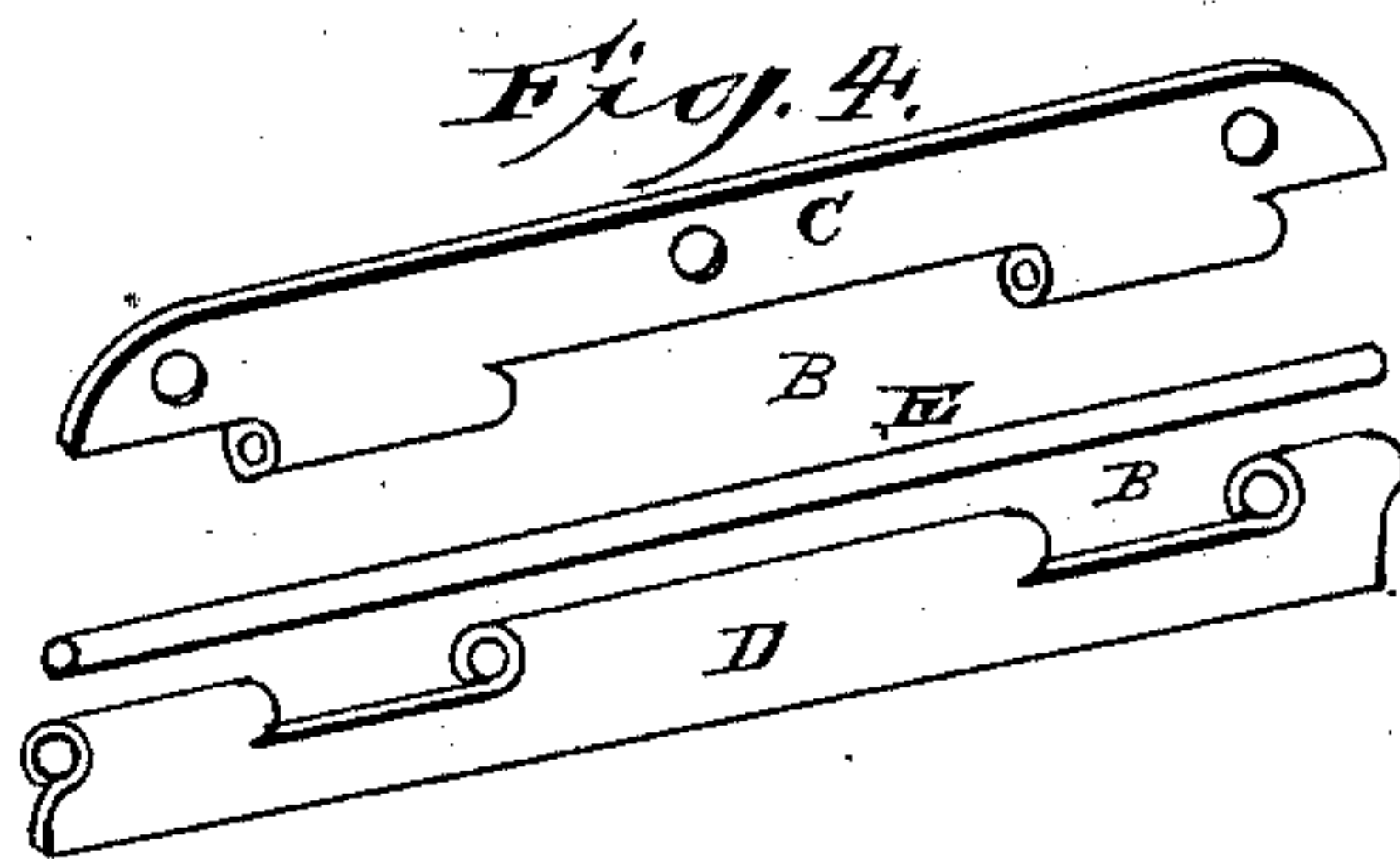
