

(No Model.)

I. BROOKE.
HOT AIR ATTACHMENT FOR STOVES.

No. 531,502.

Patented Dec. 25, 1894.

Fig. 1.

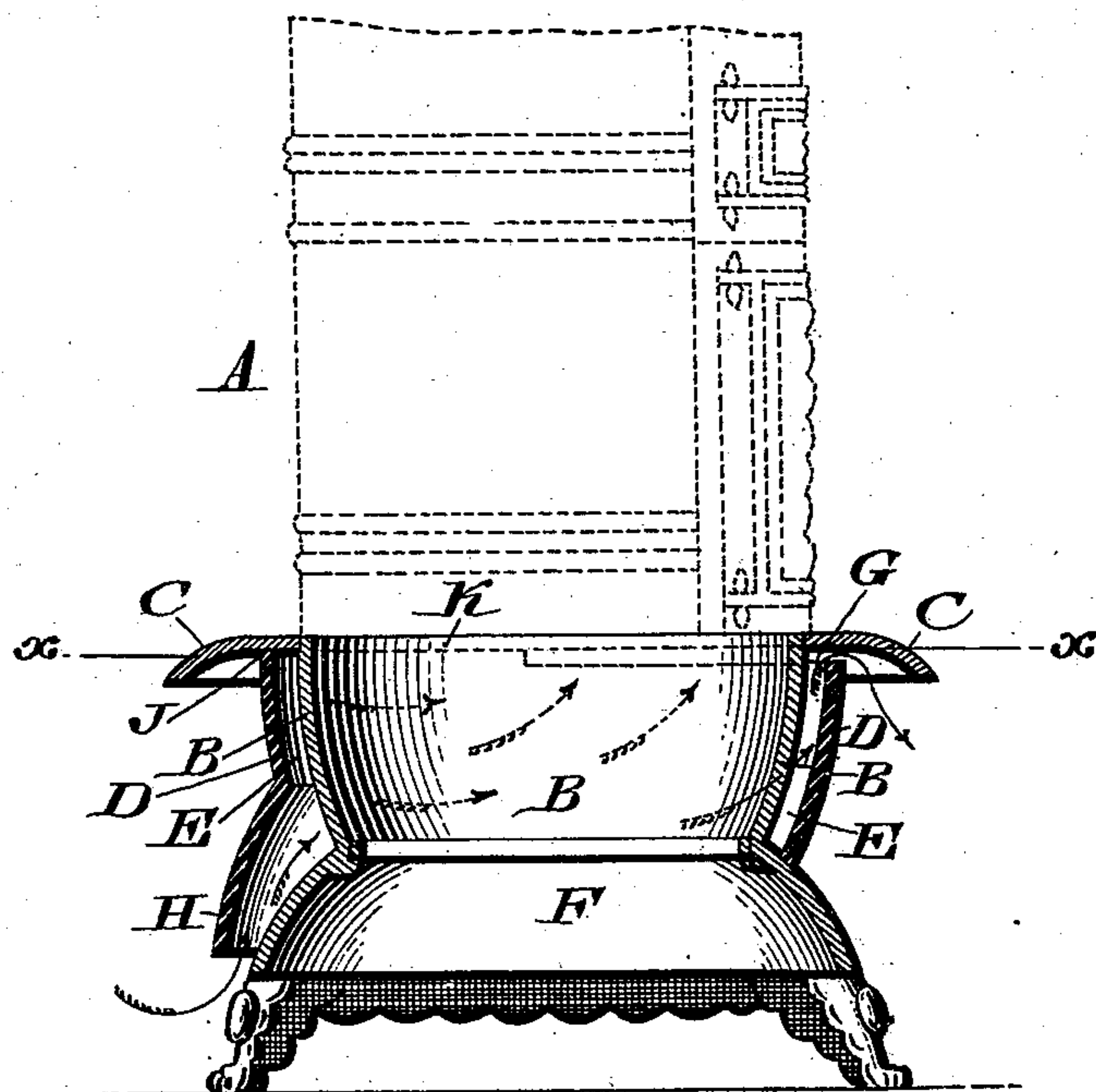
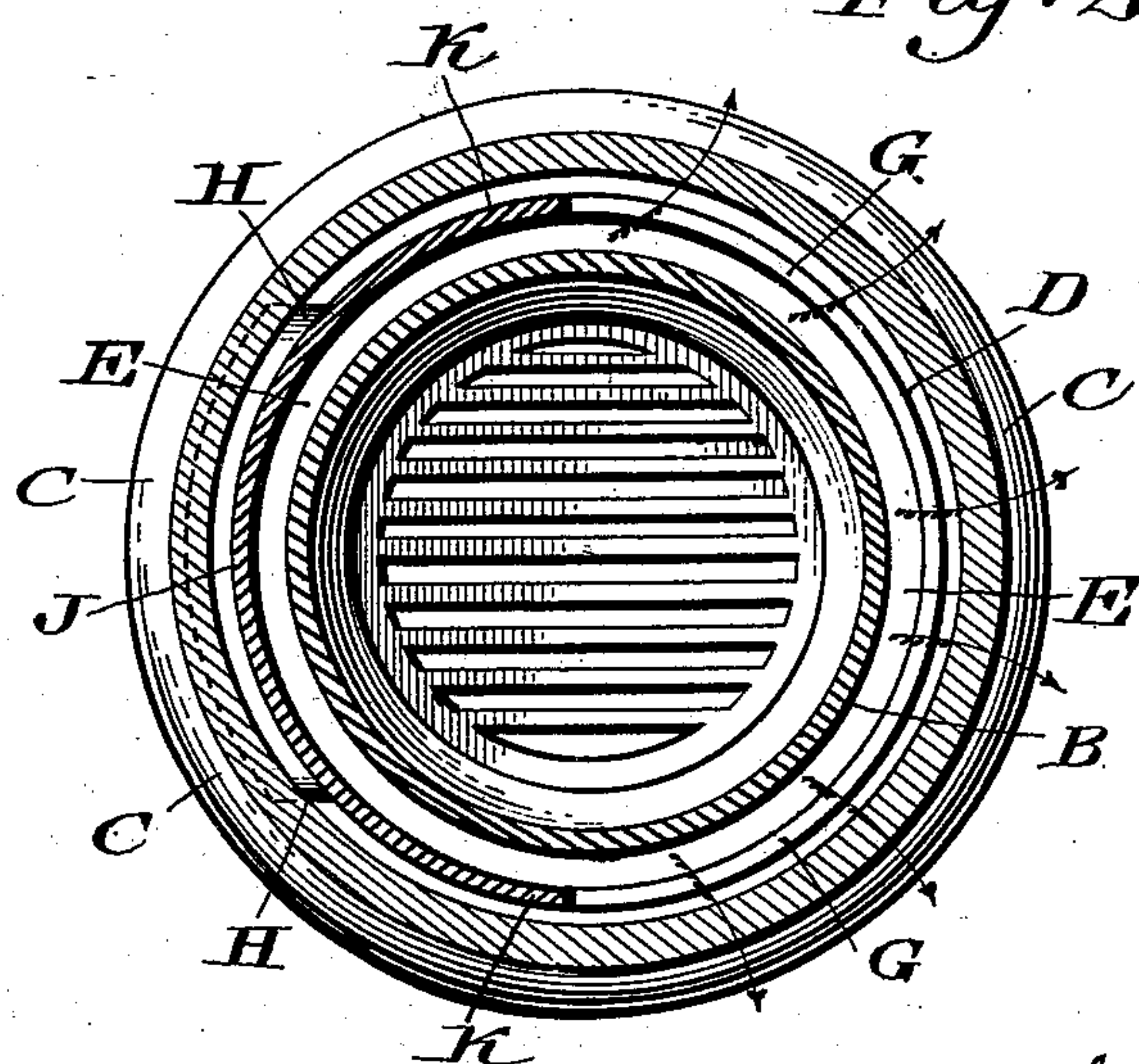


Fig. 2.



