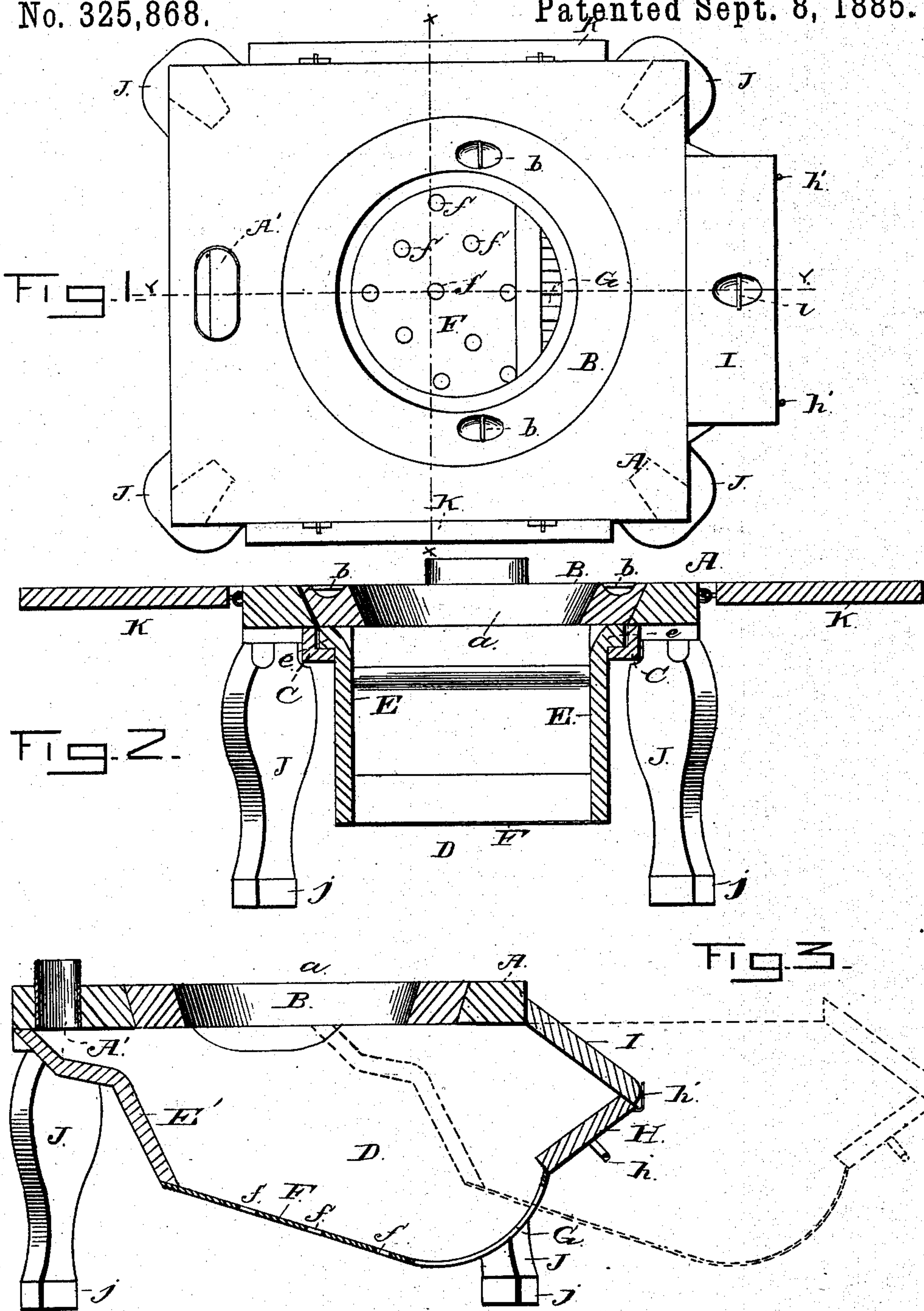


(No Model.)

E. A. SEELY.
KETTLE HOLDER.

No. 325,868.

Patented Sept. 8, 1885.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ELIZABETH A. SEELY, OF BLOOMFIELD, INDIANA.

KETTLE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 325,868, dated September 8, 1885.

Application filed June 10, 1884. (No model.)

