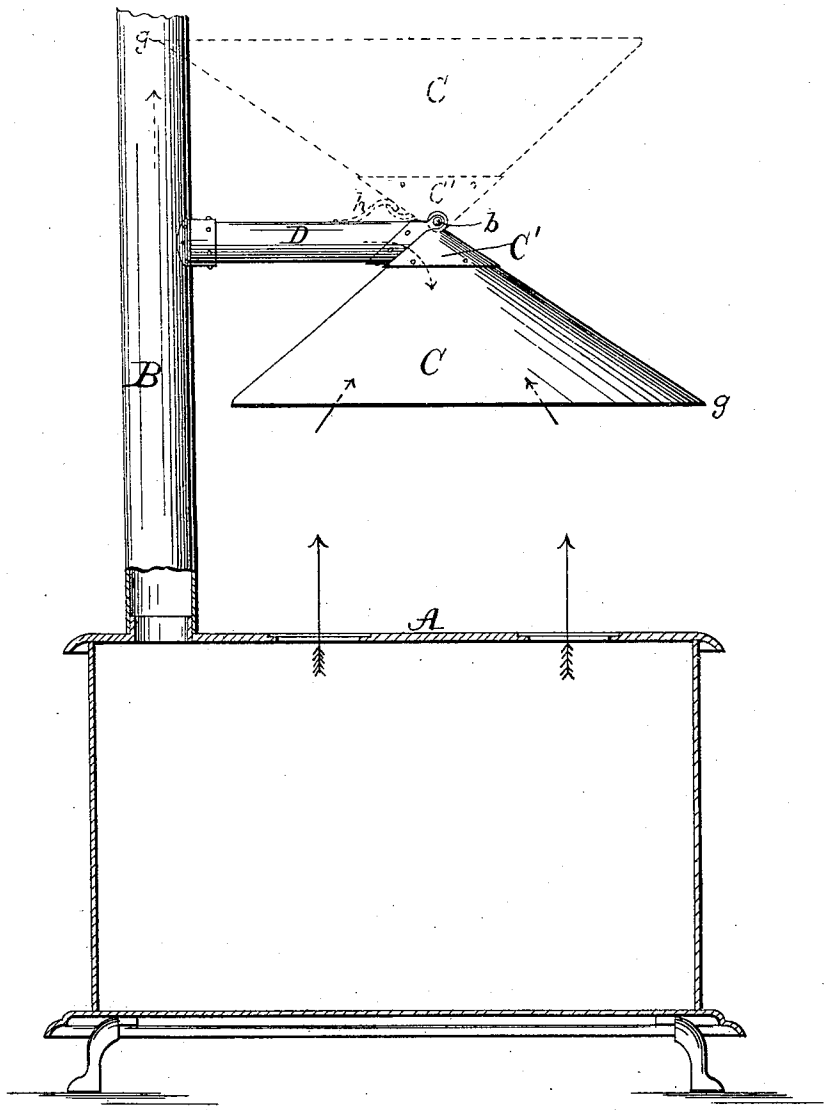
(No Model.)

J. F. LINSCOTT.

VENTILATOR FOR COOKING STOVES.

No. 272,720. Patented Feb. 20, 1883.



Witnesses:
F. M. Burnham.
W. R. Keyworth

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UNITED STATES PATENT OFFICE.

JOHN F. LINSCOTT, OF GRAND RAPIDS, MICHIGAN.

VENTILATOR FOR COOKING-STOVES.

SPECIFICATION forming part of Letters Patent No. 272,720, dated February 20, 1883.

Application filed July 31, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. LINSCOTT, of Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Ventilators for Cooking-Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form part of this specification, in which the figure represents a vertical longitudinal section of a cooking-stove having my invention applied to the stove-pipe, and showing the cone in two positions, one position being indicated by dotted lines.

This invention relates to cone-ventilators which are applied to branch pipes springing from the main smoke-pipe of a cook-stove; and the nature of my invention consists in so hinging the ventilating cone or hood to a branch pipe springing from the main outlet smoke-pipe that said cone or hood can be turned upward and backward in a vertical plane or adjusted horizontally over the top plate of the stove, as will be fully understood from the following description, when taken in connection with the annexed drawing.

The letter A designates the top plate of a cooking-stove, which is provided with pot-holes, and also with an outlet-pipe, (lettered B.) These parts and also the body of the stove may be constructed in any of the usual well-known forms.

My object is to conduct off the fumes rising from articles being cooked on the top of the stove, and also to conduct off much of the heat rising from the top of the stove. This I do in the following manner:

C designates a hood or funnel, which may have a superficial area of base equal or nearly equal to that of the top plate of the stove, and which is preferably terminated by an apex, C′. This hood or funnel is connected to a branch pipe, D, that springs from and communicates with the main smoke pipe or outlet B by a horizontal transverse pivot or hinge, *b*. The said hood or funnel may be constructed of sheet metal, and it has a cast malleable-metal apex, C′, which gives rigidity to it, and allows it to be hinged securely and positively to the branch pipe D in any suitable manner which will allow the funnel or hood to be adjusted in the position shown in dotted lines, so as to be out of the way, or to be adjusted in the position shown in full lines, for the purpose of allowing the natural draft of the stove to carry off through the smoke-pipe all of the fumes rising from vessels on the top of the stove.

It is clear from the drawing that the branch pipe D is so beveled that when the cone or hood is inverted, as shown in full lines, it will abut against the said beveled end of the branch pipe, and be thus held in working position.

The means shown and the facility with which a ventilating cone or hood can be manipulated constitutes the essential feature of my invention.

I may scallop or score the hood at *g*, and I may use a latch or catch of suitable construction, as at *h*.

I claim as my invention—

1. The combination, with main pipe B and branch pipes D, of the head C, said head being hinged to pipe D and adapted to be inverted, substantially as and for the purposes set forth.

2. The combination of a cast-metal cap or apex, C′, a sheet-metal cone or hood, C, a transverse or horizontal joint for the cone, a branch pipe springing from a smoke-pipe, and a cooking apparatus, all constructed to operate substantially as described.

3. The ventilating-cone C, the cast-metal cap or apex C′, the hinge, the beveled end of the branch pipe, and a smoke-pipe of a stove, constructed and arranged to operate substantially in the manner and for the purposes described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN FREEMAN LINSCOTT.

Witnesses:

LINCOLN BOWEN,

HENRY IDEMO.