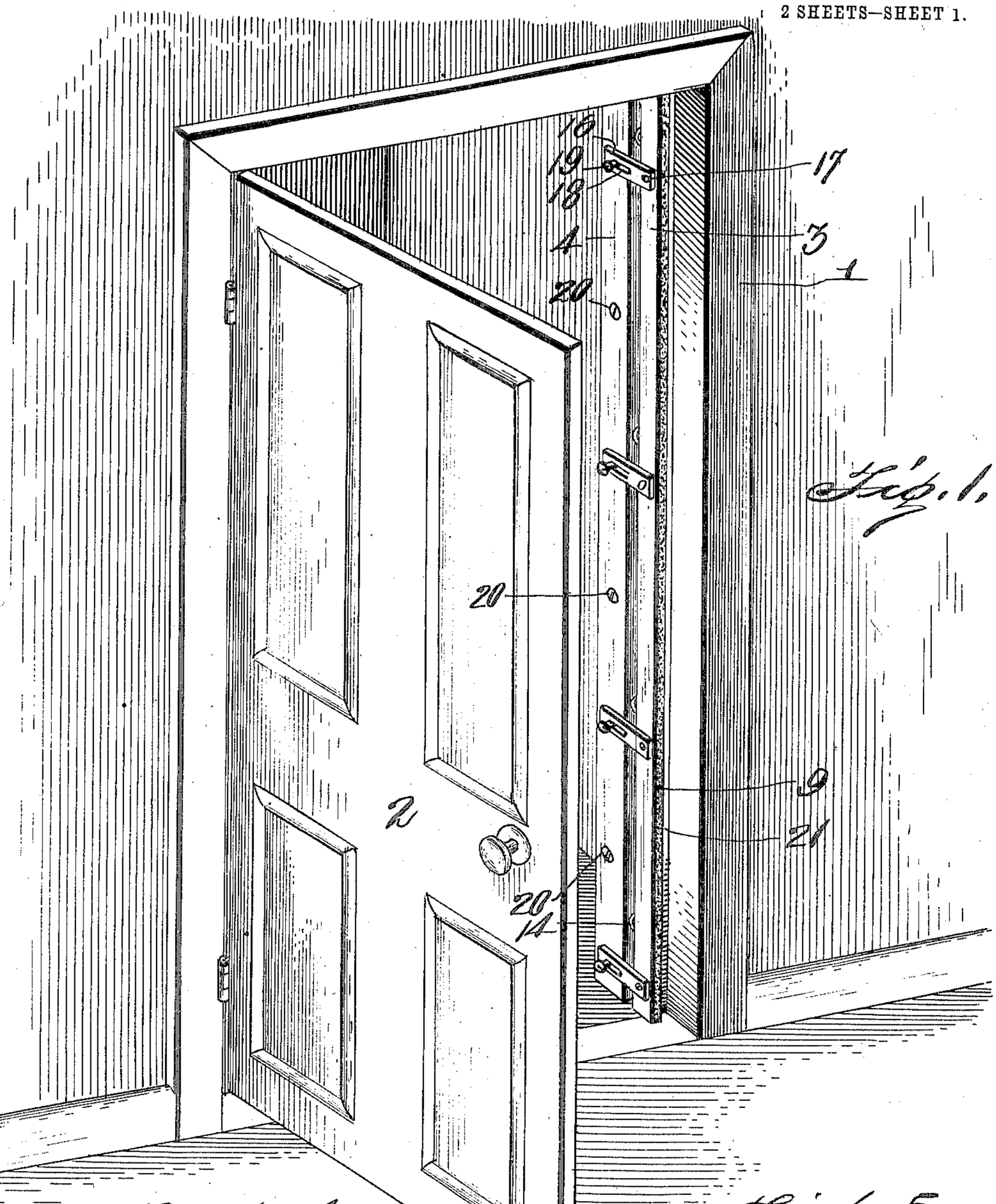
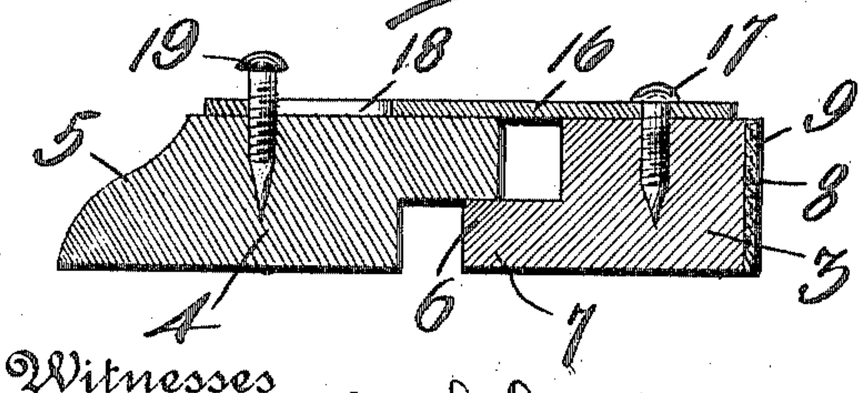


