

No. 620,472.

Patented Feb. 28, 1899.

E. MARTIN.  
CHIMNEY COWL.

(Application filed Sept. 22, 1898.)

(No Model.)

Fig. 1.

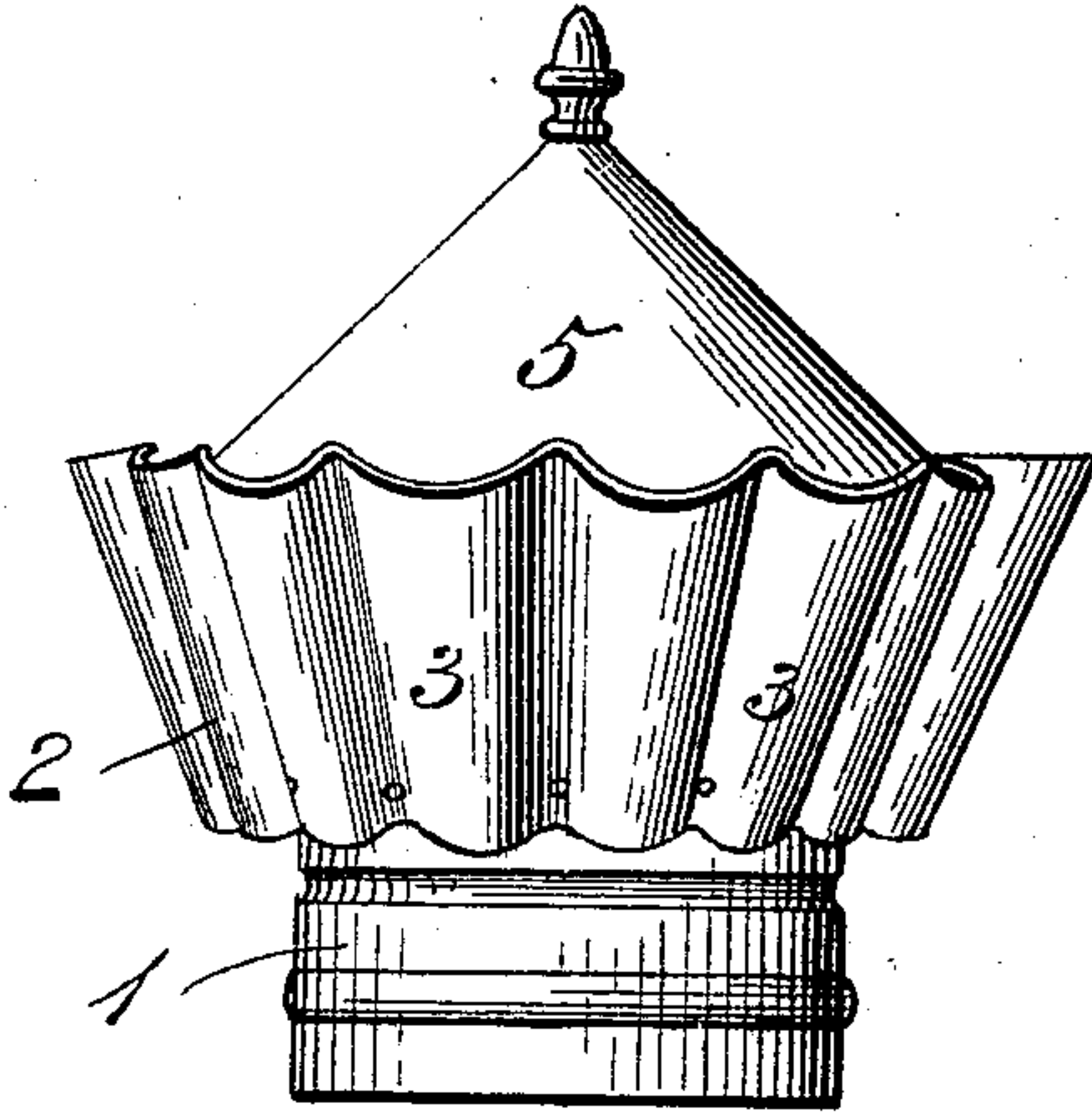


Fig. 3.

