

D. STUART.
Cooking Stove.

No. 99,969.

Patented Feb. 15, 1870.

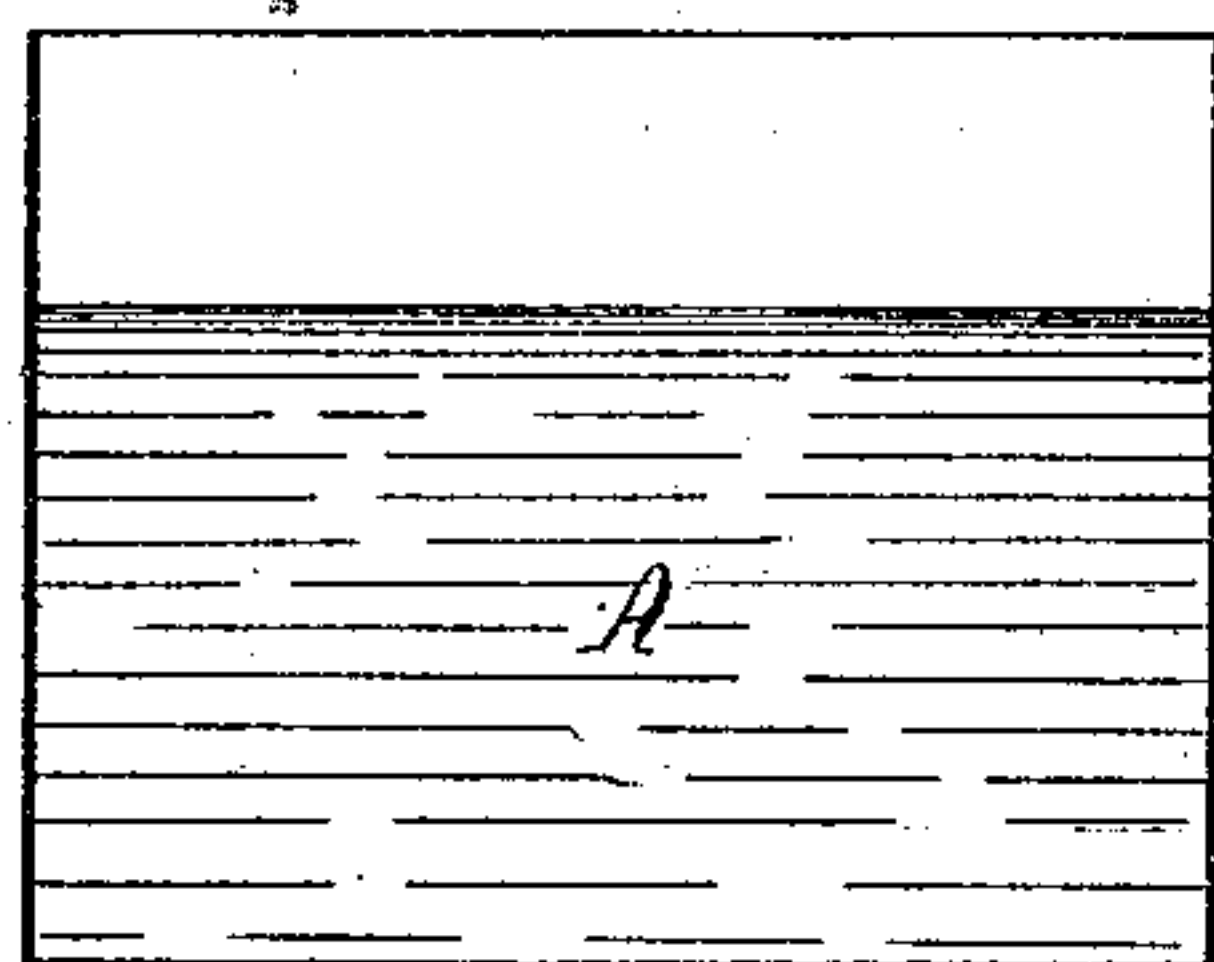
