

HARSHA & VAN NORTWICK.

Portable Stove.

No. 106,059.

Patented Aug. 2, 1870.

FIG. 1

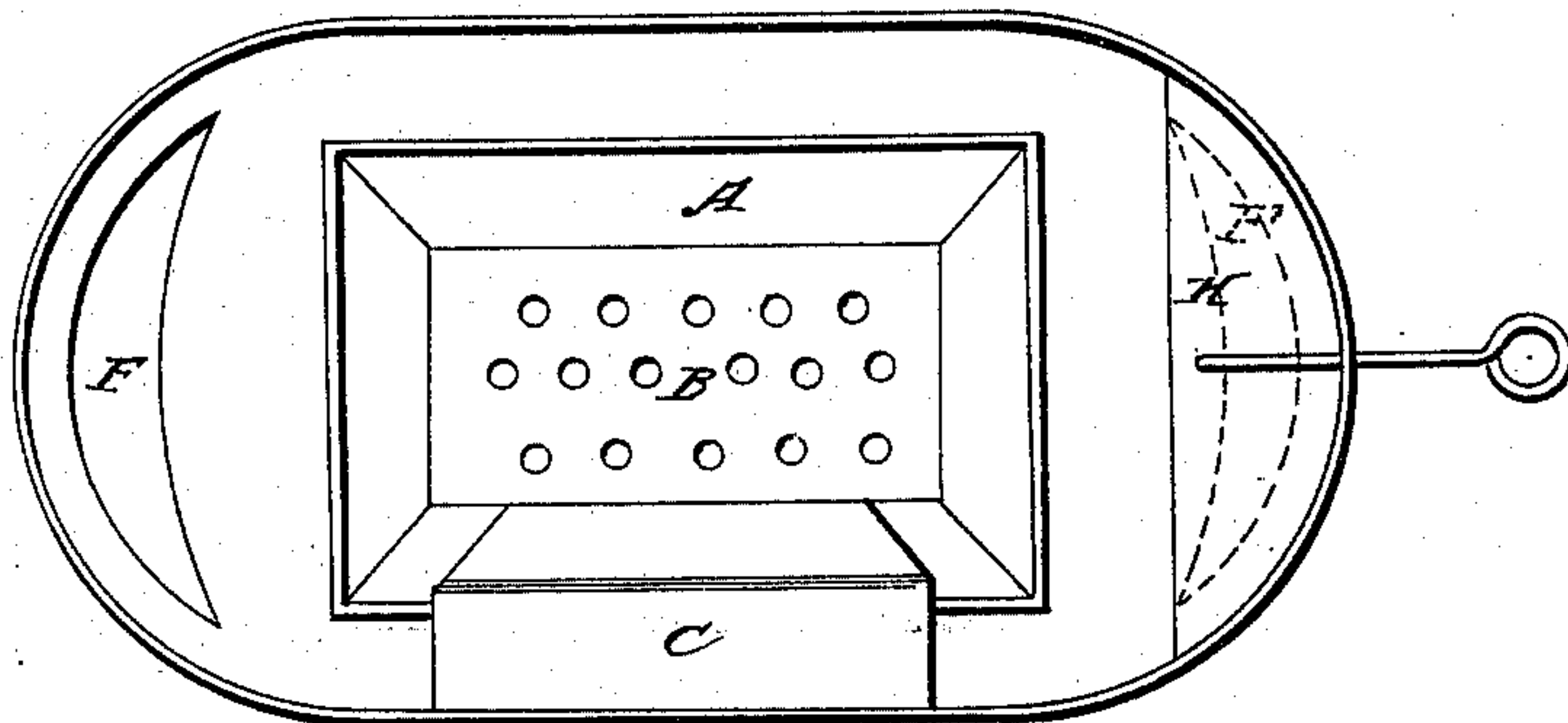


FIG. 2

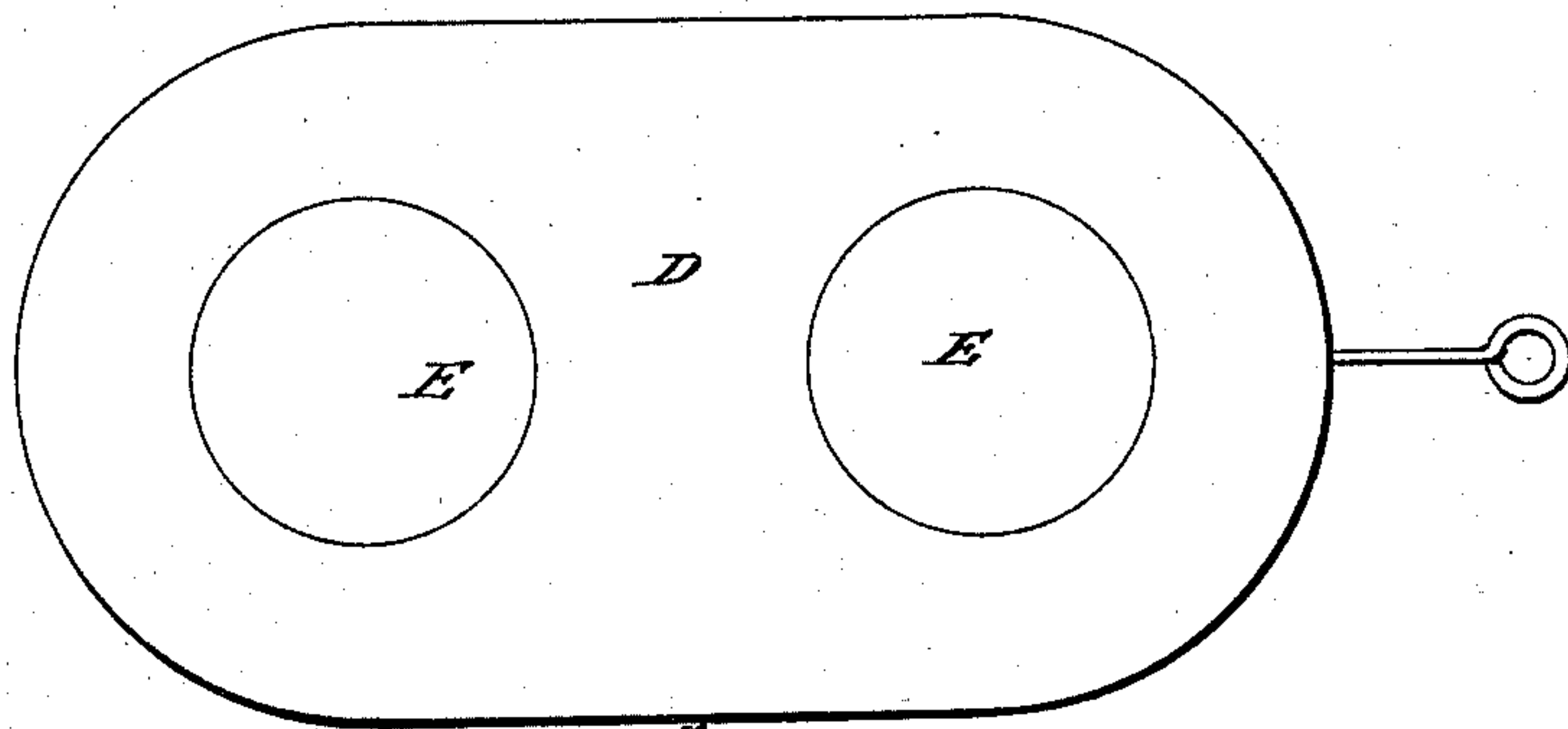


