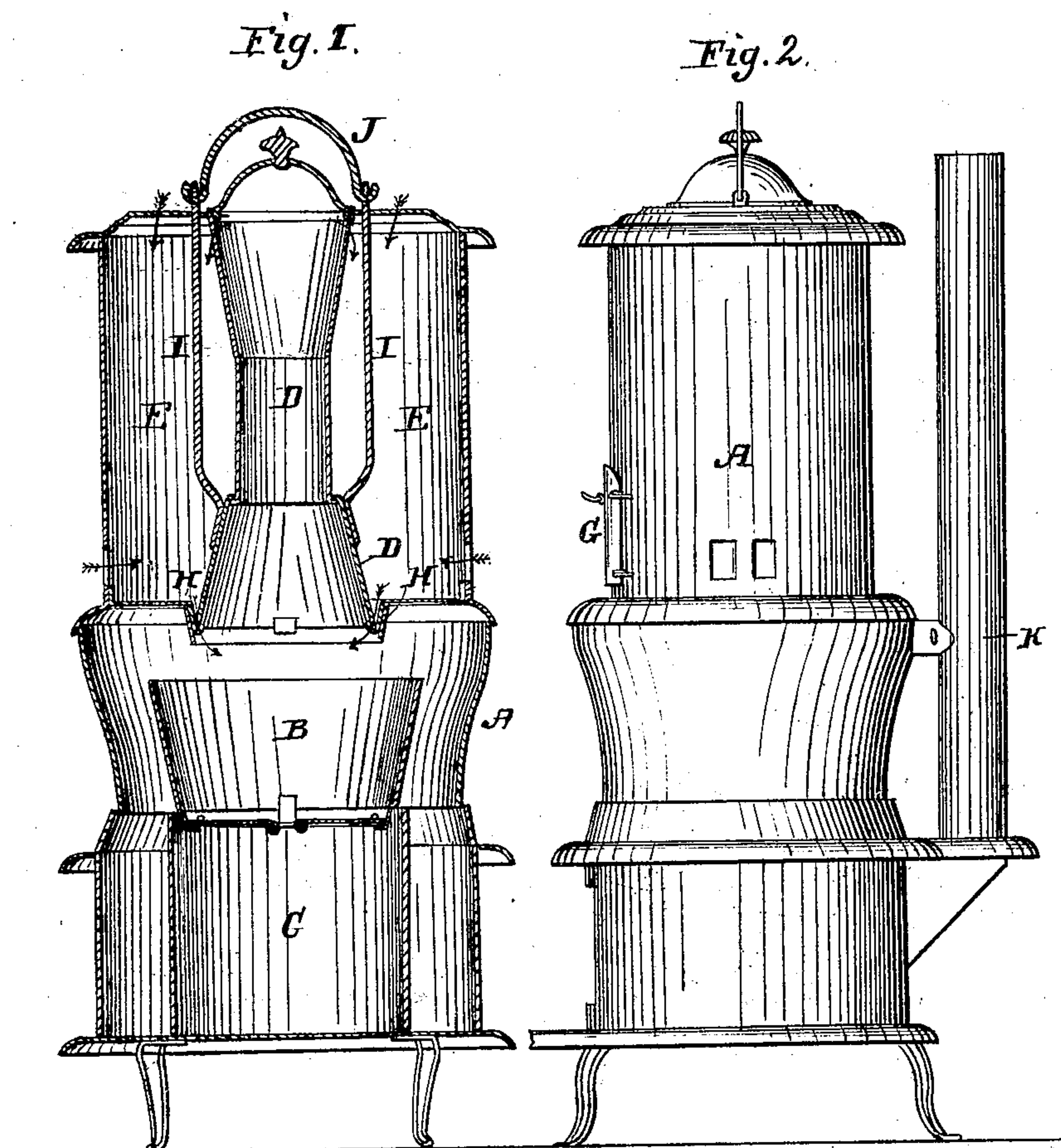


A. WHITE.
Magazine Stove.

No. 101,688.

Patented Aug. 5, 1870.



Witnesses:
Josh Ellis
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Inventor:
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United States Patent Office.

ALEXANDER WHITE, OF GENESEO, ILLINOIS.

Letters Patent No. 101,688, dated April 5, 1870.

IMPROVEMENT IN BASE-BURNING STOVES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, ALEXANDER WHITE, of the city of Geneseo, in the county of Henry and State of Illinois, have invented a new and useful Improvement in Heating Stoves and Furnaces:

The nature of my invention consists—

First, in constructing the magazine of a base-burning stove in sections, the lower section or base being movable; and

Second, in providing the stove at or near the lower end of the magazine with a ring or plate so arranged as to prevent the fire from arising in the chamber around the magazine, and at the same time form an opening for admitting air over the top of the fire directly around the mouth or exit of the magazine, so as to form a draught that will carry the fire and heat away from said magazine.

In order that others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings which form a part of this specification, and in which—

Figure 1 is a longitudinal vertical section, and

Figure 2, a side elevation of my stove.

A represents the outershell of a base-burning stove.

B, the fire-pot or chamber, and

C, the ash-box.

D represents the magazine, and

E, the chamber around the same between it and the outer shell A.

The magazine D is made in two sections, the base or lower section D' being movable, that is, it can be raised up from its position when fuel is to be placed in the fire-pot B through the door G.

The lower section D' is conical-shaped and provided with two rods I I, which pass upward through the top of the stove and are connected by the bail J.

The rods I I are notched or otherwise arranged, so that when raised up they can be fastened to hold the base D' up.

Around the lower end of the magazine from the outer shell is a ring or plate, H, which may extend either inward or downward only so as to encircle the lower end of the magazine, stopping a short distance from the same, so as to form an air-passage between said ring or plate and the lower end of the magazine.

On the ring or plate H are placed suitable hooks *a a*, on which the base or lower section D' rests.

The air passes into the chamber E, as shown by arrows in fig. 1, forming a continual current above the plate H around the lower end of the magazine, keeping the same cool. The air then passes down through the passage between the plate and lower end of the magazine preventing the fire from arising in the chamber E.

The air thus admitted over the top of the fire also assists in consuming the gases, which is effectually done by this arrangement, the smoke passing downward around the fire-pot and out through the pipe K.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The magazine of a base-burning stove, when made in sections, the lower section or base being movable, substantially as and for the purposes herein set forth.

2. The movable base or lower section D' of the magazine D constructed and arranged substantially as and for the purposes herein set forth.

3. In combination with the movable base D', the rods I I and bail J, substantially as and for the purposes herein set forth.

4. The ring or plate H, constructed and arranged with reference to the lower end of the magazine, substantially as and for the purposes herein set forth.

ALEXANDER WHITE.

Witnesses:

HENRY WHITE,

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