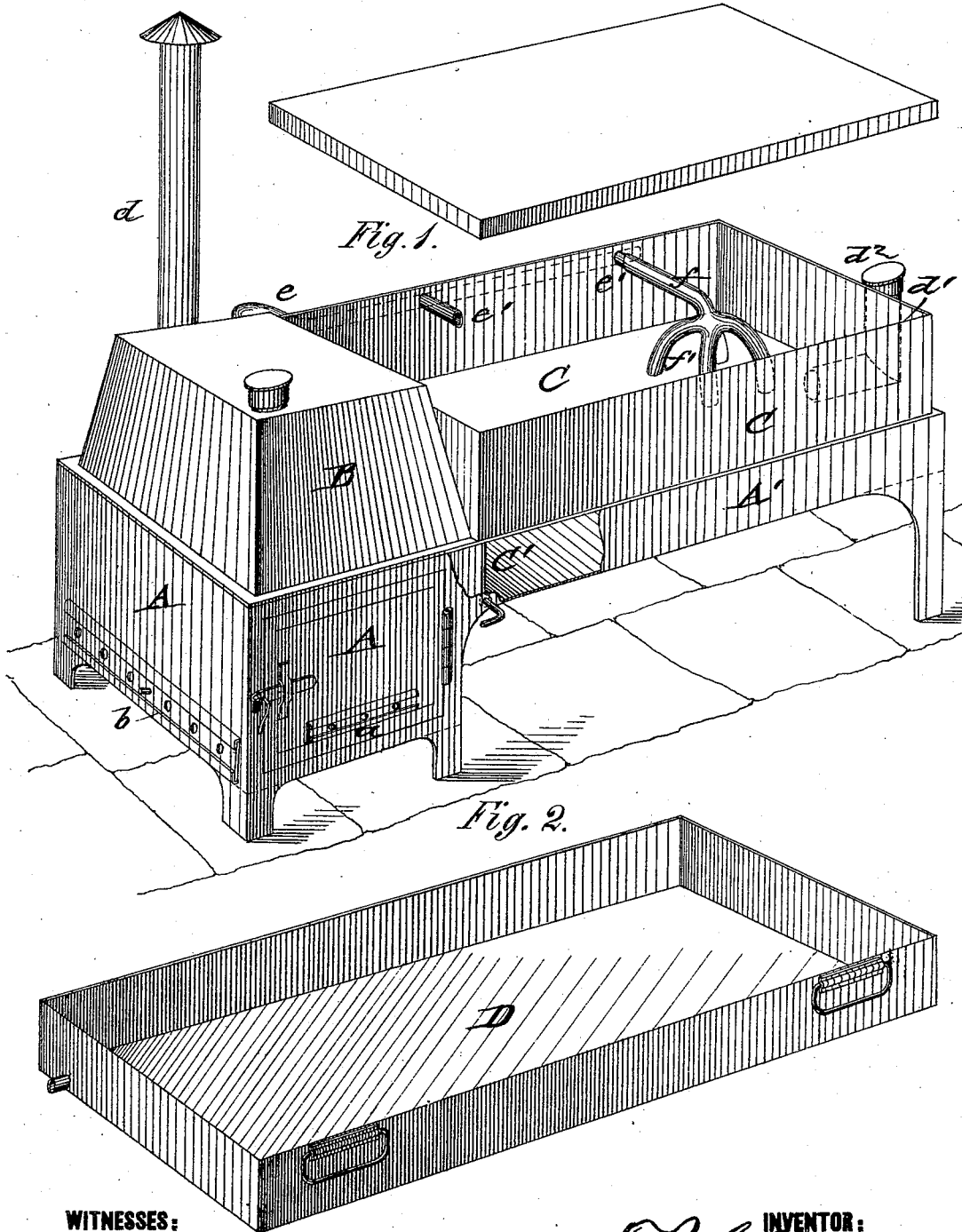


T. B. H. ANDREWS.
APPARATUS FOR STEAMING FOOD.

No. 184,745.

Patented Nov. 28, 1876.



WITNESSES:
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THOMAS B. H. ANDREWS, OF MANSFIELD, OHIO.

IMPROVEMENT IN APPARATUS FOR STEAMING FOOD.

Specification forming part of Letters Patent No. 184,745, dated November 28, 1876; application filed May 9, 1876.

To all whom it may concern:

Be it known that I, THOMAS B. H. ANDREWS, of Mansfield, in the county of Richland and State of Ohio, have invented a new and Improved Apparatus for Steaming Food, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a perspective view of my improved apparatus for steaming food; Fig. 2, a perspective view of the evaporating-pan.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved apparatus for steaming food of all kinds, boiling sugar, canning fruit, and for other purposes; and it consists of a furnace with detachable steam-chest and food-box, connected by steam connecting and distributing pipes with the steam-chest. The draft of the furnace may be readily changed by means of dampers, according to the purpose to which the apparatus is applied.

In the drawing, A represents the furnace, and B the steam-chest, which is placed upon the same, and supplied with water for generating steam from a reservoir, or in other suitable manner. The food-steaming box C is supported on an extension-chamber, A', of the furnace, which may be made in one piece therewith, of cast or sheet iron, and separated therefrom by a hinged damper, C', so that the gases of combustion may be drawn through the same, or not. The furnace has two additional dampers—namely, a front damper, a, and a side damper, b—the hinged damper C' and

side damper b being closed when the apparatus is used, as shown in Fig. 1, for the purpose of steaming food. The smoke, &c., is then drawn through a pipe, d, at the rear of the furnace, and then transferred to a short elbow, d', commonly closed by a cap, d'', when the apparatus is used for boiling sugar or other purposes, the hinged damper being then opened to draw the fire through the entire extension-chamber for the heating of the evaporating-pan D, placed on the furnace.

The steam-chest B is connected, by a steam-pipe, e, and branch pipes e', with the food-box, detachable pipes f, with branching arms f', that open near the bottom of the food-box, being applied to the branch pipes e'.

The steam issues near the bottom of the food-box, and is thereby distributed throughout the food, a cover being placed on the same to retain the heat.

The food is thereby steamed in a quick and effective manner, while, by taking off the steam-chest and food-box, the furnace may be employed for other purposes.

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

A furnace having dampers a b, steam-chest B, food-box C, and chamber A', with damper C', all arranged as shown and described, for the purpose specified.

THOMAS B. H. ANDREWS.

Witnesses:

THOS. B. ANDREWS,
SARAH C. MYERS.