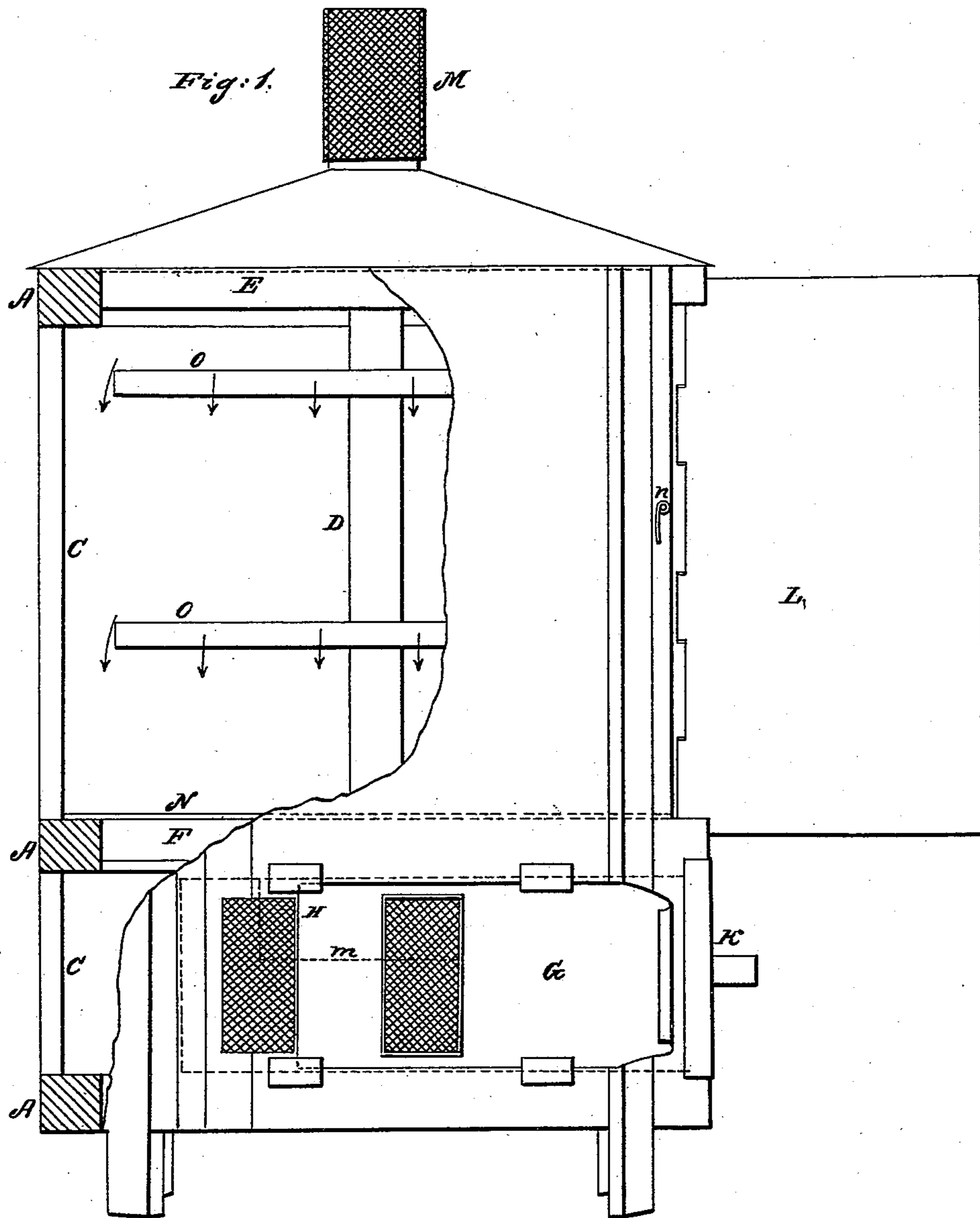


L. W. SHAEFFER.

Smoke House.

No. 94,138.

Patented Aug. 24, 1869.



Witnesses:
E. Tenney.
Lewis F. Niles.

Inventor:
Lewis W. Shaeffer.

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Fig: 3.

