(No Model.)

S. A. RANKIN.

WEATHER STRIP.

No. 375,951. Patented Jan. 3, 1888.

Fig. 2

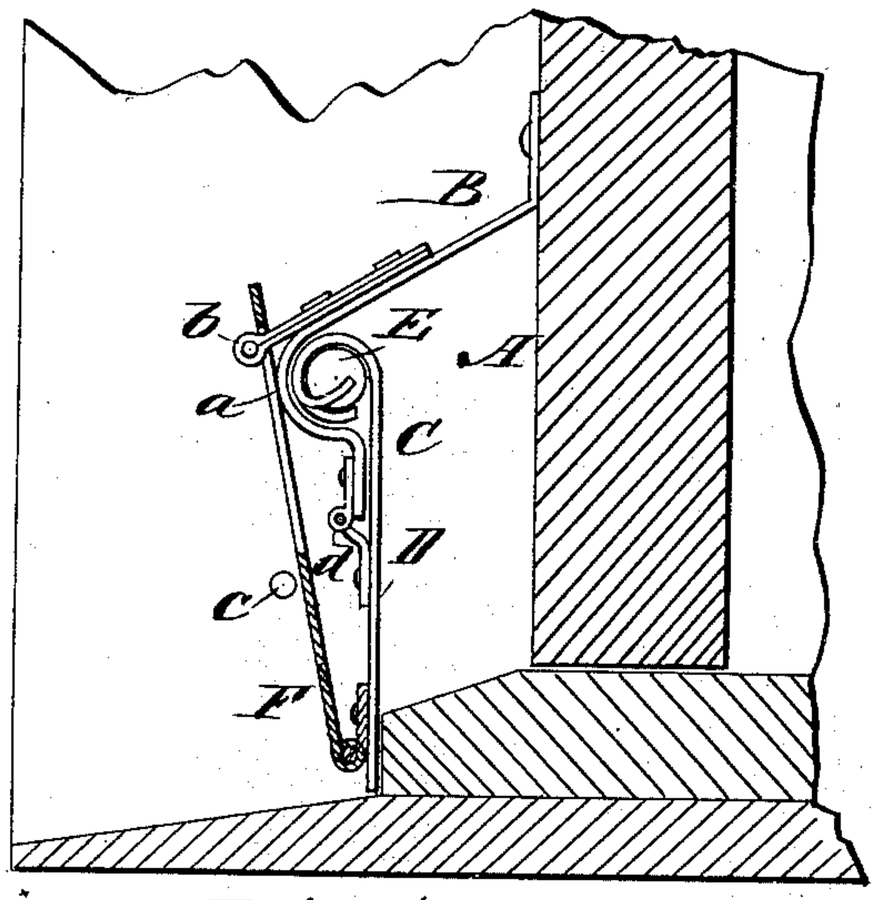


Fig. 1.

