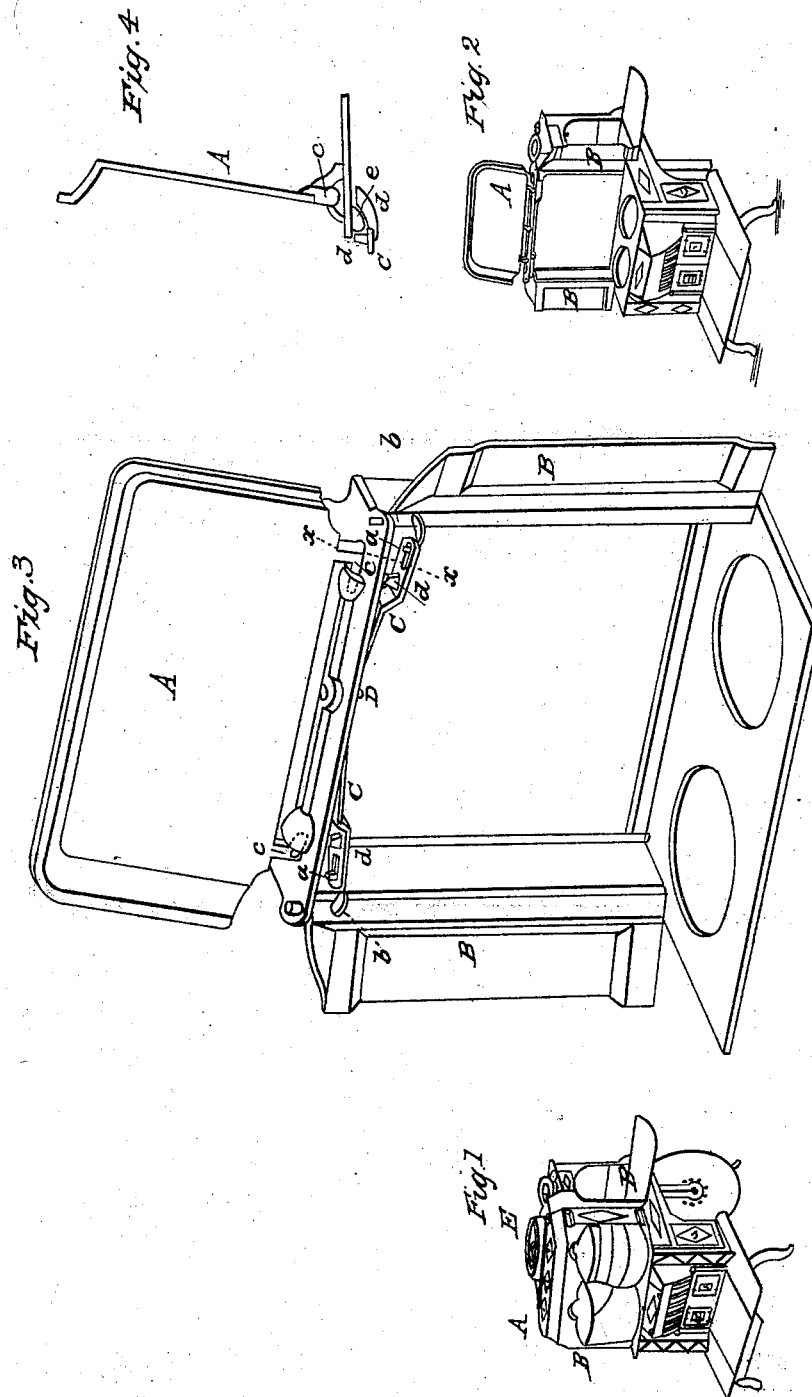


Cooking Stove.

No. 3,432.

Patented Feb. 12, 1844.



UNITED STATES PATENT OFFICE.

JORDAN L. MOTT, OF NEW YORK, N. Y.

COOKING-STOVE.

Specification of Letters Patent No. 3,432, dated February 12, 1844; Antedated December 1, 1843.

To all whom it may concern:

Be it known that I, JORDAN L. MOTT, of the city of New York, in the State of New York, have invented a new and useful Improvement in the Manner of Constructing Cooking-Stoves, which I have denominated the "Triumph Steam-Conductor;" and I do hereby declare that the following is a full and exact description thereof.

My improvement is applicable to cooking stoves of different kinds, as it may be applied wherever boilers, or other cooking utensils are placed on a boiler plate situated over the fire chamber by which they are to be heated.

It consists in the employment of a lid, or cap, and of two jambs, which are made to open and close simultaneously by their combination with each other, and which when closed form a compartment within which the cooking utensils are inclosed, excepting toward their fronts, thereby preventing the escape of steam and other vapors into the room, and causing them to be conducted off; there being an opening, or escape flue, at the back of said compartment leading into the stove pipe or chimney.

In the accompanying drawing Figure 1 shows a stove of my improved construction, having the lid, or cap, and the two jambs closed, there being two boilers represented as placed over the fire chamber. Fig. 2 shows a like stove with the cap and jambs open, and the boiler plate unoccupied.

A, is the cap, and B, B, are the two jambs, which jambs and cap are so connected together, by means of hinge joints and levers, as to cause the raising, or opening of the cap, to open the two jambs, and the closing, or shutting of it down, to close the said jambs.

In Fig. 1, E, is an opening through which the steam and other vapors escape into the chimney, said opening communicating with the compartment containing the cooking utensils.

For the purpose of showing the manner in which I construct and combine the hinge joints and levers for the purpose of insuring

the simultaneous action of the cap and jambs, I have drawn the parts shown in Figs. 3, and 4, on a larger scale. Fig. 3, shows the cap and jambs as they appear when open. C, C, represents two levers which have their inner ends working on a joint pin at D. At their outer ends they have each a slot, or mortise, which receives a pin *a*, on the projecting ear, or bracket *b*, attached to one of the jambs. It will be seen that if, under this arrangement, the slotted ends of the levers be brought forward they will cause the jambs to open; these levers are moved in and out in the following manner. The cap A, works on joint pins at *c*, *c*, and from each of those joint pins there descends a tongue which operates on pieces *d*, *d*, that rise from the upper sides of the levers C, C; their action will be distinctly seen in Fig. 4, which is a cross section on the line X, X, of Fig. 3. In this figure C, is the lever, and *d*, *d*, pieces which rise therefrom and form a notch, or space, which receives the tongue *e*, that descends from the joint pin *c*, of the cap A. It will be apparent that the tongues *e*, *e*, will move the levers C, C, back and forth by the opening and closing of the cap A.

Having thus fully described the nature of my improvement in the cooking stove, what I claim therein as new, and desire to secure by Letters Patent, is—

The so combining of a cap and jambs, situated in the manner, and employed for the purpose, herein set forth, so that they shall be made to open and close simultaneously, by the raising and lowering of the cap; the hinge joints and levers by which the same is effected being constructed and arranged substantially in the manner herein set forth; not intending, however, by this claim, to limit myself to the precise formation of the operating parts as herein represented, but to vary the same as I may think proper while I attain the same end by equivalent means.

JORDAN L. MOTT.

Witnesses:

LAWRENCE S. MOTT,
AUGUSTUS F. WEEKES,