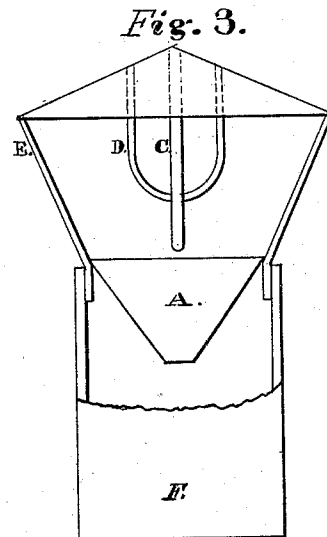
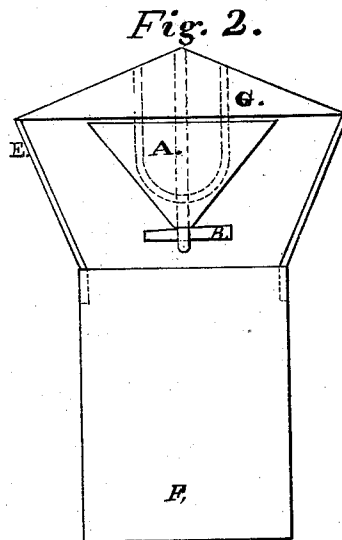
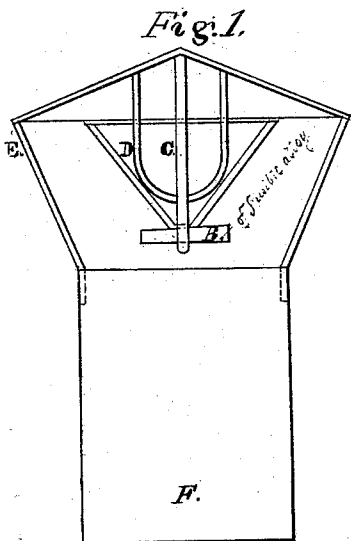


P. BAKER.
Automatic Damper.

No. 113,245.

Patented Apr. 4, 1871.



Witness
Robt. M. M.
Edw. and C. M. M.

Peter Baker
by W. Loughridge
attorney

United States Patent Office.

PETER BAKER, OF OAKLAND, MARYLAND.

Letters Patent No. 113,245, dated April 4, 1871.

IMPROVEMENT IN DAMPERS FOR CHIMNEYS.

The Schedule referred to in these Letters Patent and making part of the same.

I, PETER BAKER, of Oakland, in the county of Alleghany and State of Maryland, have invented an Improvement in Automatic Dampers for Chimneys, of which the following is a specification.

The nature of my invention consists in certain mode of suspending over chimneys, upon a pendent wire and fusible key, a conical damper that will fall into the mouth of the chimney when the heat from the burning soot shall melt the key or support.

Figure 1 shows the device in section.

Figure 2 is a side elevation.

Figure 3 shows the damper after it has fallen into the mouth of the chimney after a fire.

I construct a sheet-iron section, F, of circular or rectangular shape, to fit the chimney. On this section I fasten three or more strips to support the covering or roof.

From this I suspend a double wire, C; also a similar wire, D, to steady the damper A when it is suspended upon C.

The cone A is constructed of sheet-iron, large enough to prevent its falling down the chimney when

it drops, and has at the small apex an aperture through which the wire C is passed.

The conical damper A is suspended upon the wire C and held by the key B.

The key B is composed of a fusible alloy that will melt at any desired degree of heat. Therefore, when the chimney becomes heated by the burning soot, the key or fulcrum B melts, and the cone A falls into the mouth of the chimney, and prevents a renewal of oxygen to the fire and the escape of the fire from the chimney upon the roof of the house.

Having explained the nature and construction of my invention,

I claim—

The cone A, pendent wire C, and key B, when combined with the chimney, in the manner and for the purpose as set forth.

Baltimore, August 30, 1870.

PETER BAKER.

Witnesses:

JOHN A. DELANDER,
A. H. SMITHMAN.