To all whom it may concern:

Be it known that I, ELIZABETH A. SEELY, a citizen of the United States, residing at Bloomfield, in the county of Greene and State of Indiana, have invented certain new and useful Improvements in Kettle-Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to portable kettle-holders designed for use in the field, forest, or elsewhere out of doors, and has for its object a furnace which can be easily taken to pieces for the purposes of transportation and readily set up where desired for use, as will be described.

In the accompanying drawings, forming part of this specification, Figure 1 is a plan view; Fig. 2, a section on line *x x*, Fig. 1, the side pieces being turned out. Fig. 3 is a section on line *y y*, Fig. 1, all of which will be described.

The top A has formed through it the central pot-opening *a*, the walls whereof may be beveled inwardly from their upper to their lower edges, as shown, or otherwise suitably formed to hold the removable ring B, which enables the use of different-sized kettles. This ring B has hooks or eyes *b*, in which pot-hooks may be caught when desired to remove or apply it to the top A, as will be understood. I bevel the edge of the ring to fit snugly the walls of the pot-opening, and it rests therein with its upper face flush with the top of the furnace, as shown most clearly in Figs. 2 and 3.

By providing several rings having different-sized openings I am able to adapt the top to kettles of different sizes, as is frequently desirable.

Longitudinal rails C are secured or formed on the under side of the top on opposite sides of the opening *a* and are adapted to guide and support the fire-box D, the side plates, E, of which have their upper edges provided with ribs, as *e*, adapted to the rails and sliding

thereon, as will be understood from Fig. 2. The inner upper edges of the side plates are cut away at *e'*, forming a beveled guide which admits the heat from the fire-box to the extreme edge of the pot or kettle, as will be understood.

The back plate, E', of the fire-pot is inclined upward, and when in position rests against the under side of the top A, near the back of same and in rear of the smoke-opening A', which is preferably provided with a suitable nipple to facilitate the application of a stove-pipe. The bottom of the box is formed with the foraminous plate F, has draft-perforations *f* and the grate G, the bars of which curve up and are secured to the lower edge of the front plate, H, which has a bail, *h*, or other suitable device, wherewith it may be moved into and out of the support, and the blower I is supported at its lower edge on hooks or stops *h'*, secured on the upper edge of front piece, H, and rests against the front edges of the side plates, E, which are suitably inclined to enable the blower to rest thereon, as will be seen in Fig. 3.

The legs J are detachably secured to the top, preferably by forming dovetail tenons in the upper ends of the legs fitted to suitable grooves formed in the corners of the top, as indicated in dotted lines, Fig. 1. This joint is the ordinary detachable stove-leg joint, and it does not seem necessary to illustrate same in detail. The legs are made with broad feet *j* to prevent their sinking into the ground.

The side plates or fenders, K, are detachably secured one to each side of the top and depend therefrom, as shown in Fig. 1, and protect the persons on opposite sides of the furnace from the heat of the fire-box. They also serve to retain the heat below the top, and thereby render the device more efficient, as will be understood.

By means of the blower I, which has a handle, *i*, the draft of the device may be regulated as desired.

When not in use, the several parts may be detached and stored away in a small space, or may be conveniently transported from point to point.

My invention will be found useful in heat-

ing water for hog-killing, in making soap, sugar-making, and similar purposes. I design to make the entire structure of cast-iron, except as hereinafter specified.

- 5 As the bottom of the furnace rests close to the ground, it is usual in practice to dig a shallow trench below it to receive the ashes.

The blower and adjustable side pieces will be usually made of sheet-iron.

- 10 The grate, it will be understood, is preferably separate from the fire-box, and secured thereto in any suitable manner so it may be removed when desired to replace an old or broken grate by a new one.

- 15 While my invention is especially intended for out-door-use and is designed with reference to such use, it is obvious that it might be employed indoors with ash-pan and hearth.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, 20 is—

The portable furnace herein described, consisting of the top plate, A, having detachable legs J, and provided on its under side with guides C and near its rear end with a smoke- 25 hole, A', and a fire-pot having at its upper opposite edges ribs *e*, fitted to and movable on the guides E, whereby the pot is supported and may be conveniently detached from the top plate, substantially as set forth. 30

In testimony whereof I affix my signature in presence of two witnesses.

ELIZABETH A. SEELY.

Witnesses:

W. L. CAVINS,
J. M. HICKS.