

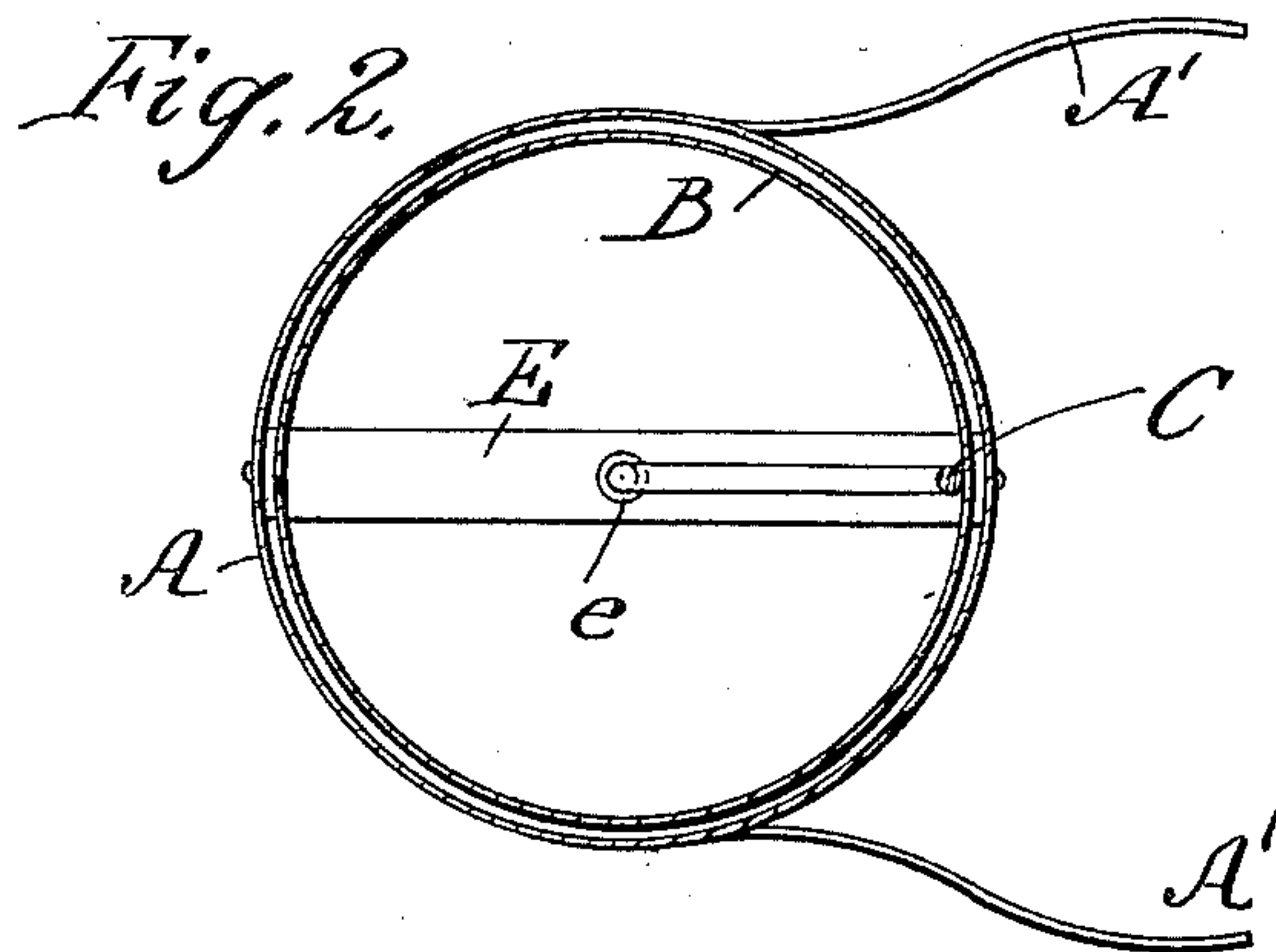