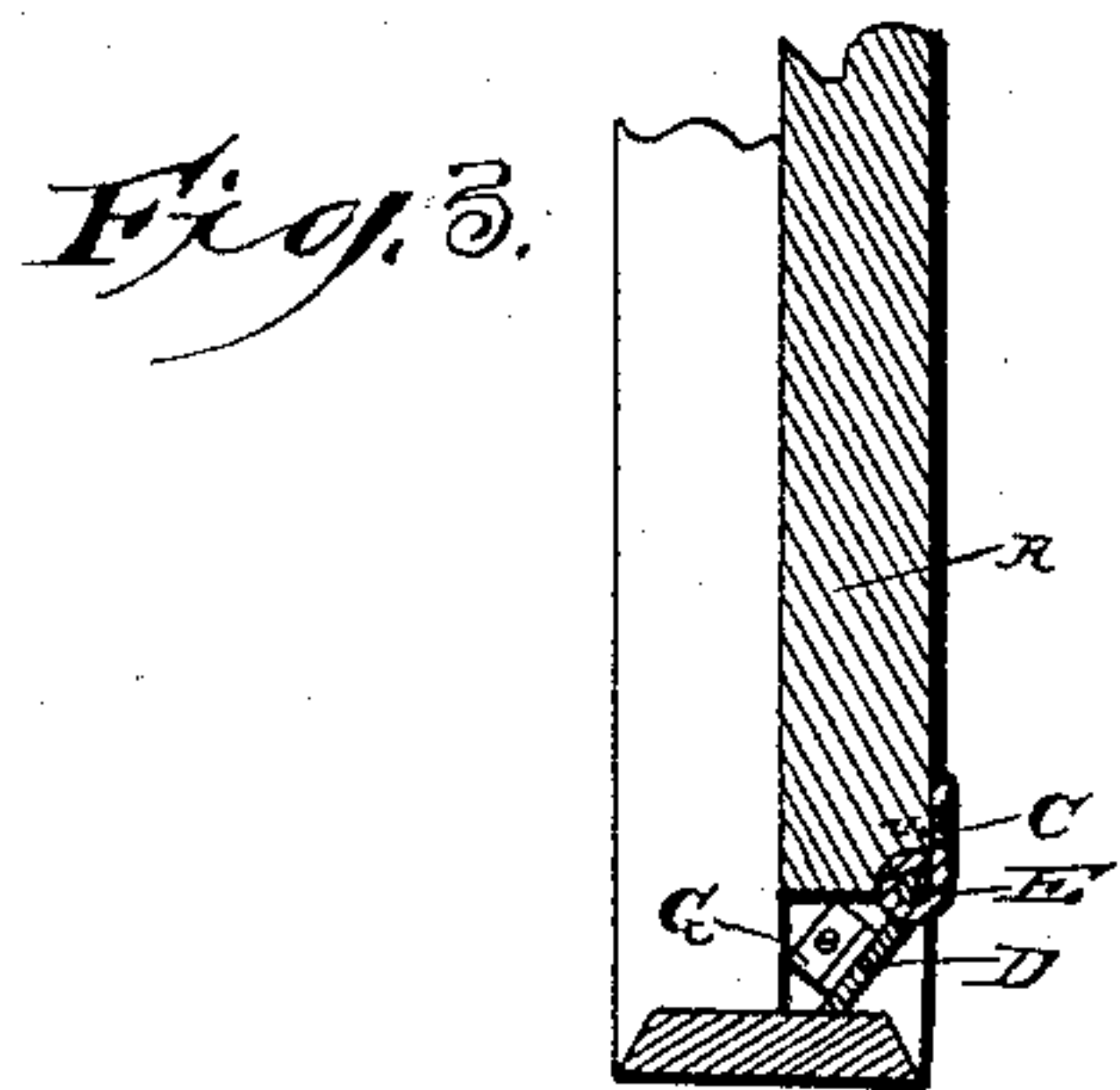
