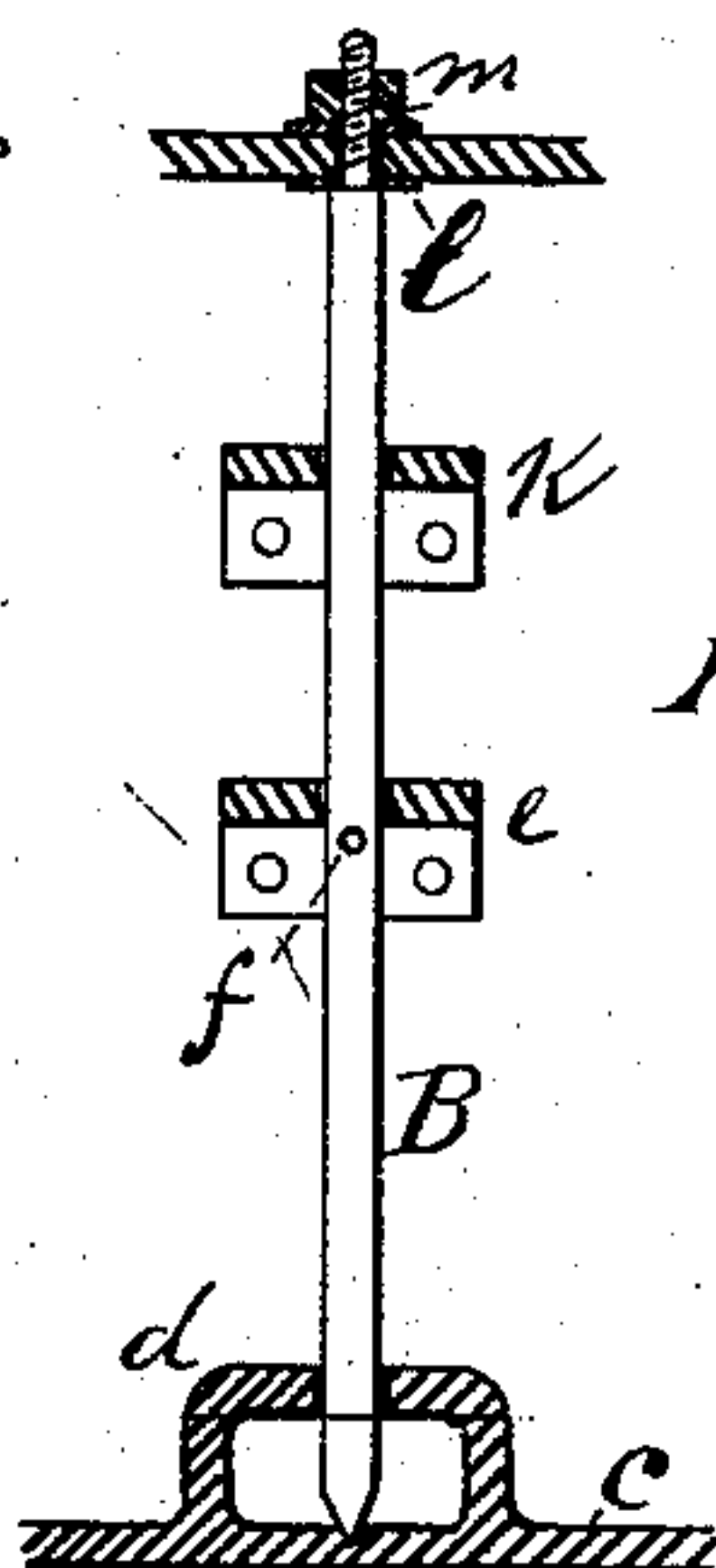
