

(Model.)

A. L. SAVAGE.
HEATING STOVE.

No. 252,904.

Patented Jan. 31, 1882.

Fig. 1.

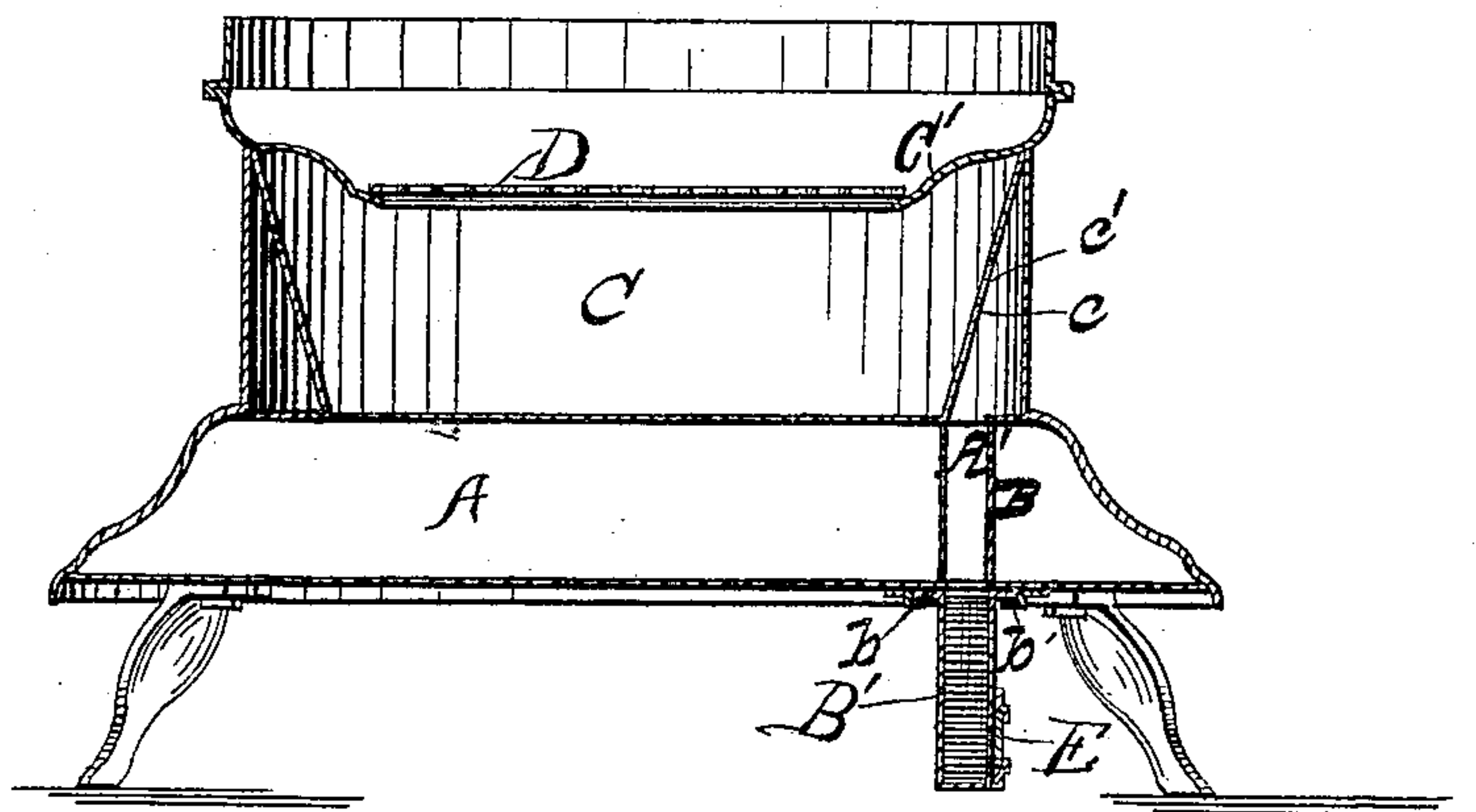
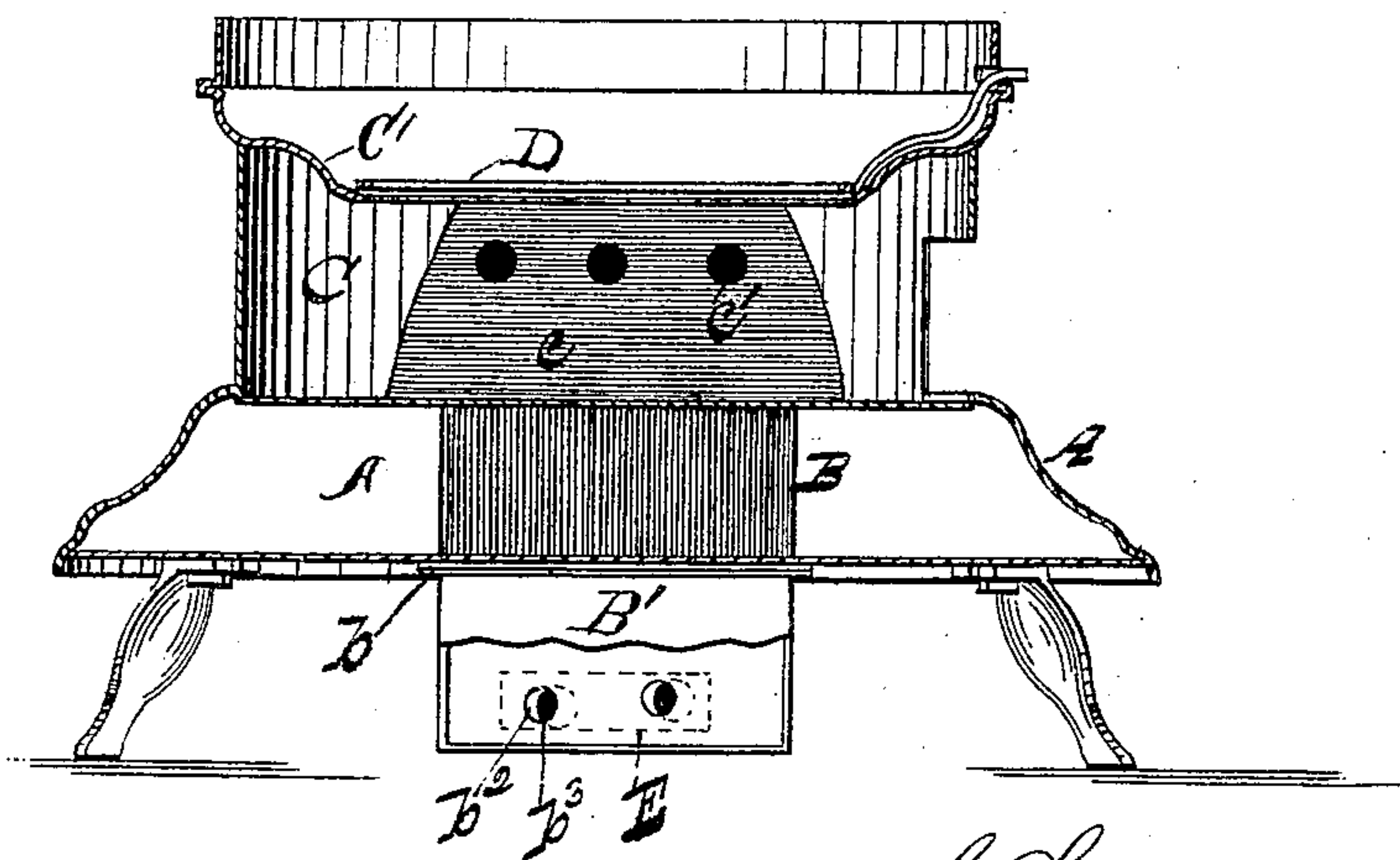