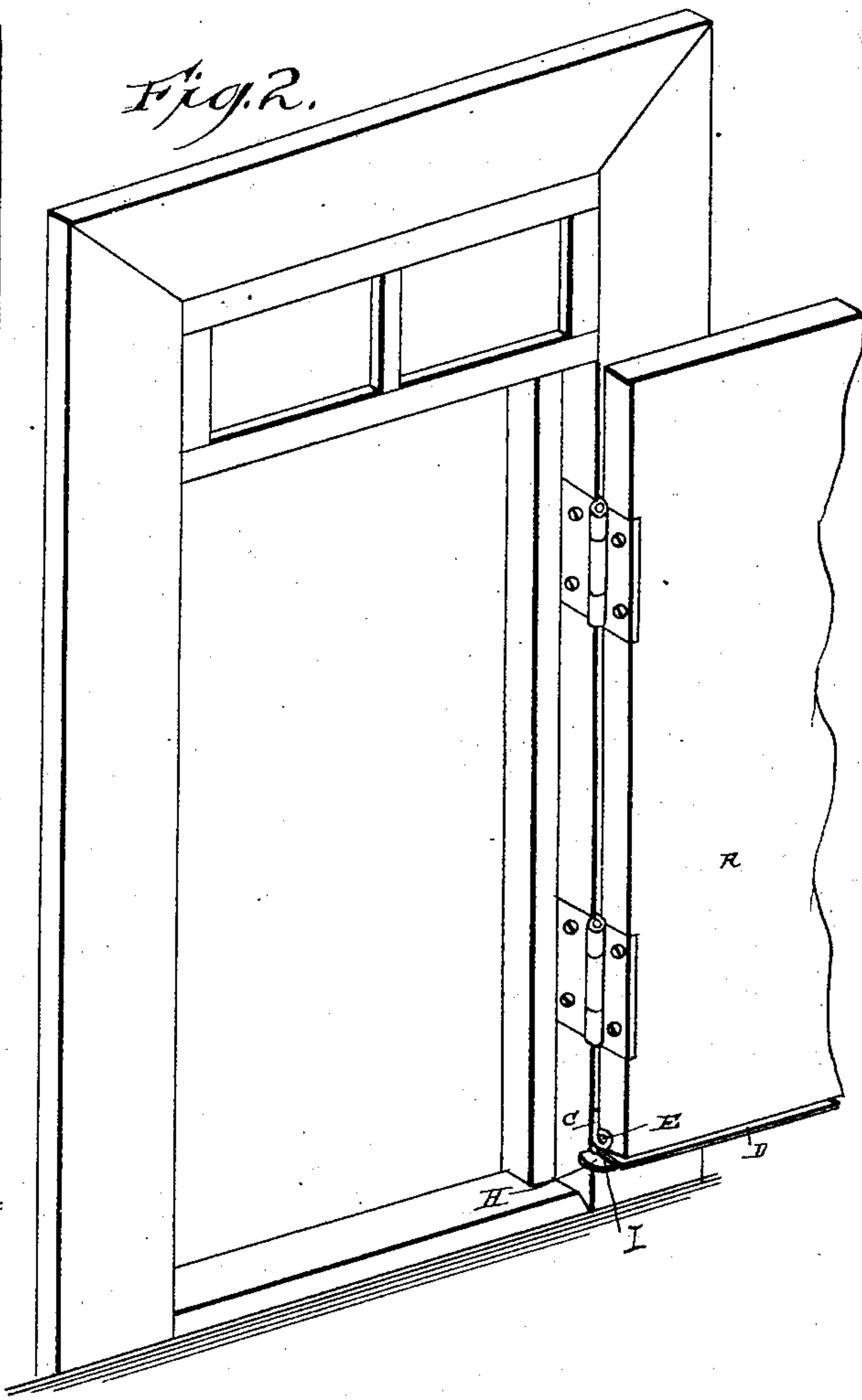