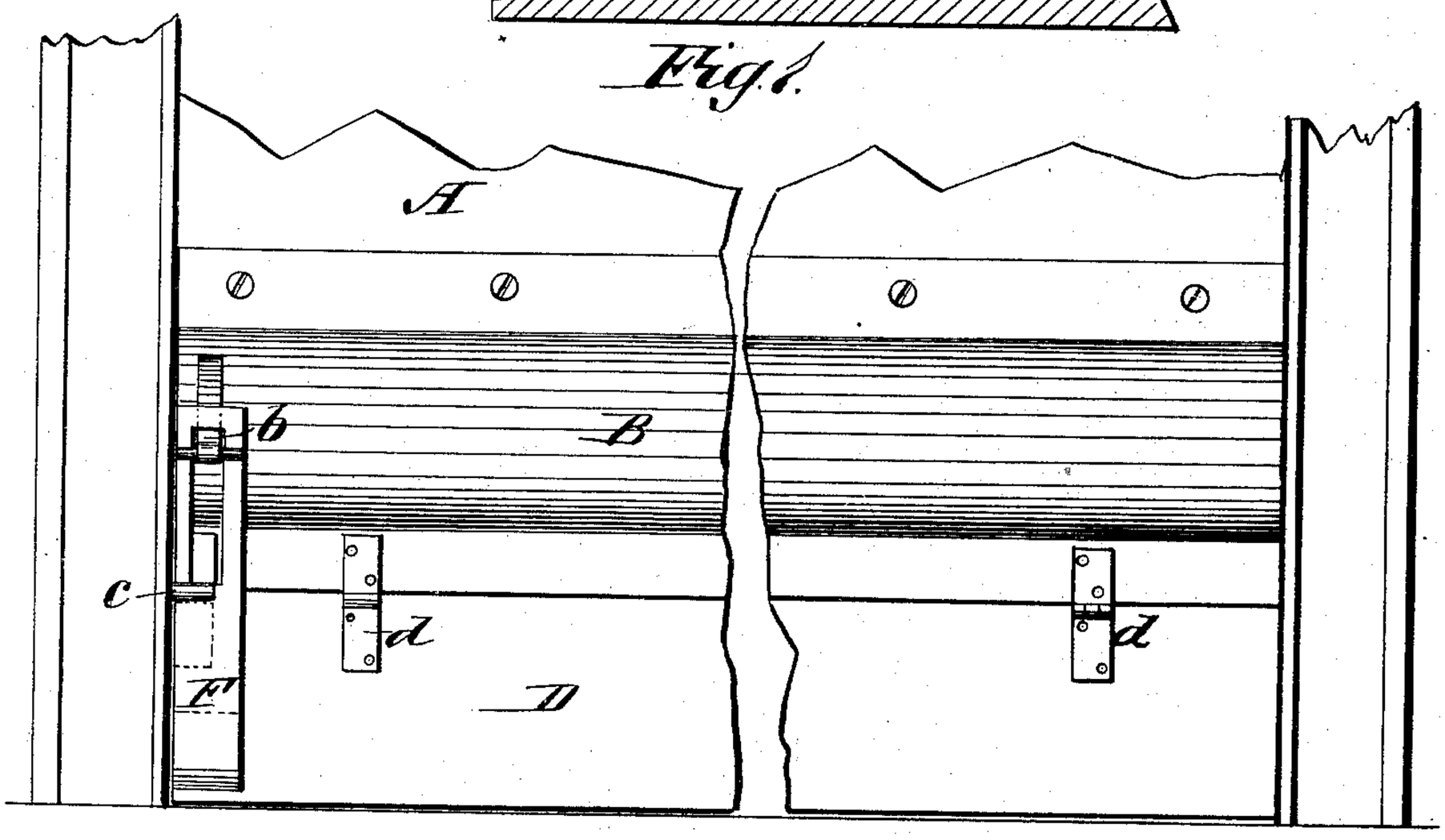
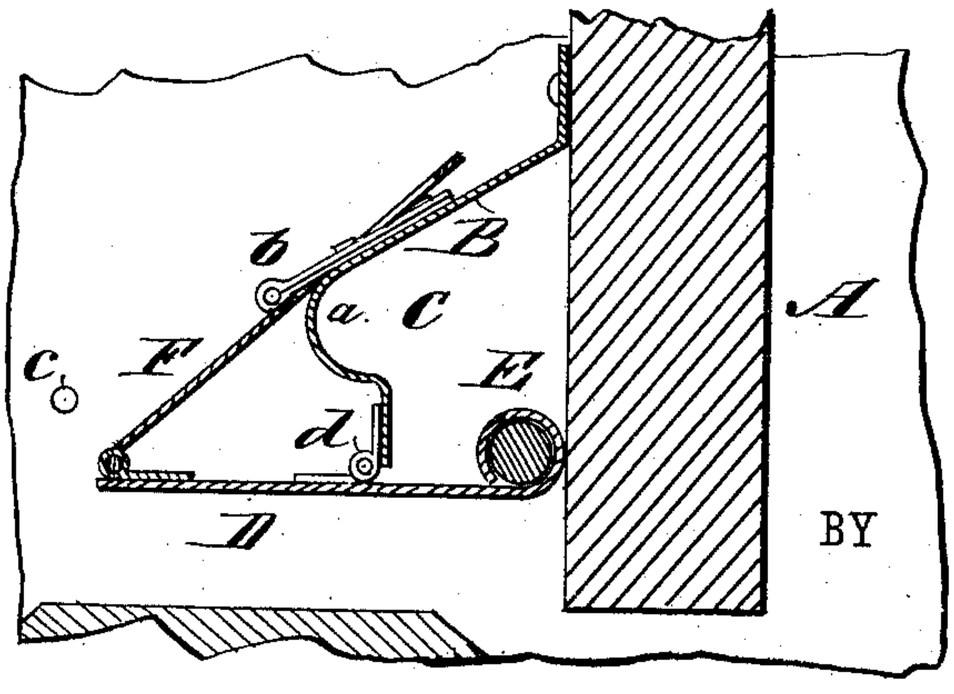


