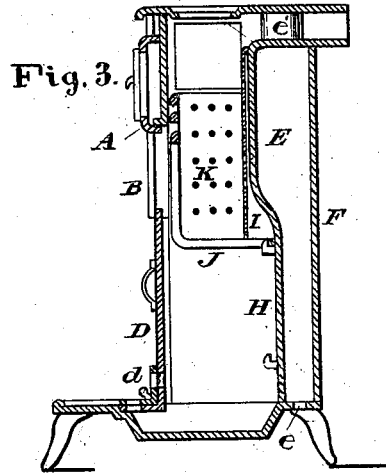
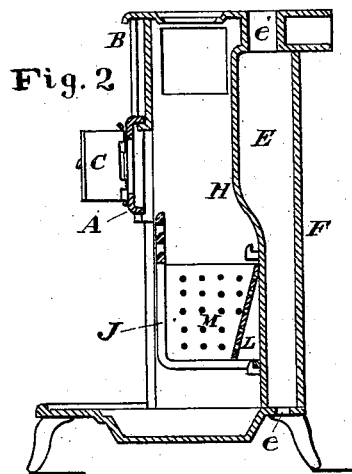
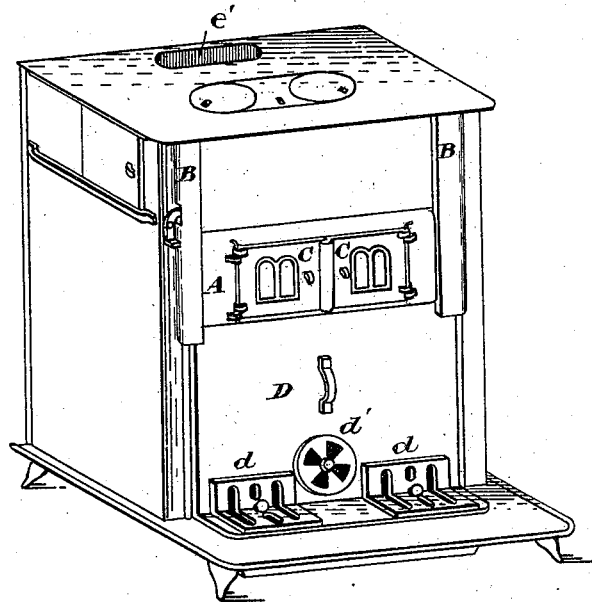


B. DUERSTOCK.
STOVES FOR COOKING AND HEATING.

No. 193,233.

Patented July 17, 1877.

Fig. 1.



Attest
 Walter Knight
 & Blond Burdett.

B. Duerstock
 By Knight Bros.
 Atty's.

UNITED STATES PATENT OFFICE.

BERNARD DÜERSTOCK, OF CINCINNATI, OHIO.

IMPROVEMENT IN STOVES FOR COOKING AND HEATING.

Specification forming part of Letters Patent No. 193,233, dated July 17, 1877; application filed June 20, 1877.

To all whom it may concern :

Be it known that I, BERNARD DÜERSTOCK, of Cincinnati, Hamilton county, Ohio, have invented certain new and useful Improvements in Stoves, of which the following is a specification :

This invention consists of certain improvements on Patent No. 141,771, granted to me August 12, 1873, in which is described a stove, having a shiftable grate, in conjunction with a vertically-sliding door and detachable blower, and also having an air-chamber in the rear.

My improvement consists of a small pair of hinged doors in the sliding door, and of two sets of removable linings at the back and sides of the fire-chamber for alternative use, as hereinafter explained.

Figure 1 is a perspective view of a stove, such as was shown in Letters Patent above referred to, and embracing my improvements. Fig. 2 is a vertical section, showing the grate in its lower position; and Fig. 3 is another vertical section, showing the grate elevated.

The door A slides in grooves B at each side of the stove, and in this door is placed an auxiliary hinged door or doors, C C, by means of which fuel can be introduced without raising the heavy sliding door A.

The doors C C may be provided with mica windows, as shown in Fig. 1.

D represents my blower in position, having registers *d* and *d'*, and E is the air-chamber,

inclosed by the stove back F and plate H, a short distance therefrom, and having inlet *e* and outlet *e'*. To prevent the burning of this plate, H, I provide two sets of perforated linings, shown, respectively, in Figs. 2 and 3.

When the grate J is in the upper position, the back lining I rests on the grate in a vertical position, being held in place by side linings K; but when the grate is in the lower position, the back lining L is inclined, the top resting against the plate H, and the base on the grate J, the side lining M serving to hold it in place.

When it is desired to use the stove for cooking, as in Fig. 3, the grate J, being elevated, the linings L M are useless, and are therefore removed, and other linings I K are placed on top the grate J.

I claim as new and of my invention—

1. In a stove provided with shiftable grate J, the sliding fire-door A, having the auxiliary hinged doors C C, substantially as described and shown.

2. In combination with a stove having shiftable grate J and sliding door A, the removable linings I K L M, as described and shown.

In testimony of which invention I hereunto set my hand.

BERNARD DÜERSTOCK.

Attest :

WALTER KNIGHT,
L. H. BOND.