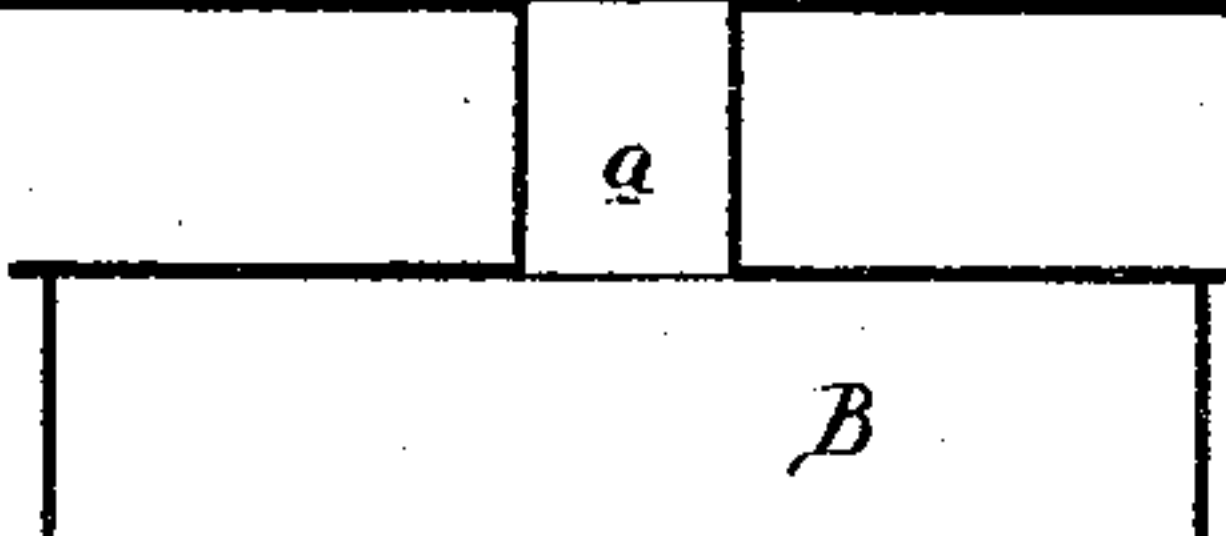
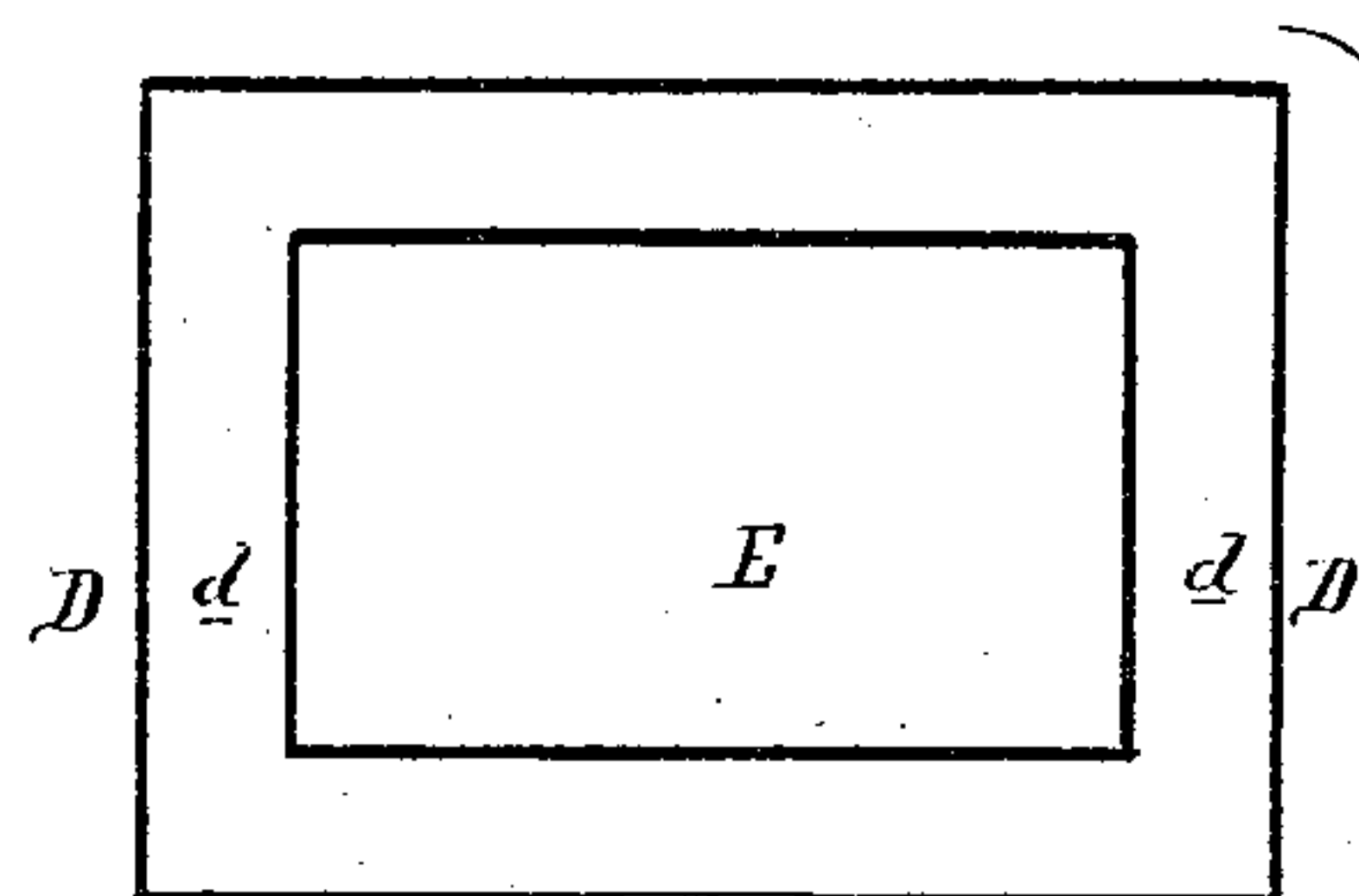