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

SAMUEL ADAM RANKIN, OF MULBERRY, MISSOURI.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 375,951, dated January 3, 1888.

Application filed August 27, 1887. Serial No. 248,032. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL ADAM RANKIN, of Mulberry, in the county of Bates and State of Missouri, have invented a new and Improved Weather-Strip, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation of my improved weather-strip. Fig. 2 is a vertical transverse section showing the door and weather-strip closed, and Fig. 3 is a vertical transverse section showing the weather-strip open.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a simple and efficient weather-strip which will be closed and in contact with the threshold only when the door is closed, thereby avoiding the friction of the weather-strip upon the floor or carpet.

My invention consists in an offset strip to be attached to the door, and provided with a semi-cylindrical recess for receiving the weighted edge of the weather-strip, and in the combination therewith of a weather-strip hinged to the lower edge of the offset strip, and provided with a counter-weight upon its inner edge adapted to be received in the semi-cylindrical recess of the offset strip; also, in the combination, with the weather-strip, of a slotted bar hinged to one end thereof and arranged to slide on the T-shaped projection on the offset strip; also, in a pin inserted in the door-jamb and arranged to engage the slotted bar, all as hereinafter more fully described.

To the door A is secured a strip, B, which is offset, forming a space, C. To the lower edge of the offset strip B is connected the weather-strip D by hinges *d*, attached to the center thereof and secured to the edge of the said offset strip B. The inner or upper edge of the strip D incloses a rod, E, which stiffens the strip, and also serves as a counter-weight for holding the weather-strip open when the door is open. In the strip B is formed a semi-cylindrical recess, *a*, for receiving the weighted inner edge of the strip D.

To the outer or lower edge of the strip D, near the end below the door-latch, is hinged a slotted bar, F, which extends upward and backward over the offset strip B, and slides upon the T-shaped guide *b*, secured to the offset strip B.

In the door-jamb, to which the door is latched, is inserted a pin, *c*, which engages the slotted bar F when the door is closed and forces the weighted strip D into contact with the threshold. When the door is opened, the bar F being released from the pin *c*, the counterweighted strip D takes a horizontal position, as shown in Fig. 3, and is thereby prevented from rubbing upon the floor or carpet.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with the strip B, of the strip D, hinged on its upper side, intermediate its longitudinal edges, to the lower edge of strip B and normally in a horizontal position, and the bar F, hinged at its lower end to the outer edge of the strip D, and having a sliding connection at its opposite end with the strip B, substantially as set forth.

2. The combination, with the offset strip B, provided with the semi-cylindrical recess *a*, of the strip D, hinged on its upper side between its longitudinal edges to the lower edge of strip B and provided on its inner edge with the counter-weight E, the slotted bar F, hinged to the outer edge of strip D, and the guide *b*, on the strip B and projecting through the slotted bar, substantially as set forth.

SAMUEL ADAM RANKIN.

Witnesses:
JOHN L. RANKIN,
J. C. MOSS.