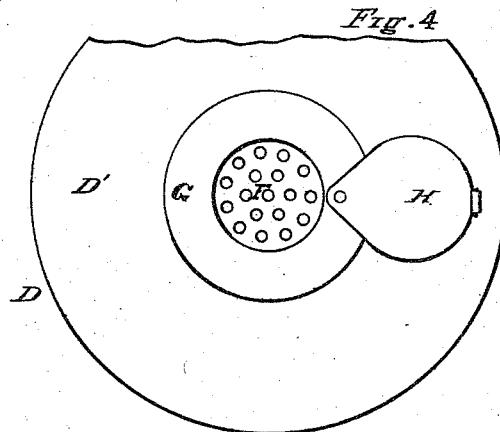
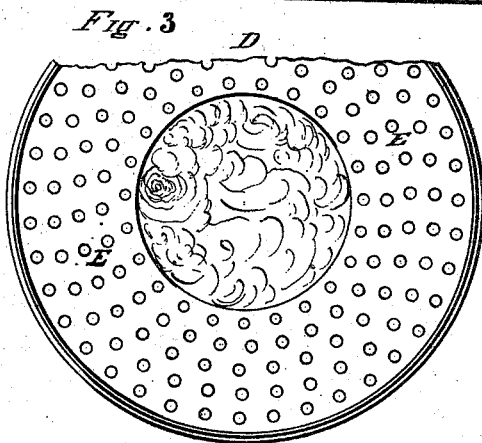
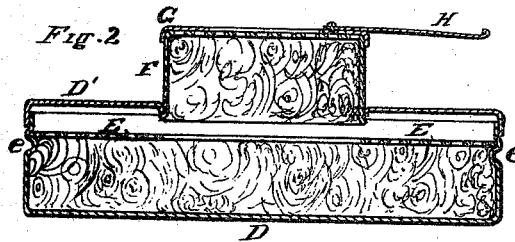
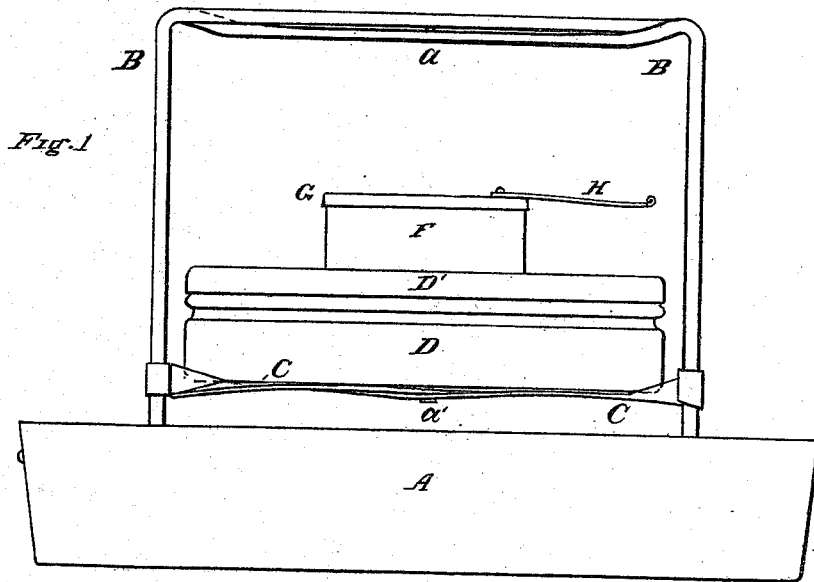


G. B. SICKELS.
Pocket Cooking-Apparatus.

No. 162,959.

Patented May 4, 1875.



WITNESSES.

A. L. Lawlor
F. F. Warner.

INVENTOR.