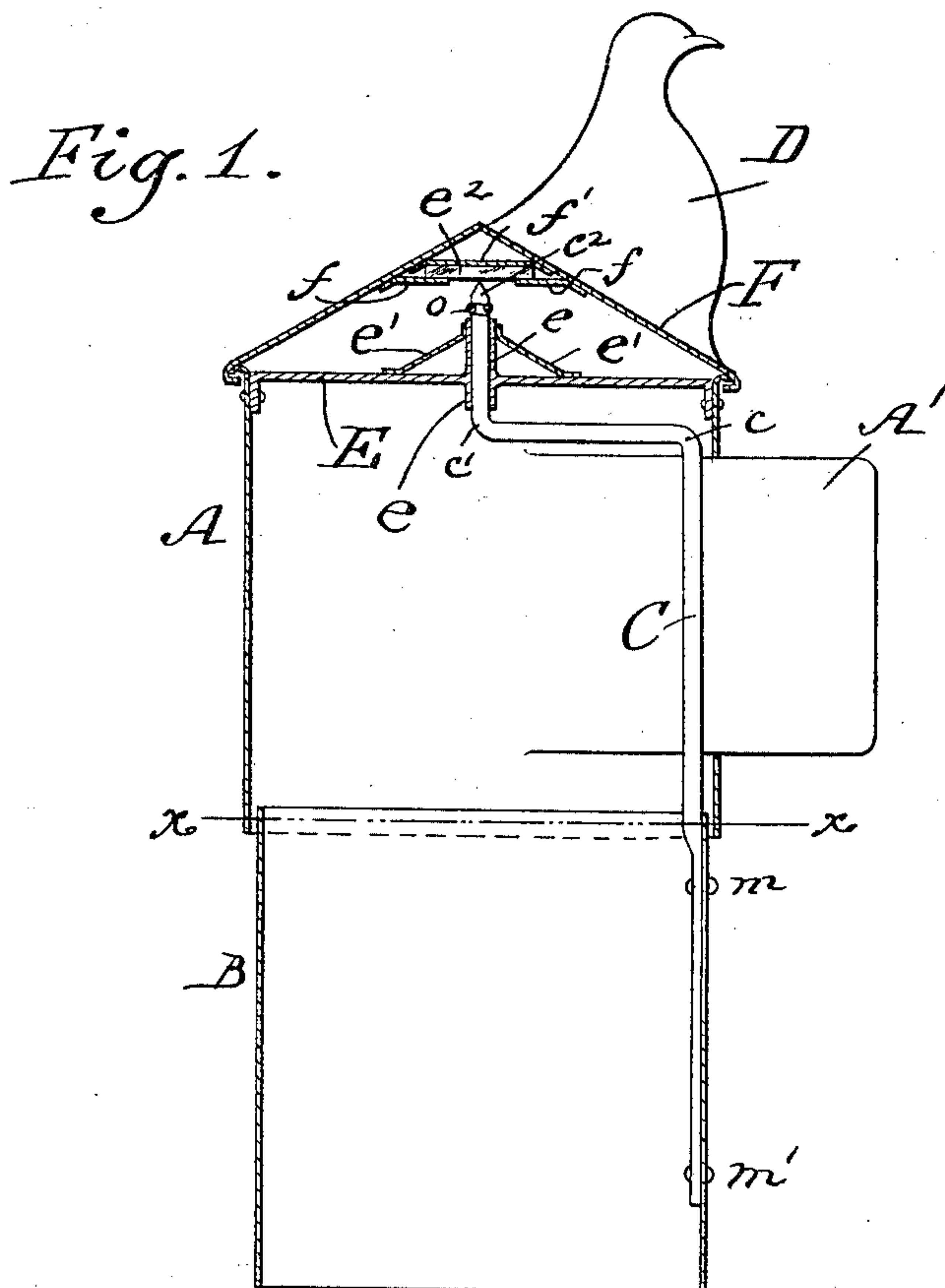
No. 674,940.

