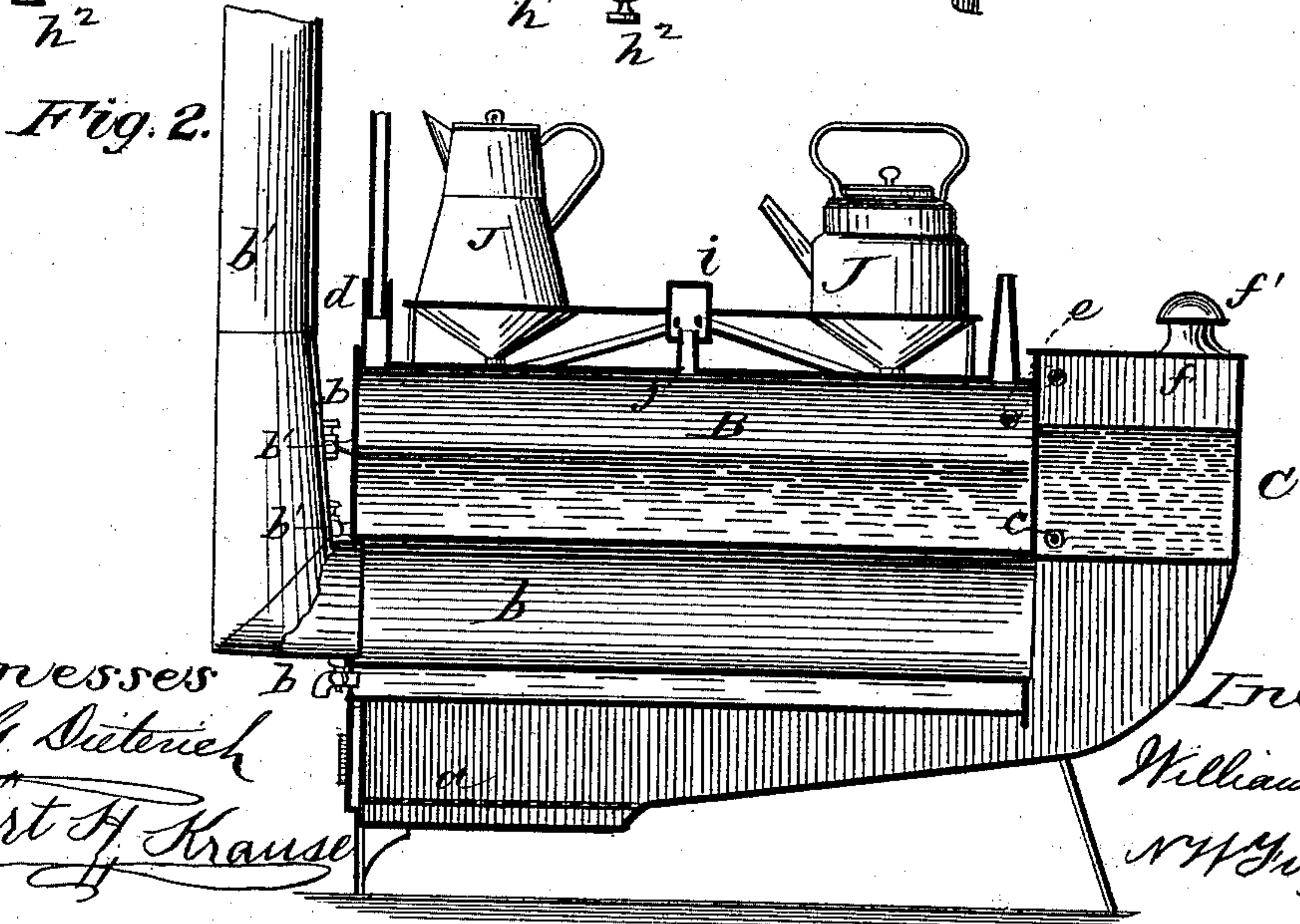
