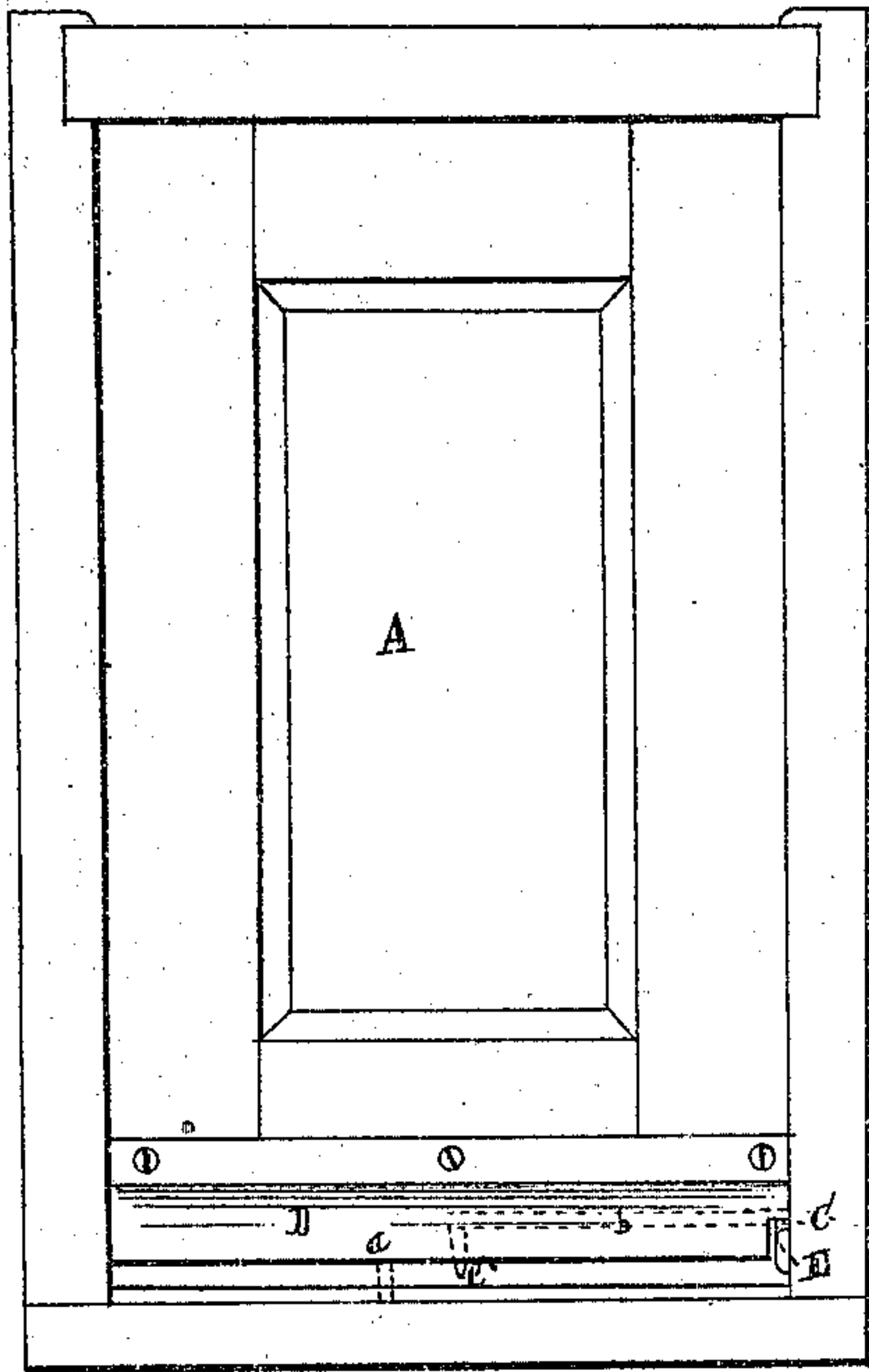


*F. A. Coats,*  
*Weather Strip.*

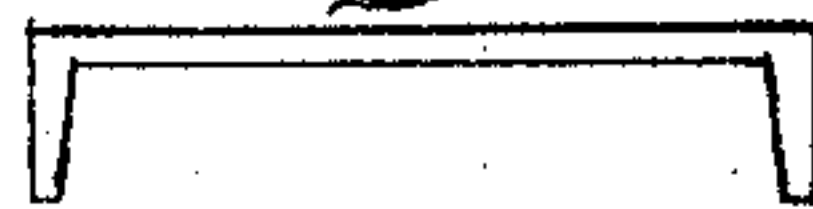
*No. 113,500,*

*Patented Apr. 11. 1871.*

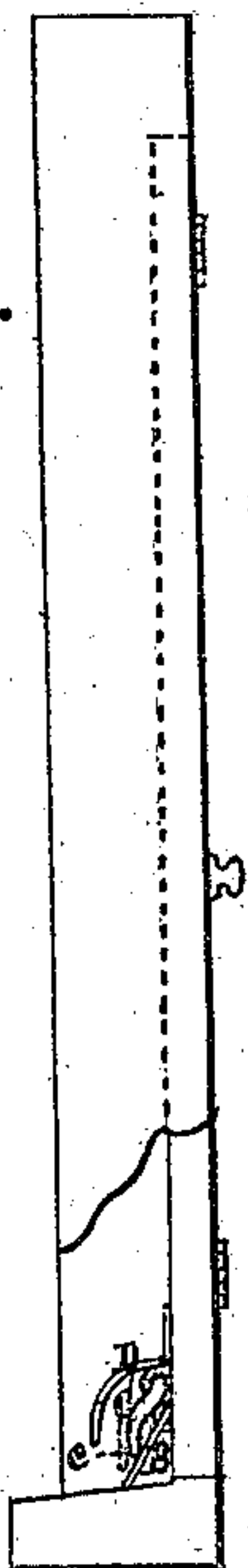
**Fig. 1.**



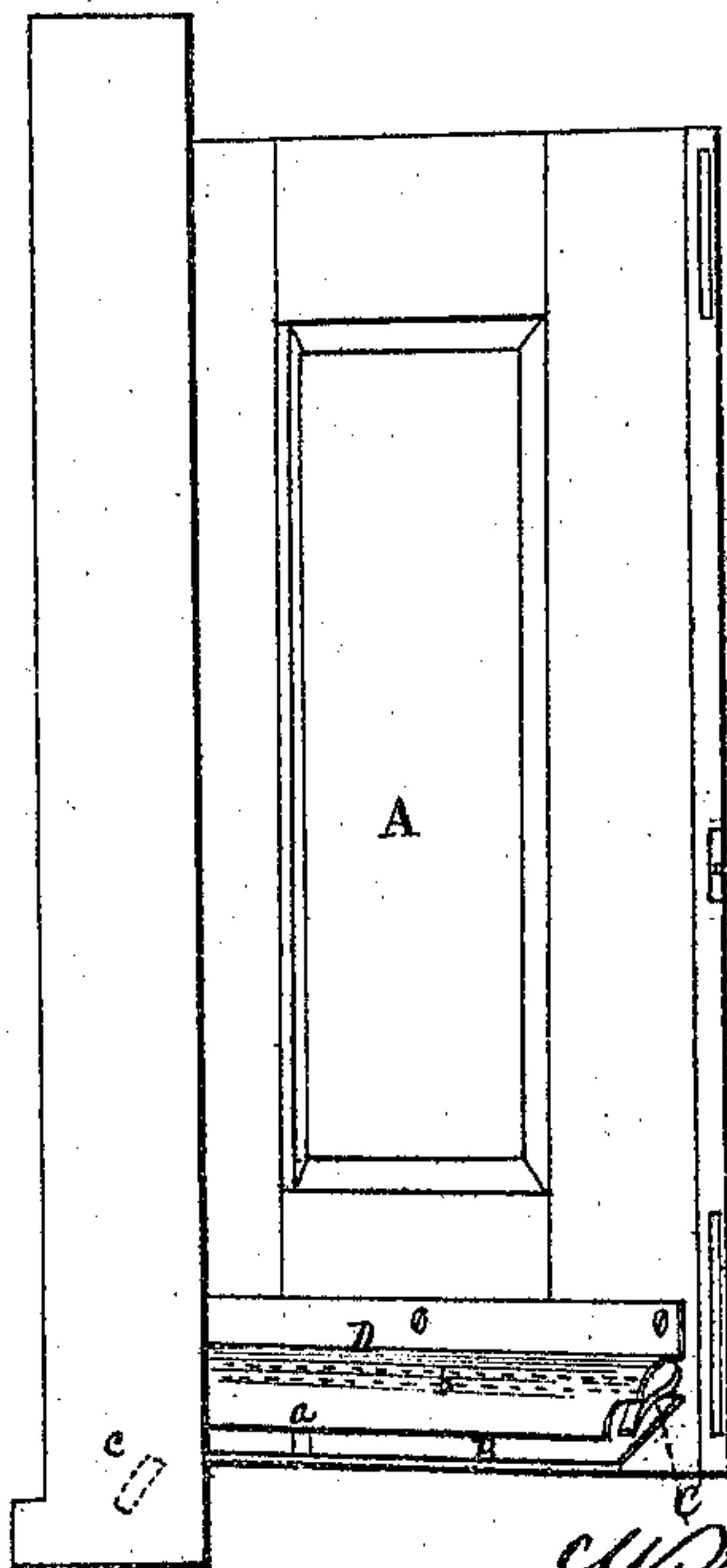
**Fig. 4**



**Fig. 2.**



**Fig. 3.**



*Inventor.*

*F. A. Coats.*

*per Burridge & Co*

*Attorneys.*

*Cleveland, O.*

*Witnesses.*

*J. H. Burridge.*

*W. S. Humphrey.*

# United States Patent Office.

FRANKLIN A. COATS, OF KELLOGGSVILLE, OHIO.

Letters Patent No. 113,500, dated April 11, 1871.

## IMPROVEMENT IN WEATHER-STRIPS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, FRANKLIN A. COATS, of Kelloggsville, in the county of Ashtabula, State of Ohio, have invented certain new and useful Improvements in Weather-Strips for Doors, of which the following is a full and complete description, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a front view of the door.

Figure 2 is an edge view.

Figure 3 is a view of the door partially opened.

Like letters of reference refer to like parts in the several views.

