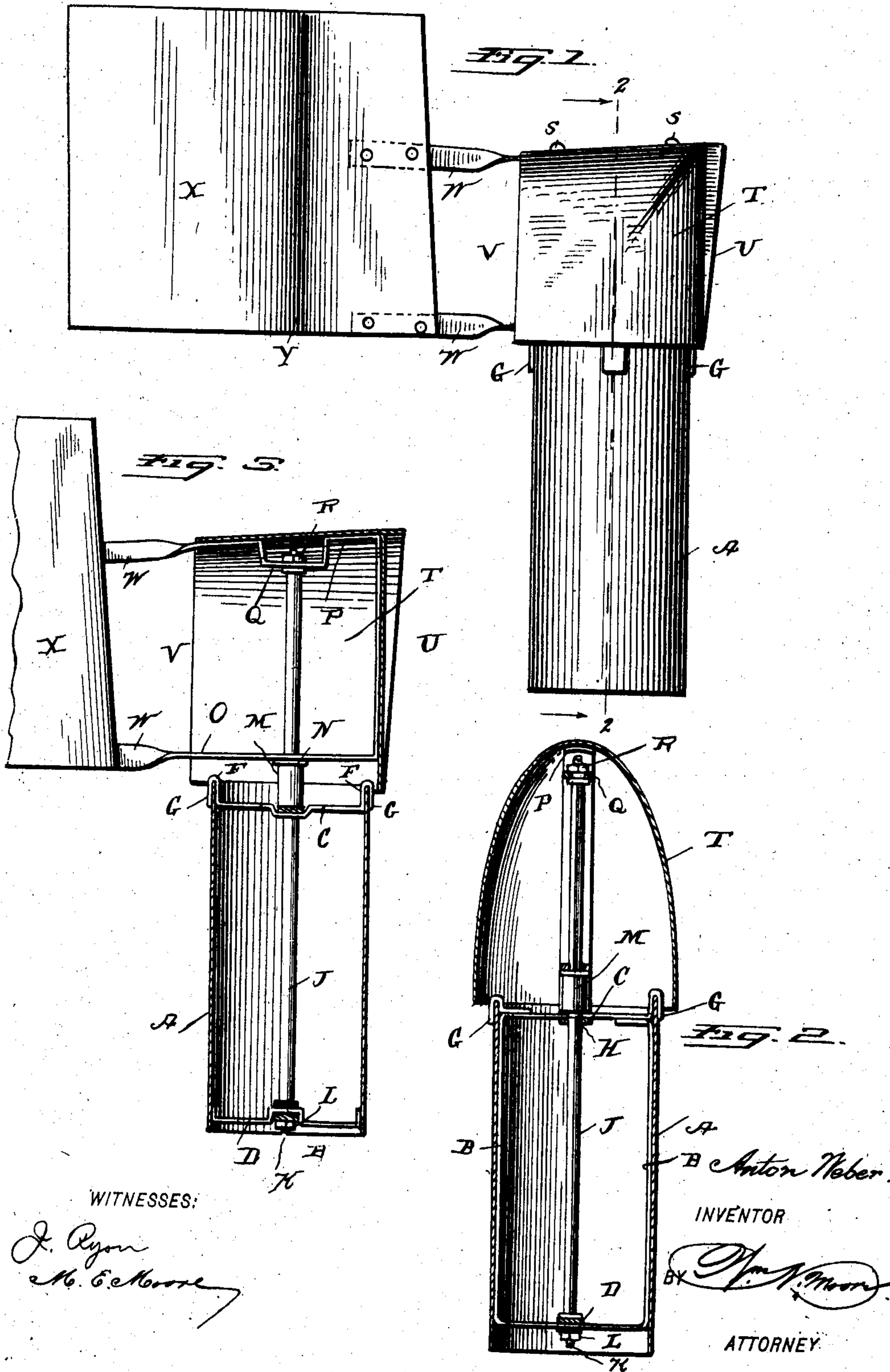


No. 834,092.

PATENTED OCT. 23, 1906.

A. WEBER.  
CHIMNEY COWL.  
APPLICATION FILED OCT. 11, 1905.





# UNITED STATES PATENT OFFICE.

ANTON WEBER, OF BUTTE, MONTANA.

## CHIMNEY-COWL.

No. 834,092.

Specification of Letters Patent.

Patented Oct. 23, 1906.

Application filed October 11, 1905. Serial No. 282,308.