Fig. 1.

Fig. 4



Witnesses
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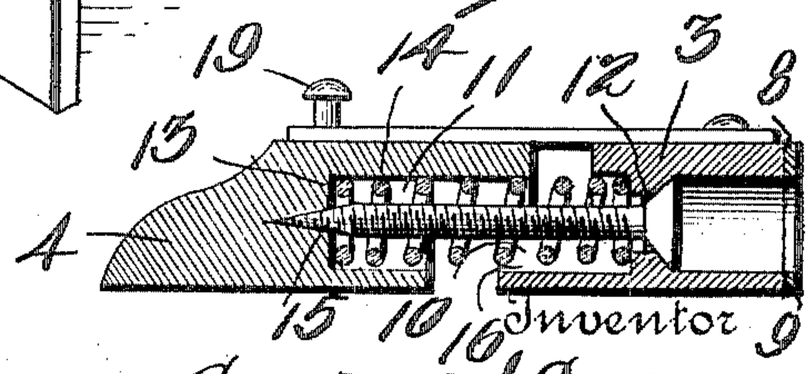
Fig. 5.



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2 SHEETS—SHEET 2.

Fig. 2.

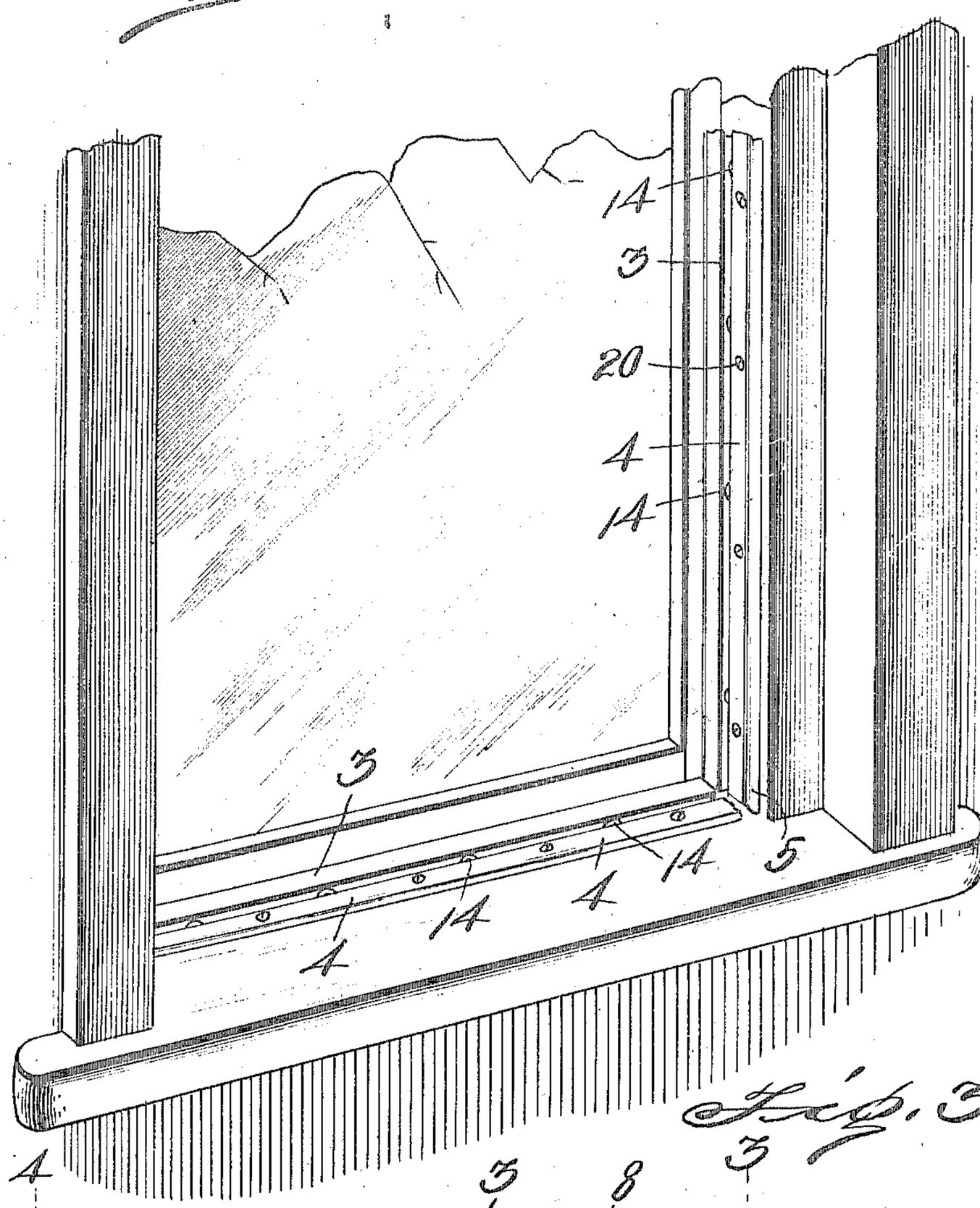