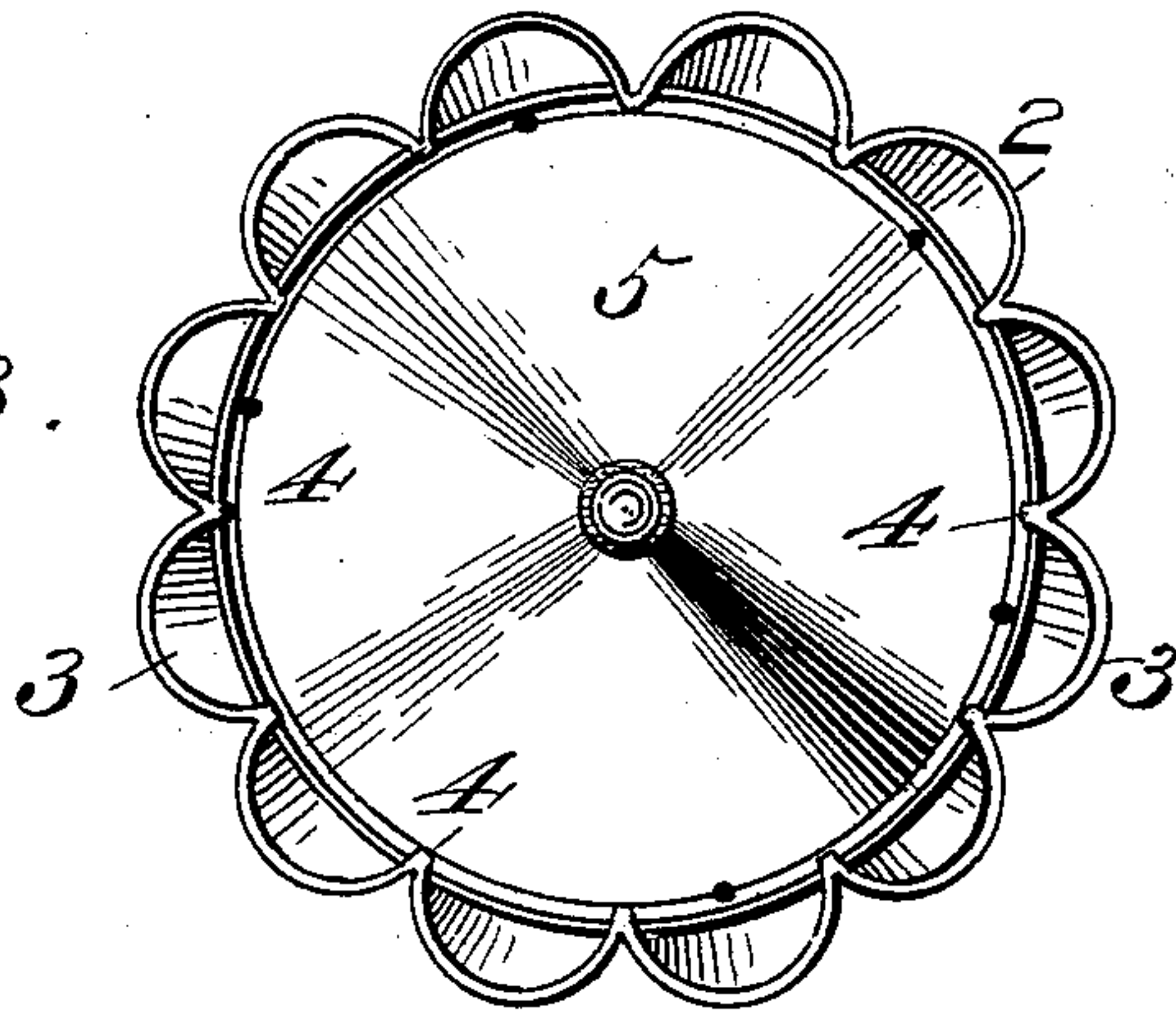
