

D. Eberhart,
Spark Arrester,
No 80,615, Patented Aug. 4, 1868.

Fig. 1.

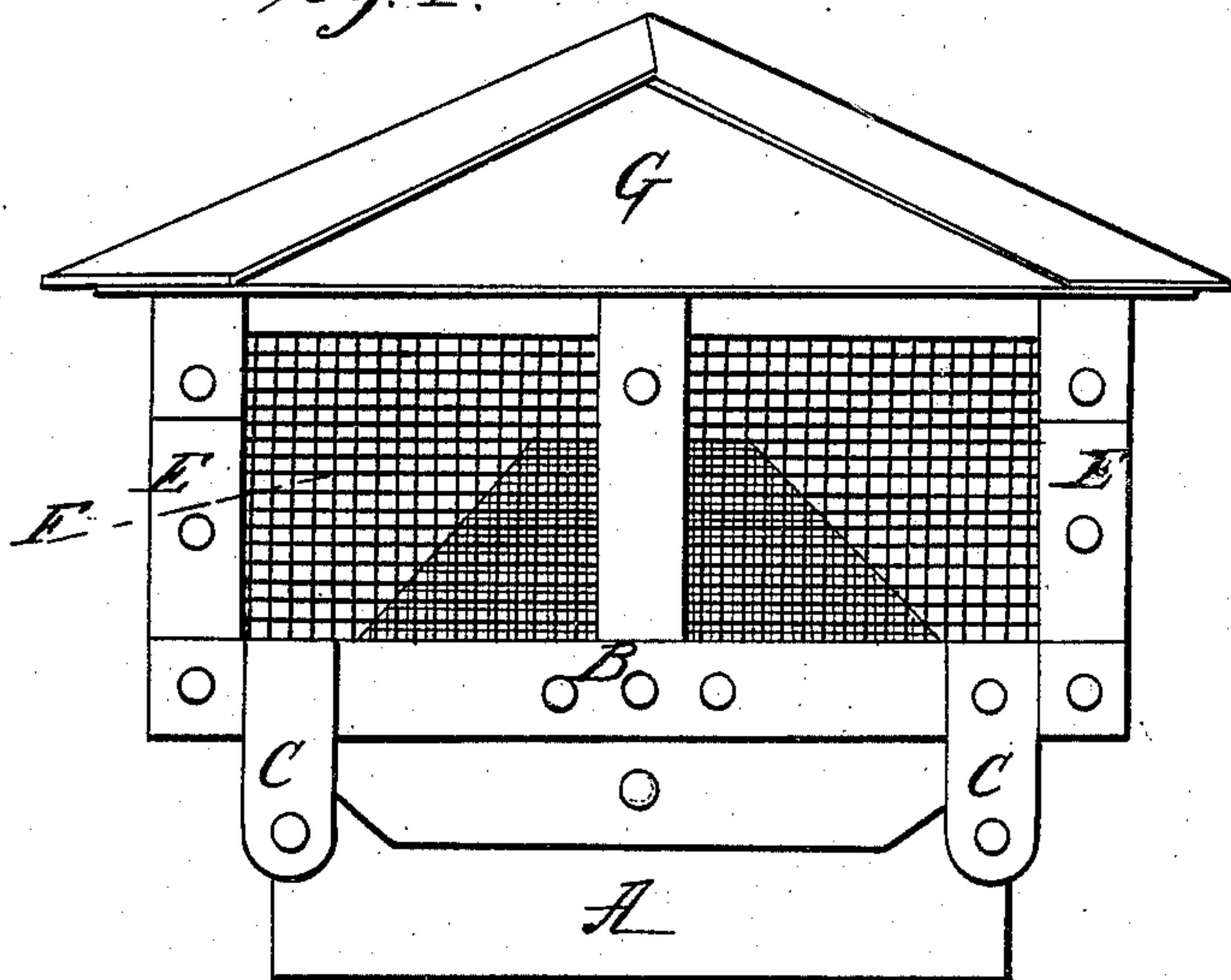
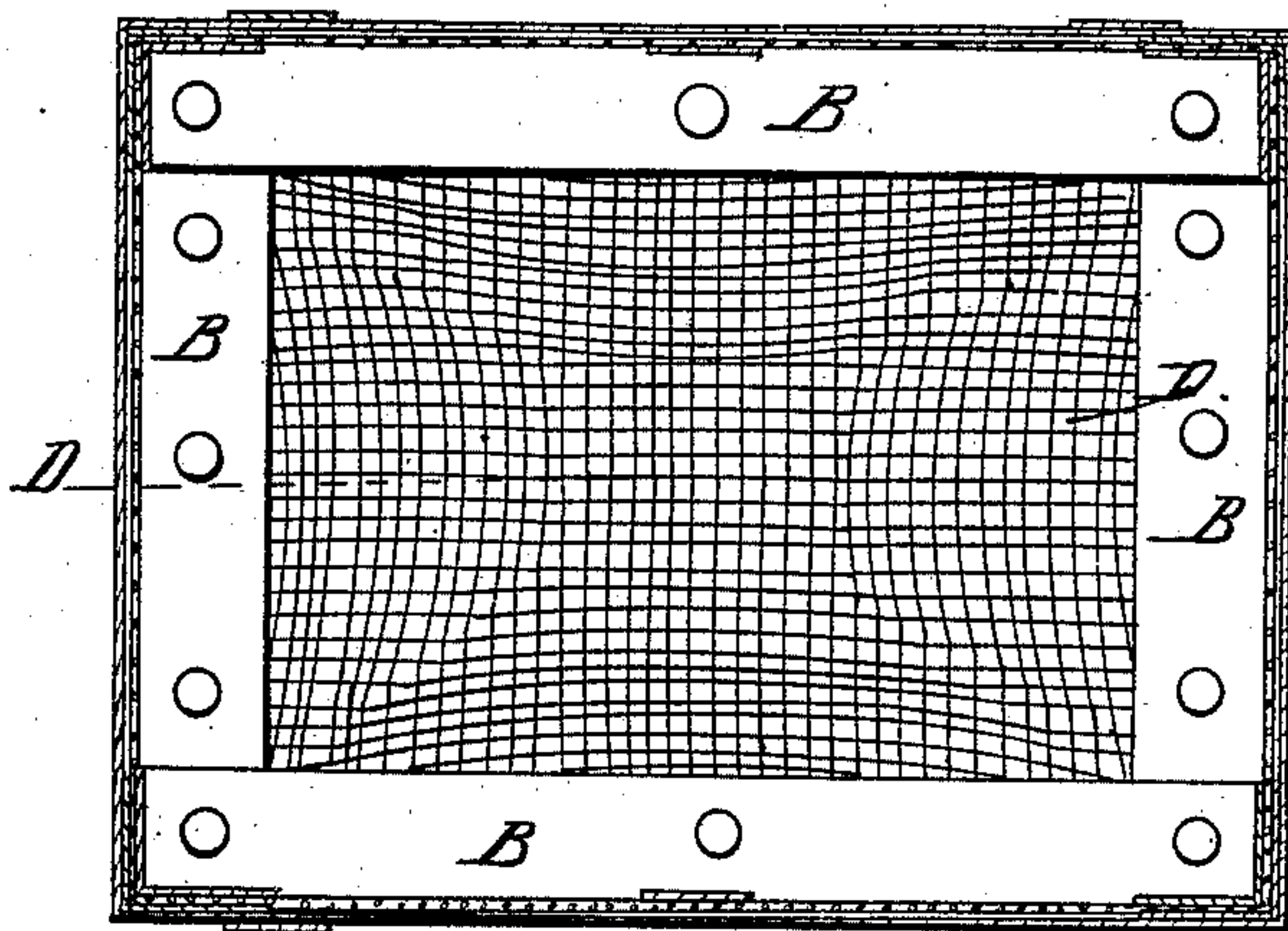


