

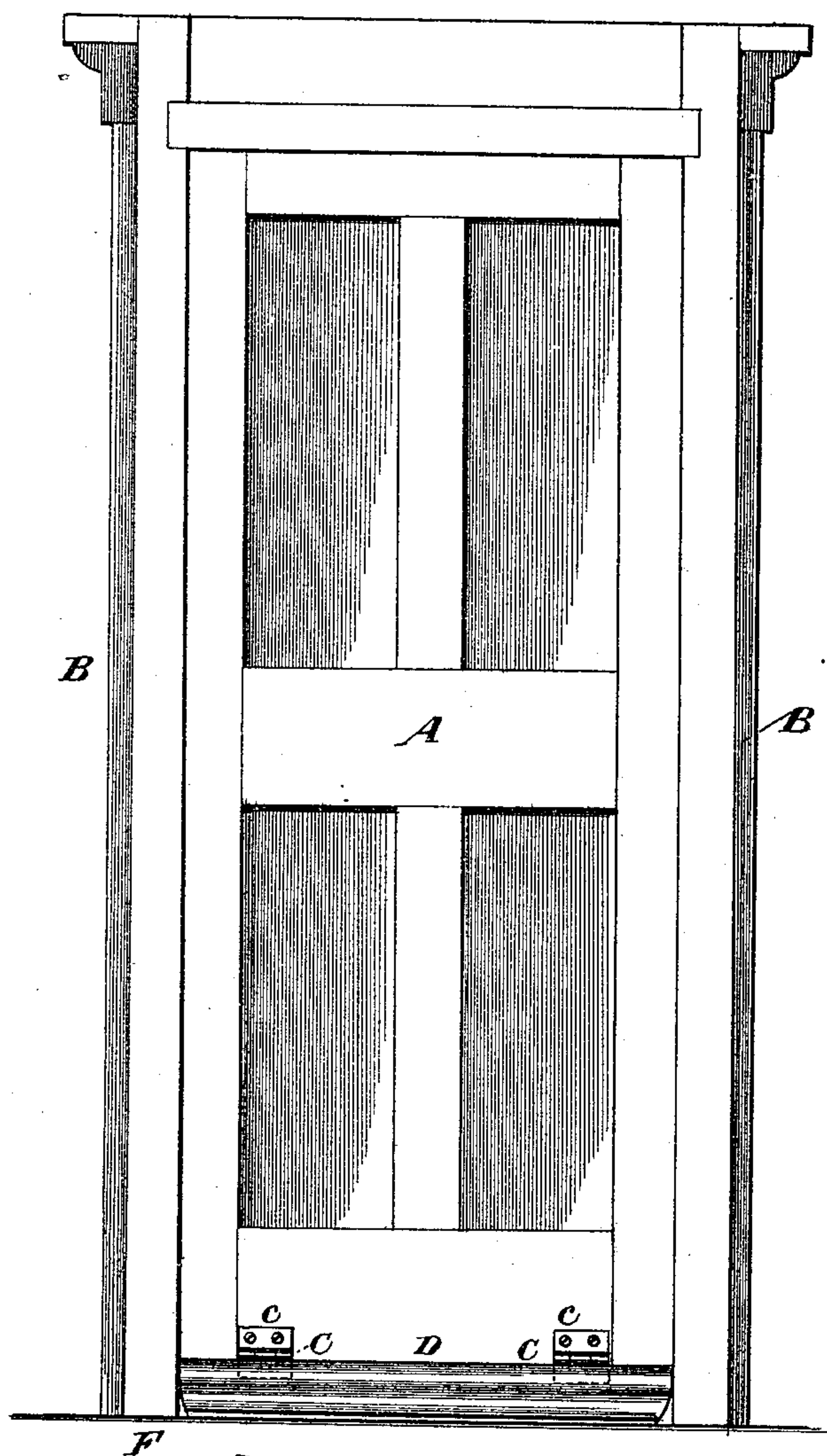
(No Model.)

