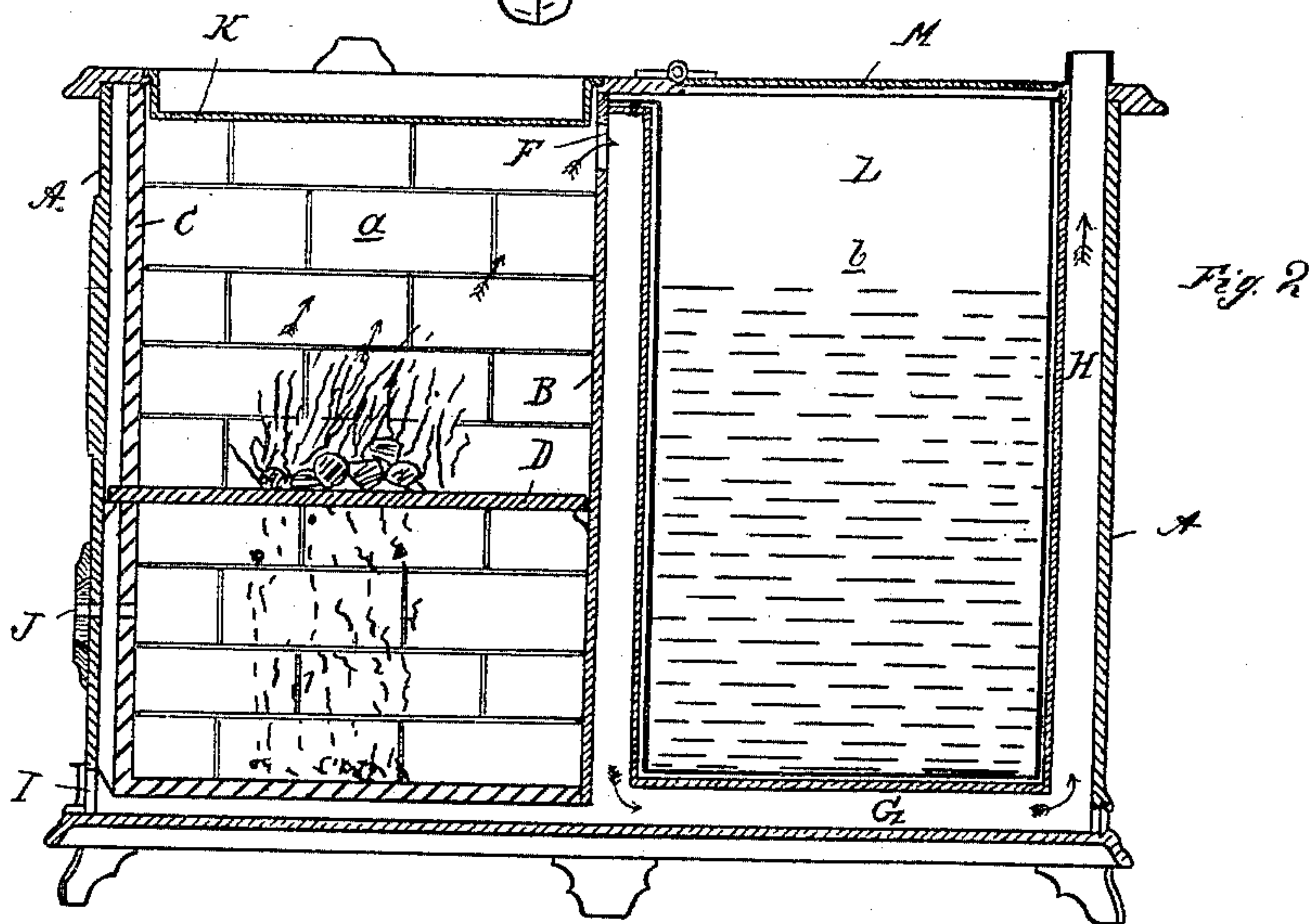
