

(No Model.)

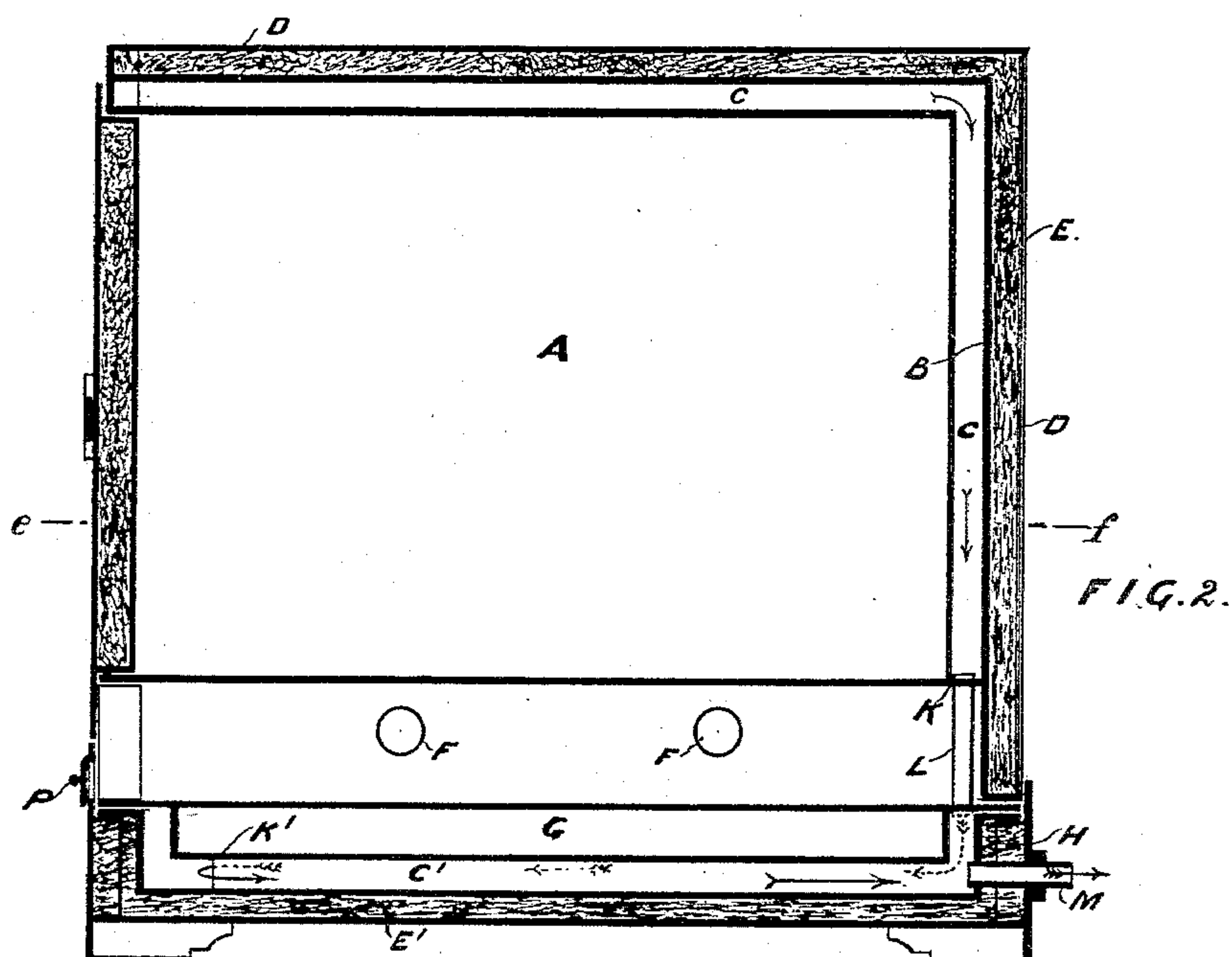
