B. DUERSTOCK.

STOVES FOR COOKING AND HEATING.

No. 193,233. Patented July 17, 1877.

Fig. 1.

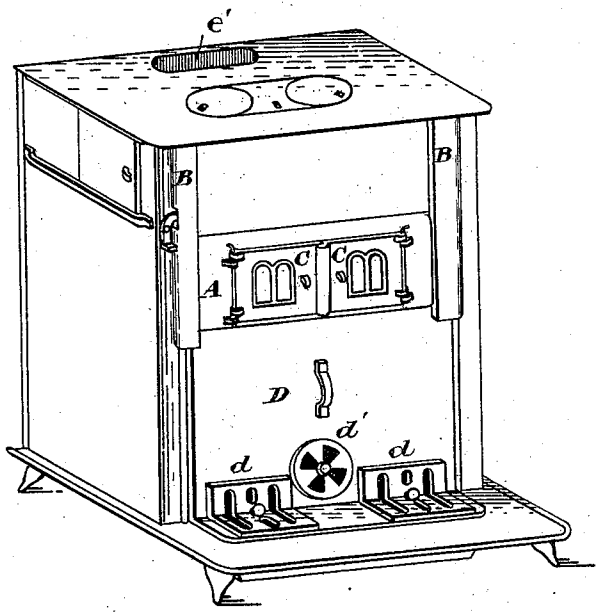


Fig. 2

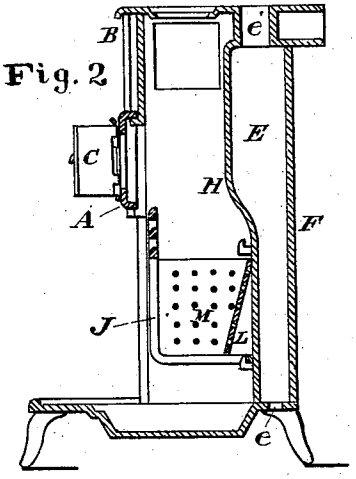
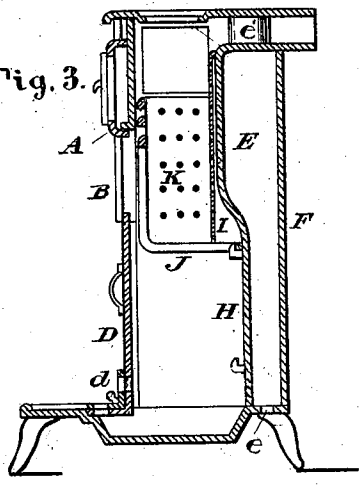


Fig. 3.



Attest
Walter Knight
L. Blond Burdett.

B. Duerstock
By Knight Bros.
Atty's.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

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.