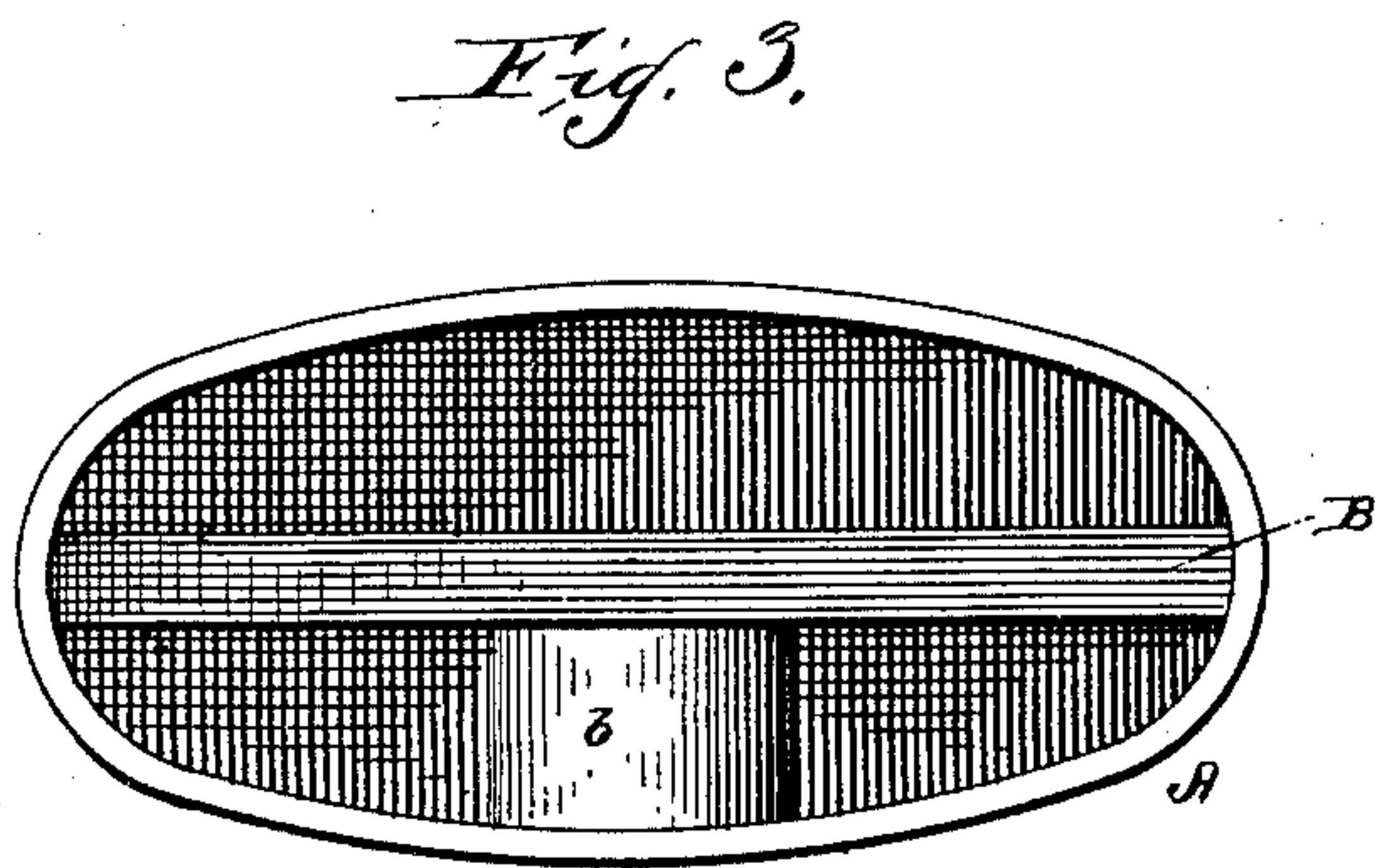
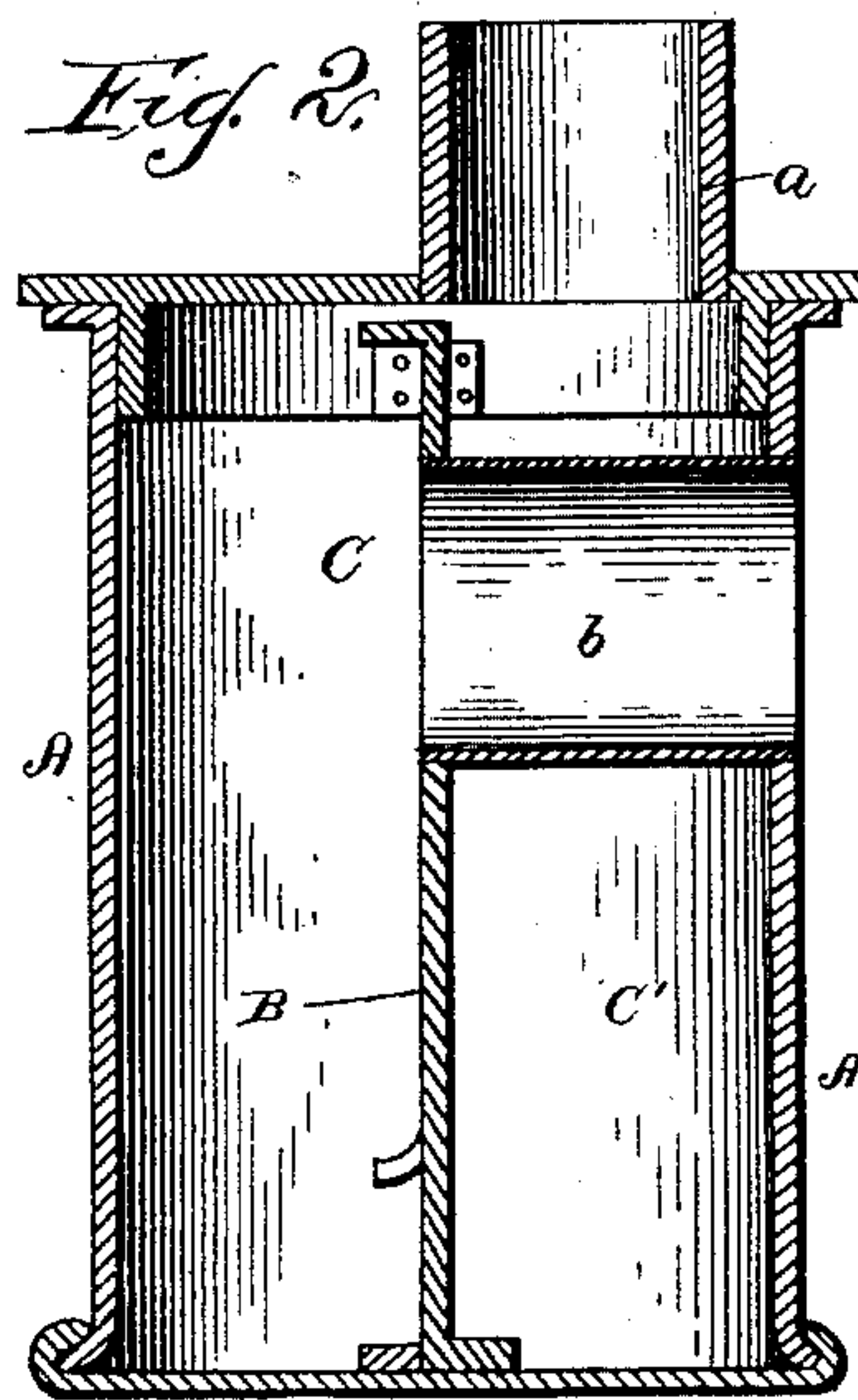