The nature of this invention relates to a weather-strip for doors, the same being adjusted to the door-sill by means of arms or levers, operated, (on shutting the door,) by means of a lug attached to the door-casing, as hereinafter more fully described.

In the drawing, fig. 1—

A is the door, at the bottom of which is hinged the weather-strip B, fig. 2.

The lower edge of the strip is raised and retained above the floor by means of a spring underneath the strip, as indicated by the dotted lines *a*, fig. 1.

Above the weather-strip is pivoted a pair of arms, C C', projecting from the ends of a rod, as indicated by the dotted lines *b*. A detached view of said arms and rod is shown in fig. 4.

Said arms and rod are attached to the door by means of staples, so that the arms are thereby allowed to move upward and downward, and which arms at all times rest upon the upper side of the weather-strip.

D is a shield or hood secured to the door above the weather-strip, the purpose of which is to protect said strip from the rains, &c.

The practical operation of the above-described weather-strip is as follows:

The strip, when the door is open, is lifted above the floor by a spring, *a*, referred to; hence it will not drag upon the carpet; therefore the door is free to swing open or to close, as may be.

The lower edge of the strip (on closing the door) is made to come close down upon the threshold or sill by means of the two arms C C' above described; thus, the lower end of the arm C, on closing the door, strikes upon or against a lug, E, fig. 1, (also indicated by the dotted lines *c*, figs. 2 and 3,) secured to the sill of the door-casing near the floor.

The two arms, in consequence of the arm C striking against said lug, are pressed down upon the upper side of the weather-strip, thereby forcing the strip or the lower edge thereof close to the door-sill, as shown in fig. 2. By this means the strip is made to close the opening under the door from driving rains, snow, &c., and making it tight against the admission of the winds.

### Claim.

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

The arrangement of the cap D, strip B, and the arms C C' hinged to the door between said cap and strip, in combination with the spring *a*, lug, E, door, and casing, operating conjointly as and for the purpose substantially set forth.

FRANKLIN A. COATS.

Witnesses:

P. BAKER,

NELSON P. BAKER.