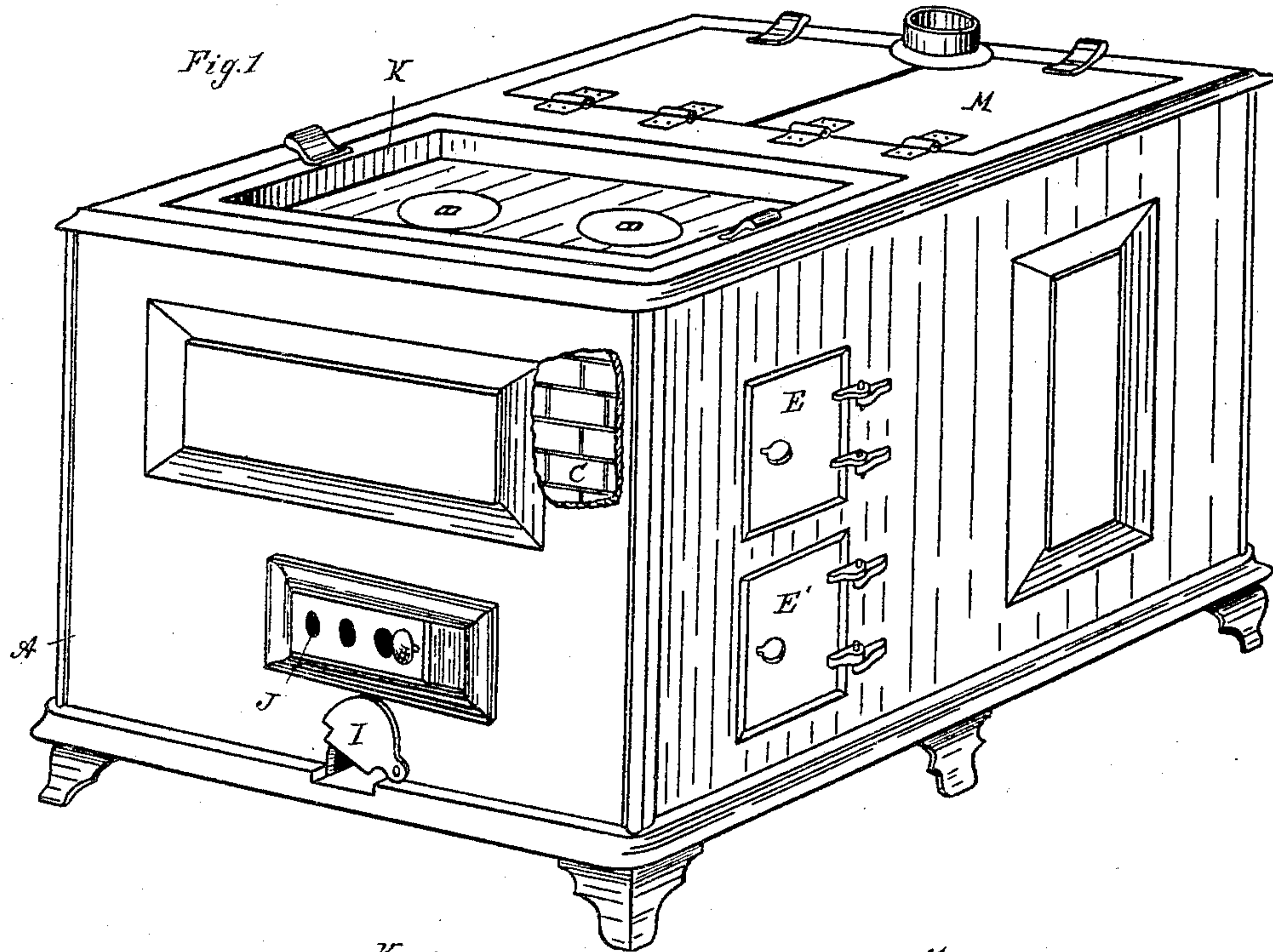