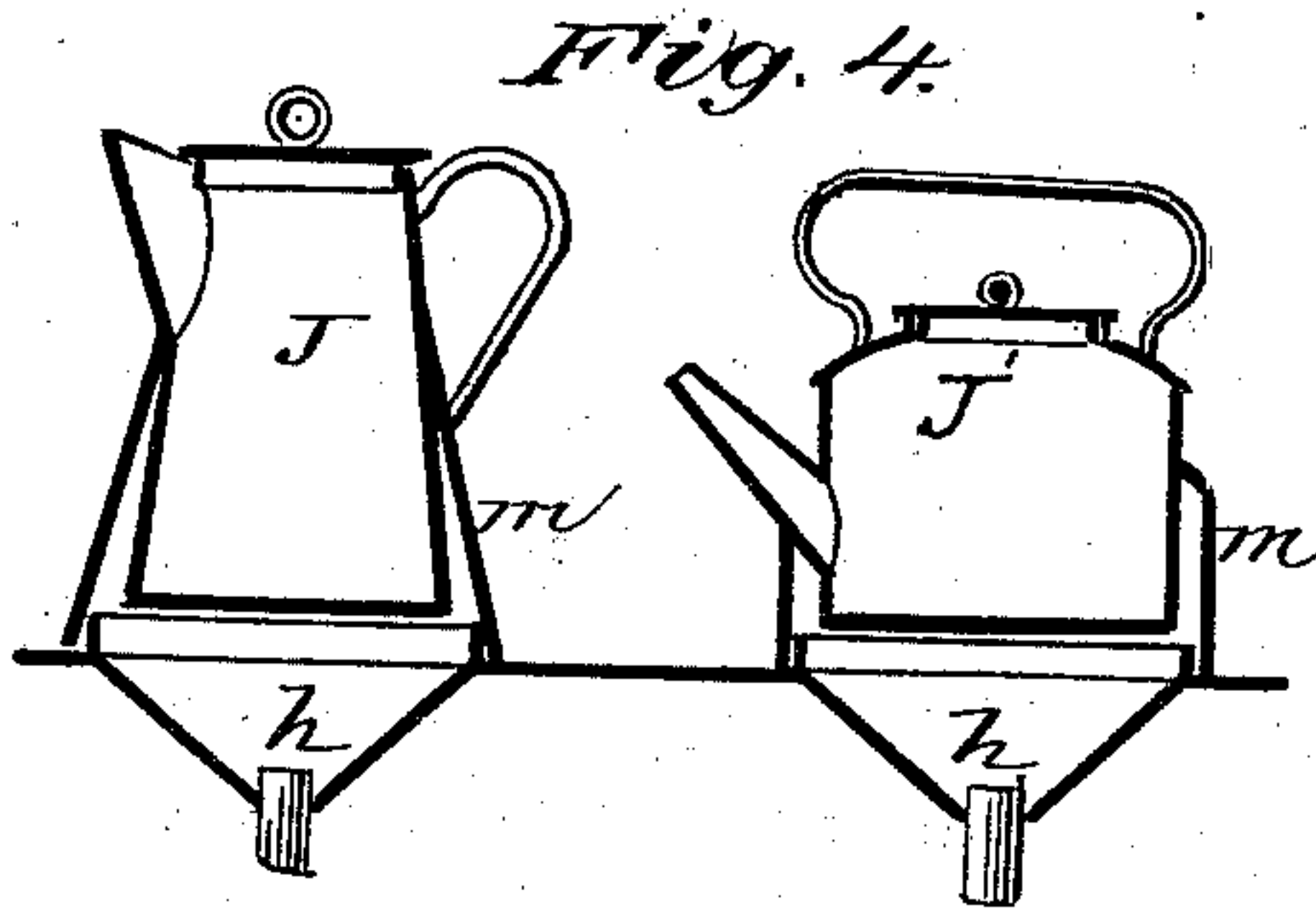