Fig. 2.



Witnesses:
Leopold Auer
A. W. Moore

Daniel Eberhart
per Alexander H. Mason

United States Patent Office.

DANIEL EBERHART, OF NEW PITTSBURG, OHIO.

Letters Patent No. 80,615, dated August 4, 1868.

IMPROVEMENT IN SPARK-ARRESTERS.

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, DANIEL EBERHART, of New Pittsburg, in the county of Wayne, and in the State of Ohio, have invented certain new and useful Improvements in Spark-Arresters; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction of a device to be placed on top of a chimney, stove-pipe, smoke-stack, or wherever smoke and sparks may come out, to prevent sparks from escaping, thereby lessening the danger of any accident by fire.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a side view, and

Figure 2 is a bottom view.

A represents a metal box, open at both top and bottom, and made to fit inside of the chimney to which the spark-arrester is to be attached.

From the upper edge of this box, a rim or offset, B, extends on all sides. This rim is the same width as the chimney, and there bent upward, as shown in fig. 1. The sides of the rim thus bent upward are provided with ears C C, extending downward, which are to be fastened on the outside of the chimney, thereby holding the spark-arrester in its place.

The inside spark-catcher D is secured to the inner side of the rim B, and is made of wire, extending upward and inward on all sides, joining together at the top.

At the corners of the rim B are upright posts E E, to which wire is also secured, in such a manner as to form an outside spark-catcher, F, the whole being covered by the roof G.

This spark-arrester may be made round to suit stove-pipes, or in any shape and size desired.

By this arrangement, sparks are prevented from escaping outside of the chimney, and the roof prevents it from being snowed up.

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

The within-described spark-arrester, when constructed and operating substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 27th day of May, 1868.

DANIEL EBERHART.

Witnesses:

JOSEPH H. DOWNING,

ROBT. L. McKEE.