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HOT-AIR ATTACHMENT FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 531,502, dated December 25, 1894.

Application filed August 6, 1894. Serial No. 519,527. (No model.)

To all whom it may concern:

Be it known that I, ISAAC BROOKE, a citizen of the United States, residing at Pottstown, in the county of Montgomery, State of Pennsylvania, have invented a new and useful Improvement in Hot-Air Attachments for Stoves, which improvement is fully set forth in the following specification and accompanying drawings.

10 My invention consists of an attachment to a stove, constructed to direct air to the exterior of the cylinder or fire-pot, and then eject or discharge the same therefrom in heated condition, as will be hereinafter set forth.

15 Figure 1 represents a central vertical section of a hot air attachment to a stove embodying my invention. Fig. 2 represents a horizontal section on line *x, x*, Fig. 1.

20 Similar letters of reference indicate corresponding parts in the two figures.

Referring to the drawings: A designates a heating stove, which excepting the feature of my invention applied thereto is of usual construction.

25 B designates the cylinder or fire-pot, and C the circumferential rim, in the present case constituting a deflector as will be hereinafter more fully explained.

30 D designates a jacket which incloses the fire-pot, and is separated therefrom, forming an air-receiving chamber E the lower portion of said jacket closing on the ash pit or base F, and the upper portion being separated from the rim C, leaving the discharge passage G.

35 Projecting from the jacket D is a spout or nozzle H, which is open to the atmosphere and leads to the chamber E, whereby air may be directed into the latter, said nozzle in the present case being at the rear of the stove.

40 It will be seen that when air enters the chamber E, it is heated by contact with the exterior of the fire-pot, and escapes in hot condition through the passage G, and is deflected by the rim C into the apartment, it being evident that I provide a simple, inexpensive and convenient manner of producing an additional supply of hot air from a heating stove which may be of ordinary form and
50 construction, and direct the same from the stove, so as to be admirably adapted for warming feet but to this use I do not limit myself.

In order to prevent the heat from being expelled or discharged at the back of the stove or jacket, the upper end of the rear portion 55 of the jacket is extended upwardly above the discharge passage G, forming the wall J which abuts against the under side of the rim or deflector C, and thus closes said passage at the rear, said wall being also extended to the 60 sides of the fire-pot as at K, so that the hot air may be expelled in the main at the front of the fire-pot or stove.

The inner wall of the nozzle H is removed, and the same is supplied by the wall of the 65 ashpit or base F, thus simplifying, lightening and cheapening the construction of the attachment.

Having thus described my invention, what I claim as new, and desire to secure by Letters 70 Patent, is—

1. In a hot air attachment for a stove, a jacket adapted to inclose the fire pot of the stove, so as to leave an air chamber between the same and said pot, and having a depending portion, forming with the wall of the ash 75 pit of the stove an air-supply nozzle, said parts being combined substantially as described.

2. A stove with a circumferential rim in 80 combination with a jacket forming a chamber between the fire pot of the stove, the lower portion of one side of the jacket being extended, forming with the wall of the ash pit of the stove, an air-supply nozzle, the remainder of the lower edge of the jacket being 85 closed on the stove, and an outlet passage existing between said jacket and rim, said parts being combined substantially as described.

3. A jacket adapted to surround a fire-pot 90 of a stove, and having an air supply nozzle, the chamber between said jacket and pot being closed at bottom, and having a discharge passage at top, a portion of the wall of said 95 jacket extending above said passage and closing against the rim or deflector of the stove above said fire-pot, the parts being combined substantially as described.

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Witnesses:

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