

D. H. Fischel.

Weather Strip.

*N^o 2,636.
33,640.*

Patented Nov. 5, 1861.

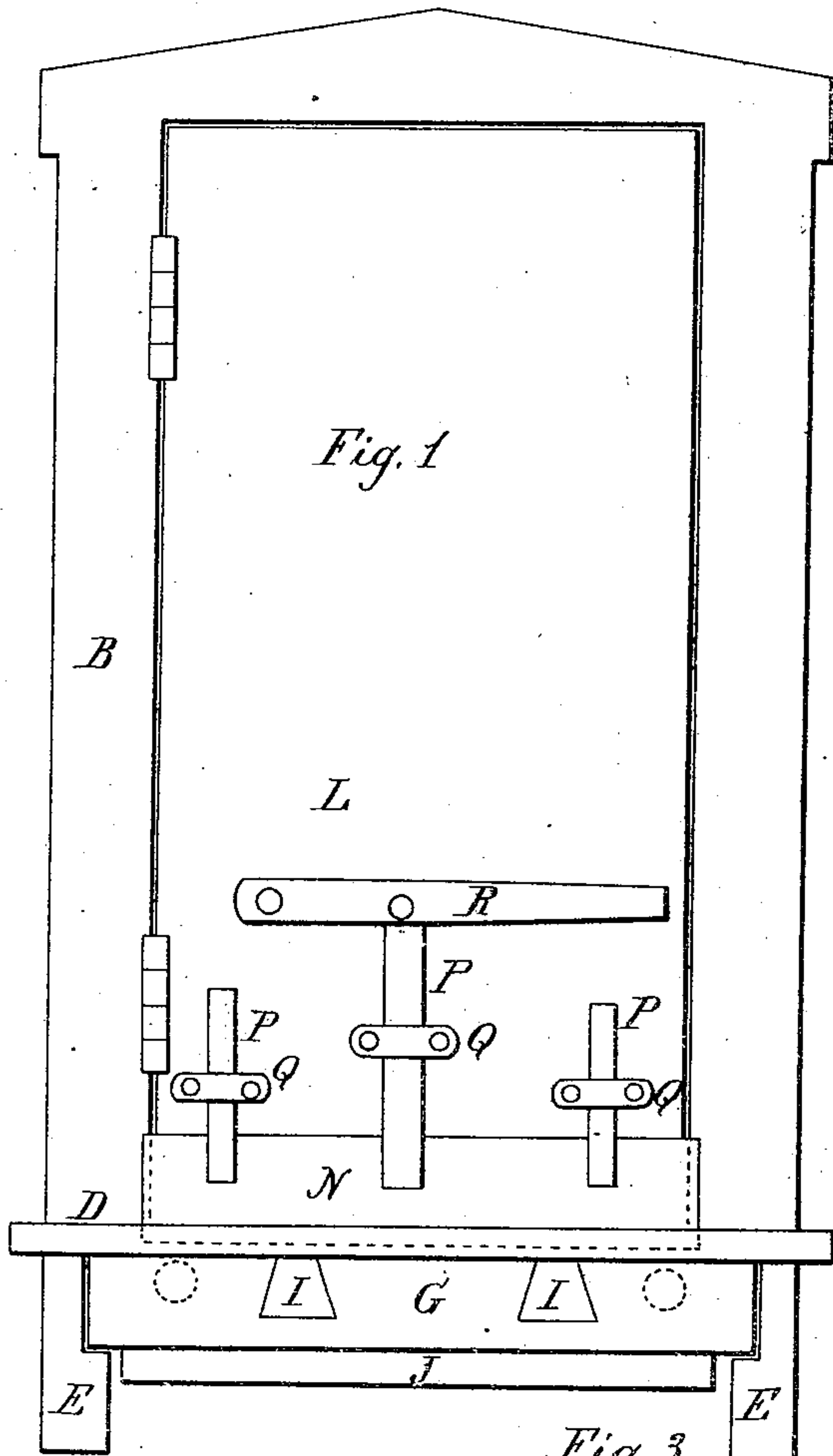


Fig. 1

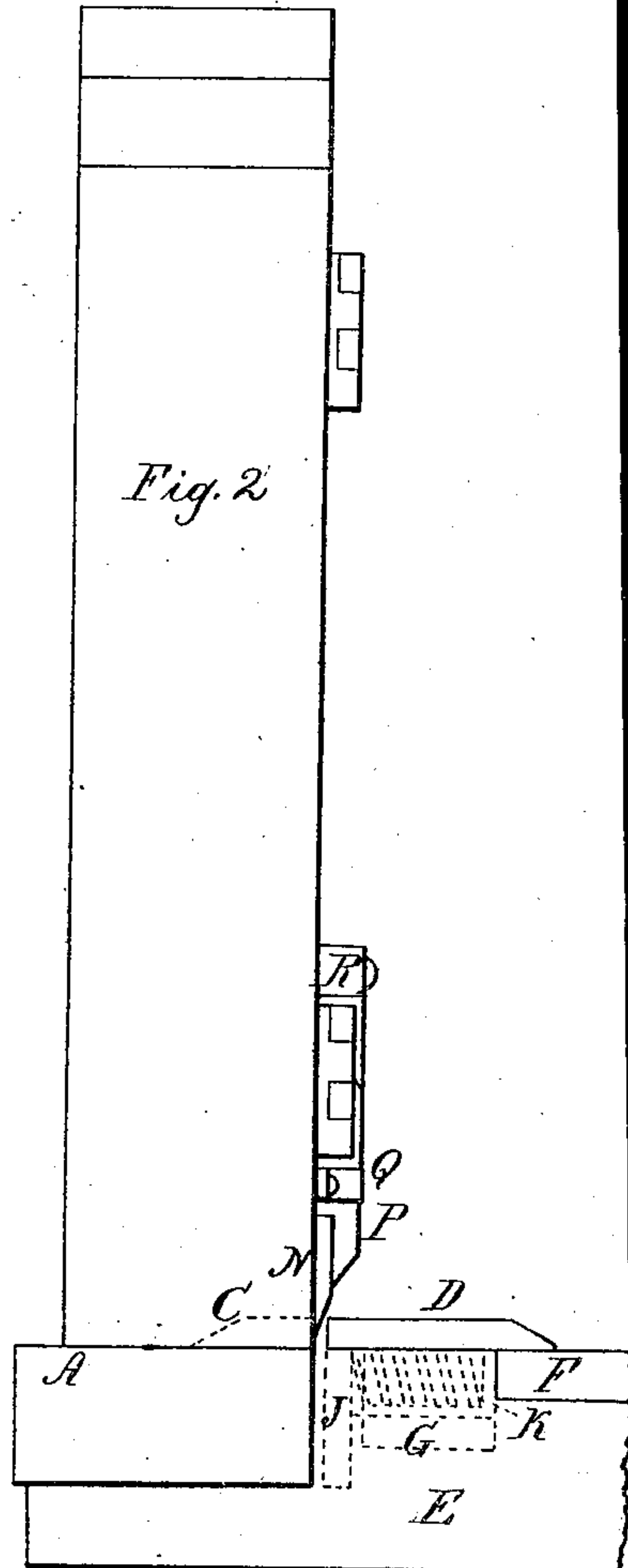


Fig. 2

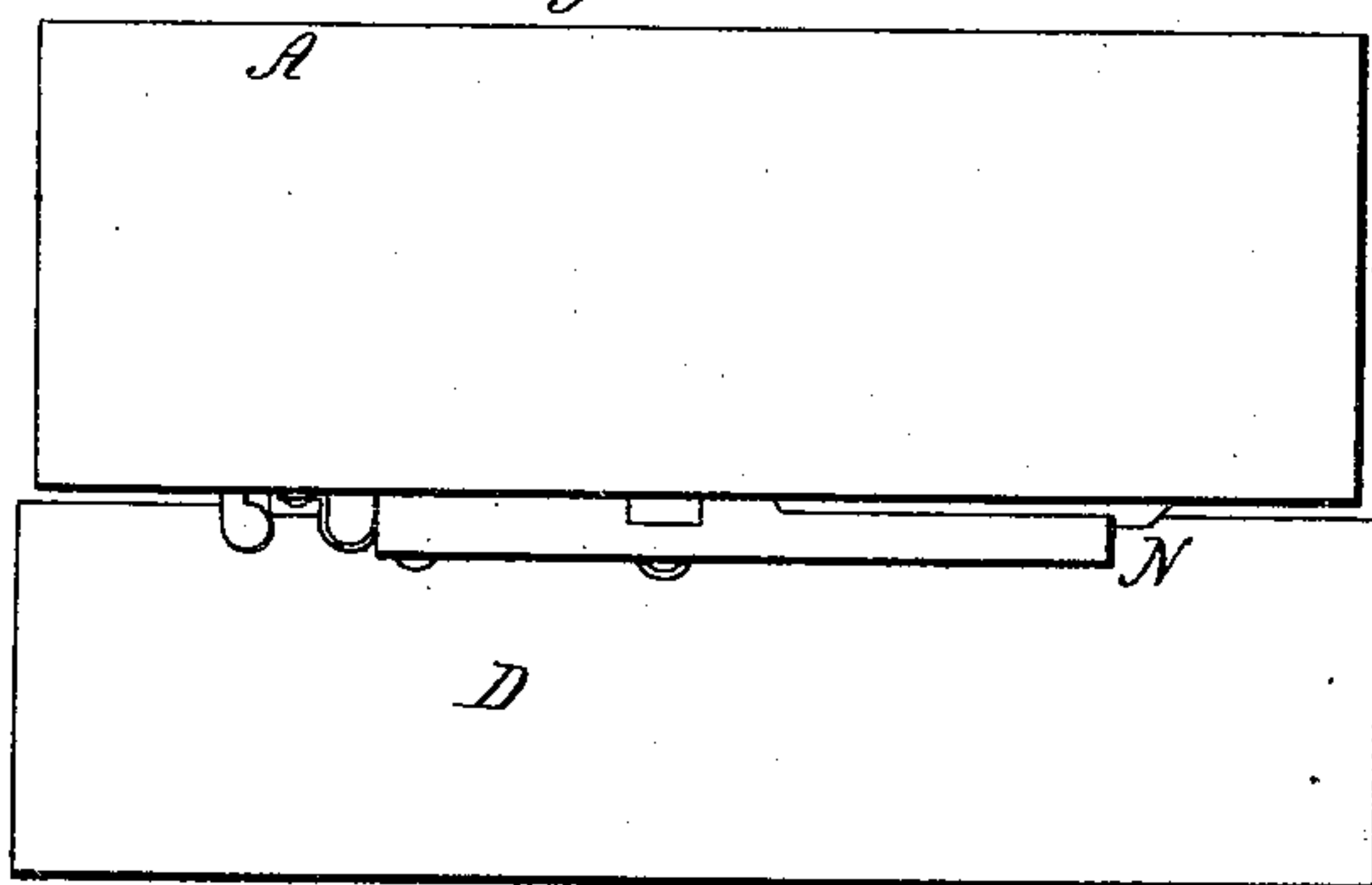


Fig. 3

Witnesses

*J. Dennis Jr.
John W. Loughhead*

Inventor

David H. Fischel

UNITED STATES PATENT OFFICE.

DAVID K. FISCHER, OF LANCASTER, OHIO.

IMPROVEMENT IN WEATHER-STRIPS AND FASTENERS FOR DOORS.

Specification forming part of Letters Patent No. 33,640, dated November 5, 1861.

To all whom it may concern:

Be it known that I, DAVID K. FISCHER, of Lancaster, in the county of Fairfield and State of Ohio, have invented a new and useful Sliding Threshold Weather-Strip and Door-Fastener; and I do hereby declare that the same is described and represented in the following specification and drawings.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation, referring to the drawings, in which the same letters indicate like parts in each of the figures.

Figure 1 is an elevation of a door with my sliding threshold. Fig. 2 is a side elevation of the same, and Fig. 3 is a plan or top view.

The nature of my invention consists in making a part of the threshold or the carpet-strip at the door to slide or traverse, and arranging it to yield as the weather-strip is pushed down between the stationary and sliding parts of the threshold.