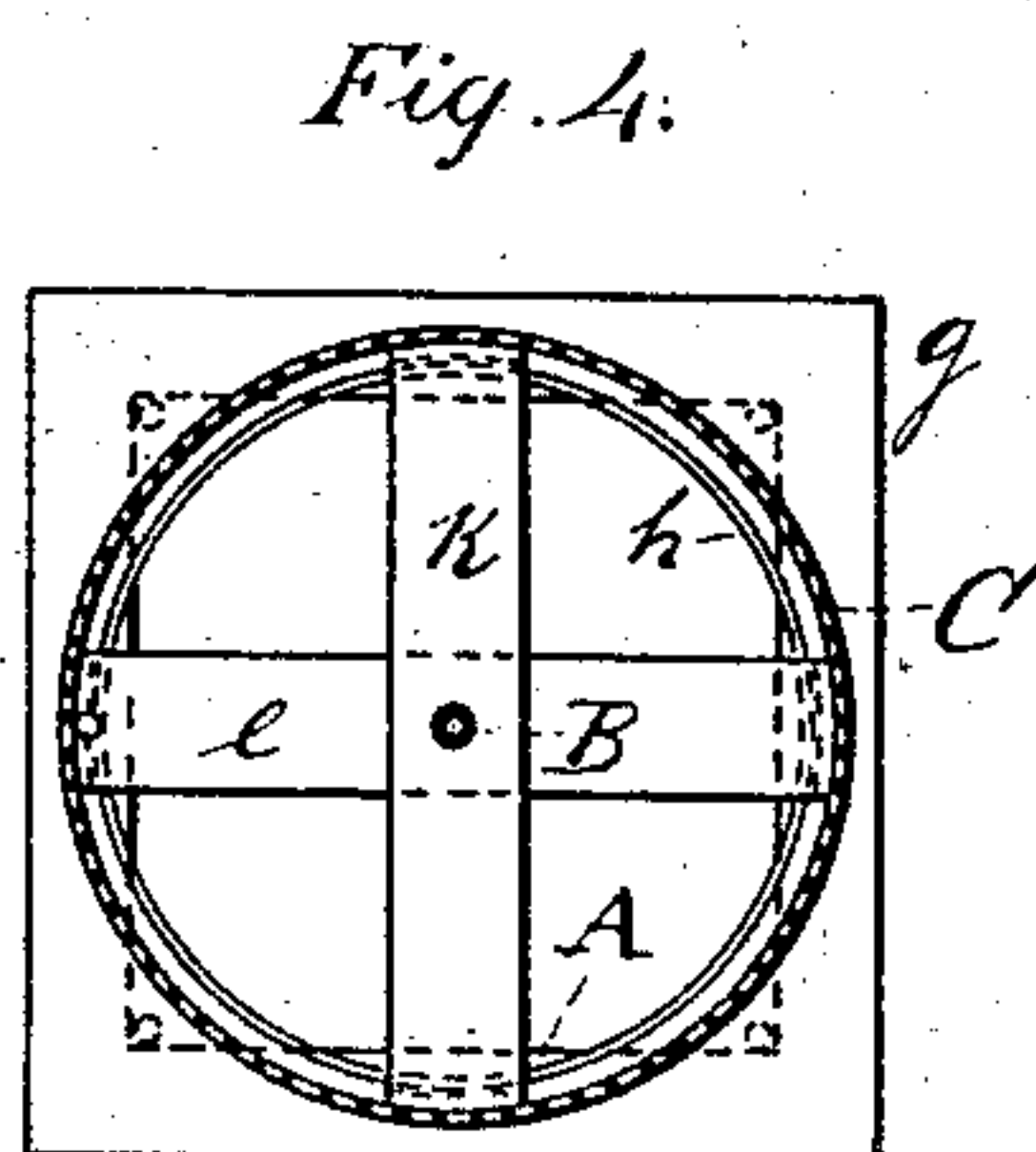