Patented May 28, 1901.

J. M. SEIDENBERG.
CHIMNEY COWL.

(Application filed Feb. 1, 1901.)

(No Model.)



WITNESSES:
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JACOB M. SEIDENBERG, OF NEW YORK, N. Y.

CHIMNEY-COWL.

SPECIFICATION forming part of Letters Patent No. 674,940, dated May 28, 1901.

Application filed February 1, 1901. Serial No. 45,557. (No model.)

To all whom it may concern:

Be it known that I, JACOB M. SEIDENBERG, a citizen of the United States, and a resident of New York, county of New York, and State of New York, have invented certain new and useful Improvements in Chimney-Cowls, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to improvements in chimney-cowls.

The nature and object of the invention will be fully understood from the following general description and the annexed drawings and will be subsequently pointed out in the claims.

Figure 1 of the accompanying drawings is a vertical axial sectional view of my newly-invented chimney-cowl. Fig. 2 is an inverted sectional view taken on the line *xx* of Fig. 1.

In the drawings, B designates the stationary section of the cowl, which may be fastened to a chimney-top in any common and well-known way. The upper end of this should be of cylindrical form; but the lower end may be of any shape adapted to fit on the top of the chimney to which it is to be applied.

A designates the upper or revoluble section of the cowl. This section is of cylindrical form, with a conical top F, wings A', and vane D. A bridge E extends across the upper part of this section and is fastened on the side walls, as illustrated. In the middle of this bridge is a vertical sleeve, (designated by *e*;) which is stayed by the braces *e'*. In the point of the conical top F is formed a recess or chamber, inclosed by the walls *ff* and *f'*. In this chamber is secured the bearing-plate *e*², which has a polished under surface and which is preferably composed of glass, but may be of porcelain, crystal, or any similar material.

C designates the staff on which the section A turns. This is fastened by bolts or rivets to the inside surface of the lower stationary section B at *m* and *m'* and extending upward into the revoluble section A is bent at right angles at *c*. From thence it extends to the middle of the cowl at *c'*, and its end is again bent into a vertical position as near as possible in the axis of the cowl. This vertical

end extends through the sleeve *e*, and it is provided with a pointed end *c*², on which rests the plate *e*² to uphold the revoluble section A. In order that the revoluble section A may not by any chance slip off of the staff C, an annular groove is cut in the upper end of the staff above the sleeve *e*. In this is twisted or wound a wire *o* of such size that the sleeve *e* cannot pass it.

All the various parts of the invention are to be substantially as illustrated in the drawings.

To use my invention, its various parts are to be assembled as illustrated in the drawings. It is then to be fastened on the top of a chimney in any common and well-known way. It will then be found that on account of the plate *e*² resting on the point of the staff C the friction of the mechanism will be greatly reduced, and the revoluble section thus afforded greater facility to turn with a change of the wind, and that if the point *c*² should not be placed exactly in the axis of the section A it will not materially effect the operation of the cowl. It will be further found that on account of there being no bridge for the supporting-staff in the lower stationary section there will be no accumulation of soot or other obstruction, such as gathers on a bridge in that part of the cowl, and that the draft will be free and entirely unhindered by any such obstructions. It will also be found that no matter how strong the wind may be the revoluble section will be held from being blown off by the wire *o* in the groove in the top of the staff C.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a chimney-cowl, the combination with the upper revoluble section and a bridge located in the upper part thereof; a vertical sleeve in said bridge; of a supporting-staff secured to the side of the lower section of the cowl and partly embraced by the said sleeve, and upholding the said upper section, all substantially as and for the purpose set forth.

2. In a chimney-cowl, the combination with the upper revoluble section, a bridge located in the upper part thereof; a vertical sleeve in said bridge; braces supporting said sleeve; and a bearing-plate secured above the said

bridge of a staff embodying an upright portion secured to the lower section of the cowl, a horizontal portion and a central upright having a pointed end which bears upon the
5 said bearing-plate, whereby the said upper section is upheld; all substantially as and for the purpose set forth.

3. In a chimney-cowl, the combination with the upper revoluble section; a bridge located
10 in the upper part thereof; a vertical sleeve in said bridge; braces supporting said sleeve on said bridge; and a bearing-plate secured above the said bridge of a supporting-staff secured to the lower section of the cowl and
15 bent as specified, and formed with a point on its upper end and a groove below said point said staff being embraced by said sleeve, and with its point engaging said plate to uphold the said upper section; and a wire fastened
20 in the said annular groove in said staff, above said sleeve, all substantially as and for the purpose set forth.

4. The combination with the upper, revo-

luble section of a chimney-cowl; a bridge in the upper part of said section; a sleeve in
25 said bridge; braces supporting said sleeve on said bridge; partition-walls forming a chamber in the top of said section, above said bridge; and a plate in said chamber; of the lower stationary section of a chimney-cowl; a
30 cranked shaft, fastened to the inner surface thereof, extending upward into said revoluble section, and through said sleeve; a point formed on the end of said staff, whereon said plate rests and revolves; and a wire fas-
35 tened in an annular groove, in said staff, above said sleeve; all substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in pres-
40 ence of two witnesses, this 24th day of January, 1901.

JACOB M. SEIDENBERG.

Witnesses:

B. PATERSON,

S. HARNISCH.