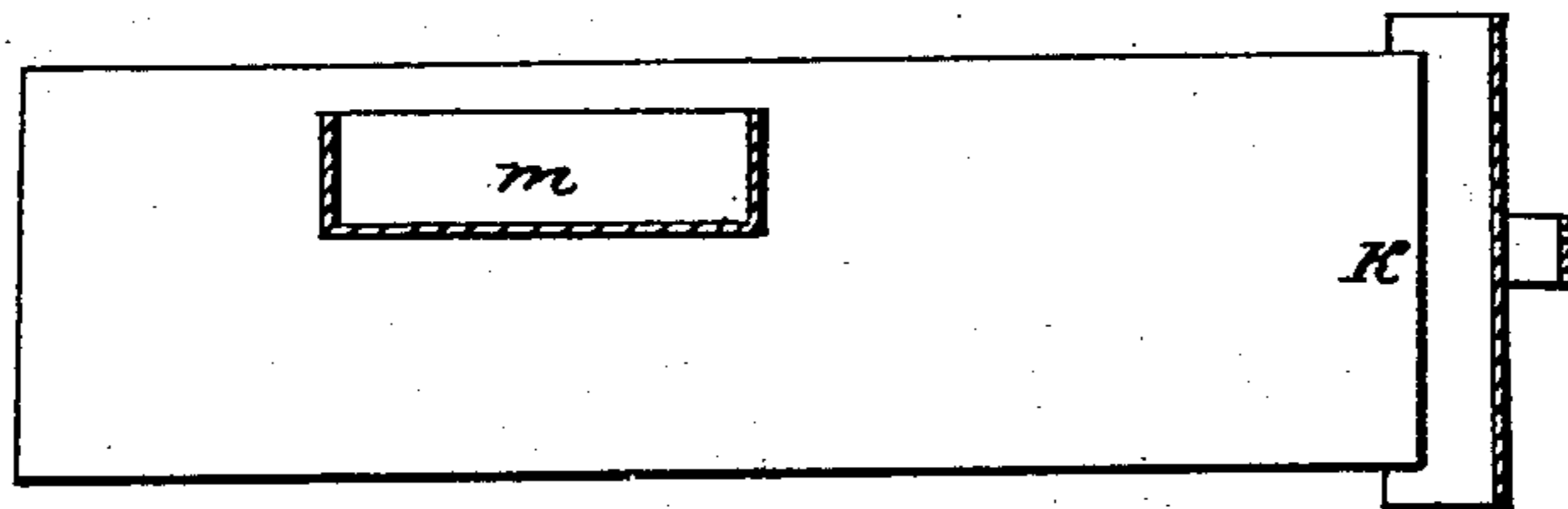
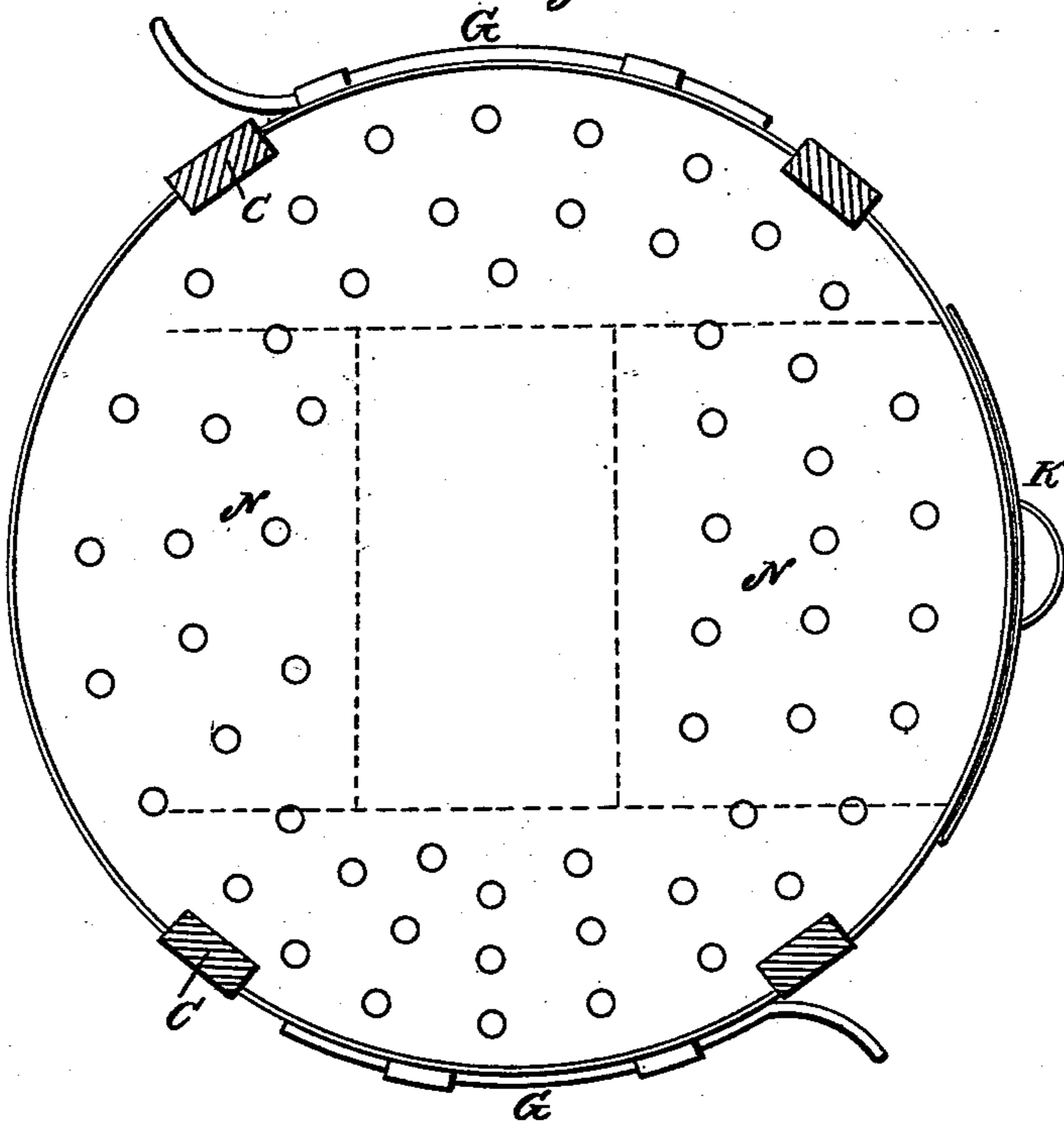