In the above-mentioned drawings, A is the door-sill; B, the door-frame; C, the stationary threshold; D, the sliding threshold or carpet-strip.

E E are floor-joist, and F the floor fastened to the joist. The joist E E are notched, as shown in Fig. 1, for the ends of the bar G, which is fitted into them to support the sliding threshold and upon which it rests and traverses, being held in its position by the dovetailing pieces I I, which are fastened to it and arranged to traverse in scores cut across the bar G, and shown in Fig. 1. The perpendicular piece J is fastened to the sliding threshold and traverses with it. It is shown by dotted lines in Fig. 2. The bar G is perforated horizontally crosswise for some coiled springs, (shown by dotted lines in Fig. 2, at K,) which springs act against the piece J and press the sliding threshold against the weather-strip, and when that is withdrawn against

the stationary threshold C. The rear edge of the sliding threshold traverses on the floor, as shown in Fig. 2.

L is the door hinged to the frame, as shown in the drawings, and provided with a sliding weather-strip N, which is arranged to slide on the inside of the door, as shown in the drawings, so that when the door is shut the weather-strip N may be pushed down between the stationary threshold C and the sliding threshold D, and close the crack at the bottom of the door and prevent the wind from driving the rain in onto the floor, and at the same time fasten the door securely until the weather-strip is raised, when the coiled springs K push the sliding threshold forward against the stationary threshold, closing the opening which was made and filled by the weather-strip when it was pushed down. The weather-strip is held against the door by the slides P P, which are fastened to it and traverse under brackets Q Q Q, fastened to the door, as shown in the drawings. The weather-strip N is moved by the hand-lever R, is fastened to the door L, and to the middle slide P.

I believe I have described and represented the sliding threshold, weather-strip, and door-fastener, which I have invented, so as to enable any person skilled in the art to make and use it.

I will now state what I desire to secure by Letters Patent—

1. The sliding-threshold or carpet-strip, for the purposes set forth, substantially as described.

2. In combination with the sliding threshold, the weather-strip and door-fastener described.

DAVID K. FISCHER.

Witnesses:

J. DENNIS, Jr.,

JOHN HOLLINGSHEAD.