

J. H. HOOVER.
Attachment to Stoves.

No. 217,943.

Patented July 29, 1879.

Fig. 1.

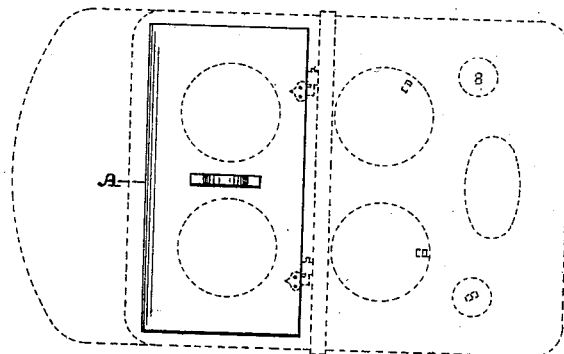


Fig. 2.

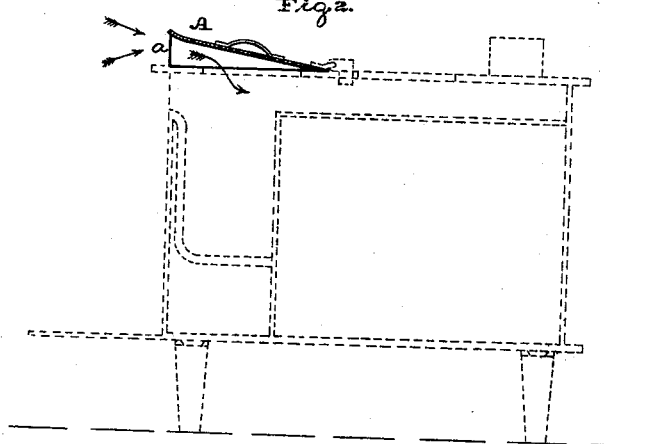
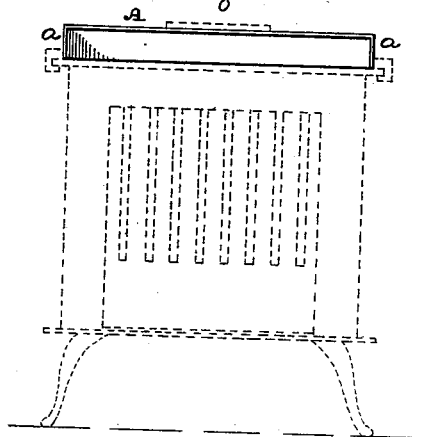


Fig. 3.



Witnesses:

W. P. Grant,
H. A. Richter

Inventor:

Jacob H. Hoover,
by John A. Dickerson,
ATTORNEY.

UNITED STATES PATENT OFFICE.

JACOB H. HOOVER, OF ASHLAND, ASSIGNOR OF ONE-HALF HIS RIGHT TO
WILLIAM L. McDOWELL, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN ATTACHMENTS TO STOVES.

Specification forming part of Letters Patent No. **217,943**, dated July 29, 1879; application filed
March 6, 1879.

To all whom it may concern:

Be it known that I, JACOB H. HOOVER, of Ashland, in the county of Schuylkill and State of Pennsylvania, have invented a new and useful Improvement in Attachments to Stoves, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a top view of the attachment embodying my invention. Fig. 2 is a vertical section in line *x x*, Fig. 1. Fig. 3 is a front view thereof.

Similar letters of reference indicate corresponding parts in the several figures.

My invention relates to an attachment to the top of a stove adapted to overhang the plate-openings, for the purpose of conveying gas, sulphur, smoke, odor, &c., through said openings when uncovered, and likewise form a convenient and useful appliance for broiling.

The invention consists of a piece of metal having wedge-shaped sides, and hinged to the top of the stove, whereby the front of the attachment is elevated and thereby left open, and the rear comes in contact with the top of the stove and is thereby closed; and there is formed a contracting conduit, which increases the draft to the plate-opening, and the attachment may be made of a single piece of metal.

Referring to the drawings, A represents the attachment, consisting of a piece of metal having depending sides or supports *a a*, which are wedge-shaped, so that the front of the plate is elevated and open, and the rear is closed or flush with the top plate of the stove on which the attachment is placed. The attachment is hinged to the top plate of the stove, for which purpose lugs and ears will be formed on said plate; and the attachment or a piece of metal may be secured to a stove already constructed, and have the attachment hinged to it.

The operation is as follows: When the attachment is required, it is swung or moved over the uncovered opening of the top plate of the stove, and forms a hood thereover, whereby a downward draft is created through the opening, thus conveying gas, sulphur, smoke, odor, &c., into the fire instead of into the room, without materially affecting the fire, but on the contrary preventing deadening of the same, and also serving to ventilate the room.

This appliance is likewise useful for broiling, in that while the attachment overhangs the broiler and provides a conduit for smoke, odor, &c., the stove is sufficiently closed to cause the fire to retain its vitality—an important feature in broiling.

It is evident that the attachment produces an appliance to stoves which is sanitary, especially during the night; and it is furthermore a safeguard when the fire is "fixed," as cracking fuel is restrained upwardly, and live coals may be prevented from being discharged on the floor.

The device is readily applicable to ranges and all heating apparatus having top plates.

The wedge-shaped sides of the attachment form a contracting conduit, which increases the draft to the plate-opening.

For broiling purposes, a piece of metal may be hinged to the front of the attachment for temporarily closing the same, and an opening is formed in said piece for the projection of the handle of the broiler. When the broiling is accomplished, the hinged piece is thrown back over the attachment, in order to leave the front of the latter open for the other purposes hereinbefore stated.

I am aware of the well-known form of fire-place blowers; and I am also aware that broiling and smoke, &c., conveying attachments are not new, and that they are variously constructed—some in box form, others to overhang the front grate-doors, and another as a hood with a hinged lid; but I am not aware that any of them is made simply of a top piece with depending sides of wedge-shaped form, whereby the front is left open, and the rear closes by contact with the top plate of the stove. Hence I have made an improvement in the art.

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

The improved attachment consisting simply of a top piece and wedge-shaped sides, and hinged to the top of the stove, all constructed and operating as herein set forth.

JACOB H. HOOVER.

Witnesses:

JOS. D. McCONNELL,
HENRY HOOVER.