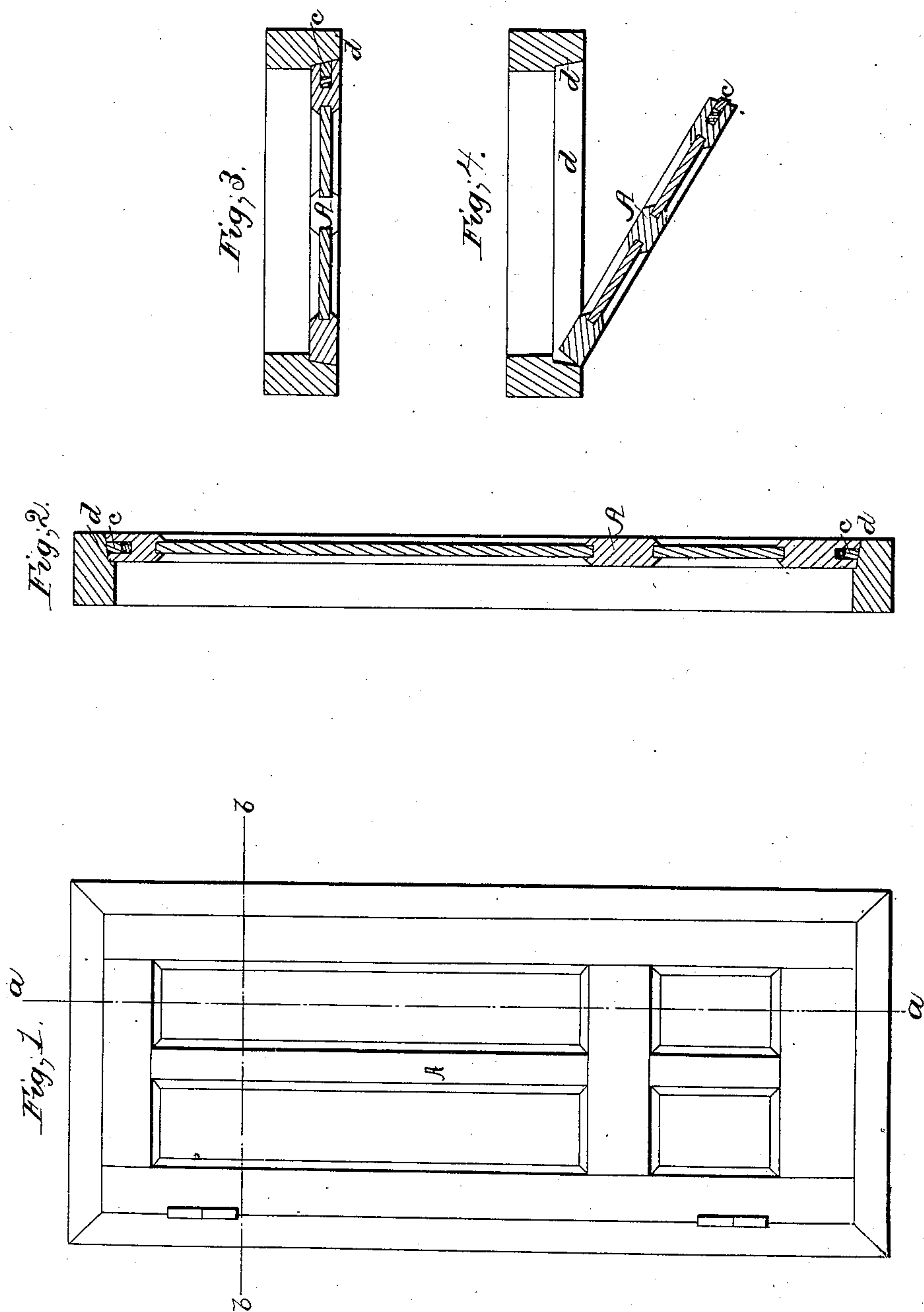


O. C. Hill.

Door.

N^o 13,090.

Patented Jan. 19, 1865.



UNITED STATES PATENT OFFICE.

ORRIS C. HILL, OF MALONE, NEW YORK.

DOOR.

Specification of Letters Patent No. 13,090, dated June 19, 1855.

To all whom it may concern:

Be it known that I, ORRIS C. HILL, of Malone, in the county of Franklin and State of New York, have invented a new and Improved Method of Making Doors Shut so Closely as to Exclude Air and Water; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

The nature of my invention consists in inserting springs and strips *c, c*, into grooves formed in the top, bottom, or outer edge of a door, whose top, bottom and outer edge is beveled and fits into a casing which is correspondingly beveled, the said strips and springs being so arranged that the strips will never spring out far enough to come in contact—when the door is swung into its casing—with the face of the casing, but far enough to bring the said strips in contact with the beveled faces of the casing before the door reaches its closed position. which will cause the said strips to be forced back somewhat, when the door reaches its closed position, and thereby insure water and wind proof joints on all sides of it.

In the accompanying drawings Figure 1, is an elevation of a closed door and its casing; Fig. 2, a vertical section in the line *a a* of Fig. 1; Fig. 3, a transverse section in the line *b b* of Fig. 1; and Fig. 4, is a transverse section representing the door as partly open.

A is the door, *c c* are the spring strips, and *d d* are the beveled faces of the door casing.

What I claim as my invention and desire to secure by Letters Patent, is—

Inserting springs and strips into grooves in the beveled top, bottom, or outer edge of a door, when the said door is made to fit into a casing which is correspondingly beveled, by which the joints of the door are made wind and water proof, substantially as herein set forth.

The above specification of my improvement in doors and their casings, signed and witnessed this 21st day of February, 1855.

ORRIS C. HILL.

Witnesses:

ABEL RICHEY,
C. E. HASTINGS.