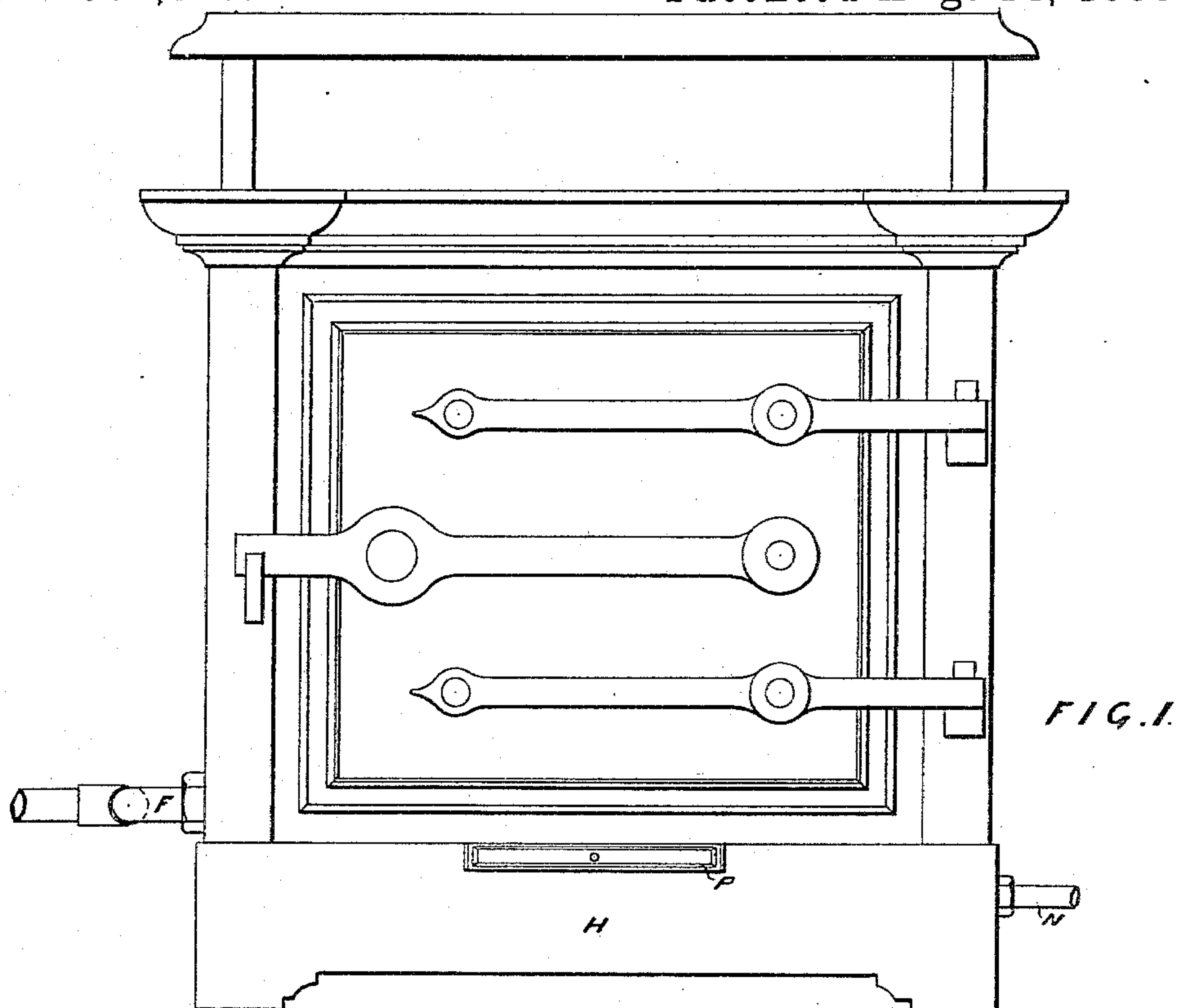
2 Sheets—Sheet 1.