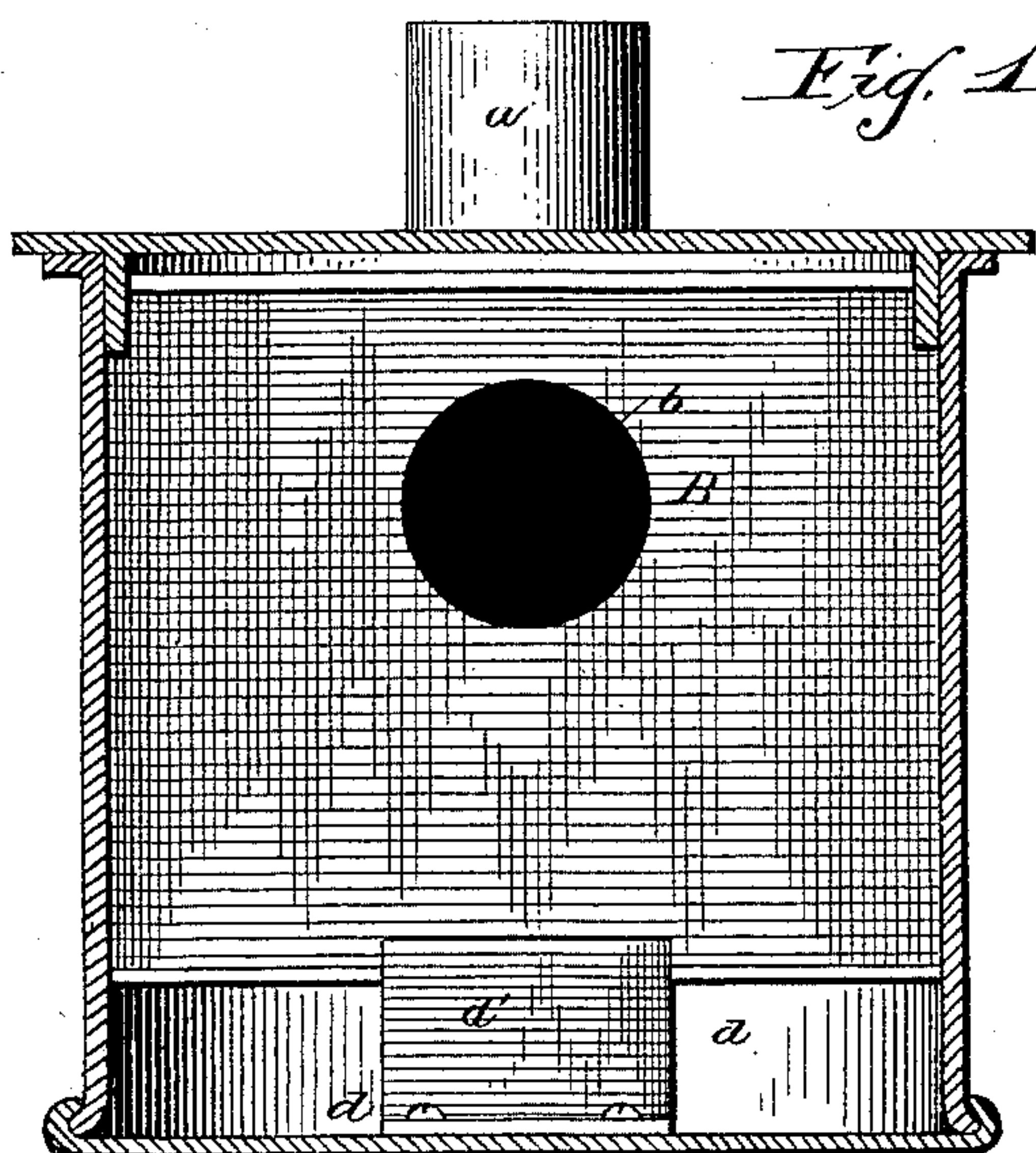