FIG. 1.

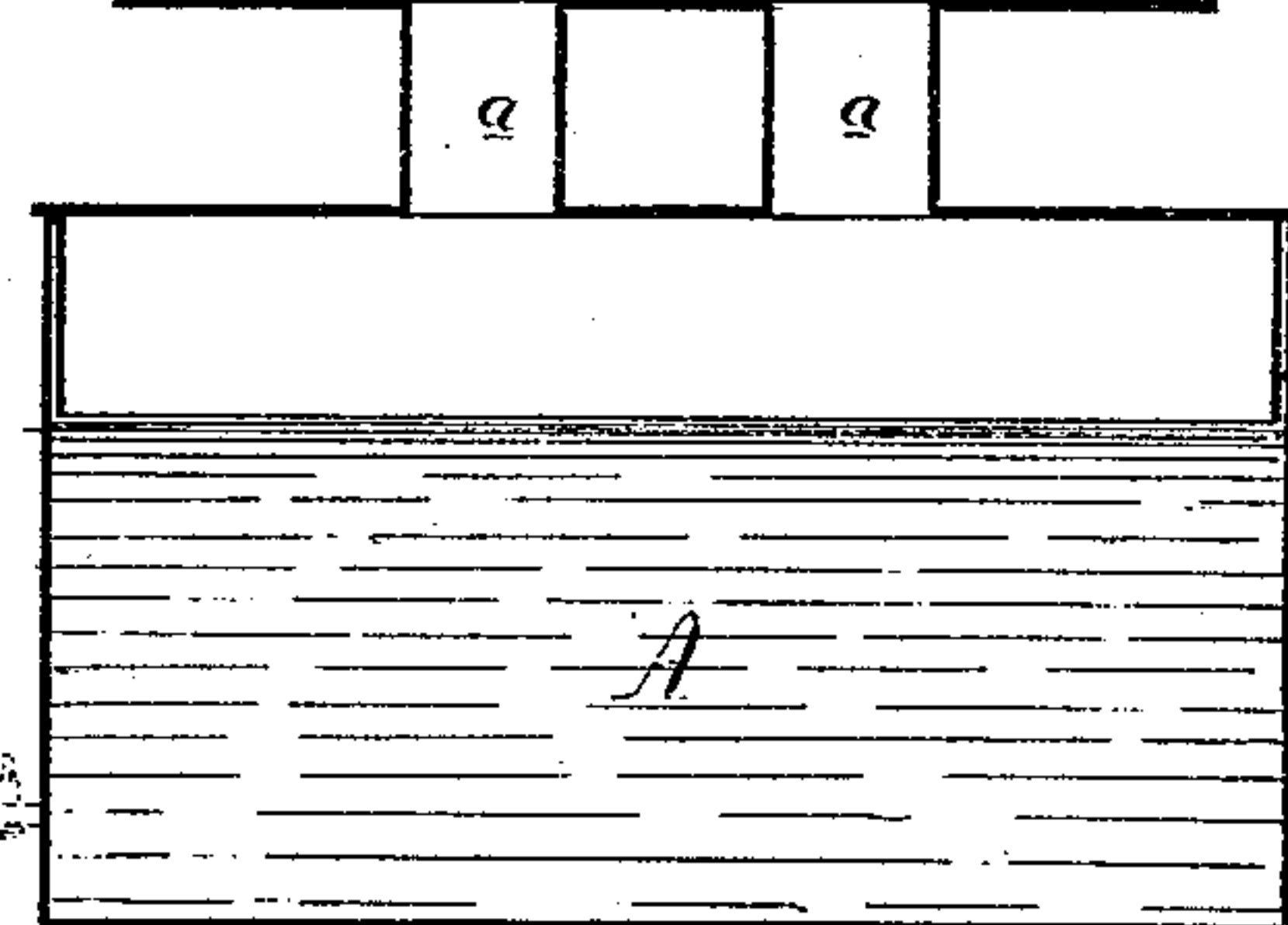