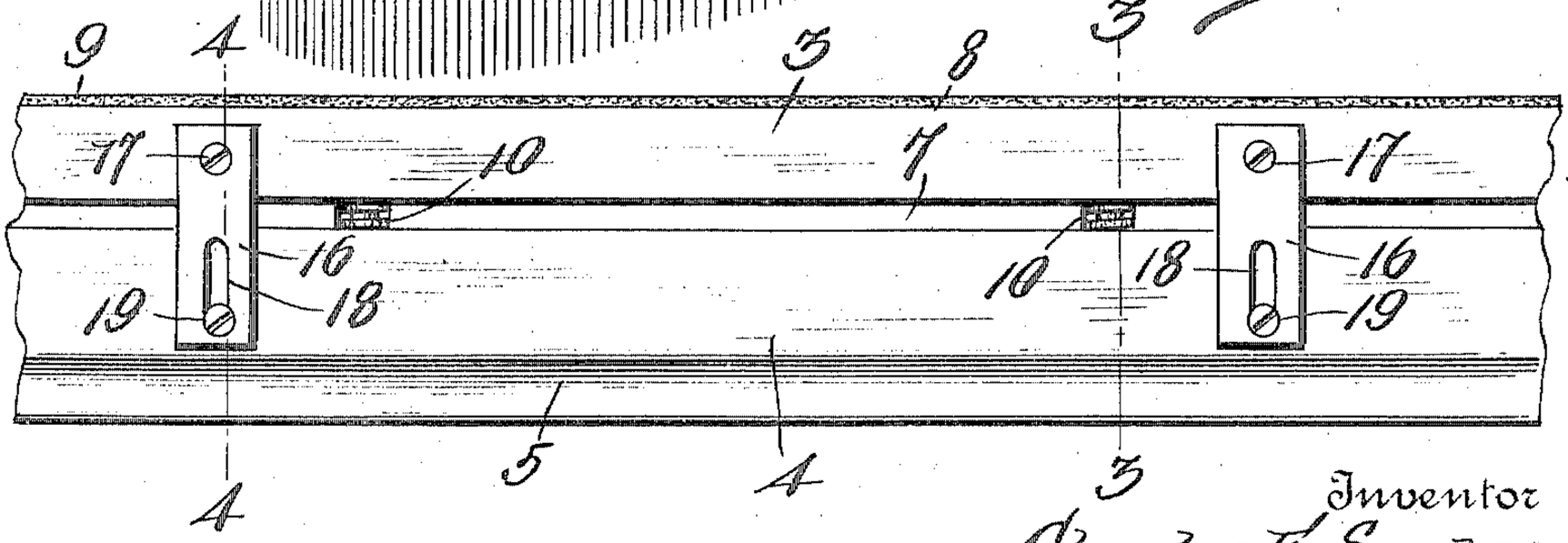


Fig. 3.



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UNITED STATES PATENT OFFICE.

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DOOR-JAMB AND WEATHER-STRIP.

