

C. H. DOUGLAS.
Cooking-Stoves.

No. 140,996.

Patented July 22, 1873.

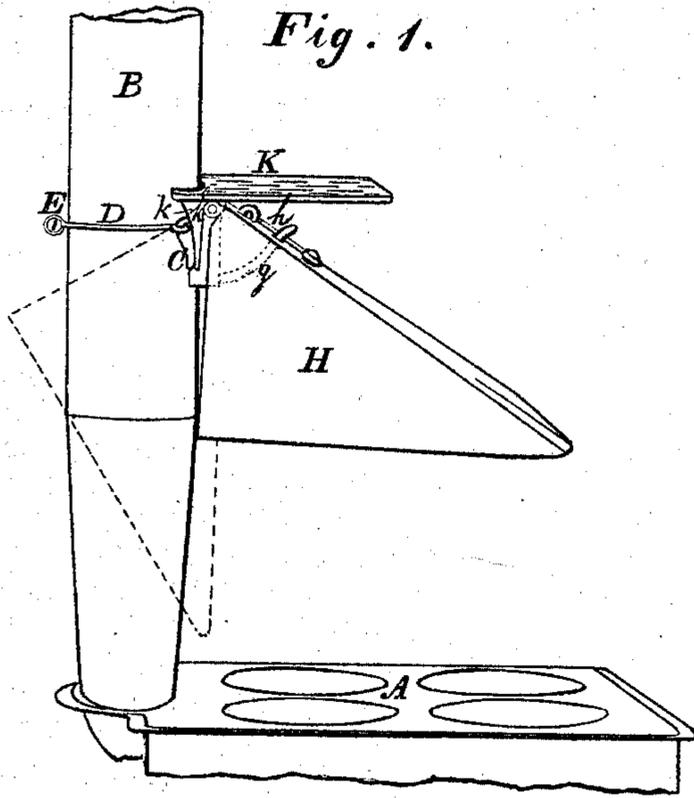


Fig. 2.

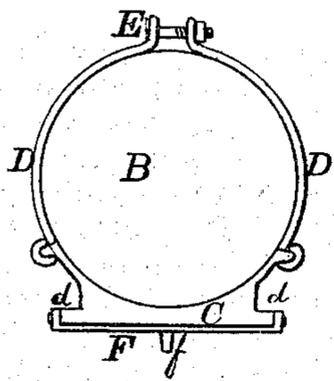
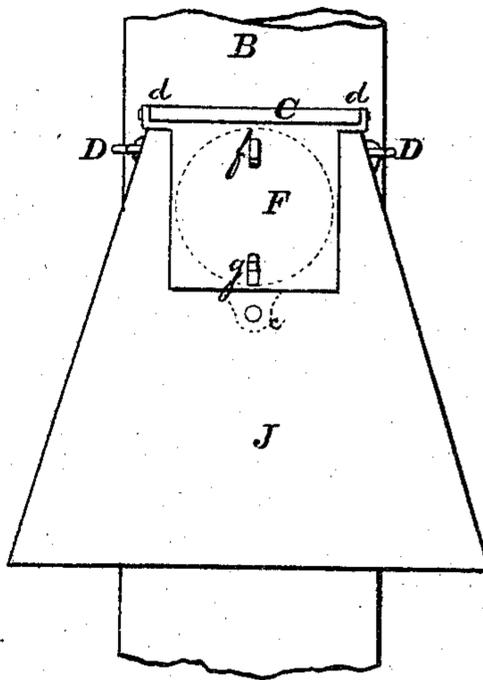


Fig. 3.



Witnesses;
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UNITED STATES PATENT OFFICE.

CHARLES H. DOUGLAS, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. **140,996**, dated July 22, 1873; application filed May 14, 1873.

To all whom it may concern:

Be it known that I, CHARLES H. DOUGLAS, of Hartford, State of Connecticut, have invented a Cook-Stove Ventilator, of which the following is a specification:

The object of my invention is to provide such an attachment to the pipe of a cook-stove as will be ready and handy to use for carrying off the steam and odor of cooking, and when not in use may easily be closed out of the way against the pipe or removed; also to combine therewith a convenient pipe-shelf.

The details of this invention are fully illustrated in the accompanying drawings.

A, Figure 1, is the top of an ordinary cook-stove. B, Figs. 1, 2, and 3, is the smoke flue or pipe. C is an open casting, which fits to the pipe, surrounding an opening therein, represented by the dotted circle in Fig. 3, and is firmly clasped thereto by the bands D D and the bolt E. Hinged to this casting is a valve, F, which fits upon the casting C, and thereby closes the opening in the pipe. H is a bonnet, of sheet metal or other suitable material, which is held to valve F by a projecting eye, *f*, on said valve, which eye extends through a hole in said bonnet for that purpose, and is secured there by a hook, *h*, on the bonnet. When this bonnet is swung out to its full capacity, as in Fig. 1, it is held there by the pawl *g*, which is attached to valve F, and extends into the opening in the pipe. J, Fig. 3, is a piece of sheet metal, which is riveted to an ear on the lower edge of casting C, at *c*, and forms the back of bonnet H. K is a pipe-shelf, which is held in place by the legs *k*, which extend down back of the horns *d d* on casting C.

As bonnet H is attached to valve F, when it is thrown open, as represented in Fig. 1, the said valve is thereby thrown open, and the steam and odor of the cooking food are conducted through the open valve into the pipe. By pressing upon the upper end of pawl *g*,

which extends through the bonnet for that purpose, it may be tripped or raised, and the said bonnet may then be swung down against the pipe, entirely out of the way, the side wings thereof passing down astride the pipe, as represented by the dotted lines in Fig. 1, in which position valve F is closed.

Bonnet H may be detached readily by slipping hook *h* out of eye *f*, and may be as readily replaced.

The bands D D are made of wire or stiff band metal, formed to fit the pipe, and are hinged to casting C.

The bonnet H may be hinged independently of the valve, or may be suspended over the stove by a hook or other simple device upon the pipe, so as to be easily removed or attached by the person using it, and thereby dispense with the use of the hinge; but the device hereinbefore described I hold to be superior to these.

I am aware that attempts have been made to conduct the steam and odor of cooking food into the pipe by means of a funnel attached by a tube to a sliding collar on the stove-pipe; also, by small tubes leading into the pipe from pot-covers, neither of which bears any resemblance to my invention. I am also aware that pipe-shelves attached to the pipe in a variety of ways have been used; but I am not aware that a pipe-shelf has ever before been used as an attachment to any cook-stove ventilator.

I claim as my invention—

1. The hinged and movable bonnet or hood H and the valve F operated by and in conjunction with it, as and for the purpose specified.

2. The casting C, as a combination of seat for a ventilator-valve and support for a pipe-shelf.

CHARLES H. DOUGLAS.

Witnesses:

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