# H. Ogborn.

## Weather Strip.

No. 40,941. Patented Dec. 15, 1863.

Fig. 1

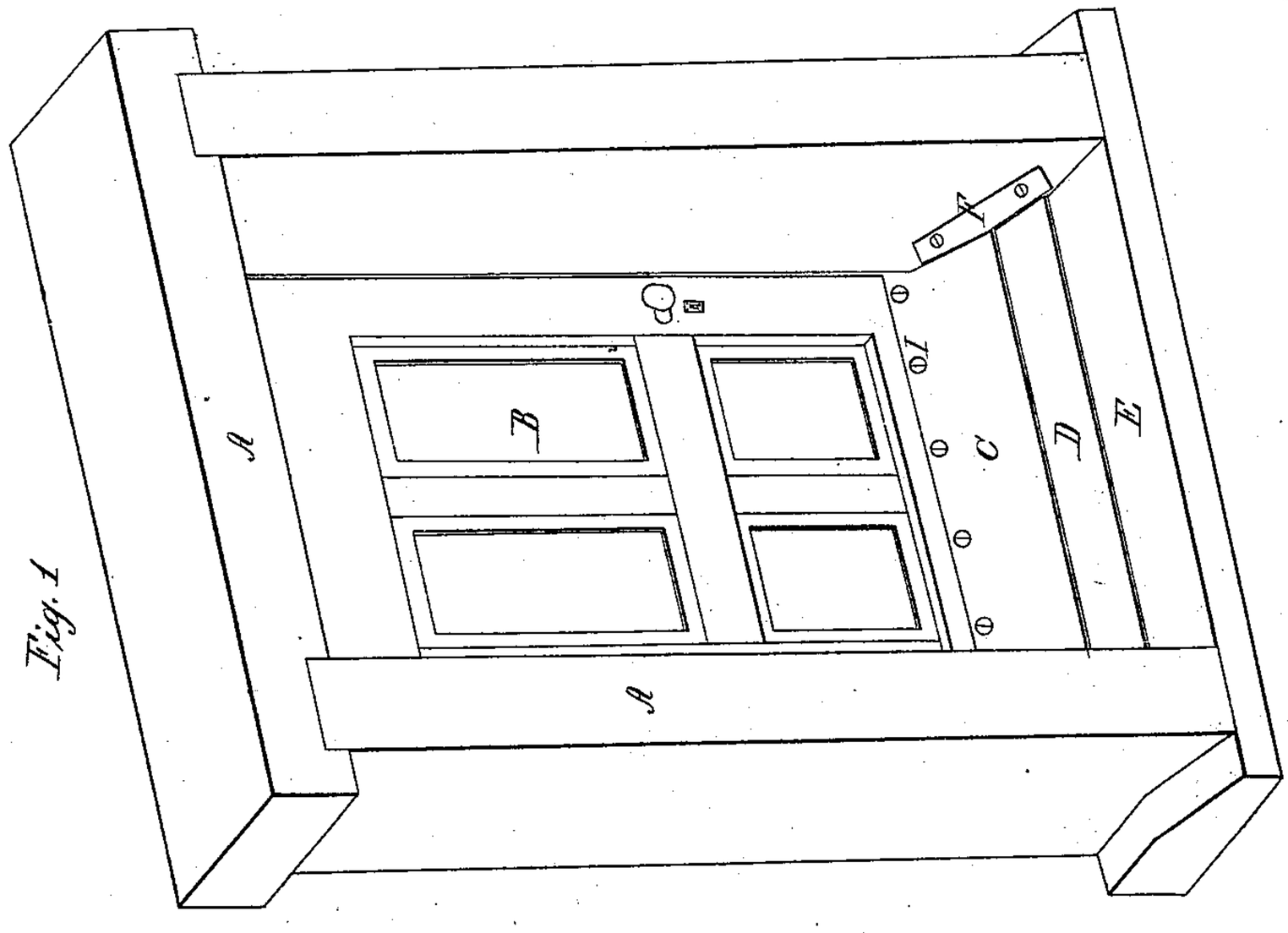



Fig. 2

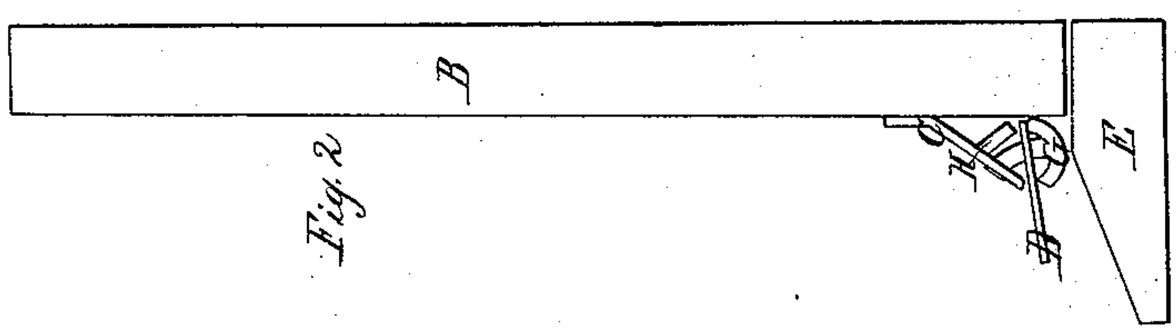



Fig. 3

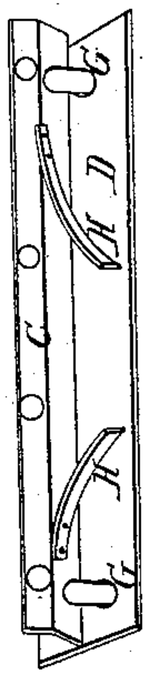
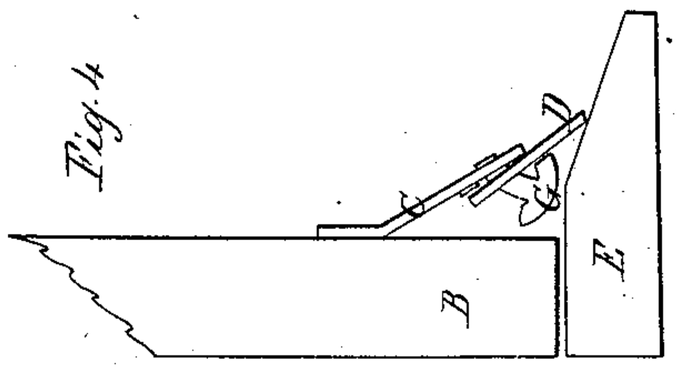



Fig. 4




Witnesses
James T. Nicholson
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# UNITED STATES PATENT OFFICE.

HARRISON OGBORN, OF GREEN'S FORK, INDIANA.

## IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **40,911**, dated December 15, 1863; antedated December 6, 1863.

*To all whom it may concern:*

Be it known that I, HARRISON OGBORN, of Green's Fork, in the county of Wayne and State of Indiana, have invented a new and useful Weather-Strip or Water-Tight Threshold for Outside Doors; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front perspective view of the weather-strip when attached to a door. Fig. 2 is a side elevation of the strip attached to a door with the door open. Fig. 3 is a rear elevation when the strip is detached. Fig. 4 is a side elevation with the door closed.

I construct my door-strip with two pieces of metal or other material, as shown at C D in Figs. 1, 2, 3. and 4, which strips are attached to doors by means of screws or nails, as shown at I in Fig. 1. A is the ordinary door-frame. B is the door to which the strip is attached. C is the curved or bent piece which goes above piece D. D is the lower or vibrating piece. E is the ordinary door-sill. F is a piece of metal which is fastened onto door-frame for the piece D to strike against to close it down onto the sill. G is a bolt or rivet of a peculiar shape, which holds the pieces C and D in their proper position, both when the door is open and closed. H H are springs that are fastened to the under side of piece C, which bear against piece D, so that the moment the door is opened the pressure of the springs on the upper side of piece D depresses it, thereby elevating the lower edge of piece D so that the door may open. I is the screw-heads in Fig. 1.

In the foregoing like letters refer to similar parts in the different figures or drawings. The bolts G G are firmly fastened to piece C in any convenient manner, but play loosely and freely in piece D in holes (two or more) made for the purpose.

Having described the construction of my invention, I will proceed to describe its operation.

When the door is thrown open, the springs H H act upon the lower piece, D, from the fact that they are fastened to the upper piece, C, and are curved off from it, in such a manner as causes the lower edge of piece D to rise up from the sill and above the floor, so that it will be as high or higher than the bottom of the door; when the door may be swung freely back and forth, and carry both strips with it. When the door is closed, the lower edge of piece D comes in contact with the edge of the sloping piece F, when the pressure causes it to slide down to the sill, thus closing the lower part of the door in such a manner as to make it water-tight, in which position it will remain as long as the door is kept closed, when if the door be opened the spring throws up the piece D, as already described.

Having described the nature, construction, and operation of my invention, what I claim therein as new and useful, and desire to secure by Letters Patent, is—

The bolts G G, in combination with curved piece C, piece D, and springs H H, the whole being arranged, constructed, and operated in the manner and for the purposes set forth.

HARRISON OGBORN.

Witnesses:

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JAMES R. ELLIOTT.