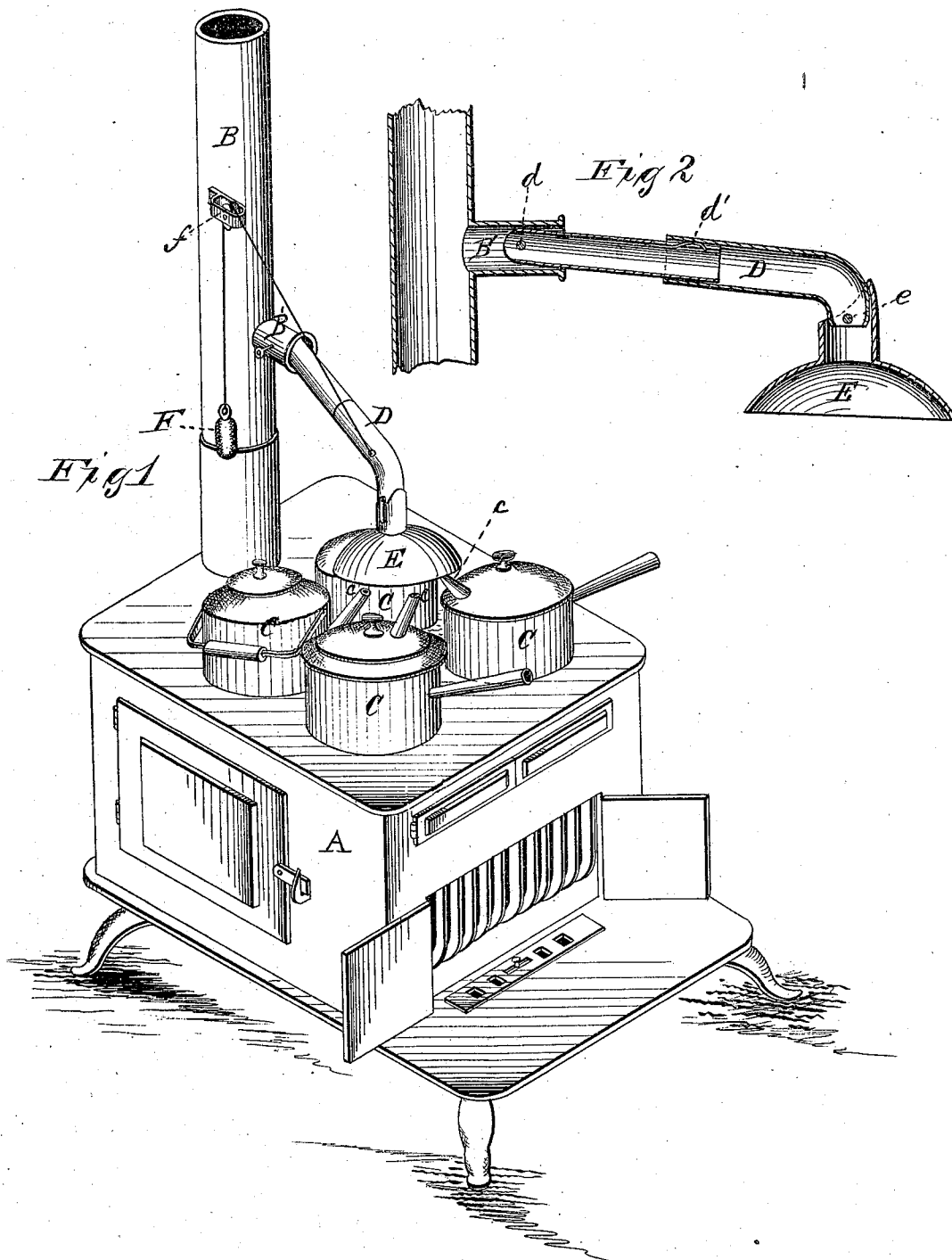


H. M. HOCKMAN.

VENTILATING DEVICE FOR COOK-STOVES.

No. 173,294.

Patented Feb. 8, 1876.



WITNESSES
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HENRY M. HOCKMAN, OF BERWICK, PENNSYLVANIA, ASSIGNOR TO HIMSELF,
WILLIAM J. KNORR, AND JOHN B. WITHERS, OF SAME PLACE.

IMPROVEMENT IN VENTILATING DEVICES FOR COOK-STOVES.