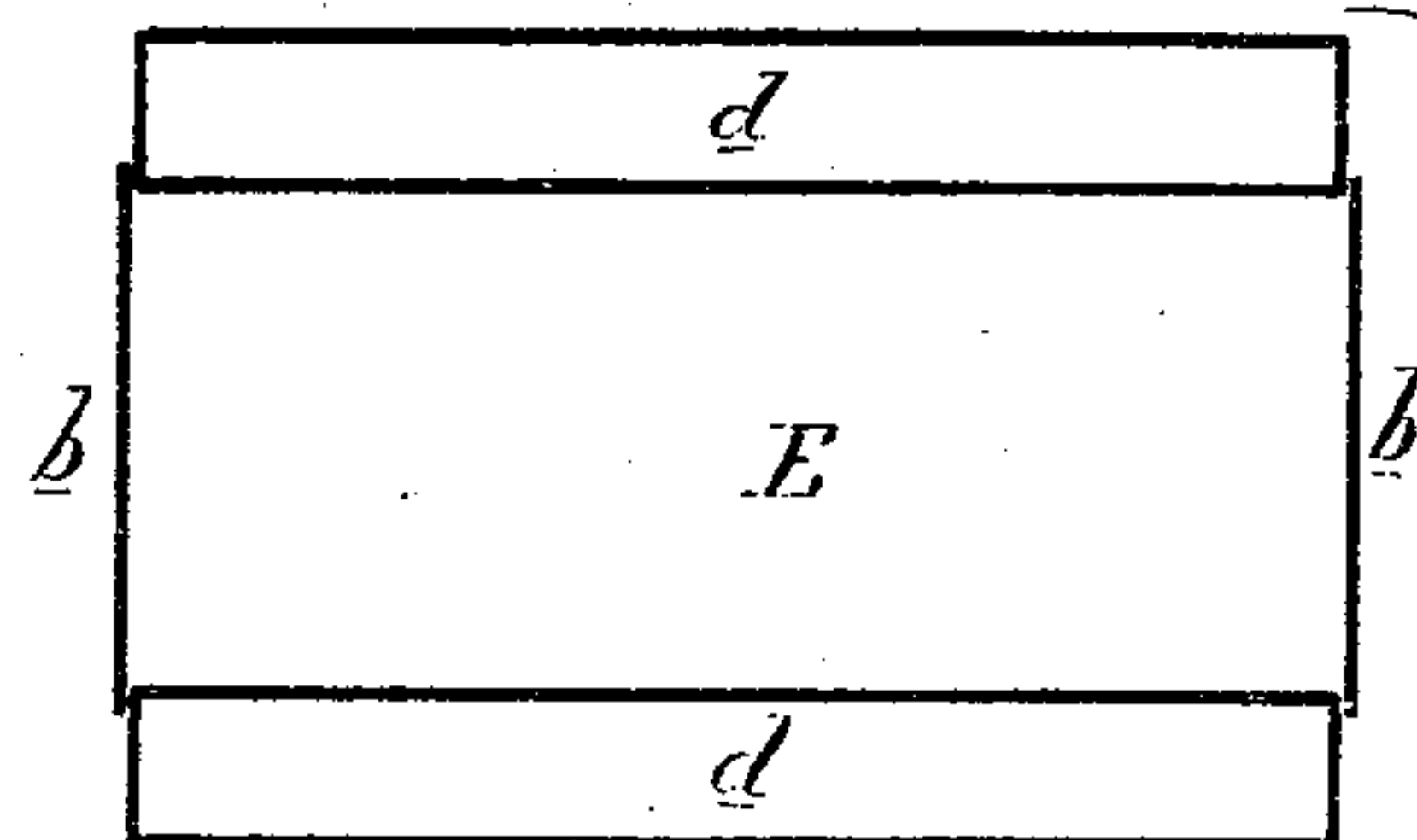


