

H. S. COOK.
Stove-Attachments.

No. 164,269.

Patented June 8, 1875.

Fig. 1.

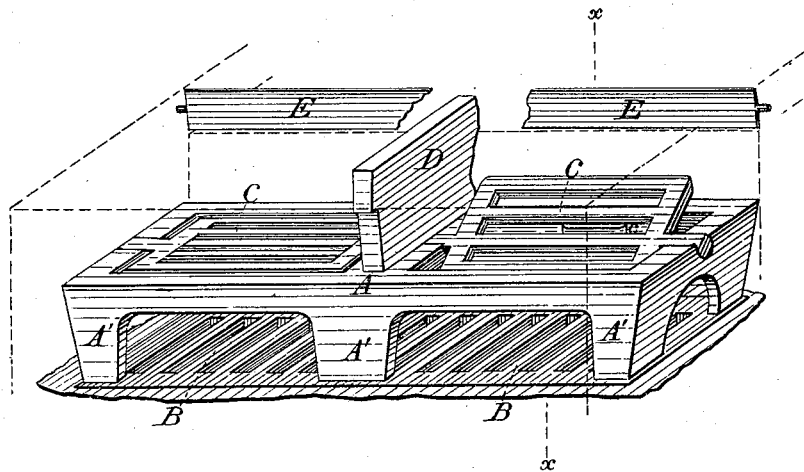
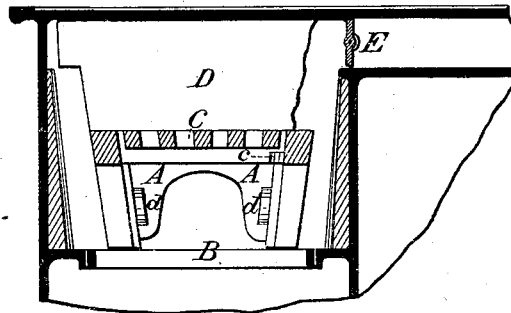


Fig. 2.



Attest:
C. H. Smith
Philip M. Wickel

Inventor:
H. S. Cook.
per *L. Deane*
his atty

UNITED STATES PATENT OFFICE.

HEZEKIAH S. COOK, OF ALBANY, NEW YORK.

IMPROVEMENT IN STOVE ATTACHMENTS.

Specification forming part of Letters Patent No. **164,269**, dated June 8, 1875; application filed July 18, 1874.

To all whom it may concern:

Be it known that I, HEZEKIAH S. COOK, of the city and county of Albany, and State of New York, have invented a new and Improved Stove Attachment, of which the following is a specification:

Figure 1 is a perspective view, showing the device placed on the grate of the fire-chamber of an ordinary cooking stove or range. Fig. 2 is a vertical central section of above figure on line *x x*, showing the outline of a portion of the cook-stove, and the relation of the damper of the attachment to the throat of the exit-flue passage of the stove.

The object of present invention is to afford a portable and cheap supplementary grate for use in summer time in the fire-chamber of cooking-stoves when only a small and quick fire is needed; and it consists more particularly in a portable grate of such size and form as may be readily adapted to the fire-chamber of any ordinary cooking-stove, and so constructed that a small or a large fire-bed can be afforded, and so provided with dampers that the draft-space can be regulated to correspond with the fire-chamber, all as will now be more fully set out and explained.

In the accompanying drawing, A represents the frame of the portable summer attachment in place on the grate B of an ordinary cooking-stove. This frame is usually in form of a parallelogram and provided with two grates, C, pivoted eccentrically in any ordinary manner, either longitudinally or transversely, and provided with suitable stops *c* on one side, to support the grate in horizontal position. The attachment is provided with legs A', upon which it is supported above the stove-grate. These are made of any suitable length, according as it is desired to have a deep or a shallow fire-chamber. Centrally in the attachment, and from front to rear, is provided a groove or slot, in which the removable parti-

tion D is now placed. This can be locked by hooks or keys *d*.

If desired, a suitable damper or dampers may be provided for use on or in connection with said grate, &c., and any ordinary means a workman may suggest can be readily adapted for fitting the same, as now shown at E, in the throat of the stove, so as to operate to cover or open the flue leading from the fire-chamber, and any suitable means or device, such as handles or the like, may be provided for lifting or moving the grate.

By means of this device so made, the fire-bed can be reduced to any desired proportion, because by its use the depth of the fire bed or space is very much diminished, and likewise the breadth can be contracted at pleasure. It is only necessary to remove the central partition to give the entire horizontal surface free for a fire-bed, or to place it in the position now shown when but a very small fire is needed.

I am aware that many supplementary grates have been used at different times heretofore to diminish the fire-chamber of a cooking-stove in summer when but a small fire is needed, and I am also aware that it is not new to provide a removable partition-plate in the grates of stoves and ranges; but I do not claim the one or the other of these above-mentioned devices; but

What I do consider to be new, and claim as my invention, is—

The portable summer attachments A B C, as herein described, for cooking stoves and ranges, provided with a removable partition, D, in its fire bed or grate, the several parts constructed and combined with each other substantially as set forth.

HEZEKIAH S. COOK.

Witnesses:

JAMES W. BOURKE,
HENRY SCRIPTURE.