G. W. SHUMAN.  
WEATHER STRIP.

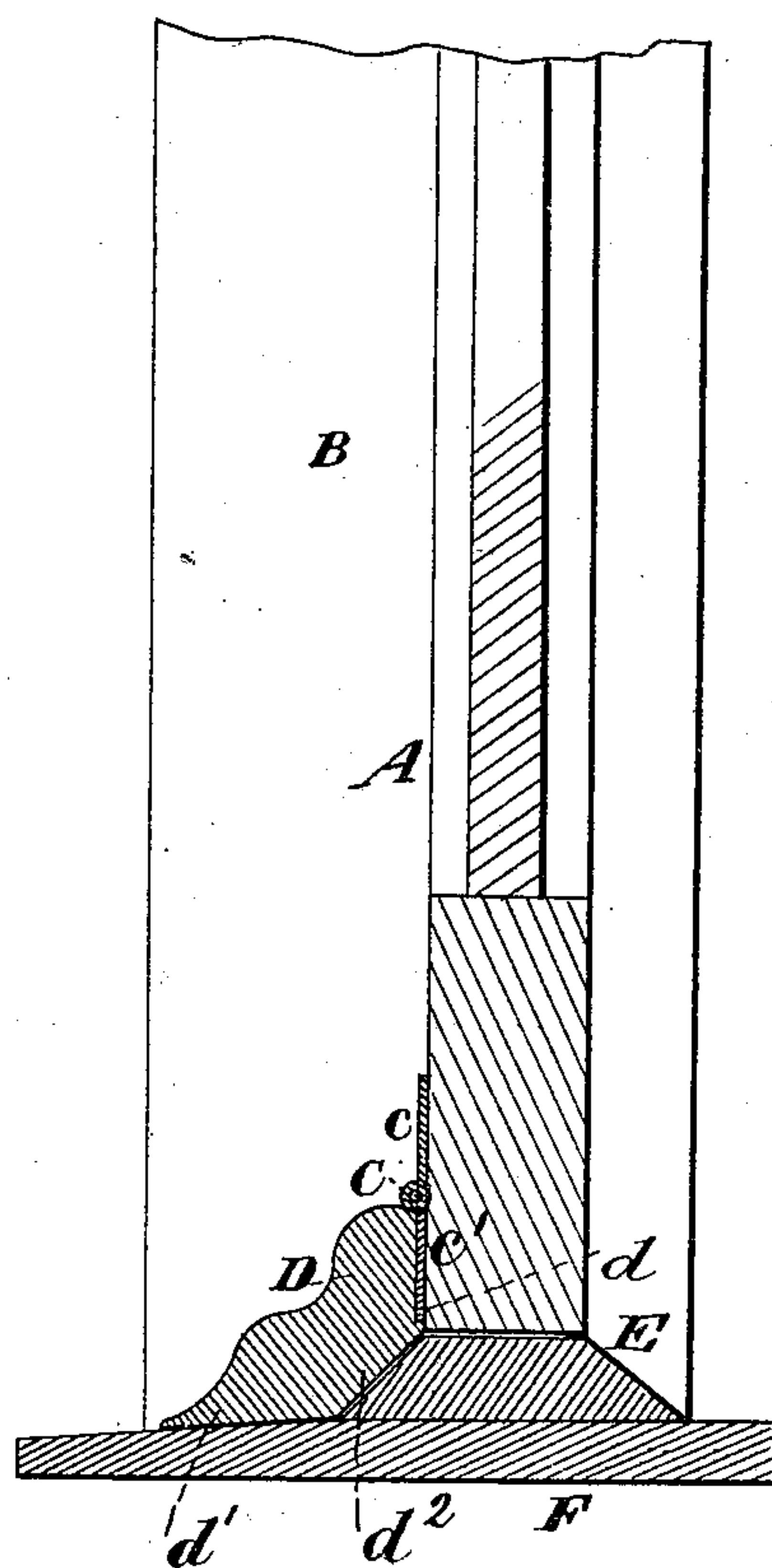
No. 329,962.

Patented Nov. 10, 1885.