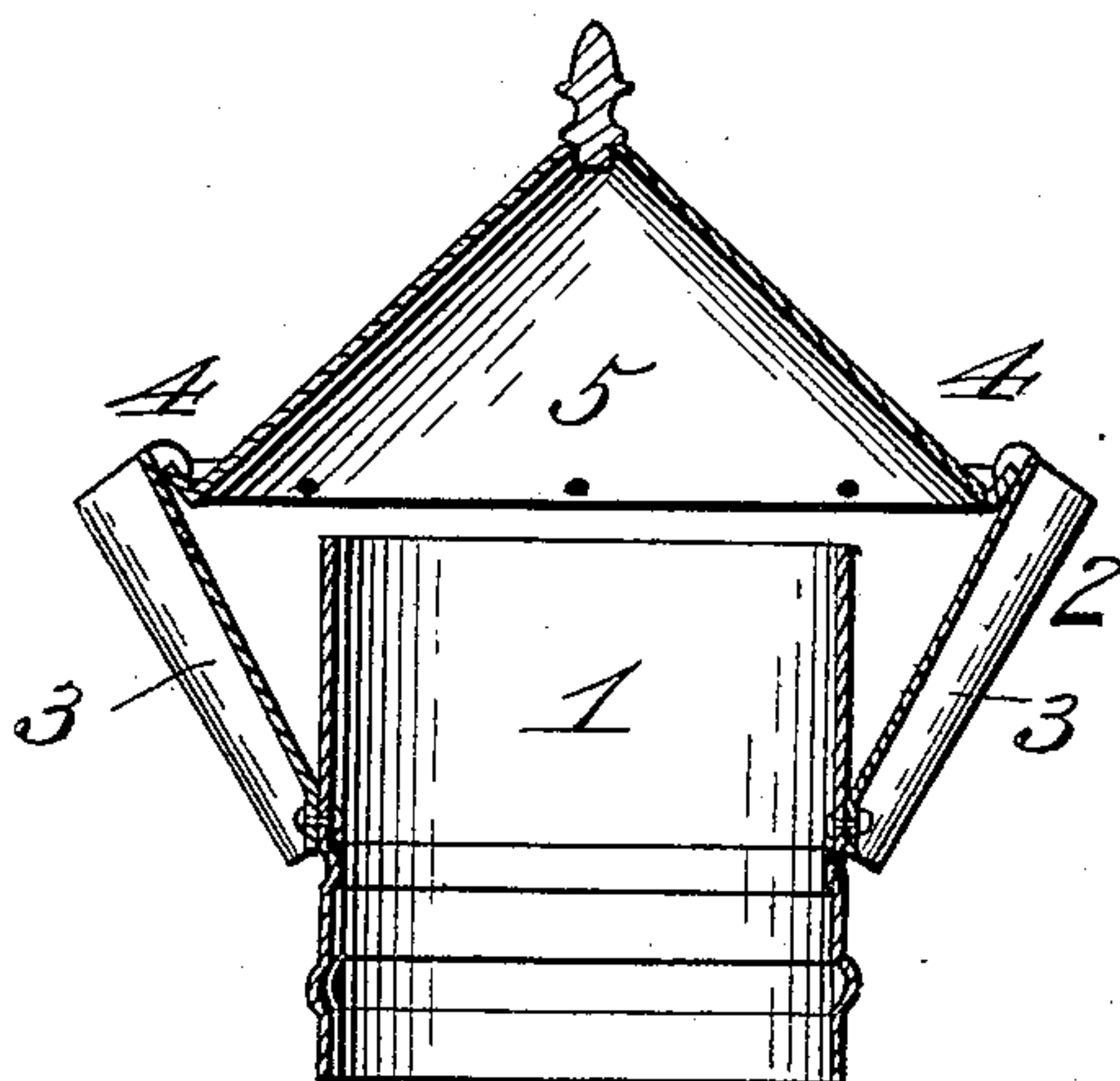