FIG. 3

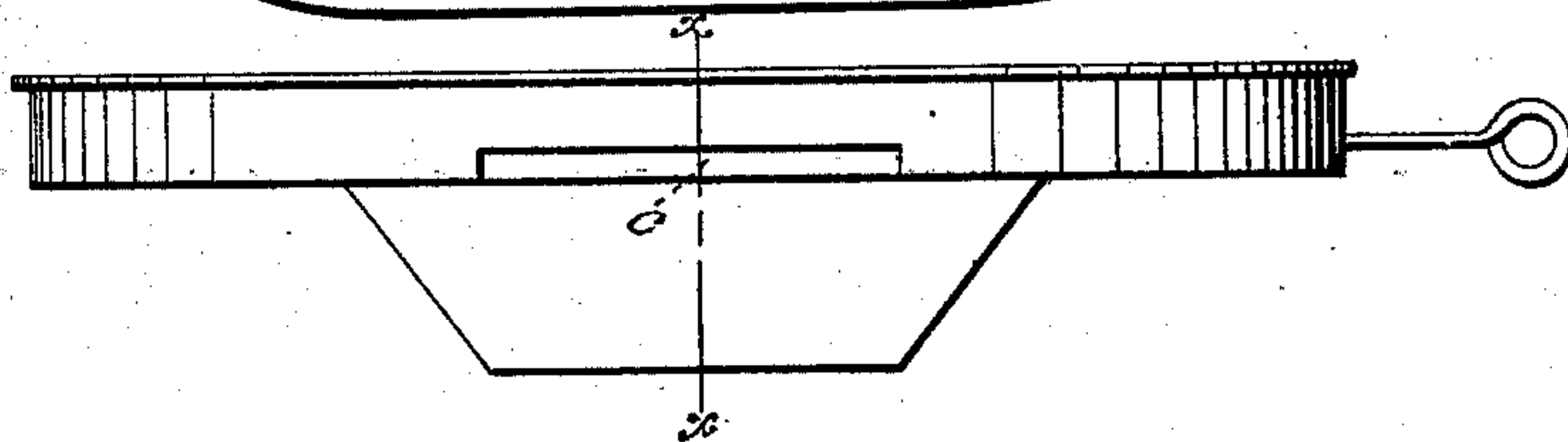
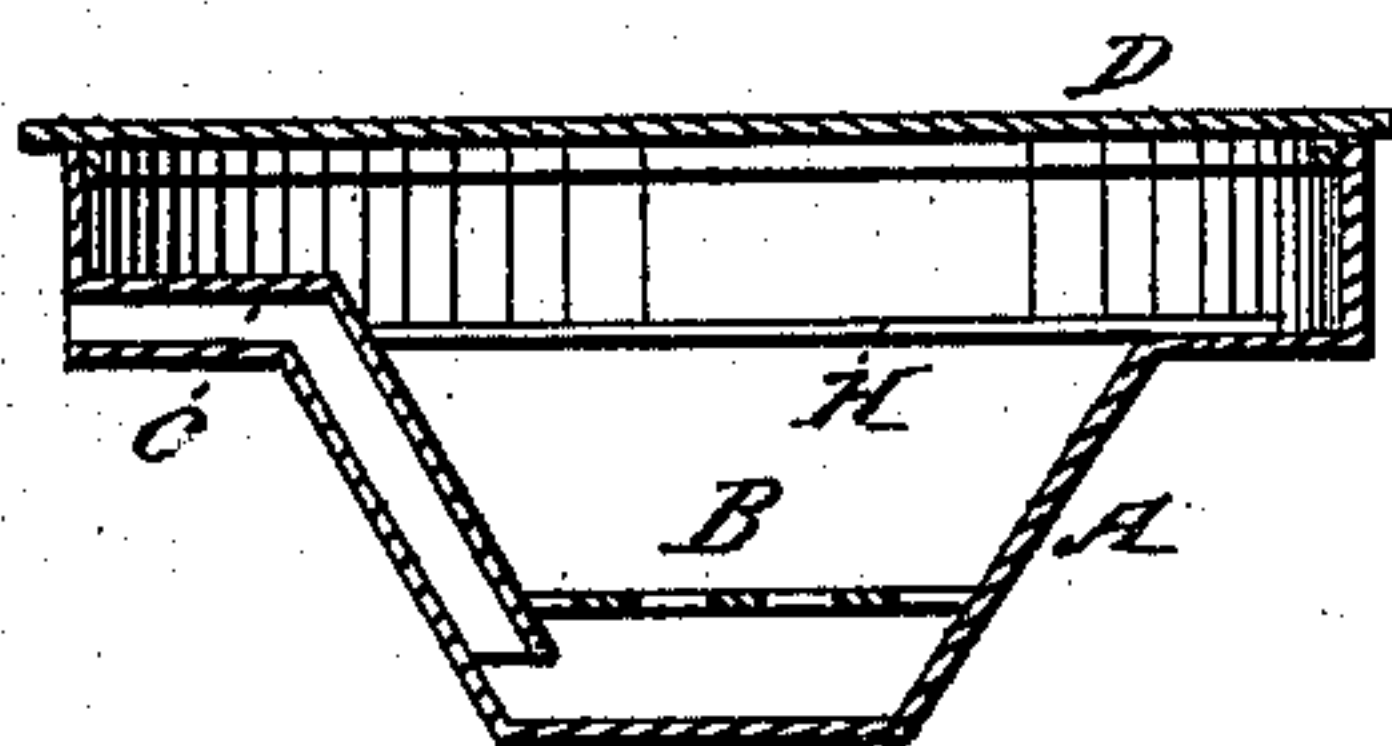