Fig: 2.



Witnesses:
Wm H. Seaman
Wm Dennis

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United States Patent Office.

LEWIS W. SHAEFFER, OF UNION TOWNSHIP, OHIO.

Letters Patent No. 94,138, dated August 24, 1869.

IMPROVEMENT IN SMOKE-HOUSE.

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

To all whom it may concern :

Be it known that I, LEWIS W. SHAEFFER, of Union township, in the county of Miami, in the State of Ohio, have invented a new and improved Smoke-House and Meat-Safe; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing a portable house, provided with a perforated partition-plate, furnace, and fire-box, and with ventilating openings, all constructed and arranged as hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 represents a perspective view of the house, with a portion cut away to exhibit the interior.

The house is mounted on four feet, and is circular horizontally; but the form of a quadrangle, or that of an octagon, will do quite as well.

A represents a part of the frame; and

C, the uprights.

Near the lower part of the frame a tight bottom is put in.

A partition, N, of sheet-iron, having perforations near its outer edge, is fastened to the circular part of the frame F. This plate, with its perforations, serves the double purpose, that of protecting the meat from the heat of the furnace, and of distributing the smoke and air.

K is a furnace, closing tightly on the outside of the house, and is slid out and in, as is desired.

At *m* (see dotted lines) is shown the fire-box, which is elevated, to prevent burning of the wooden bottom or floor beneath.

On opposite sides of the house, are openings, H and I, for ventilation.

These openings are covered on the inside with fine wire-cloth, which will let the air pass freely and exclude insects.

A sheet-iron perforated plate is attached at the top, the position of which is shown by red dotted lines.

The slide G closes the openings on the side.

The upper compartment has a door, L, opening into it, and in the centre of which is an upright, D, having arms, O O, and cross-pieces, to which suitable hooks are attached, to suspend the meat.

This upright is supported by the cross-pieces of the frame F and E, and turns freely about its axis.

In the roof of the house is an opening, to which a pipe is attached, which is closed by a wire-cloth cap, M.

When used for smoking, the fuel is put into the fire-box *m* of the furnace, the furnace being closed tightly, and also the openings on the side, by the slide G. The top, at M, is likewise closed.

When the meat is sufficiently smoked, and it is desired to use the house as a meat-safe, the furnace K is carefully closed, the slide G is withdrawn from over the openings, and the cap M is placed over the pipe at the top. Thus arranged, the air can pass through the lower openings H and I, and escape through the cap M, thus excluding insects, and preventing the presence of foul air inside.

Figure 2 is a horizontal section of the house, above the perforated plate N, showing that plate, and, in dotted lines, the position of the furnace or drawer K, and the fire-box M, beneath it.

Figure 3 is a vertical section through the middle of the drawer and fire-box, showing the elevated or suspended position of the box *m*.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination and arrangement of the drawer or furnace K, the suspended fire-box *m*, and the perforated metallic plate N, substantially as described.

2. The arrangement of the ventilators H and I, and cap M, in relation to the two compartments formed by the plate N, substantially as herein set forth.

Witnesses: LEWIS W. SHAEFFER.

E. TENNEY,

LEWIS F. NILES.