Fig. 2.



WITNESSES

F. H. Knight
Harry Perinhard.

Albert L. Savage

INVENTOR.

J. M. Winter
ATTORNEY

UNITED STATES PATENT OFFICE.

ALBERT L. SAVAGE, OF ASHTABULA, OHIO.

HEATING-STOVE.

SPECIFICATION forming part of Letters Patent No. 252,904, dated January 31, 1882.

Application filed September 5, 1881. (Model.)

To all whom it may concern:

Be it known that I, ALBERT L. SAVAGE, a citizen of the United States of America, residing at Ashtabula, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Stoves; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a vertical section taken through the base portion of a stove, showing my improvement applied thereto; and Fig. 2 is a similar view at right angles to the section of Fig. 1.

This invention appertains to improvements especially in heating or parlor stoves, having for its object to promote combustion and increase the heating capacity of the stove; and it consists in the detailed construction and arrangement of parts, substantially as hereinafter fully set forth and claimed.

In carrying out my invention I cast the base A at one side with a tube or chamber, B, with its upper end, A', covered by a plate, c, arranged in the ash-pit C in an inclined position, and having apertures c' for the passage of air into the ash-pit and directly up through the grate into the fuel in combustion. The ring or annulus C', which supports the grate D, forms a flange which overhangs the perforated or apertured end of the tube or chamber B, to prevent the falling of burning coals into or through the said openings, while the division-plate c prevents the entrance of ashes or coals spilled out of the ash-pan, or otherwise falling into the ash pit or chamber.

To the under side of the base A is removably connected in line with the tube B a tube, B', to form an extension to within an inch or so of or to a point in close proximity to the floor of the tube B, to take and conduct the cold stratum of air passing along the floor into the tube B, whence it is passed into the ash-chamber directly into the fuel or fire. This greatly promotes combustion and accordingly increases the heating capacity of the stove. The tube B' is made removable by means of flanges b thereon, fitting into or resting upon cleats b' upon the bottom of the base A, to permit its removal when the stove is taken down and allow the stove to stand bodily upon its support. This tube is also provided with a draft-regulator, composed of a slide, E, having apertures b² and sliding over apertures b³ in the side of the tube near its lower end, which is closed as a further security against the falling therefrom of any products of combustion or ashes that may possibly get into it. The air of course enters the tube through the apertures over and past which the apertures of the slide E moves.

Having thus fully described my invention, I claim and desire to secure by Letters Patent—

The stove-base A, cast with the air chamber or tube B, with its upper end covered by a plate, c, arranged in an inwardly-inclined position in the ash-pit under the overhanging flange of the grate-support C', and having perforation c', in combination with the removable tube B', having perforations or apertures near its lower end, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT L. SAVAGE.

Witnesses:

R. W. CALVIN,
GEO. F. ZEILE.