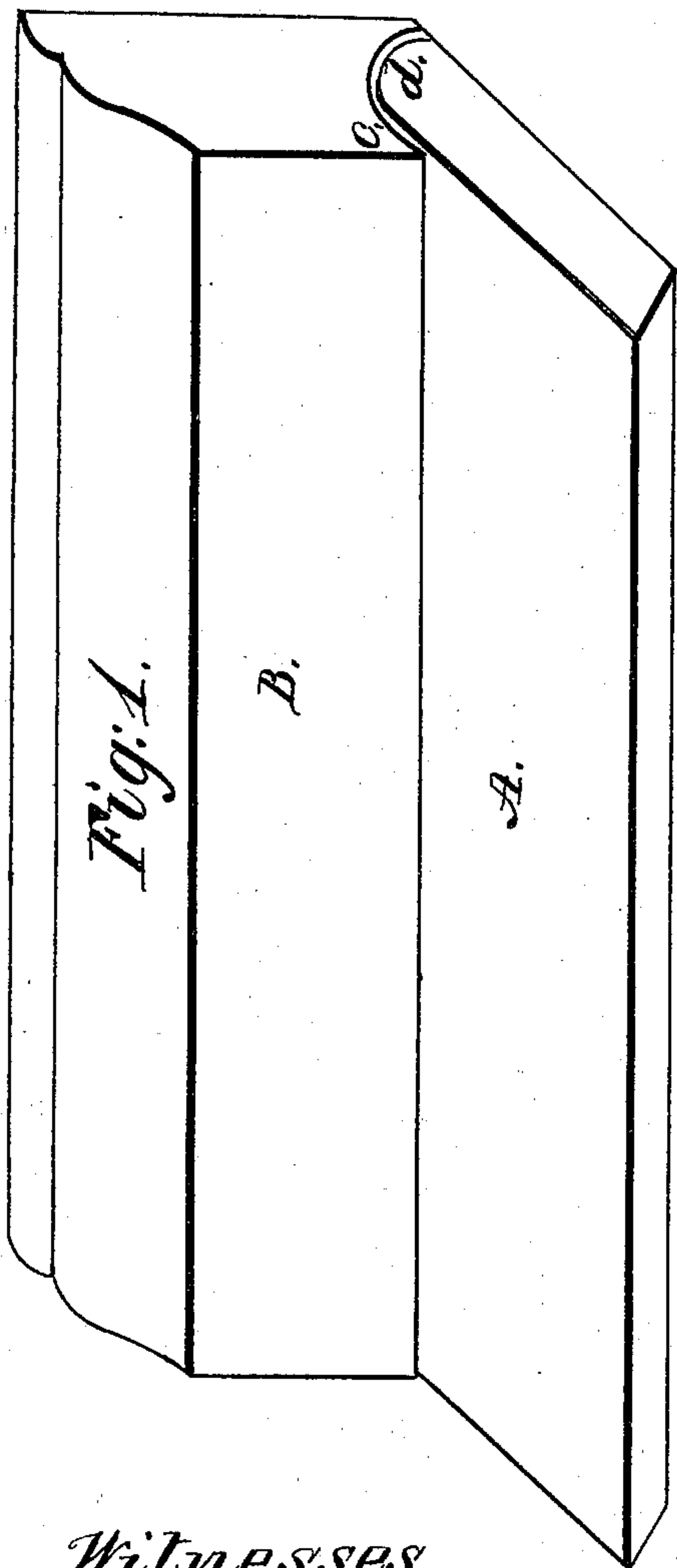


A. J. Harmon

Weather Strip.

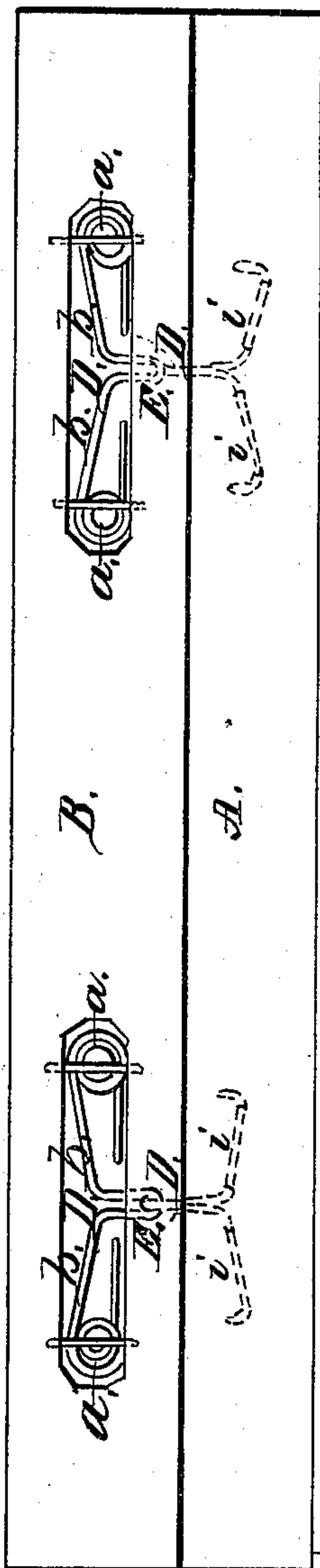
N^o 88,473.

Patented Mar. 30, 1869.



Witnesses,
M. S. G. Wilde.
C. C. Sanderson.

Fig. 2.



Inventor,
A. J. Harmon.
by *Carroll Wright,*
Att'y

United States Patent Office.

A. J. HARMON, OF CHARLESTOWN, MASSACHUSETTS, ASSIGNOR TO HIMSELF, WILLIAM H. HOWLAND, AND JOHN E. HASSELTINE.

Letters Patent No. 88,473, dated March 30, 1869.

IMPROVED WEATHER-STRIP.

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, A. J. HARMON, of Charlestown, in the county of Middlesex, and State of Massachusetts, have invented certain Improvements in Weather-Strips; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 represents my weather-strip in perspective, front view.

Figure 2 is a back view of my invention, showing spring-hinge.

The object of my invention is to produce a weather-strip, which is simple in construction, durable, not liable to get out of order, and one that can be manufactured at a low rate.

The nature of my invention consists in hanging the weather-strip, or apron to the main piece, by means of a spring-hinge, and the apron being allowed to turn in a groove in the stationary part.

In the drawings, A is an apron, or strip, hung, by spring-hinge D D, to board B. This board B is attached to the lower end of a door, so that apron A stands out, as shown in fig. 1, from the door, when it is opened, but when shut, it is brought down by any of the means used in similar cases, too well known to need description.

The peculiarities of this invention, and its novel features, are the spring-hinge D D and groove c.

The spring-hinge is constructed by wire, *b*, having coil *a*, extending to *e*, and being jointed with arms *i i*. The wire forming the coils *a a* and parts *b b*, is in one piece. The part of the spring-hinge having coils is attached to board B.

The action of this spring-hinge is double. It acts as a hinge on which turns the apron A, and as a spring to keep it in the position required.

The part *d* of apron A turns in groove *c* of board B easily, and without opening a space to the weather.

If any obstruction gets into groove *c*, the spring D allows the parts A and B to be pulled apart, to admit of the removal of the obstruction.

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

The spring-hinge D D, composed of coils *a a*, arms *b b*, joint *e*, and arms *i i*, constructed and applied to strips A B, substantially as described and specified.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

Witnesses:

A. J. HARMON.

CARROLL D. WRIGHT,
GEO. E. SANDERSON.