

(No Model.)

J. MARCEE.
COOKING STOVE.

No. 485,049.

Patented Oct. 25, 1892.

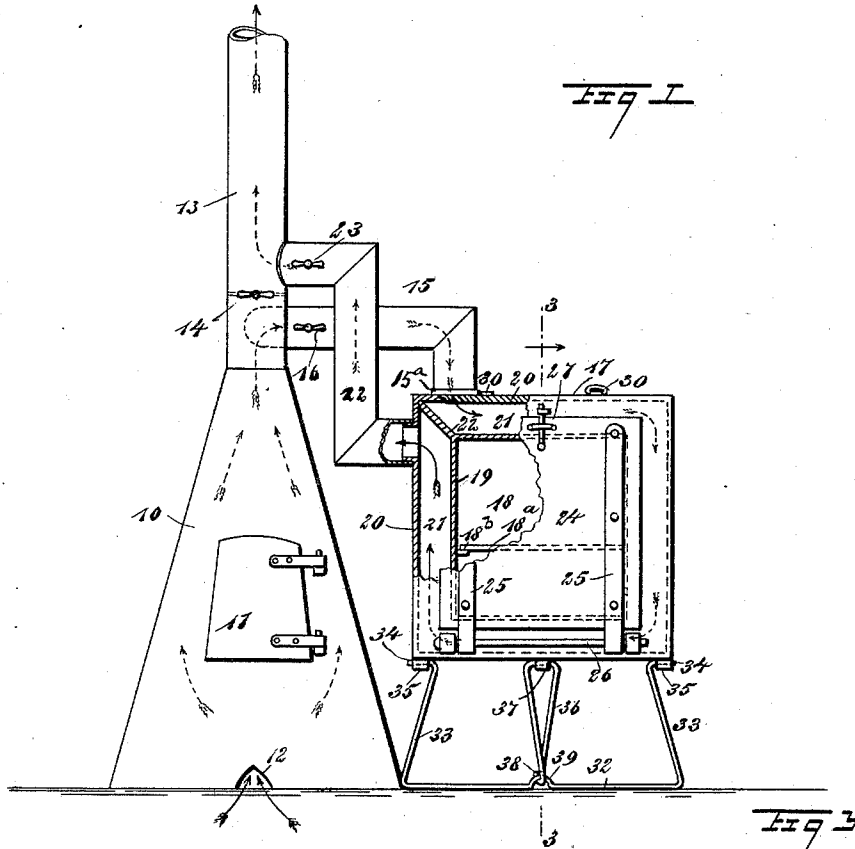
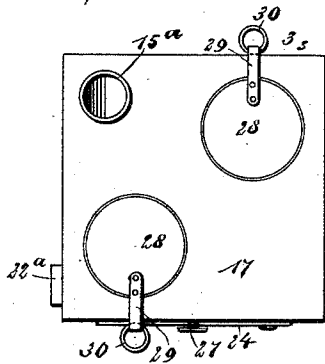
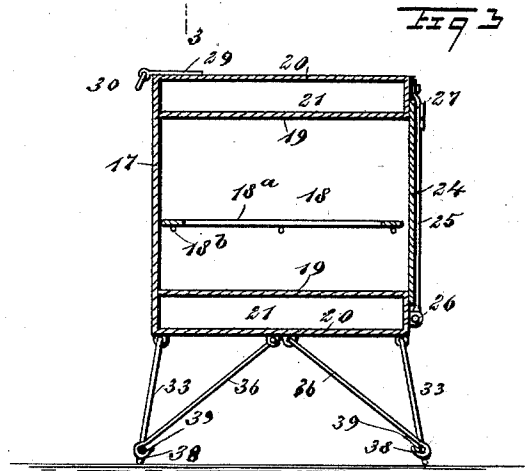


Fig 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN MARCEE, OF THE UNITED STATES ARMY.

COOKING-STOVE.

SPECIFICATION forming part of Letters Patent No. 485,049, dated October 25, 1892.

Application filed March 5, 1892. Serial No. 423,896. (No model.)

To all whom it may concern:

Be it known that I, JOHN MARCEE, of the United States Army, have invented a new and Improved Cooking-Stove, of which the following is a full, clear, and exact description.