FIG. 4



WITNESSES:

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United States Patent Office.

MORTIMER S. HARSHA AND WILLIAM M. VAN NORTWICK, OF BATAVIA,
ILLINOIS.

Letters Patent No. 106,059, dated August 2, 1870.

PORTABLE STOVE.

The Schedule referred to in these Letters Patent and making part of the same.

We, MORTIMER S. HARSHA and WILLIAM M. VAN NORTWICK, of Batavia, in the county of Kane and State of Illinois, have invented a new and useful Improvement in Summer Stoves, of which the following is a specification, reference being had to the accompanying drawing.

The Object and Nature of our Invention.

The invention relates to the construction of the two escapes for the smoke and gases, one at each end of the stove, with the fire-pot in the middle, as hereafter described, and in the combination of a damper, for closing one of the escapes, so as to direct all the heat to one kettle, when desired.

Description of the Drawing.

Figure 1 represents a plan view of the interior of the stove, with the top removed;
Figure 2, a plan view of the top of the stove;
Figure 3, a front view of the stove; and
Figure 4, a transverse section at the line *x x*.

General Description.

A represents the fire-pot;
B, the fire-grate; and
C, the flue or passage for the draught.
D is the top of the stove, with openings, E, for kettles.
F are openings for the escape of the smoke and gases from the summer stove into the regular cooking-stove on which it is placed.

H is a slide-damper, for closing one of the openings when it is desired to throw all the heat about one of the kettles.

Our summer stove is intended to be placed on a cook-stove, with the covers to the front kettle-openings and the H-piece between them removed.

The fire-pot can be made quite large, and the heat and smoke from the fire pass up about the kettles, and down through the openings F, into the cook-stove.

The flue C is large, and the escapes F are also large, so that the draught through summer stove is free and ample to make a good fire for cooking in a short time, without heating the cooking-stove and the living room of the house.

Claims.

We claim—

1. A summer stove, when constructed with the fire-pot A constructed in the center, and the escapes F at each end, substantially as described, for the purposes set forth.

2. The combination of the damper H with the above-described summer stove, when constructed and operating as shown and described.

MORTIMER S. HARSHA.
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Witnesses:

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L. L. COBURN.