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Fig. 5

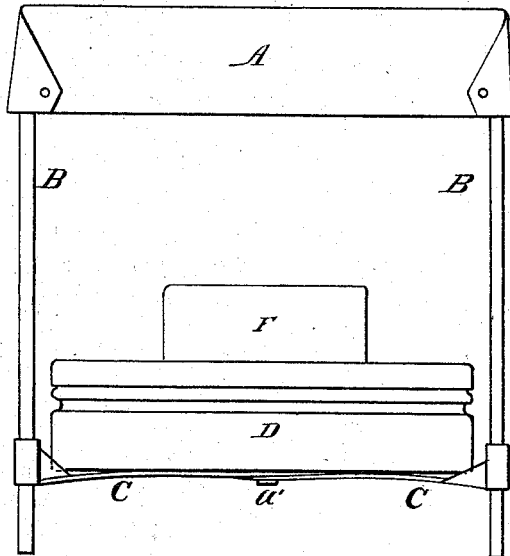


Fig. 6

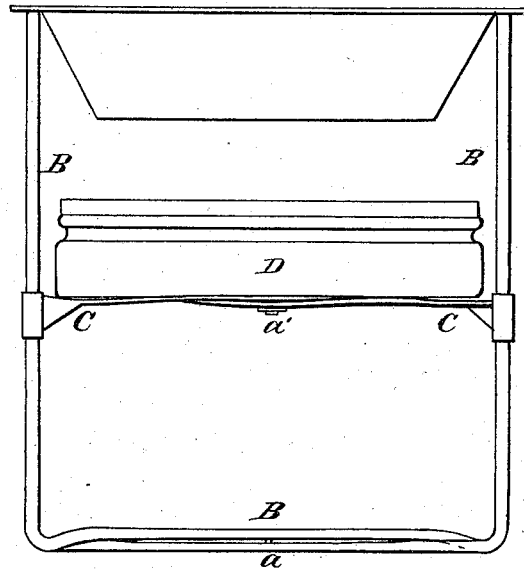
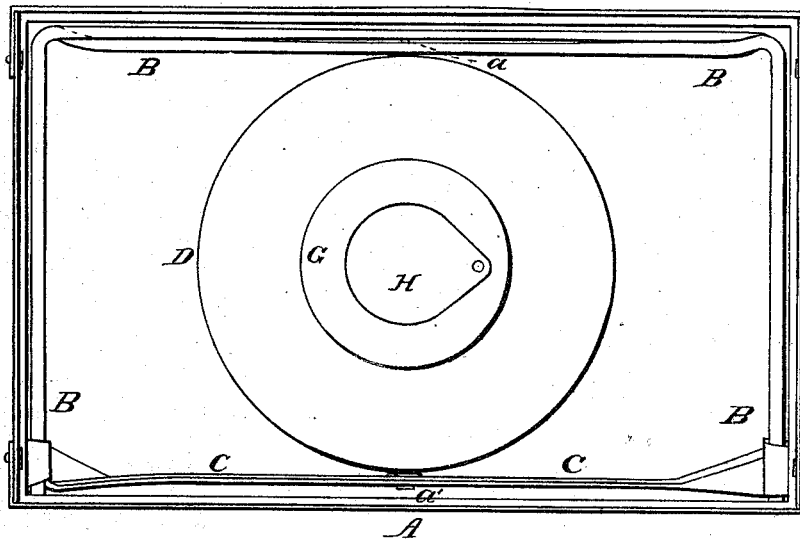


Fig. 7



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UNITED STATES PATENT OFFICE.

GEORGE B. SICKELS, OF CHICAGO, ILLINOIS, ASSIGNOR TO FRANK STURGES
& CO., OF SAME PLACE.

IMPROVEMENT IN POCKET COOKING APPARATUS.

Specification forming part of Letters Patent No. **162,959**, dated May 4, 1875; application filed
April 12, 1875.

To all whom it may concern:

Be it known that I, GEORGE B. SICKELS, of Chicago, in the county of Cook and State of Illinois, have invented a new, useful, and Improved Pocket Cooking Apparatus, of which the following is a full, clear, and exact description, which will enable others skilled in the art to which my invention appertains to make and use the said device, reference being had to the accompanying drawing forming a part hereof, and in which—

Figure 1 is a side elevation of my apparatus when its various parts are arranged in one way for use; Fig. 2, a vertical central section of the lamp; Fig. 3, a top view of the lower half or part of the same; Fig. 4, a top view of the upper part. Figs. 5 and 6 represent different ways in which the parts may be arranged for use, and Fig. 7 a top view of the various parts when folded and arranged in the box.

Like letters of reference indicate like parts.

