

P. Leach,
Weather Strip.

Nº 27,549.

Patented Mar. 20, 1860.

Fig. 2.

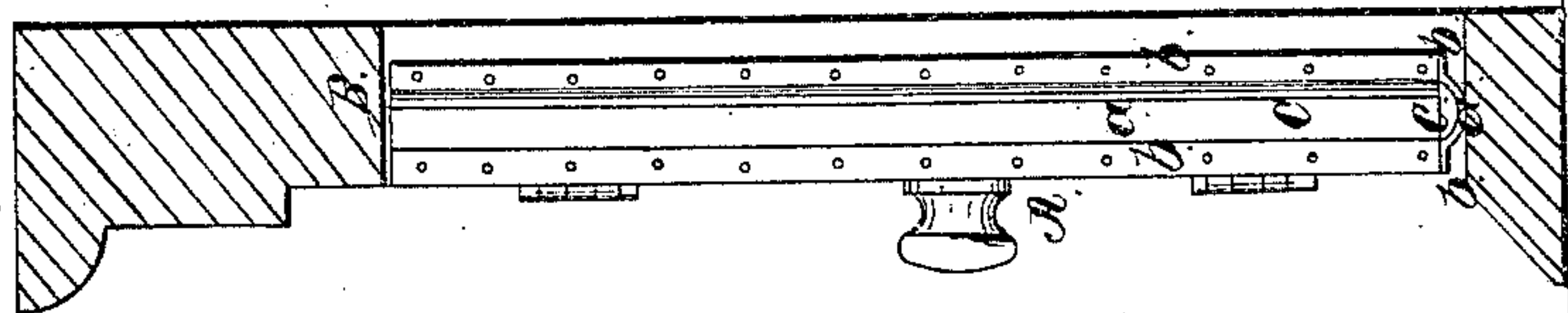
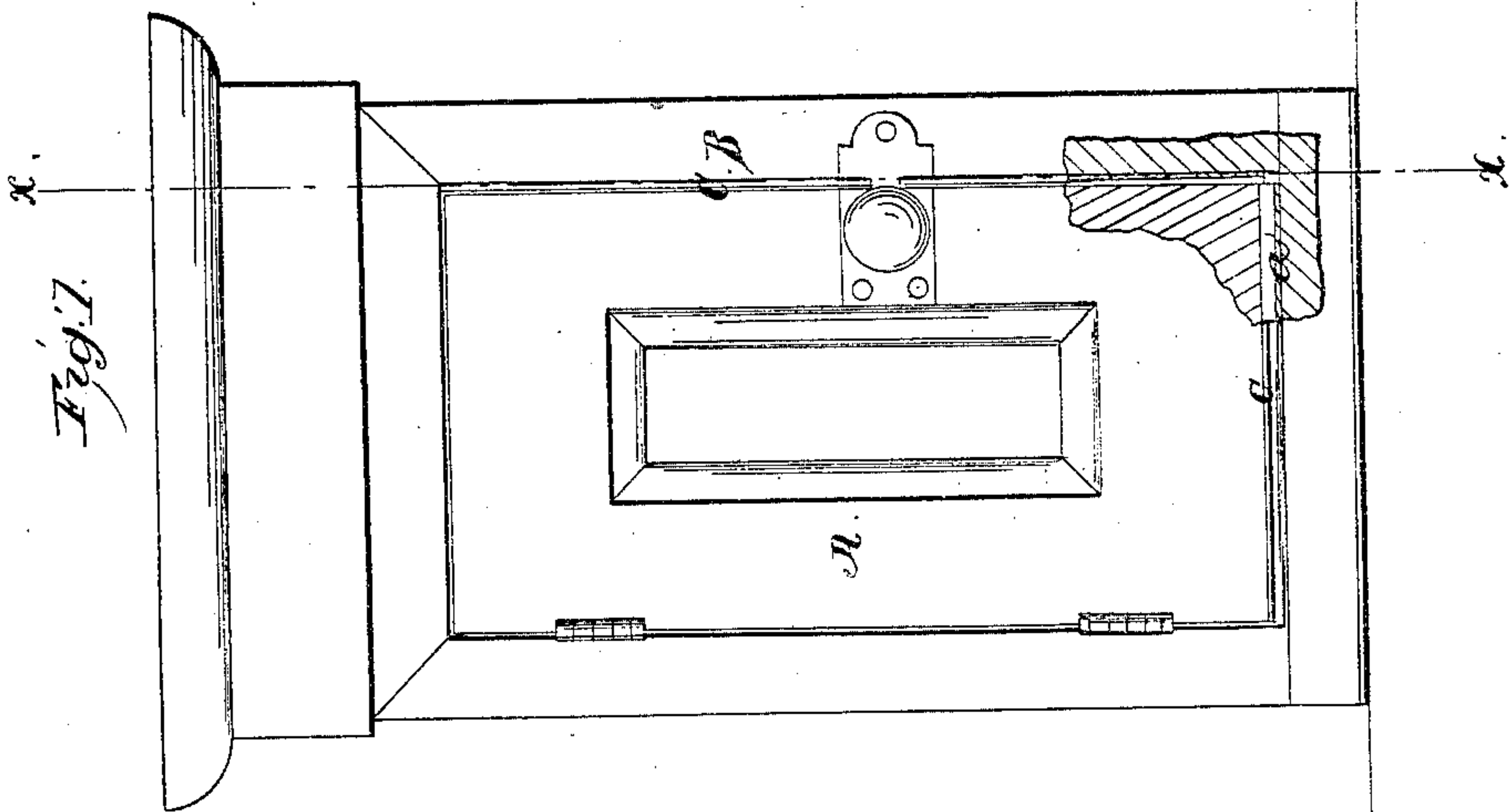