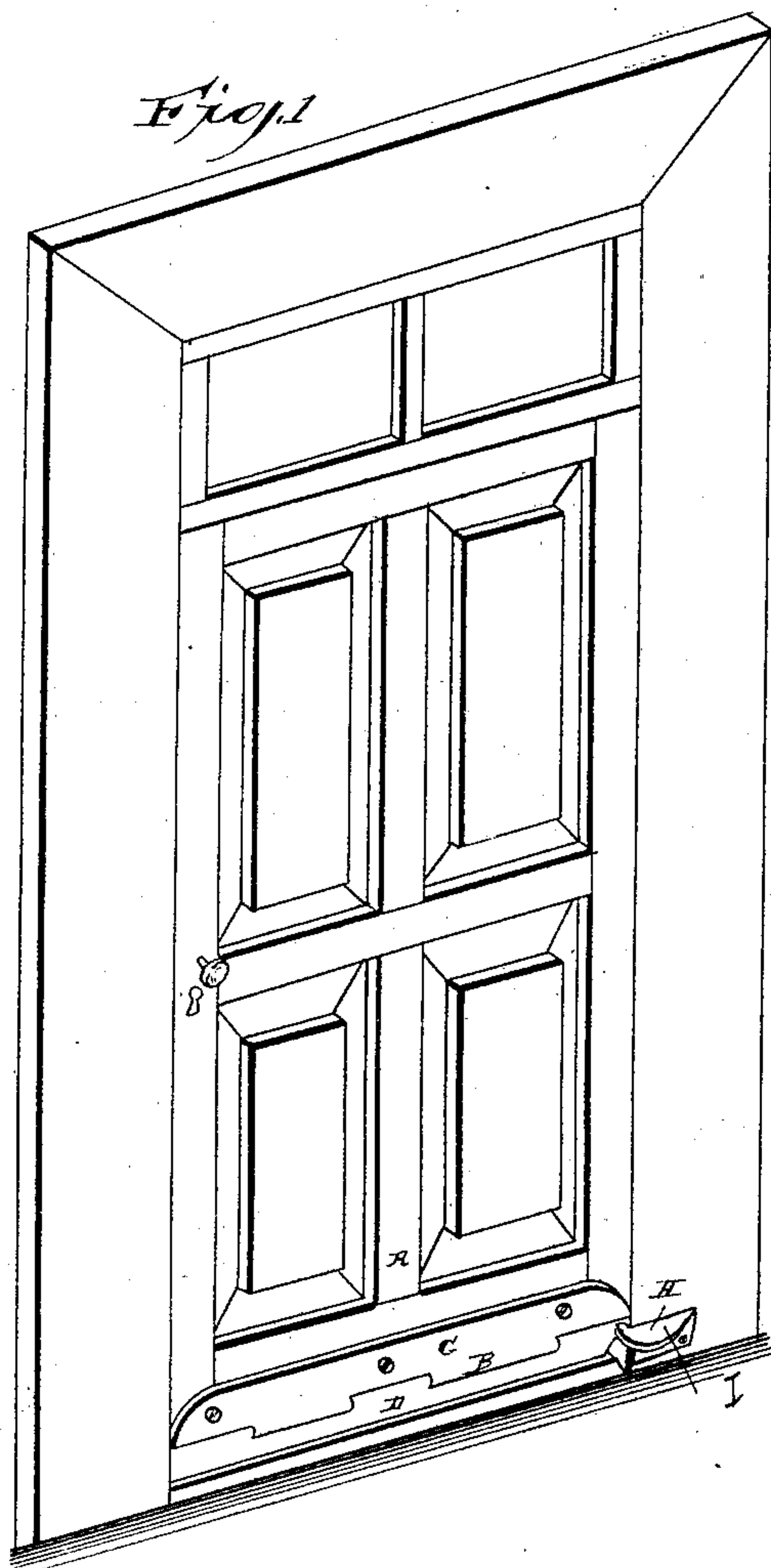