*To all whom it may concern:*

Be it known that I, ANTON WEBER, a citizen of the United States, residing at Butte, in the county of Silverbow and State of Montana, have invented certain new and useful Improvements in Chimney-Cowls, of which the following is a specification.

My invention relates to improvements in chimney-cowls; and the object of my invention is the provision of a device of this sort which will protect the chimney from the elements—rain, snow, &c.—and which will provide for the creation of a draft in the chimney and will thereby prove a saving in the cost of the chimney, as with my device the chimney need only be of moderate length in order to draw well.

Another object of my invention is the provision of a chimney-cowl which will be strong and simple in construction and which can be so made as to be readily applied to any ordinary chimney.

With these objects in view my invention consists of a framework having journal-bearings and secured in a chimney, a rod secured in said bearings, a cowl pivotally mounted on said rod embracing the mouth of the chimney and open at one side for the exit of smoke, and a vane secured to the cowl and extending from the open side thereof.

My invention further consists in certain other novel features of construction and combination of parts, as herein set forth.

Figure 1 is a side elevation of my improved chimney-cowl as applied to an ordinary chimney. Fig. 2 is a vertical sectional view on the line 2 2 of Fig. 1, and Fig. 3 is a vertical sectional view taken at right angles to the plane of Fig. 2.

With reference to the drawings, the letter A designates an ordinary chimney or stove-pipe within which is adapted to fit snugly the rectangular frame B, having cross-arms C and D at the top and bottom, respectively. The spider thus formed at the top of the frame is provided with upturned ends F, which are bent back upon themselves and provide guiding-lugs G, adapted to embrace the edge of the chimney, and thereby hold the frame in position in the chimney. In the center of the spider a hole H is provided, which is adapted to receive a rod J, and this rod is formed on the lower end with the reduced threaded portion K, upon which the nut L is placed to secure the rod in the frame. Mounted upon the rod just above the upper

spider is a sleeve or collar M and above this a washer N, and upon the upper portion of the rod and bearing upon the washer a rectangular cowl-frame O is pivoted. The upper horizontal arm P of this frame is provided with a depressed portion Q, through which the upper threaded end of the rod passes, and a nut R is secured upon this end to secure the cowl-frame on the rod. Surrounding the cowl-frame and secured thereto by rivets S is the cowl or hood T, which is tapering or pointed at the front end U and flaring at the rear or open end V to allow of the ready exit of the smoke. The cowl entirely covers the top of the chimney, so as to preclude the possibility of smoke issuing from anywhere but from the open side. The cowl-frame is provided with extensions W, which project beyond the open side of the cowl and to which a vane X is secured. This vane is crimped, as at Y, and this construction lends steadiness to the action of the vane.

By forming the cowl with a tapered front end it offers less resistance to the wind, and as the vane always holds the cowl in the proper position to create a draft in the chimney it will be readily seen that my invention is valuable and practical.

I have shown my device as applied to an ordinary cylindrical chimney; but the same principle may equally as well be applied to an ordinary brick chimney by enlarging the guiding-lugs to suit and, if necessary, enlarging the cowl.

I claim—

1. A cowl comprising a rectangular frame adapted to be set in a chimney, bars secured at each end of the frame at right angles to form spiders, a vertical rod passing through said spiders, adjustable securing-nuts on the lower end of the rod, brackets carried by one of the spiders engaging the edge of the chimney, a spacing-sleeve on the rod resting on the upper spider, a frame pivoted to the rod and resting on said sleeve, nuts on the upper end of the rod for securing the frame thereon, a cowl carried by said frame overhanging the edges of the chimney and having the rear vertical side flaring open, and a crimped vane carried by rearward extensions of the cowl-frame.

2. A cowl comprising a rectangular frame adapted to be set in a chimney, bars secured at each end of the frame to form spiders, brackets secured to one of the spiders engaging the edge of the chimney, a vertical rod

passing through said spiders, securing-nuts  
on the lower end of the rod, a spacing-sleeve  
on the rod resting on the upper spider, a  
cowl-frame pivoted to said rod and resting  
5 on said sleeve, nuts on the upper end of the  
rod for securing the frame thereon, a cowl  
mounted on the frame overhanging the edges  
of the chimney having a rounded forward end

terminating in a point, and a vertical open  
flaring rear side. 10

In testimony whereof I affix my signature  
in presence of two witnesses.

ANTON WEBER.

Witnesses:

JOHN U. GROSSENBACHER,  
CHARLES SCHMIDT.