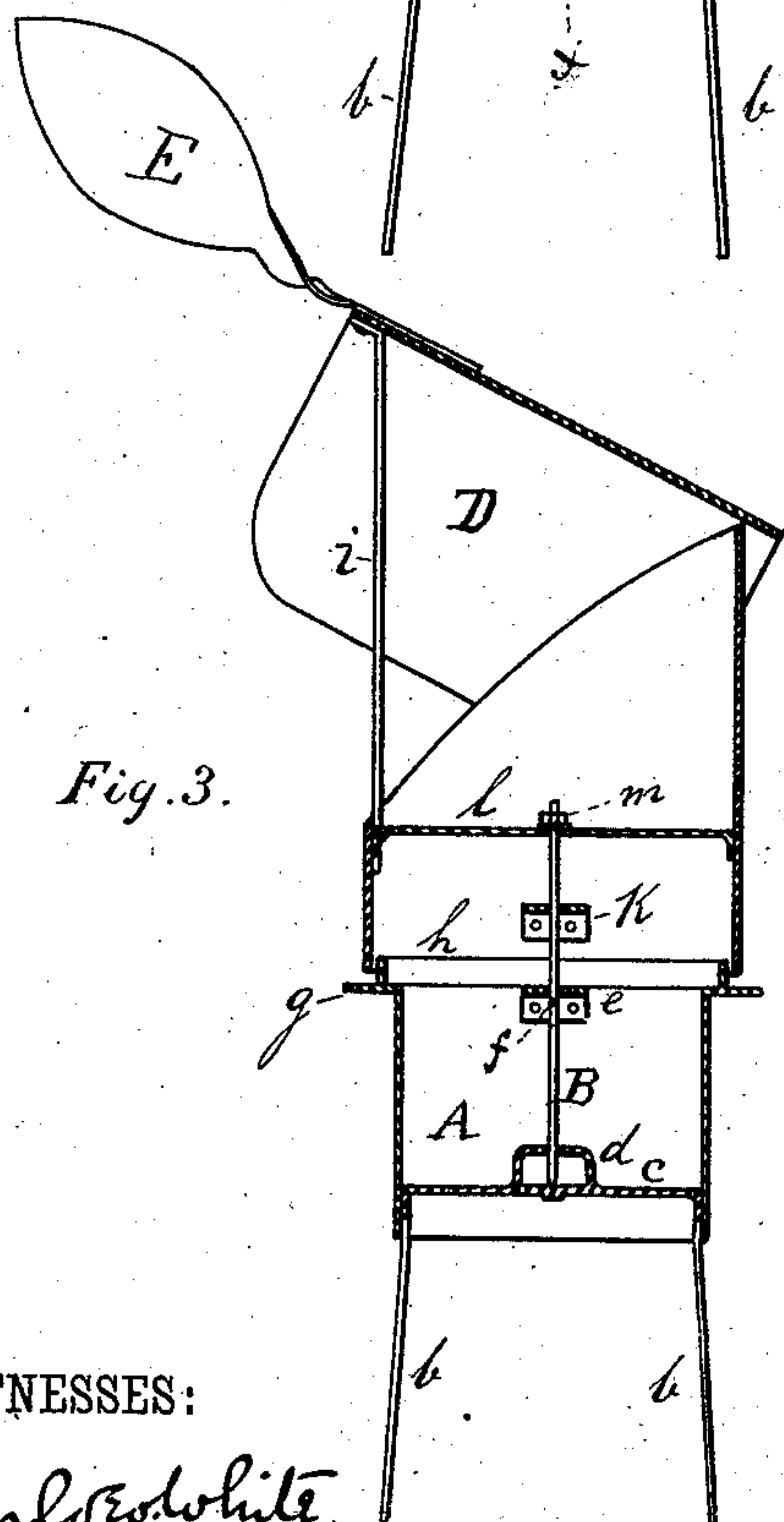