(No Model.)

I. MARTIN.
WEATHER STRIP.

No. 374,262.

Patented Dec. 6, 1887.



Witnesses
Henry E. Dieterich
John H. Siggers

Inventor
Irvin Martin
By his Attorneys
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UNITED STATES PATENT OFFICE.

IRVIN MARTIN, OF VOWINCKEL, PENNSYLVANIA.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 374,262, dated December 6, 1887.

Application filed June 29, 1887. Serial No. 242,903. (No model.)

To all whom it may concern:

Be it known that I, IRVIN MARTIN, a citizen of the United States, residing at Vowinckel, in the county of Clarion and State of Pennsylvania, have invented a new and useful Improvement in Weather-Strips, of which the following is a specification.

My invention relates to an improvement in weather-strips for doors; and it consists in a certain novel construction and arrangement of parts for service, fully set forth hereinafter, and specifically pointed out in the appended claim.

In the drawings, Figures 1 and 2 are perspective views of a door provided with my improved weather-strip, the former showing the door closed and the latter showing the door open. Fig. 3 is a transverse section of the strip. Fig. 4 is a detail perspective view of the weather-strip.

Referring by letter to the drawings, A designates the door, and B the weather-strip on the lower edge thereof, comprising the leaf or plate C, which is secured by screws or other suitable means to the door, the movable leaf D, and the pintle E, which passes through eyes formed on the adjacent edges of the said leaves C D and pivots them together. It will be seen that the tendency of this lower or movable leaf is to drop until the lower edge thereof touches the floor, and to hold it in this position firmly when the door is shut I provide the small inclined stop G on the jamb of the door close to the floor. When the door is closed, the edge of the weather-strip presses against the said stop G, and the said strip is held from being moved until the door is again opened. While the door is being swung open, however, it is not desirable that the weather-strip should drag on the floor, and therefore I provide the bracket H on the hinged side of the door-frame, having the plate I extending out horizontally therefrom, the said plate being arranged slightly below the pintle of the joint between the plates or leaves C D, and thus when the door is swung open the edge of the plate I strikes against the lower or movable leaf, D, and raises it into a nearly horizontal position, and holds it thus until the door is again closed.

I am aware that it is not new to provide a hinged or swinging strip for the lower edge of the door to drop down and rest at the lower edge of the floor to exclude the cold and dust

when the door is closed. I am also aware that it is not new to provide an inclined stop for the edge of the said swinging strip to hold the same firmly in position when the door is closed. I am also aware that it is not new to provide the bracket having the platform or plate to strike against the said hinged or swinging leaf or strip and raise the same when the door is opened and hold the said strip in the elevated position until the door is again closed. I therefore do not claim these features.

It is usual to hinge the swinging strip to the lower edge of the door, cutting a groove or slot in the said door to enable the same to be accomplished, and it is to avoid this cutting of the door that I provide the means herein described.

The plate or leaf C is removably secured to the door in any suitable manner, and to the lower edge thereof is hinged the movable plate or leaf D. The said strip thus constructed may be applied to any door in a very few minutes, and if it should be desired to remove the same it can be done very easily and will not leave the door in a marred or mutilated condition; also, should the weather-strip so constructed become damaged in any way, it may be removed and replaced by another or repaired with but very little trouble, while those which are attached to the door in the usual way are difficult to remove, and are very liable to necessitate the marring or mutilation thereof in so doing.

Having thus described my invention, I claim—

In a weather-strip, the combination of the strip or leaf C, secured to the door near the lower edge, the swinging leaf D, hinged to the lower edge of the leaf C and adapted to hang below the edge of the door, and the horizontal plate I, secured rigidly to the side of the door-frame to which the door is hinged and a short distance above the sill in the path of the swinging leaf, whereby when the door is opened said plate will engage the leaf and raise it from the sill, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

IRVIN MARTIN.

Witnesses:

A. H. BECK,
T. M. ARNOLD.