Specification forming part of Letters Patent No. **173,294**, dated February 8, 1876; application filed
January 28, 1876.

To all whom it may concern:

Be it known that I, HENRY M. HOCKMAN, of Berwick, in the county of Columbia and State of Pennsylvania, have invented certain new and useful Improvements in Ventilating Devices for Cooking-Vessels and Cook-Stoves, of which the following is a specification:

Figure 1 is a perspective view, showing the ventilating attachment in position above and over the spouts or nozzles of several culinary vessels. Fig. 2 is a detail in section, showing some of the special features of constructing and applying the ventilator and pipe.

The object of the present invention is to provide a cheaply-made, easily-applied, and slightly-appearing ventilating device to any ordinary stove, cooking or other; and the novelty consists, more particularly, in the special detail of constructing and arranging said device to and upon the smoke-pipe, and in so adapting and adjusting it relatively to the several parts or vessels in or upon the stove-top that their nozzle or vent-pipes may lead into the dome-shaped mouth of this ventilating apparatus, all as will now be more in detail set out and explained.

In the accompanying drawings, A denotes any ordinary stove adapted for cooking, and having the usual smoke-pipe B, and provided with cooking-vessels C, one or more. In the smoke-pipe is a collar, B', of any usual or ordinary construction, and detachably or permanently fixed in place. Suitably arranged in this collar is the pipe D, and now shown as pivoted therein at *d*. This pipe may be made in any suitable number of sections, and has at its outer end a dome, E, so fixed and attached to it that it can have suitable motion, according as it is desired to place the dome in any position relative to the spouts or ventilating-nozzles *c c*, which connect with the cooking-pots or vessels, or their covers, or in the covers or lids of wash-boilers, or those adapted to be used over frying-pans or cake-griddles; or this movement can in part be given by the horizontal extension of pipe D, in which instance a spring, *d'*, will aid in giving the desired steadiness to the sections. This dome may be pivoted at *e* in the end of pipe D. The pipe D, when adjusted

to any desired vertical position, will be retained in place by the counter-balance F, which works upon the pulley *f*, and is connected to the pipe at any desired point; or I may use, instead of such a counter-balance, any ordinary or well-known means for producing this result.

Heretofore, in devices designed for the same object and end with the present, the hood has been a gross and unsightly hood of metal, coming down over the whole or the larger part of the stove-top, and being not only uncomely in appearance, but quite costly and difficult to manage. When fixed permanently they are frequently in the way and always difficult to clean out or repair, and, when adapted to be adjusted upon and above the stove-top, by their very bulk are always getting out of order, and thus it has happened that, while theoretically the several devices mentioned may operate to carry off the fumes of cooking, they are not such devices as are desirable for the housekeeper to have about or effective in operation. The present device, on the contrary, is adapted to accomplish every desired result of ventilation, and will effectually operate to carry away all the disagreeable fumes which arise in cooking, while it can be cheaply made, is very slightly in appearance, and is not at all likely to get out of order or repair, nor does it matter whether one or all the cooking-vessels are upon the stove, because the dome can be so set in relation to their nozzles that all the fumes are certainly led away. The pipe may, if desired, have a damper in it; so may the collar B likewise. The pipe may be so made as to telescope upon itself, and it may have a universal joint at its point of connection with the collar, and the dome may also be likewise attached to the pipe. In this way the dome can be adapted to any desired position over the stove at will, and the whole device or attachment, when not wanted for use, can be put out of the way by the side of the smoke-pipe or detached wholly. The invention can be applied to any stove in a quick, easy, and cheap manner, requiring merely the opening in the stove-pipe, and the nozzles in the cover of the usual boilers, &c. In coffee-pots and the like,

the spouts will serve the same purpose with these nozzles.

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

1. The adjustable and extensible pipe, having at its outer end the ventilating-dome, attached as described, and combined with the stove-pipe by means of a flexible joint, substantially as and for the purposes set forth.

2. The combination of pipe D, adjustable, extensible, and detachable, as described, col-

lar B', stove-pipe B, and ventilating-dome E, with pots or vessels having nozzle or spout c in body or cover, substantially as and for the purposes set forth.

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

HENRY M. HOCKMAN.

Witnesses:

PHILIP McNICKLE,
E. F. M. FAETZ.