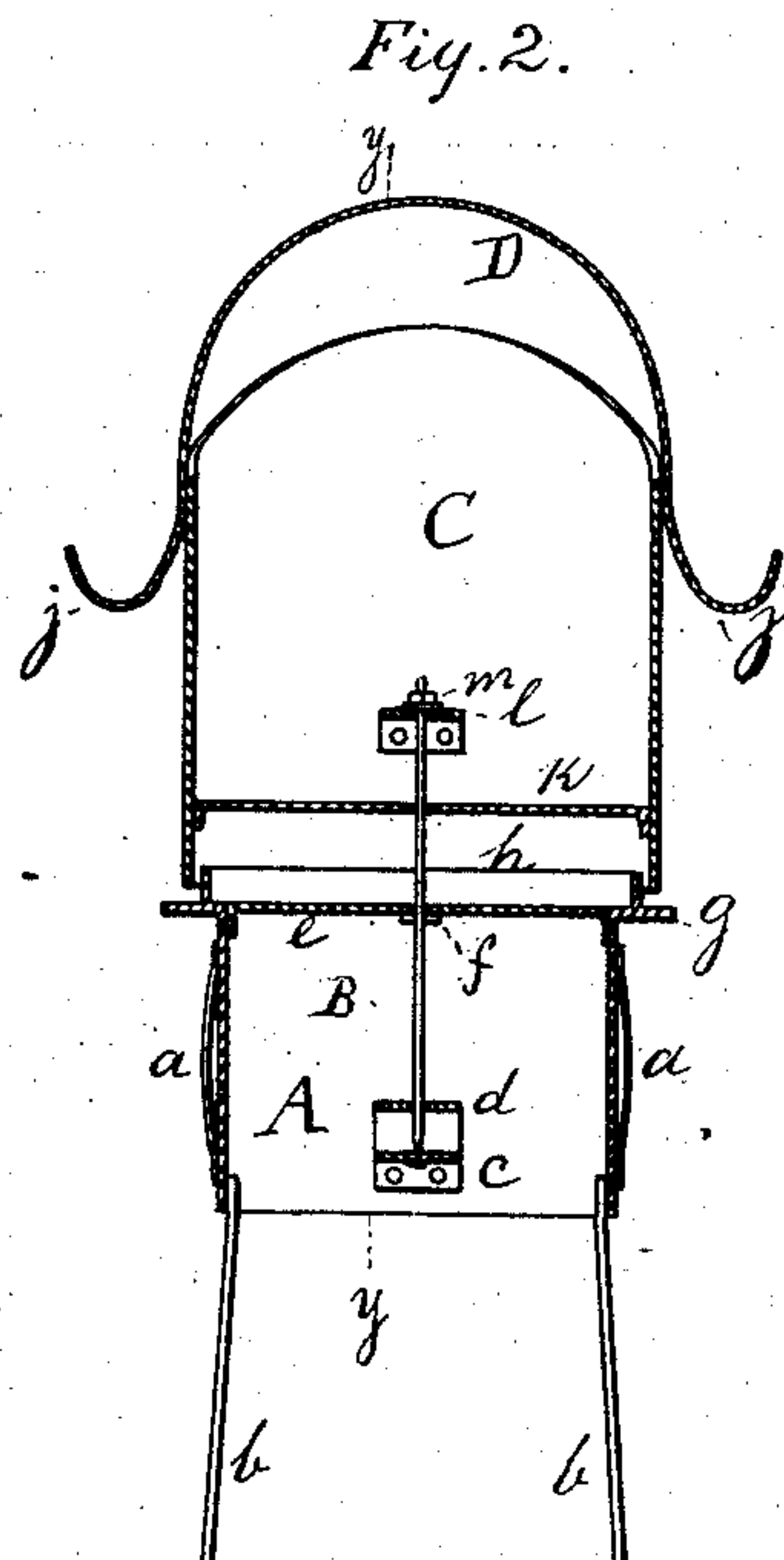