No. 817,395. Specification of Letters Patent. Patented April 10, 1906.

Application filed October 6, 1904. Serial No. 227,475.

To all whom it may concern:

Be it known that I, CHARLES E. SEELEY, a citizen of the United States, residing at Bradford, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Door-Jambs and Weather-Strips; and I 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.

My invention relates to weather-strips or door-jambs, and one of the principal objects of the same is to provide a device of simple construction, which may be readily applied to a door-frame, and which will exclude snow, rain, or wind.

Another object of the same is to provide a yielding door-jamb which may be secured to the frame of the door and which will bear with a yielding action against the door when closed to form a tight joint, and thus exclude cold air and prevent rattling of the door during storms.

Another object is to provide a yielding weather-strip for windows to prevent rattling and to exclude cold air, rain, snow, &c.

These and other objects are attained by means of the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a door-casing having my invention applied thereto. Fig. 2 is a similar view of a window-casing with my improved device applied thereto. Fig. 3 is a plan view of my weather-strip or yielding door-jamb. Fig. 4 is a sectional view on the line 4 4, Fig. 3. Fig. 5 is a detail sectional view on the line 3 3 of Fig. 3.

Referring to the drawings for a more particular description of my invention, the numeral 1 designates a door-frame of ordinary construction, and 2 the door therefor.

My yielding door-jamb or weather-strip comprises two sections 3 4, the outer section 4 having a finished ogee outer edge 5 and a rabbeted inner edge 6, and the section 3 having a rabbeted outer edge 7, which coacts with the rabbeted edge of the strip 4 and permits a slight movement of the two parts relatively without exposing an opening between them. On the plain inner edge 8 of the section 3 a piece of felt 9 is secured in any suitable way, either by glue or cement or by fastening means of any suitable kinds. Extending through the section 3 at intervals within its length is a series of openings or apertures 10, said apertures registering with similar openings 11 in the section 4.

Shoulders 12 are formed in the openings 10, and shoulders 13 are formed in the openings 11 in the section 4. Springs 14 are seated in the registered openings of the two sections 3 4, the ends of said springs resting upon the shoulders 12 13. Screws 15 pass into the openings and are countersunk within the outer edge of the strip or section 3, the point or threaded portion of said screw entering an opening below the shoulder 13 in the section 4, and thus holding the two parts in relative position, the springs being sufficiently larger than the screw to permit a free movement of the sections 3 and 4 relatively toward each other.

To hold the two sections in relative positions, I have shown slotted plates 16, secured to one of the sections by a screw 17 and provided with a slot 18 near the opposite end, a screw 19 passing through the slot and into the section 4 to permit said sections 3 4 to have a limited movement relatively, as will be understood.

As applied to a door-frame the section 4 is secured to the frame by suitable fastenings 20, the section 3 extending slightly beyond the shoulder 21 to form the door-jamb, and hence when the door is closed the outer portion thereof comes into contact with the felt strip 9 and forces the section 3 toward the section 4 against the tension of the springs 14, as will be readily understood.

In using my device upon window-frames the slotted plates may be omitted, since by securing the section 4 upon the window-frame the section 3 is always held by spring actions against the window-sash, as will be readily understood.

From the foregoing it will be obvious that my weather-strip or yielding door-jamb may be manufactured at slight cost, is easily applied to doors and windows, and will be efficient for the purposes described, as will be readily understood.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention.

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

The herein-described weather-strip and yielding door-jamb, complete in itself and at-

tachable to any door or frame without modification of the latter, and consisting of two strips 3, 4, of like thickness, each rabbeted to overlap and mutually guide each other and to bring the lateral surface of each into the same plane as the corresponding surface of the other, registering openings 10, 11, in said strips, one of said openings 10, passing entirely through the strip and provided with a countersunk shoulder 12, the other aliining opening extending partially through the other strip, a screw passing through said opening 10 and secured in the bottom of the opening 11, a spring surrounding the screw and bearing at its opposite ends against the shoulder 12 with the head of the screw resting against the countersunk portion, slotted plates each secured to the outer surface of one of the strips and connected to the like surface of the other strip by a screw passing through the slot in the plate to prevent the separation of the plates, and a strip of felt secured to the edge of the outer strip, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES E. SEELEY.

Witnesses:
JOHN Y. DUNNE,
FRANK SANDBERN.