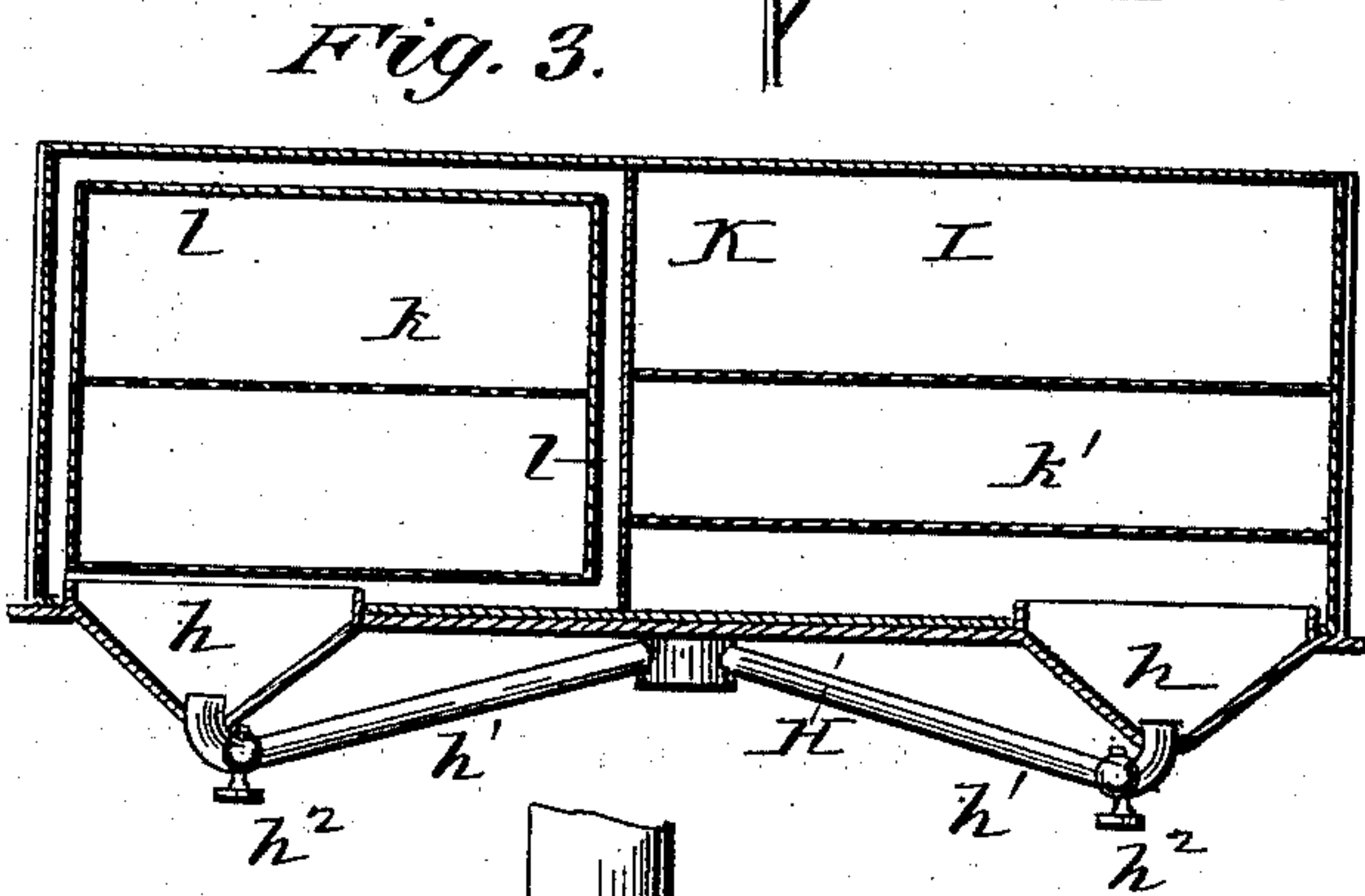