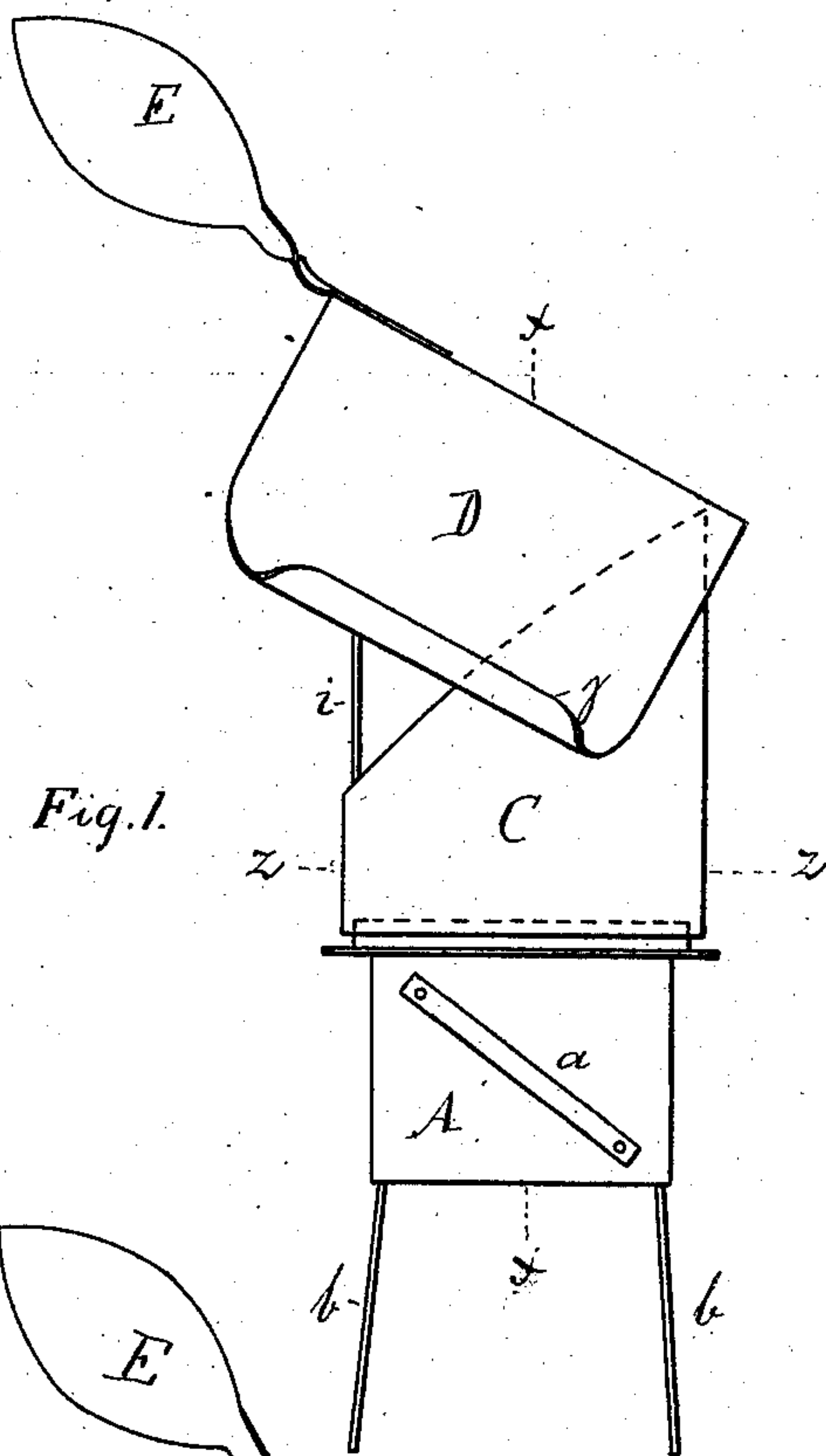