Fig. 3.



Fig. 1.



Witnesses:
C. W. Walton
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Inventor:
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UNITED STATES PATENT OFFICE.

PHINEAS LEACH, OF LEWISTON, MAINE.

WEATHER-STRIP FOR DOORS, &c.

Specification of Letters Patent No. 27,549, dated March 20, 1860.

To all whom it may concern:

Be it known that I, PHINEAS LEACH, of Lewiston, in the county of Androscoggin and State of Maine, have invented a new and Improved Weather-Strip for Doors, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1, represents a front elevation, partly in section, of a door with my weather strip attached to it. Fig. 2, is a transverse vertical section of the same, the line *x, x*, Fig. 1, indicating the plane of section, and, Fig. 3, is a transverse section in an enlarged scale of the semi-circular strip which I employ.

Similar letters of reference in the three figures indicate corresponding parts.

To enable others to fully understand, construct and apply my invention, I will proceed to describe it.

A, represents a door which fits into a frame B, being hinged to the same in the usual manner, and C, is a strip of india rubber cloth or other elastic substance pressed into such a form, that its transverse section represents a semi-circular part *a*, with a flange *b*, on each side, (see Fig. 3). These flanges serve to attach the strip to the edge and to the sides of the door as represented in Figs. 1 and 2, so that the semicircular part of the strip projects beyond the edge of the door and when the same is closed, this part of the strip adapts itself to the frame

and closes most effectually the crevices existing between the door and the frame against the passage of air, rain, snow, dust, &c.

This strip may be attached to the sides or edges of doors as represented in the drawings, or, it may be attached to the frames of the same and it may be used with equal advantage for windows, drawers &c., where it is desirable to prevent the passage of air, rain, snow or dust, as the same closes the crevices existing between the windows or drawers and their frames without impeding the operation of the same.

My improvement constitutes an improved and highly useful article of manufacture, which is intended to be produced and sold by the yard-measure. The strip as produced by me is capable of application to all doors and windows without the employment of grooves or cleats. The strip being provided with flanges is readily fastened by tacks to the bottoms, tops, and sides of doors, windows, crevices, &c.

Having described my invention I claim and desire to secure by Letters Patent, as an improved article of manufacture,

A door-strip made of rubber or other elastic material, having a semicircular part (*a*) with a flange (*b*) upon either side, as herein shown and described.

PHINEAS LEACH.

Witnesses:

C. W. WALTON,
E. T. LUCE.