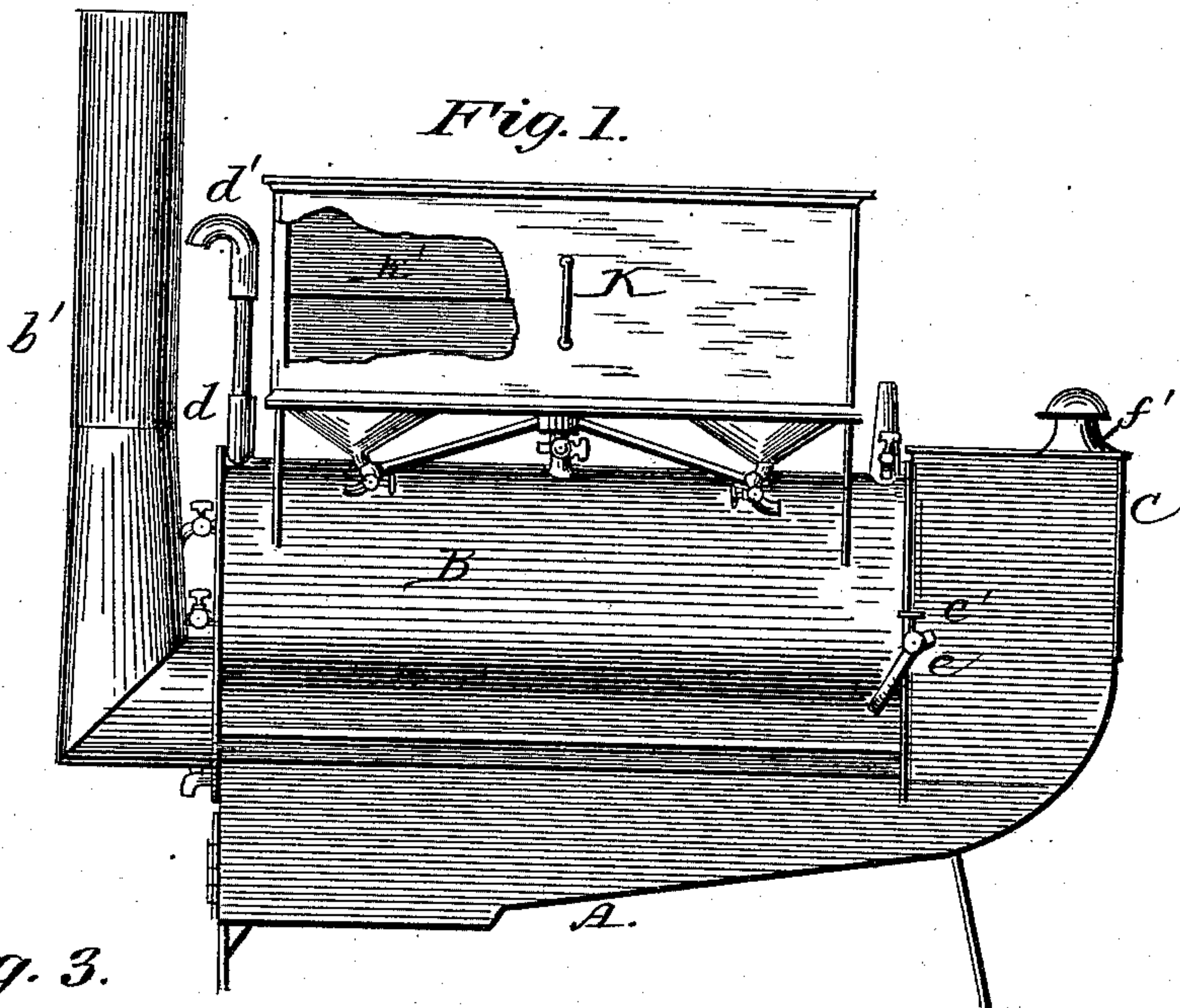


