

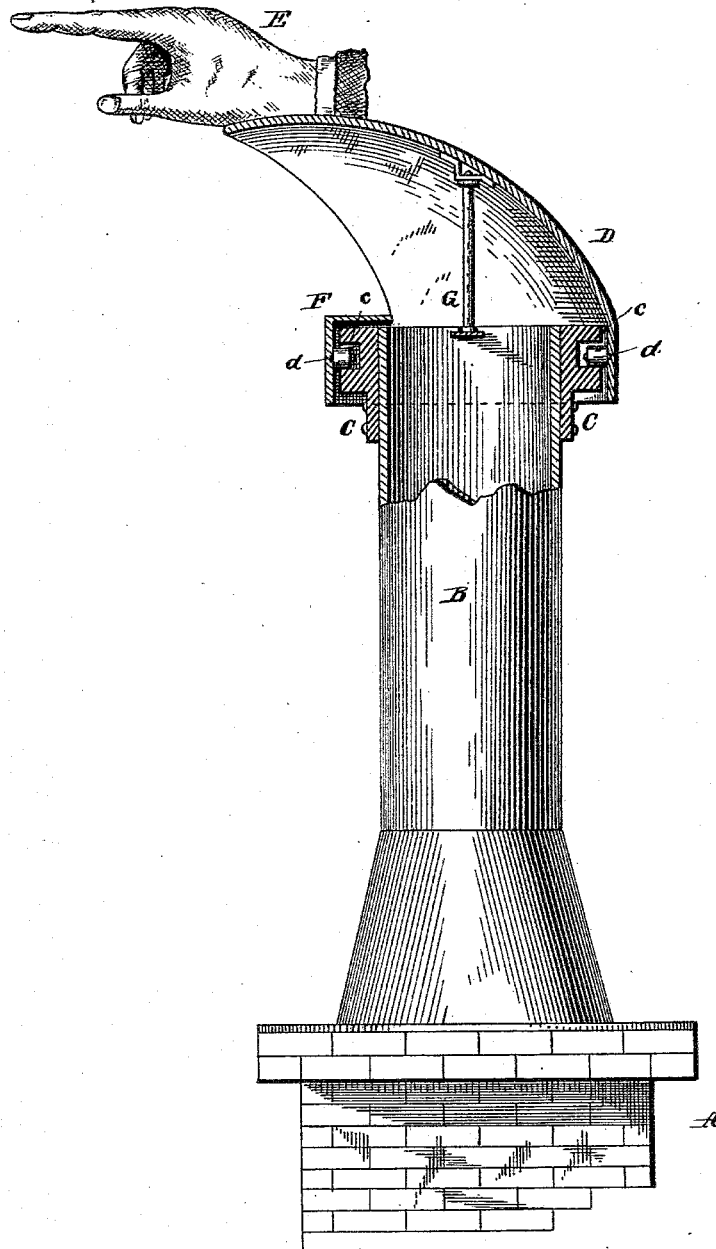
(No Model.)

E. SEARS.

COWL.

No. 301,760.

Patented July 8, 1884.



WITNESSES

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UNITED STATES PATENT OFFICE.

EPHRAIM SEARS, OF NORTH SALEM, OHIO.

COWL.

SPECIFICATION forming part of Letters Patent No. 301,760, dated July 8, 1884.

Application filed January 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, EPHRAIM SEARS, a citizen of the United States, residing at North Salem, in the county of Guernsey and State of Ohio, have invented certain new and useful Improvements in Cows, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to hoods to be used upon the tops of flues or chimneys, which shall change direction with the wind for giving direction to the draft of the flue, the construction and operation of which will be hereinafter more particularly set forth.

In the accompanying figure, which is a side elevation of my invention partly in section, A represents an ordinary chimney-top of any suitable material, and B represents a metallic pipe-section, which is secured upon it. To and around the upper end of this pipe-section is secured a cast-metal collar, C, in the periphery of which is formed an annular groove, *c*.

D represents the hood, the top of which is curved and provided with a pointer, E, of any suitable construction. The lower portion of the hood is so formed that it will neatly, but not tightly, surround the collar C, and is provided either with pins *d d*, (or pins with rollers upon them,) which take into the annular groove *c*, and form bearing-guides for the hood as it revolves or partially revolves with the changes of the wind.

G is a central vertical rod, the lower end of which rests upon a cross-bar secured to the upper end of section B, and the upper end working in suitable bearings in the hood, as represented. The hood, it will be understood, has a bearing not only upon this rod G, but also upon its pins which play in the groove *c*, but the pins *d d* serve a particular purpose in holding the hood securely from any displacement from a vertical line. This hood acts, of course, as others do, revolving with the wind, cutting it off on one side, and directing the draft on the other. The hood may have side pieces, as usual, to more effectually direct the wind.

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

The combination, with the pipe, of the annular-grooved collar secured to its upper end, the hood having its lower end adapted to fit over the collar, the anti-friction roller-bearings secured to the hood and playing in the groove in the collar, and the central upright standard secured to a cross-piece in the top of the pipe, and pivotally secured to the hood, and partially supporting the same, substantially as and for the purpose specified.

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

EPHRAIM SEARS.

Witnesses:

CHAS. D. DAVIS,
M. P. CALLAN.