In the drawing, A represents a comparatively shallow box or case made of metal, preferably of sheet metal, and may be provided with a cover, but a cover is not essential. The box is intended to be of such a size that it may be carried either in the larger pockets in clothing, or in hand bags or satchels, without occupying much space. B is the standard, consisting at least of two pieces of wire bent and arranged in the manner represented, and pivoted to each other at or near the point *a*, thus forming a folding frame which may be compactly arranged in the box, and having four or more legs of equal length. C C are cross-pieces pivoted to each other at the central point *a'*, and vertically adjustable on the legs of the standard, which they clasp tightly enough to support a lamp at any height at which the adjustment is made. These pieces may be folded with the standard without being removed from it. D is the lamp, which is shallow, as shown, and is provided with the removable cover D'. E is an annular, perforated, and removable diaphragm arranged horizontally in the body of the lamp, and supported at a suitable height from the bottom thereof, by means of the shoulder *e*. Below this diaphragm I arrange a quantity of cotton,

wool, or sponge, or other like material, as represented. F is a dome or burner vertically adjustable in the cover, and having a perforated top. I also fill the dome with cotton or other like absorbent. G is a removable annular cap, arranged on the dome, and H is a lid pivoted to this cap. All the parts may be compactly arranged within the box, as represented in Fig. 7.

In order to use my apparatus for the purposes for which it is intended, I remove the standard from the box, and unfold the former so that it will stand firmly upon its legs. I then adjust the lamp-support at a suitable height, according to the distance it may be desired to have the flame from the part to be heated, it being understood that this support is also unfolded by the act of unfolding the standard, and that the lamp is filled with such an amount of burning-fluid as will be absorbed by the absorbent material. If a very large flame is desired, the cover D' may be removed, and the inflammable material in the lamp ignited. If only an ordinary flame is required, the cover D' should remain on the lamp, and the match applied to the perforations in the dome, the cap G being removed. If a smaller flame than will thus be produced is required, the cap G may remain on the dome, and if a still smaller flame is desirable the lid H may be arranged to cover a part of the perforations exposed by the cap G. When it is desired to have the flame directly in contact with the part to be heated, the parts may be arranged as shown in Fig. 1. When the direct action of the flame is not desired, the box A may be inverted and arranged on the standard, as shown in Fig. 5. The box may also be used as a pan for the purpose of heating water therein, or for similar purposes, or a flanged basin may be employed for like purposes, as represented in Fig. 6. The filling in the dome should be in contact with the filling in the body of the lamp, when the apparatus is in use, so that the fluid will be constantly attracted to the flame, and wholly consumed.

It will be perceived from the foregoing description, that the diaphragm E, by being removable, admits of the easy insertion and removal of the absorbent material below it; that

the fluid cannot leak or be spilled from the lamp; that a gas chamber exists above this diaphragm, and that the absorbent material cannot be unduly pressed. It will also be perceived that the lamp is "telescopic," the dome being capable of being pushed a considerable way into the body of the lamp, the diaphragm E being annular. The size of the flame, and its proximity to the part to be heated, is easily regulated, and the device, as a whole, is simple in its construction and operation, compact, cheap, durable, and useful for the purposes for which it is intended.

I am aware that a heating apparatus, capable of being compactly folded, has heretofore been made, and I do not here claim such, broadly; but

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

1. A folding heating apparatus, consisting of a folding support or standard, and of a telescopic lamp, adapted for use in connection with each other, substantially as specified.

2. The combination of the folding standard B with the vertically-adjustable and folding lamp-support C C, substantially as and for the purposes specified.

3. The combination of the box A, the folding standard B, and the folding lamp-support C C, vertically adjustable on the legs of the standard, substantially as and for the purposes specified.

4. The combination, substantially as specified, of the box A, the folding standard B, the folding and vertically-adjustable lamp-support C C, and a telescopic lamp, for the purposes set forth.

5. A telescopic lamp, having a perforated dome combined with the annular cap G, having the lid H pivoted thereto, in combination substantially as described, with a folding and adjustable lamp-support, for the purposes set forth.

6. The lamp D, having therein the removable, annular, and perforated diaphragm E, and the vertically-adjustable and perforated dome F, substantially as described, in combination with a folding standard or support, for the purposes set forth.

GEORGE B. SICKELS.

Witnesses:

F. F. WARNER,
J. H. LAWLOR.