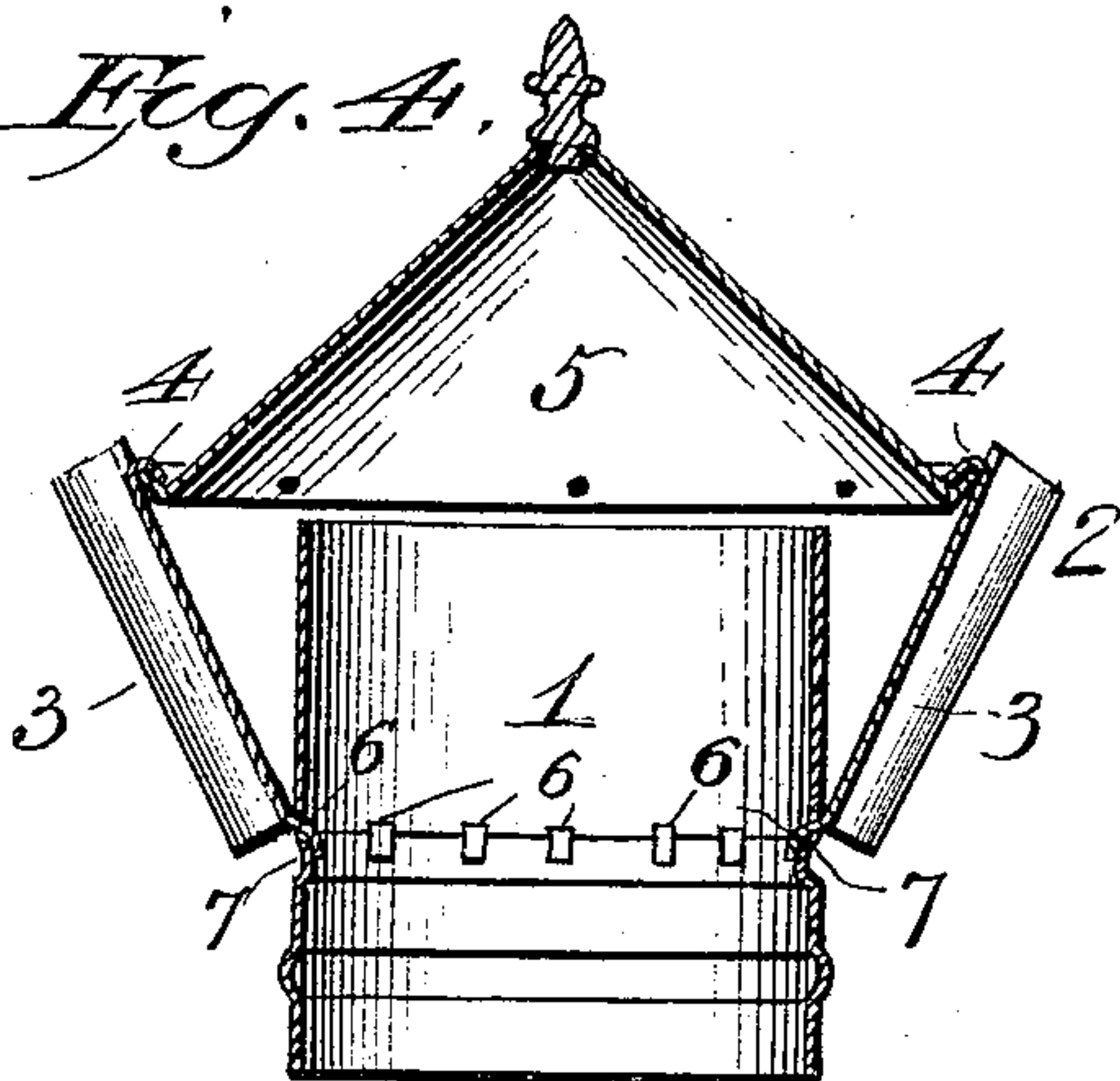


