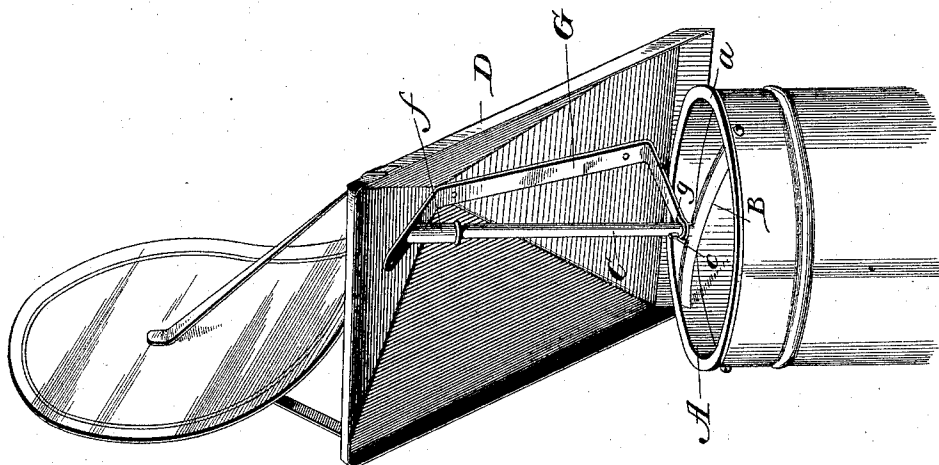
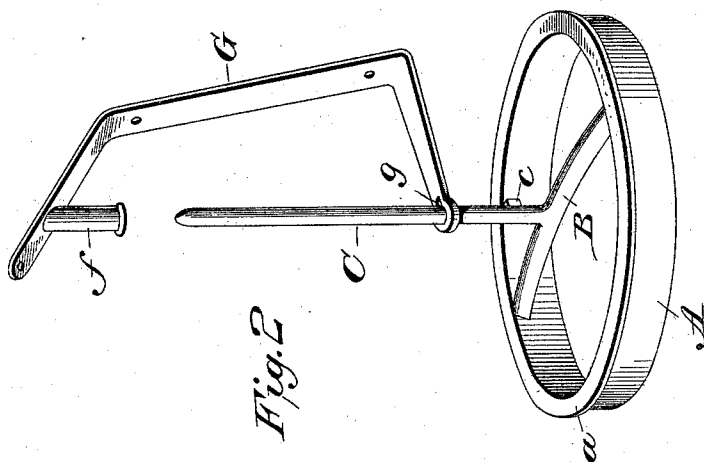


(No Model.)

G. W. & J. M. POWERS.
CHIMNEY TOP.

No. 474,689.

Patented May 10, 1892.



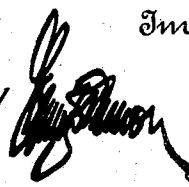
George W. Powers.
and
James M. Powers.

Inventors.

Witnesses

L. S. Elliott.

M. Johnson

by  Attorney

UNITED STATES PATENT OFFICE.

GEORGE W. POWERS AND JAMES M. POWERS, OF STREATOR, ILLINOIS.

CHIMNEY-TOP.

SPECIFICATION forming part of Letters Patent No. 474,689, dated May 10, 1892.

Application filed January 21, 1892. Serial No. 418,835. (No model.)

To all whom it may concern:

Be it known that we, GEORGE W. POWERS and JAMES M. POWERS, citizens of the United States of America, residing at Streator, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Chimney-Tops; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in rotary chimney-cowls.

The object of the invention is to provide a chimney-cowl of improved construction which can be readily attached to its support and when attached will be securely held in position, so that the cowl can turn upon the support and wear taken up automatically.

The invention consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims, the same being designed more particularly as an improvement upon Patent No. 320,815, dated June 23, 1885.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view showing our improvement applied. Fig. 2 is a detail perspective view with the cowl detached, showing the bracket attached to the cowl made in a single piece.

A designates an annular rim having a flange *a*, said rim entering the top of the chimney when placed in position, so that the flange will rest upon the top thereof. The rim is provided with an arched cross-bar B, from the center of which extends upward a rod C, having a conical upper end and near its lower end an offset *c*.

D designates the hood, which is provided with a vane, these parts being of substantially the same construction as that shown in the prior patent referred to. Slightly above the center portion of the hood is secured a depending socket F, having an inner conical

bearing. This socket may be attached directly to the inner side of the hood or to a bar G, secured to said hood. This bar has its lower end, which extends at right angles from the hood, apertured to provide a key-hole slot *g*, and when the cowl is placed upon the supporting-rod C this key-hole slot will permit the end of the bar G to pass below the lug *c*. It will be obvious that the arm and socket may be attached directly to the cowl instead of forming a portion of the bar G. With this construction the use of nuts or fastening devices is obviated, and the aperture in the arm is of substantially the same diameter as the rod to prevent any play of the parts. It will also be observed that the whole weight of the cowl rests upon the conical bearing and will therefore turn readily and easily.

Having thus described our invention, we claim—

1. The combination, in a rotary chimney-cowl, of a stationary spindle having an outwardly-projecting lug *c* near the lower end thereof, a cowl having a socket and an arm, the end of the arm on a line with the socket, having a key-hole aperture, through which the lug C is adapted to pass to hold the spindle and cowl in positive engagement with each other, substantially as shown, and for the purpose set forth.

2. The combination, in a chimney-cowl, of a cowl having a socket with an inner conical bearing and an arm with a key-hole aperture on a line with said socket, an arched bar carried by a rim and provided with a rod, which extends upward and is provided with a conical upper end and an outwardly-projecting lug near its lower end, said lug being adapted to pass through the key-hole slot or aperture in the arm, substantially as shown, and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE W. POWERS.
JAMES M. POWERS.

Witnesses.

W. H. RYON,
GEO. N. TAYLOR.