(No Model.)

F. J. MOELLER.
LAUNDRY STOVE.

No. 327,706.

Patented Oct. 6, 1885.



Attest:
John Schuman.
W. Sprague

Inventor:
Friederich Julius Moeller.
by his Atty
Thos. L. Sprague

UNITED STATES PATENT OFFICE.

FRIEDRICH JULIUS MOELLER, OF EAST SAGINAW, MICHIGAN.

LAUNDRY-STOVE.

SPECIFICATION forming part of Letters Patent No. 327,706, dated October 6, 1885.

Application filed March 18, 1885. Serial No. 159,322. (No model.)

To all whom it may concern:

Be it known that I, FRIEDRICH JULIUS MOELLER, of East Saginaw, in the county of Saginaw and State of Michigan, have invented
5 new and useful Improvements in Laundry-Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this
10 specification.

The nature of this invention relates to certain new and useful improvements in laundry-stoves; and the invention consists in the peculiar construction and arrangement of the
15 parts, whereby a large amount of radiating-surface is obtained for heating the reservoir and preventing the radiation into the apartment where the stove is used, all as more fully hereinafter set forth.

20 Figure 1 is a perspective view of my improved stove. Fig. 2 is a central vertical section from front to rear.

In the accompanying drawings, which form a part of this specification, A represents the
25 outer wall or shell of my stove, provided with the central partition, B, separating the case or shell into two compartments, *a b*, in the former of which is located the fire-chamber and ash-box, and in the latter a water-res-
30 ervoir, as hereinafter set forth.

The front, sides, and bottom of the chamber *a* are lined with brick C, leaving an air-space between them and the outer case to prevent as much as possible radiation of heat.
35 The chamber or compartment *a* is provided with a suitable grate, D, upon which the fire is built; and it is also provided with a door, E, by means of which communication is had for inserting fuel into the fire-box, and a similar door, E', through which communication is
40 had with the ash-pit. The partition B serves as the back plate of the fire-box and ash-pit. Upon the rear face of this plate or partition B is found the diving-flue F, which communicates with a horizontal flue, G, extending
45 entirely across the bottom of the stove and communicating at the rear with a rising flue, H, the upper end of which is provided with a suitable collar to receive a stove-pipe. The
50 front end of the flue G is closed by a check damper or slide, I, above which is a slide-damper, J, communicating with the ash-pit below the grate for regulating the draft. The

top of the fire-chamber is closed by a removable well, K, in which to heat sad-irons, and
55 this well may be provided with one or more holes and griddles, so that various culinary vessels may be used for cooking or other purposes, as desired.

In the compartment *b*, I place a water-res-
60 ervoir, L, of any suitable sheet metal, and this reservoir I close with a suitable cover or lid, M.

In practice, a fire being built, the smoke and products of combustion find exit through
65 an opening in the plate B to the diving-flue F, thence to the flue G, and thence to the stove-pipe and chimney through the flue H at the rear. If it is desired to check the draft more than can be done by closing the damper
70 J, the check damper or slide I should be opened, thus creating a draft through the flue G to the exit, which would, if allowed to remain open for any length of time, cause the
75 fire to go out.

By lining the chamber *a* with brick upon
its bottom and three sides the greater part of the heat generated is radiated through the
back plate, and thus rapidly assists in heating the water contained in the reservoir, 80
which heating is still further enhanced by the radiation from the flues which pass down upon two sides and across the bottom of the reservoir.

I am aware of the Patents Nos. 25,573, 85
83,086, and 156,712, and make no claim to the constructions shown therein as forming part of my invention. I attach importance to my check-damper I, by means of which
90 the draft can be regulated as desired.

What I claim as my invention is —

In a stove of the character described, the combination of the outer inclosing-case with the chamber *b*, and the chamber *a*, provided
95 with damper J, the flue F between said chambers, the horizontal flue G beneath the chamber *b*, the vertical flue H, and the extension of the flue G beneath the chamber *a*, of the check-damper I, arranged beneath the said
damper J and closing the front end of the ex- 100
tension of the flue G, substantially as described.

FRIEDRICH JULIUS MOELLER.

Witnesses:

H. S. SPRAGUE,
E. J. SCULLY.