My invention relates to improvements in that class of cooking-stoves which are adapted for use in the field and in camp, and which are adapted to connect with and get their heat from an adjacent heating-stove.

The object of my invention is to produce a simple cooking-stove of this kind, which may be connected with any kind of a heating-stove, and to construct and connect the parts so that the cooking-stove may be efficiently heated and the amount of heat easily controlled.

A further object of my invention is to construct the cooking-stove and attachments so that it may be easily set up and connected with the heater, and so that it will occupy but little space and may be easily transported.

To this end my invention consists in certain features of construction and combinations of parts, which will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a broken front elevation, partly in section, of the cooking-stove embodying my invention, the same being shown in connection with the heater. Fig. 2 is a detail plan view of the cooking-stove, and Fig. 3 is a vertical cross-section of the same on the line 3 3 in Fig. 1.

The heater 10 is the ordinary dome-shaped heater, having the swinging door 11 in front, the draft-opening 12 at the bottom, and the smoke-stack 13 at the top; but the heater may be of any approved construction, as it forms no part of my invention. In the smoke-stack 13 is a damper 14, and opening from the stack beneath the damper is a pipe 15, controlled by a damper 16, and this connects with the ring 15^a of an opening in the top of the cooking-stove 17.

The cooking-stove 17 has a central oven 18, and it has double walls on four sides of the oven, thus forming a continuous flue around it, the inner wall 19 and outer wall 20 be-

ing arranged to receive this flue or air-space 21 between them. At one side of the stove and at the upper corner is a division-plate 22, which extends transversely across the stove and which acts as a deflector to send the heat around the oven, as described below, and as indicated by the arrows in Fig. 1. Beneath this deflector-plate is an opening having a circular flange or ring 22^a, to which the pipe 22 is connected, and this pipe has a damper 23 and leads into the smoke-stack 13 above the damper 14. It will be seen that when there is a fire in the heater 10 by closing the damper 14 and opening the dampers 16 and 23 the heat will pass, as indicated by the arrows, through the pipe 15 into the flue 21, above the oven 18, and thence entirely around the oven and out through the pipe 22 to the stack. The pipe 15 enters near the back side of the oven, and the pipe 22 opens from near the front side of the same, and it will be seen that the four sides of the oven will be thoroughly heated and that any kind of food may be conveniently cooked in it. To increase its capacity, the oven is provided with the usual removable grate 18^a, which is supported upon studs 18^b in the sides of the oven. The oven has on the front side a vertically-swinging door 24, on which are straps 25, which project below the lower edge of the door and are hinged to a rod 26, which is supported on the front of the stove, and at the top of the door is a spring-catch 27, which may be of any approved kind and which serves to hold the door closed.

In the top of the stove are the usual holes, which are closed by the usual covers 28, each cover having a handle 29 extending outward and terminating in a ring 30 to enable the covers to be easily manipulated.

The stove 17 may be placed directly upon the ground, or it may be provided with detachable legs, in which case the kind shown in the drawings are convenient, as they may be detached and placed in the oven when not in use. The legs shown are formed of a wire rod 32, the ends of which are bent upward, as shown at 33, the extremities being bent outward, as shown at 34, so as to enter keepers 35 on the under side and near the corners of the oven. In the center of the rod is formed an open loop 36, which extends through a

keeper 37 near the middle of the stove-bottom, and the free end of the loop is formed into a hook 38, adapted to engage an outwardly-bent part 39 of the rod 32. There are two of these
5 rods 32, bent as described, and arranged on opposite sides of the stove, thus forming a secure support for the same.

The stovepipes 15 and 22 are detachable, and when the device is to be transported they
10 may be placed within the heater 10, or they may be made in sections and placed within the oven 18.

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

The combination of the heater 10, having the damper 14 in its smoke-stack, the inlet and outlet pipes 15 and 22, connecting on opposite sides of such damper with the stove 17, having the flue 21 extending around four
20 sides of its oven, and the transverse plate dividing the flue, the aforesaid pipes connecting with the latter above and below the division-plate but contiguous thereto, as shown and described.

JOHN MARCEE.

Witnesses:

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JOSEPH FARRELL.