J. GALLI.

GAS STOVE FOR DOMESTIC PURPOSES.

No. 387,870.

Patented Aug. 14, 1888.



Witnesses,

Geo. W. Rea

Robert G. Smith.

Inventor,

James Galli.

By James L. Norris, atty.

(No Model.)

2 Sheets—Sheet 2.

J. GALLI.

GAS STOVE FOR DOMESTIC PURPOSES.

No. 387,870.

Patented Aug. 14, 1888.

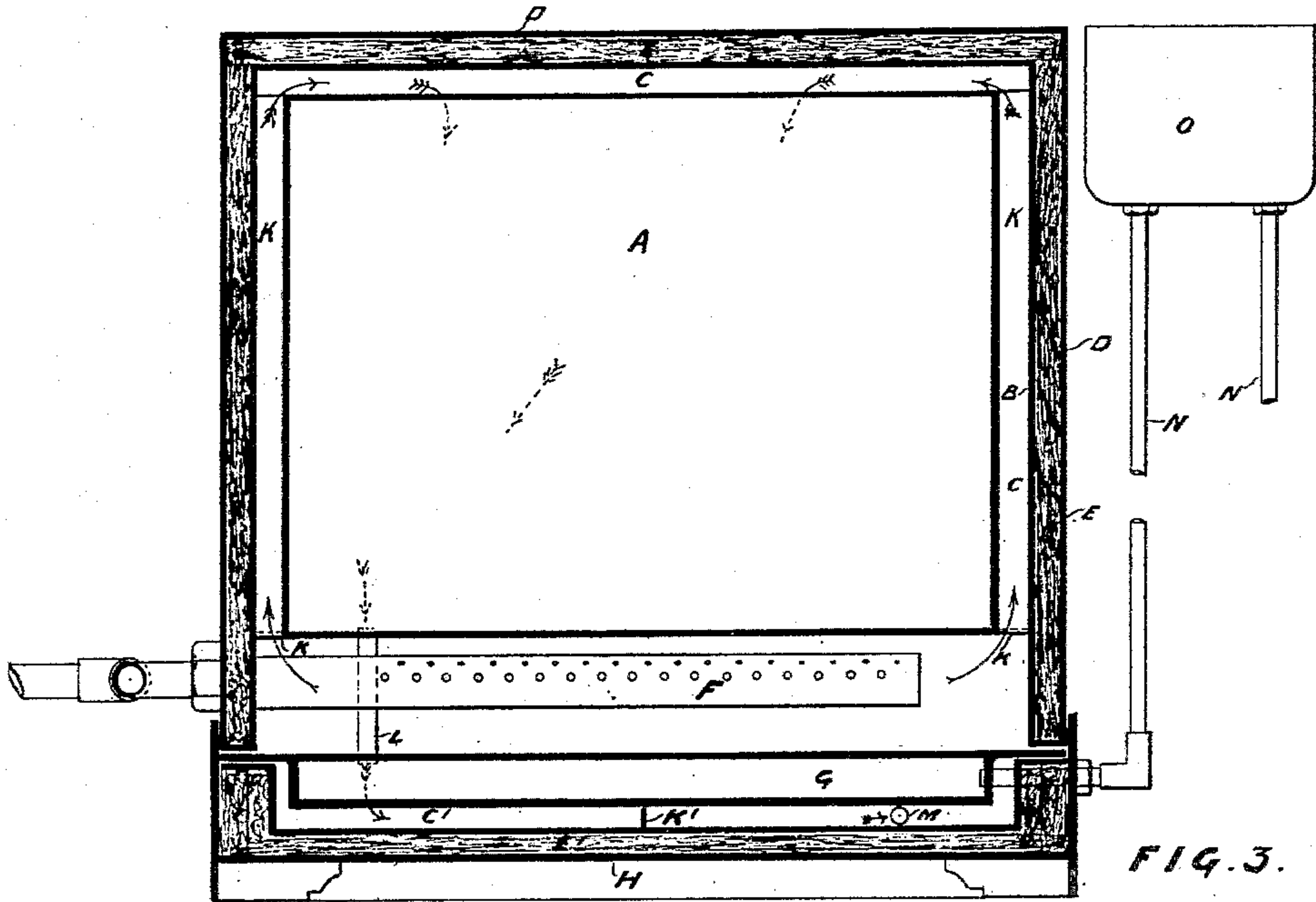


FIG. 3.