(No Model.)

N. PETERSEN.  
CHIMNEY TOP.

No. 292,505.

Patented Jan. 29, 1884.



WITNESSES:

Adam J. White,  
Mr. J. Clayton

INVENTOR

Nicolai Petersen

BY

Wm. B. Lotz

ATTORNEY



# UNITED STATES PATENT OFFICE.

NICOLAI PETERSEN, OF CHICAGO, ILLINOIS.

## CHIMNEY-TOP.

SPECIFICATION forming part of Letters Patent No. 292,505, dated January 29, 1884.

Application filed July 27, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, NICOLAI PETERSEN, a subject of the King of Denmark, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Chimney-Tops, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in chimney-tops, and more especially to that class of such devices that are constructed so as to revolve with each change in the wind, and thereby prevent any sudden current of air entering the chimney.

The object of the invention is to construct a top of the character described, which will be inexpensive of first cost, simple in construction, and in which the revolving portion will be so arranged that the slightest current of air will operate it.

To the accomplishment of the above the invention consists of the novel construction and arrangement of certain of the parts employed, and in certain novel combinations of such parts, as will be fully described and claimed.

Reference will be made to the accompanying drawings, which form part of this specification, and in which—

Figure 1 is a side elevation of my top complete; Fig. 2, a section on line *x x* of Fig. 1; Fig. 3, a section on line *y y* of Fig. 2; Fig. 4, a section on line *z z* of Fig. 1, and Fig. 5 a view in detail of certain parts.

Like letters refer to corresponding parts in each of the several views.

A represents a frame intended to fit the interior of a chimney. For that purpose it may be made of any desired shape and of any suitable size. In the drawings I have shown it rectangular—the shape of an ordinary chimney. In the construction of this frame I prefer to use tin, though other material might be employed. When tin is used, the frame is formed of a single strip bent to the desired form, and having its ends secured together by solder or otherwise. To the exterior of this frame, and on diametrically-opposite sides, are secured loops *a a*, which are secured thereto in any desirable manner. These loops are adapted to fit over suitable hooks placed upon

the interior of the chimney, and serve to hold the frame securely in place.

Secured to each of the lower corners of frame A is a strip of metal, *b*, which strips hang down a short distance below said frame, and, acting as spring-arms, serve as additional means for preventing the frame A from being torn from the chimney during heavy storms.

Secured in any suitable manner to the interior of frame A, and at a point near the lower edge of the same, is a strip, *c*, which is preferably bent slightly at each end, in order that it may be the more readily secured to said frame, and is provided at or about its center with a raised portion, *d*, which forms a seat and bearing-point for a rod, B, to be referred to. Secured to the interior of frame A, and at a point near the upper edge of the same, is a second strip, *e*, similar in construction to the one *c*, before referred to, and secured to said frame in the same manner, but arranged so as to cross said strip *c*. At its center this strip *e* is provided with an opening, which is thus brought directly over the raised portion *d* of strip *c*, and through which the rod B is passed, as shown. At a point directly below strip *e* the rod B is provided with a pin, *f*, which prevents said rod from being withdrawn. On its upper edge the frame A is bent so as to form a flange, *g*, which rests upon the top of the chimney when said frame is in position, and upon which is secured a ring, *h*, made of tin or other suitable material. This ring may be secured to frame A in any desired manner.

The revolving portion of the device consists of a short pipe, C, cut away at its front, and a cover, D, secured to said pipe in any desired manner. Cover D and pipe C are connected at their front by a wire, *i*, which serves to support said cover. This cover is provided on its top with a wind-vane, E, and has its side edges curved to form gutters *j*, for carrying off rain. Pipe C is of such a circumference that it will fit over and revolve about ring *h*, with which frame A is provided, and said pipe has secured to its interior cross-strips *k* and *l*, similar in construction to strips *c* and *e*, described as being secured to the interior of frame A. Strips *k* and *l* are situated one above the other, and are provided at their

centers each with an opening, through which rod B is passed, said openings being situated in a direct vertical line with the openings in strips *c* and *c*.

5 As shown in Fig. 5, rod B is made square on its upper end, and is at that point screw-threaded and provided with a nut, *m*, which, together with pin *f*, serves to hold the parts together, said pin *f* being situated at a point  
10 on rod B that will serve to keep the lower edge of pipe C slightly elevated above the flange *g* of frame A.

Having described my invention, what I claim as new therein, and that for which I desire to  
15 secure Letters Patent, is—

1. The chimney-cowl frame A, provided with loops *a* and depending spring-arms *b*, substantially as described and shown.

2. The chimney-cowl frame A, provided  
20 with loops *a* and depending spring-arms *b*,

in combination with revolving pipe C, carrying cover D, as described and shown.

3. The chimney-cowl frame A, provided with loops *a* and depending spring-arms *b*, and having strips *c c* and ring *h*, in combination  
25 with pipe C, having cover D and strips *k l*, the two held together by rod B, as described and shown.

4. The rod B, screw-threaded on its upper end, and provided with pin *f* and nut *m*, in  
30 combination with frame A, provided with strips *c c* and ring *h*, and pipe C, provided with strips *k l*, as and for the purpose set forth.

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

NICOLAI PETERSEN.

Witnesses:

M. J. CLAGETT,  
LOUIS NOLTING.