

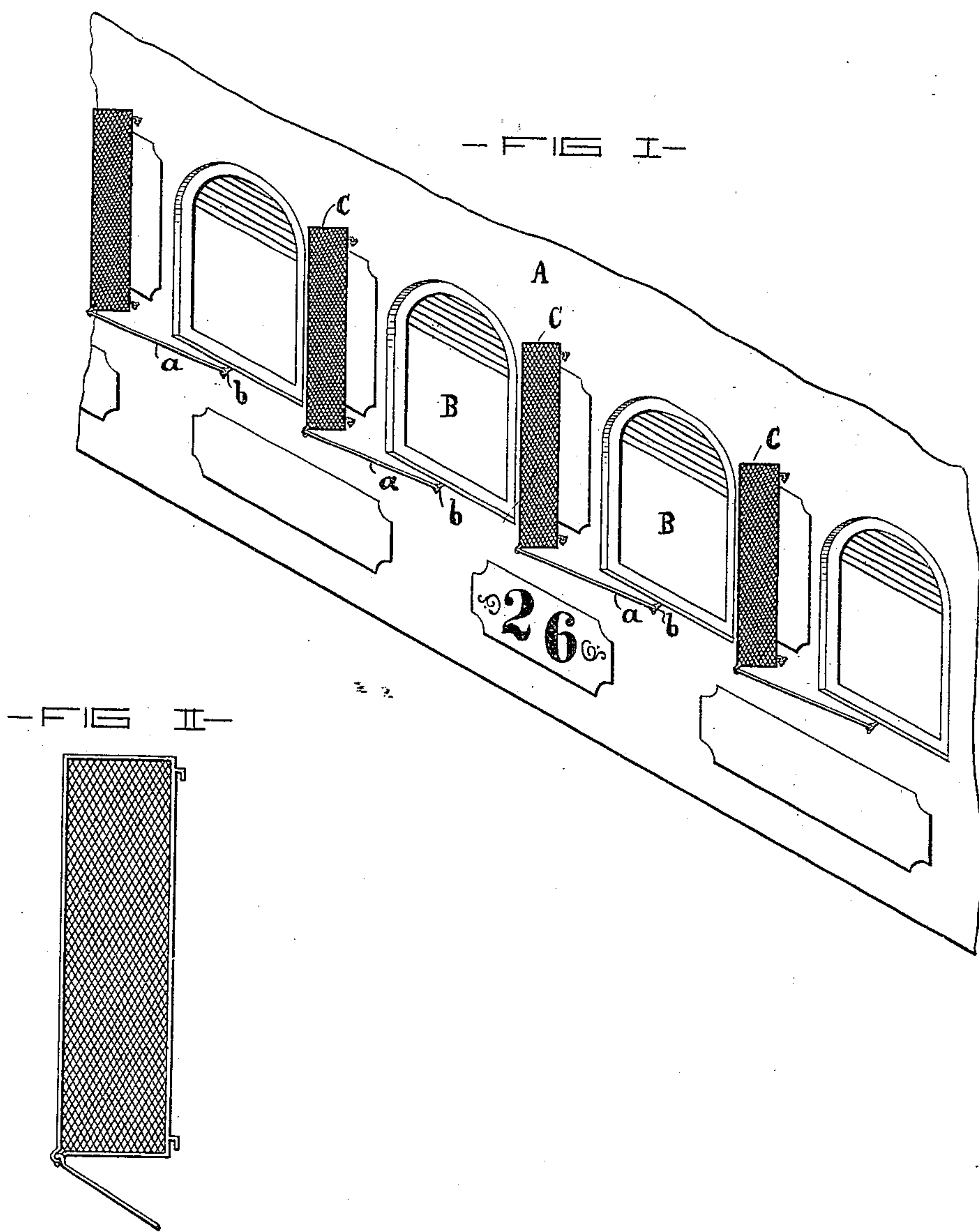
(No Model.)

F. W. LEVERING.

SPARK ARRESTER.

No. 270,445.

Patented Jan. 9, 1883.



- WITNESSES -

*Paul Fisher*  
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- INVENTOR -

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# UNITED STATES PATENT OFFICE.

FRANKLIN W. LEVERING, OF BALTIMORE, MARYLAND.

## SPARK-ARRESTER.

SPECIFICATION forming part of Letters Patent No. 270,445, dated January 9, 1883.

Application filed October 14, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, FRANKLIN W. LEVERING, of the city of Baltimore and State of Maryland, have invented certain Improvements in Spark-Arresters, of which the following is a specification.

This invention relates to a device to be applied to the outside of a passenger-car to intercept sparks, cinders, &c., and prevent the same entering the car; and it consists in a removable hinged screen, which is applied to the portion of the car-body between the windows.

In the further description of my invention which follows reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure I is a view in perspective of a part of a passenger-car provided with my improvement. Fig. II is an enlarged view of the invention.

Similar letters of reference indicate similar parts in both views.

A is the car-body, and B B are the windows. C is a screen, preferably of rectangular form, of wire-cloth surrounded by a wire frame. The screen C is connected to the car-body by means of hinges of such character as will admit of the screen being folded against the car-body

when not in use or when the windows are closed or entirely removed. When in use the screen is held as shown in Fig. I—that is to say, by means of a small brace-bar, *a*, the free end of which is hooked and united to an eye, *b*. In cars where the space between the windows is about double the width of the screen it can be placed in the center of the said space, so as to fold against the car-body without projecting in front of the glazed portion of the window; but if the space between the windows is narrow, consisting merely of a bar, the screen will have to be removed when not in use.

It will be understood that the screen, while intercepting sparks, cinders, &c., and preventing their entrance at the window, offers little resistance to the movement of the car, the air passing through the screen.

I claim as my invention—

In combination with a car-body, a hinged removable screen, and a brace-bar to sustain the said screen at practically a right angle with the exterior surface of the car-body, substantially as specified.

FRANKLIN W. LEVERING.

Witnesses:

WM. T. HOWARD,  
ED. J. DIGGS.