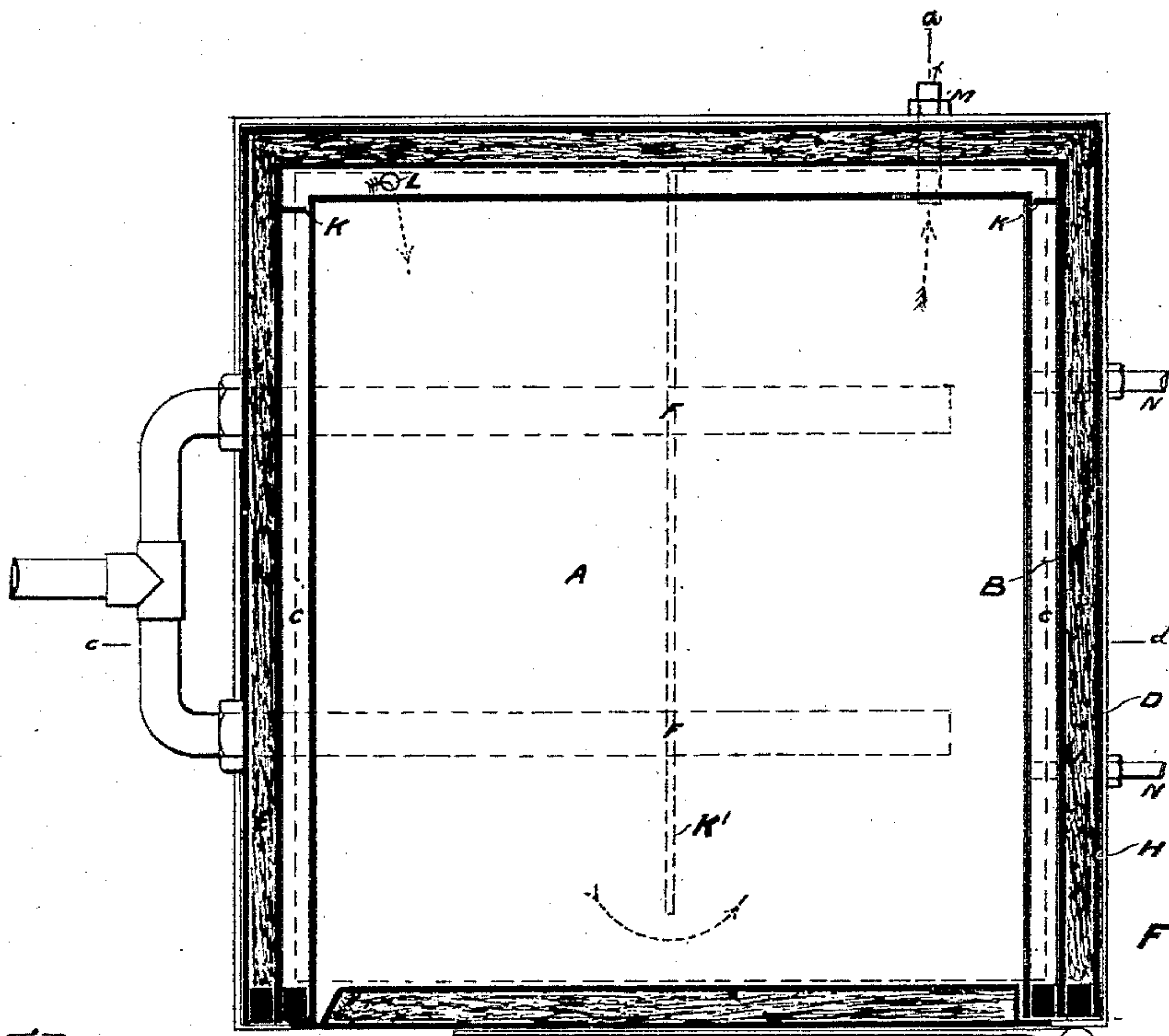


FIG. 4.

Witnesses

Geo. H. Rea

Robert Everett

Inventor.

James Galli

By James L. Norris
att'y.

UNITED STATES PATENT OFFICE.

JAMES GALLI, OF LEEDS, COUNTY OF YORK, ENGLAND.

GAS-STOVE FOR DOMESTIC PURPOSES.

SPECIFICATION forming part of Letters Patent No. 387,870, dated August 14, 1888.

Application filed July 12, 1887. Serial No. 244,104. (No model.) Patented in England June 22, 1887, No. 8,876.

To all whom it may concern:

Be it known that I, JAMES GALLI, a subject of the Queen of Great Britain and Ireland, and a resident of Leeds, in the county of York, England, have invented new and useful Improvements in Gas-Stoves for Domestic Purposes, (for which I obtained Letters Patent in Great Britain June 22, 1887, No. 8,876,) of which the following is a specification.

10 This invention relates to certain new and useful improvements in gas-stoves; and it consists in the construction and arrangement of parts hereinafter fully described, and then specifically pointed out in the claim, due reference being had to the accompanying drawings, wherein—

Figure 1 is a front elevation of a gas-stove constructed in accordance with my invention; Fig. 2, a section taken on the line *a b*, Fig. 4; 20 Fig. 3, a section taken on the line *c d*, Fig. 4; Fig. 4, a section taken on the line *e f*, Fig. 2.

Referring to the drawings, the letter A indicates the oven of the stove, consisting of a sheet-metal box or chamber surrounded by an 25 outer casing, D, in such manner as to leave an air-space, C, around said oven. The casing D is composed of double walls having a filling, E, of asbestos or other non-conductor of heat. In the space C between the oven A and the 30 casing D, I arrange vertical partitions K K, (see Figs. 3 and 4,) said partitions being placed on each lateral side and near the rear of the oven A. The casing D rests upon a base, H, composed of double walls filled with a non- 35 conductor of heat, E', similar to the casing D.

G indicates a boiler, consisting of a rectangular metal chamber supported upon or within

the base H in such manner that there is a space, C', between the lower side of said boiler and the base H, and said space is divided into 40 two compartments by the partition K'.

F F indicate the gas-burners.

L indicates a pipe connecting the space C at the rear of the oven with the space C'.

O indicates a reservoir for containing water, 45 said reservoir being connected with the boiler G by means of pipes N N.

P indicates a door for affording access to the burners F F, and for supplying air thereto.

In operation the heat and products of combustion will pass from the burners F F up the 50 two sides of the oven A, thence over the top and down the rear thereof, thence through the pipe L into one end of the compartment C' and around the partition K', from whence it will 55 escape through the exit-pipe M. The heat in its passage thus through the stove passes around both sides, the top, and the rear of the oven, and underneath the boiler G.

Having thus described my invention, what I 60 claim is—

In combination with the oven A and casing D, having the space C between them, the base H, the boiler G, located therein, and having the space C' between the base and the bottom of the boiler, and the pipe L, connecting 65 the space C to the space C', substantially as shown and described.

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

JAMES GALLI.

Witnesses:

I. S. CRITCHLEY,
E. W. STOCKS.