FIG. 2.

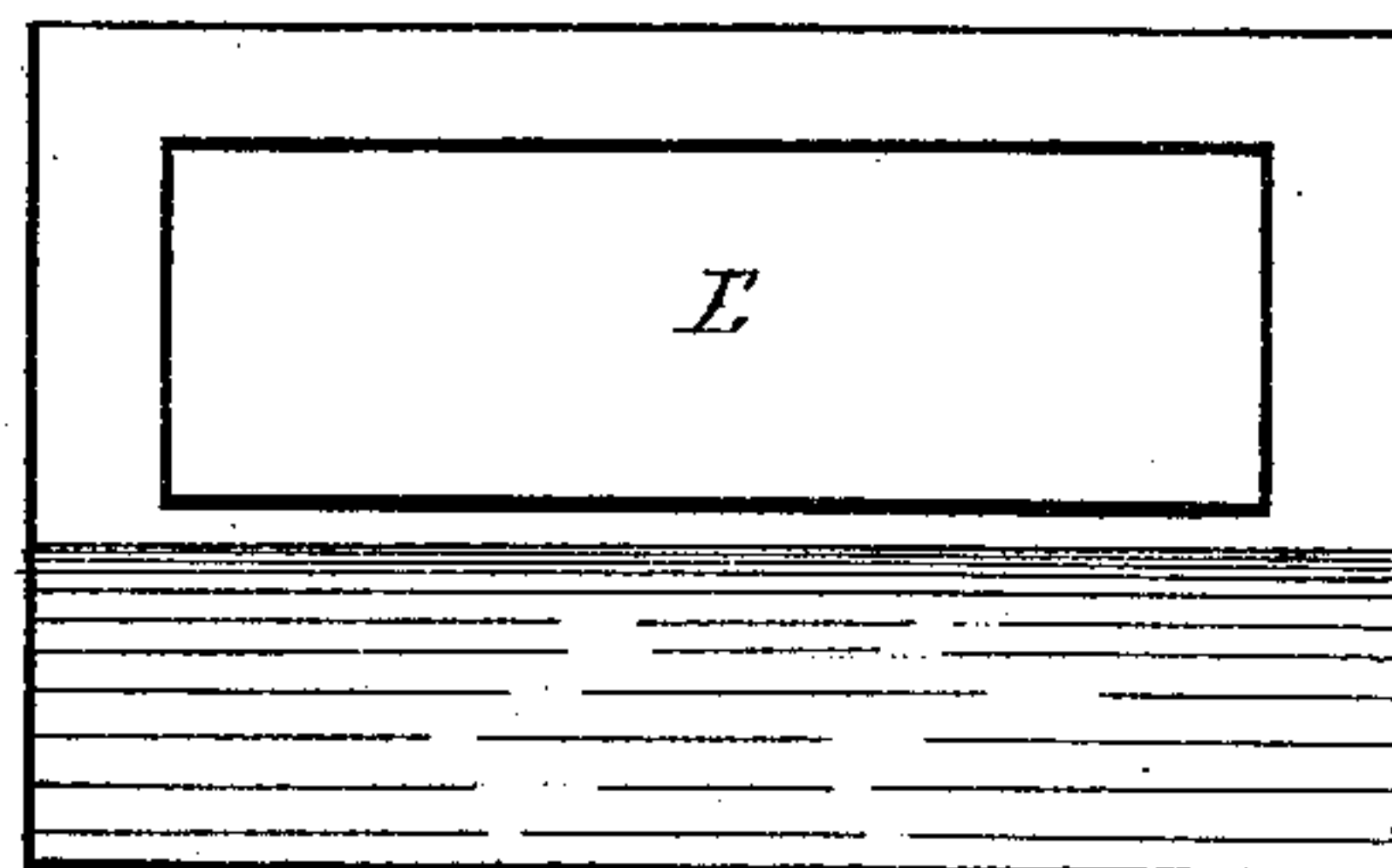


FIG. 3.

WITNESSES,
Wm. A. Steel.
Jno. B. Harding.

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By his attys.
Hudson & Co.

United States Patent Office.

DAVID STUART, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 99,969, dated February 15, 1870.

IMPROVEMENT IN COOKING-STOVES.

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

I, DAVID STUART, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented a Combined Boiler and Oven for Cooking-Stoves and Ranges, of which the following is a specification.

Nature and Object of the Invention.

My invention consists of the combination, substantially as described hereafter, of an oven with the boiler of a cooking stove or range, the said oven being heated by the steam generated in the boiler and serving to keep articles of diet warm without subjecting them to excessive heat.

Description of the Accompanying Drawing.

Figure 1 is a vertical section of my improved attachment to the boilers of cooking-stoves and ranges; Figure 2, a transverse section of the same; and Figure 3, a vertical section showing a modification of my invention.

General Description.

In figs. 1 and 2 A represents in section the oblong detachable boiler which usually accompanies a cooking-stove or range.

Instead of being furnished with the usual lid, however, a deep flanged cover, B, is fitted to the upper end of the boiler, and to this cover is connected, by any desired number of short tubes *a a* (two being shown in the present instance,) a vessel, D, containing an oven, E, which extends entirely through the said vessel and is furnished at each end with a door, *b*, as best observed on reference to fig. 2.

The vessel A may be nearly filled with water, from which when heated steam will rise through the tubes *a a* and pervade the space *d* which intervenes between the vessel D and its oven E, so that a gentle heat will be imparted to the said oven and its contents, the heat sufficing to keep articles of diet warm without injuring the same by additional cooking.

The steam which enters the space *d* will be condensed and returned to the boiler through the tubes *a a*.

The boiler may be furnished with an ordinary faucet, shown by dotted lines in fig. 2, for drawing off the hot water from the boiler.

It is not absolutely necessary in carrying out my invention that the vessel D containing the oven should be connected to the boiler by tubes *a a*. In fig. 3, for instance, the oven E is arranged in and forms a part of the boiler itself.

Claim.

The combination, substantially as described, of an oven with the boiler of a cooking-stove or range.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID STUART.

Witnesses:

A. H. PERKINPINE,
J. HOWARD REVILLE.