Fig. 2.

Fig. 4.



Witnesses:  
Frank L. Orvand.  
J. L. Coombs

Inventor  
Edmund Martin,  
by Louis Jagger & Co.,  
Attorneys.



# UNITED STATES PATENT OFFICE.

EDMOND MARTIN, OF POTSDAM, NEW YORK.

## CHIMNEY-COWL.

SPECIFICATION forming part of Letters Patent No. 620,472, dated February 28, 1899.

Application filed September 22, 1898. Serial No. 691,574. (No model.)

*To all whom it may concern:*

Be it known that I, EDMOND MARTIN, a citizen of the United States, residing at Potsdam, in the county of St. Lawrence and State of New York, have invented new and useful Improvements in Chimney-Cowls, in which the following is a specification.

My invention relates to cowls for chimneys and smoke-stacks to prevent water from getting into the chimney or stack and also to prevent wind from interfering with the draft.

The object of the invention is to provide an improved construction of the same which shall possess superior advantages with respect to simplicity and economy in manufacture and efficiency in use.

The invention consists, essentially, in a pipe adapted to be connected with any ordinary chimney or smoke-stack, a cone at the upper end thereof, with a space between it and said pipe, said cone being of a larger diameter than the pipe, so that its edge will project beyond the latter, in combination with a tapering corrugated plate, the lower end of which is secured to the pipe, while the upper end is connected with the cone and forms a support therefor, as hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a chimney-cowl constructed in accordance with my invention. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a plan view. Fig. 4 is a longitudinal section of a modification.

In the said drawings the reference-numeral 1 designates a pipe adapted to be secured to a chimney or smoke-stack of any ordinary or suitable construction. Secured to this pipe is a tapering plate 2, formed with a number of curved corrugations 3, extending from the upper to the lower end. This plate extends up above said pipe; and between said corrugations are tongues 4, integral with the plate. Located above said pipe is a cone 5 of a greater diameter than the pipe and having its edge turned upwardly, forming a peripheral flange 6, with which the tongues 4 engage. It will be seen that the edge of the cone projects be-

yond the said pipe and that there is a space between the cone and pipe and between the cone and tapering corrugated plate.

The tongues 4 are bent over the flange of the cone and hold the latter in place without the aid of solder or other fastening means.

In practice the products of combustion from the pipe will be deflected by the cone to the corrugations in the tapering plate and will escape at the upper ends thereof.

In the modification shown in Fig. 4 the lower ends of the corrugated plate are formed with integral tongues 6, which pass through holes 7 in the pipe and are then bent or clenched, so as to hold the plate in place.

The device is very simple, consisting of but three parts, can be cheaply and economically manufactured, will effectually exclude water from the pipe, and the draft will not be interfered with by the wind, but, on the contrary, the greater the wind the better the draft.

Having thus fully described my invention, what I claim is—

1. In a chimney-cowl, the combination with the pipe, the tapering corrugated plate having its lower edge secured thereto and its upper edge extending up above said pipe and the tongues integral therewith, of the cone of greater diameter than said pipe, formed with a peripheral flange with which said tongues engage, substantially as described.

2. In a chimney-cowl, the combination with the pipe, the tapering corrugated plate provided with tongues at the lower edge passing through holes in the pipe and with tongues at the upper edges of the cone of greater diameter than the pipe formed with a peripheral flange with which the tongues at the upper edge of the said plate engage, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

EDMOND MARTIN.

Witnesses:

LUTHER E. WADLEIGH,  
CAROL E. MARTIN.