W. COLLINGS.
Steam Feed-Cooker.

No. 222,017.

Patented Nov. 25, 1879.



Witnesses
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WILLIAM COLLINGS, OF AFTON, IOWA.

IMPROVEMENT IN STEAM FEED-COOKERS.

Specification forming part of Letters Patent No. **222,017**, dated November 25, 1879; application filed August 30, 1879.

To all whom it may concern:

Be it known that I, WILLIAM COLLINGS, of Afton, in the county of Union and State of Iowa, have invented certain new and useful Improvements in Steam Feed-Cookers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being made to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a side view; Fig. 2, a longitudinal vertical section. Fig. 3 is a longitudinal vertical section of a cooking-table and a baking and steaming oven applied thereto; Fig. 4, vertical sections of a tea-kettle and coffee-pot.

This invention relates to certain new and useful improvements in an apparatus having attachments whereby it is adapted for cooking feed for stock, and for domestic, hotel, and laundry uses; and the invention consists in the general construction, combination, and arrangement of parts, all as will be hereinafter fully described, and specifically pointed out in the claims.

To enable others skilled in the art to which my invention is most nearly connected to make and use it, I will now proceed to describe its construction and operation.

In the drawings, A represents the furnace, and B the boiler, having a flue, *b*, through it, and a combustion-flue, *b'*, connected therewith, whereby the heat passes to the rear of boiler, and thence back through the flue *b*, by which surface heat under and through the boiler is obtained. C represents a water-tank located at or on the rear part of furnace for supplying the boiler with hot water, and which passes from the tank to the boiler through a pipe, *c*, located at or near the bottom of the tank, controlled by a stop-cock, *c'*. *e* represents a pipe controlled by a stop-cock, forming a communication between the boiler and water-tank near the top, whereby, when water is admitted to the boiler from the tank through pipe *c*, steam can be admitted from the boiler to the tank through pipe *e*, thus equalizing the pressure without stopping the cooking of the feed, or lessening or wasting the head of steam.

The tank is provided with an opening, *f*,

through the top thereof, closed by a screw-cap, *f'*, for supplying water to the tank, and which opening should be left open, except when feeding water to the boiler.

The boiler is provided with the usual water-gages and safety-valve, for permitting the escape of unnecessary or surplus steam, and also a pipe or nozzle, *d*, for attaching the hose *d'*, that conveys the steam to the receptacle containing the feed to be cooked.

H represents a cooking-table adapted to be placed on top of the boiler B, said table being provided with a series of cooking-holes, *h*, over which can be placed a baking and steaming oven, I, a coffee-pot, J, and tea-kettle *J'*. *h'* represents a series of pipes controlled by stop-cocks *h²*, for conveying the steam from a pipe, *i*, to the cooking-holes. The pipe *i* is centrally secured to the under side of the table H, and fits snugly over a nozzle, *j*, on the boiler, controlled by a stop-cock, by which the steam from the boiler can be conveyed to the cooking-table.

K represents an oven divided into two compartments, *k k'*, the compartment *k* having double walls, with a steam-space, *l*, so that the steam will pass around the outside of the inner wall and give sufficient heat to do the baking. The compartment *k'* forms a steaming-oven, so that articles placed therein can be cooked by the direct action of the steam.

The tea-kettle and coffee-pot, and other articles in which water is heated, should be provided with a jacket, *m*, around them, so that when placed over the holes in the table the steam will pass around them, giving sufficient heat for the purpose intended.

By means of the above-described attachments a full line of cooking can be done, while the hose *d'* can be utilized for conveying steam for cooking feed for stock, or to the laundry, or for any other purpose where steam can be utilized.

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

1. The combination, with the furnace A, of the boiler B, having the combustion-flue *b* running lengthwise through it, the water-tank C, arranged in rear of the boiler and over the rear end of the furnace, and the pipes *c e*, forming

communications between said boiler and tank near the tops and bottoms thereof, substantially as herein shown and described.

2. The table H, provided with suitable supports and a series of cooking-holes, h , pipe i , and branch pipes h' , leading from pipe i to the cooking-holes, in combination with the boiler B, having pipe j , substantially as and for the purpose herein shown and described.

3. The baking and steaming oven K and

the cooking-table provided with suitable supports and cooking-holes and pipes $h' i$, in combination with the boiler B, having pipe j , substantially in the manner herein shown and described.

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