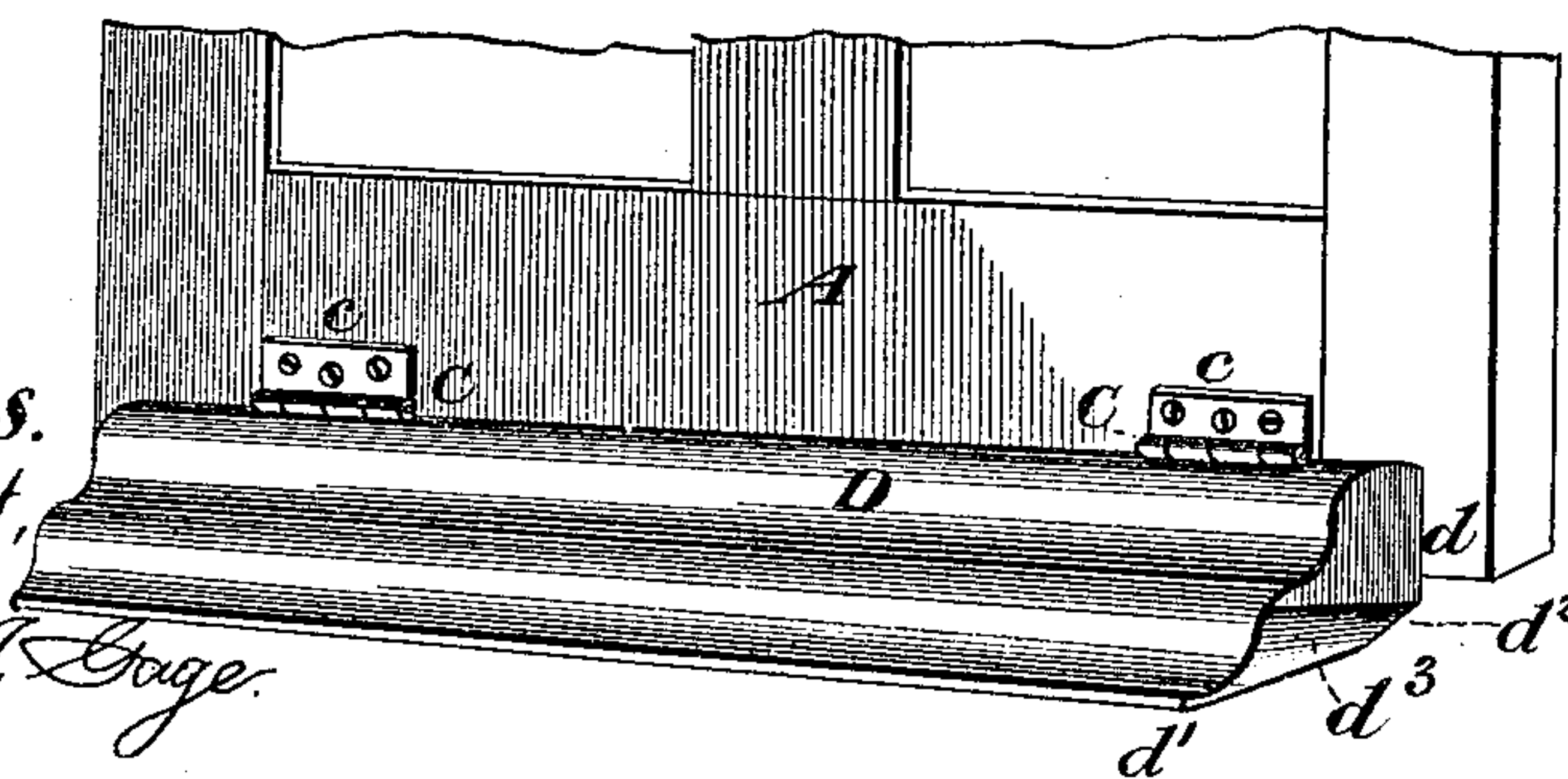
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



*Witnesses.*

*A. Ruppert.*

*Alfred T. Gage.*

*Inventor.*

*G. W. Shuman.*

*Per*  
*Thomas P. Simpson.*  
*Atty.*

# UNITED STATES PATENT OFFICE.

GEORGE W. SHUMAN, OF PLEASANT HILL, OHIO.

## WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 329,962, dated November 10, 1885.

Application filed September 17, 1885. Serial No. 177,389. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. SHUMAN, of Pleasant Hill, in the county of Miami and State of Ohio, have invented an Improved Weather-Strip, of which the following is a specification.

The invention relates, generally, to weather-strips which are made to break joint with the bottom and sill of an outer door.

The special object of the invention is to make these strips more simple, less liable to become soiled and unseemly in appearance, more durable, and to work with more uniformity.

Figure 1 of the drawings is a front elevation of a door in its frame, and with my invention applied to prevent snow or rain from beating in under the door. Fig. 2 is a perspective view showing the corner incline, which enables the strip to glide upon and over the sill easily and without the possibility of a hitch. Fig. 3 is a cross-sectional view to show the construction which enables the bottom of strip to hug the door, sill, and floor so closely as to effectually keep out the rain.

In the drawings, A represents the outer door of a house, hinged to and turning in a frame, B. To the lower part of the door I attach a double-winged hinge, C, of which the upper part, *c*, is fastened to the door, while the lower part, *c'*, is secured to the inside of the weather-strip D. The latter is made of wood or other substance which may be waterproofed on the outside with paint and made to conform to any preferred pattern or design. This gives the strip sufficient weight to fall into place by its own gravity, while it is raised by

a sill, E, beveled from the middle down on each side.

The weather-strip D is made with two sides, *d d'*, which are flat, and if extended would intersect at a right angle to each other, so that the hinge side *d* may lie flat against the door A, and the outer side, *d'*, fit down close to the floor F. Between these flat sides is a cut-out or excision, *d''*, which receives the outer edge of sill E. By this construction a very tight joint is obtained, through which water will work but a very short distance. The corner of the weather-strip D nearest to the door-hinge is subadjacently inclined at *d'''*, so as not to catch against the sill E when the door is being closed, but to ride upon and over it. This construction makes the strip entirely automatic in its action.

This weather-strip may be painted or made completely water-proof on the outside, so as not to absorb moisture. It is of little cost, will rarely get out of order, and is withal extremely durable.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A top-hinged weather-strip made in one piece, with subjacent sides *d d'* at a right angle to each other, an intermediate excision, *d''*, and a corner incline, *d'''*, substantially as shown and described.

GEORGE W. SHUMAN.

Witnesses:

URIAH DONSTON,  
WILK. F. PATTY.