(No Model.)

W. C. LINDSEY.
HEATING DRUM.

No. 348,852.

Patented Sept. 7, 1886.



Witnesses:
John Enders, Jr.
John M. Gill.

Inventor:
William C. Lindsey.
By *[Signature]*
Attorneys:

UNITED STATES PATENT OFFICE.

WILLIAM C. LINDSEY, NEW LONDON, MISSOURI.

HEATING-DRUM.

SPECIFICATION forming part of Letters Patent No. 348,852, dated September 7, 1886.

Application filed March 9, 1886. Serial No. 194,590. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. LINDSEY, a citizen of the United States of America, residing at New London, in the county of Ralls and State of Missouri, have invented certain new and useful Improvements in Heating-Drums, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to improvements in heating-drums for stoves, having for its object economy of fuel, to augment the heating capacity of the stove, and to provide for the heating of a separate apartment or room; and
15 the invention consists of the combinations of parts, including their construction, substantially as hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a sectional elevation of my invention. Fig. 2
20 is a similar view, the section being taken at right angles to the plane of Fig. 1; and Fig. 3 is a plan view thereof with the top plate removed.

In the organization of my invention I employ a drum or casing, A, preferably made of
25 sheet metal, and of any suitable contour in cross-section. This drum or casing A is provided with a vertical partition, B, dividing the same about centrally and vertically into
30 two compartments or chambers, C C', the right-hand one of which, C', is provided with the smoke outlet or exit *a*, while arranged to extend transversely through said latter chamber is a smoke passage or pipe, *b*, opening through
35 the casing A and the partition B. The outer or casing end of the pipe or passage *b*, in practice, connects with the smoke-pipe leading from the stove, while the inner end of said
40 passage or pipe opens into the left-hand chamber, C, conducting the smoke and heat thereinto. The lower end of the partition B stands or is elevated above the bottom of the drum or casing A, leaving a space between the same, which is divided into passages or openings *d d*

one way by arranging centrally of said space
45 a plate, *d'*, with its lower flanged end fastened to the bottom of the drum and its upper end resting against the partition near its lower end. The passages or openings *d* being
50 thus arranged at the bottom and sides of the drum or casing and opening up communication between the two chambers C C', the smoke and heat entering the chamber C will be
55 caused to pass downward and spread through the chamber C, and thence pass into the chamber C' and spread through it, escaping through the outlet or exit *a* of the latter chamber, whereby the heat will be detained and utilized to its fullest extent to enable the thorough
60 heating of the drum.

With the drum connected to a stove it is obvious that a greatly-increased amount of heat will be given out into the room or apartment, while by a suitable length of pipe-connection the drum can be disposed or arranged
65 in a separate or adjoining room or apartment, and thus wholly serve as or take the place of a stove therein, resulting in economy of fuel and reducing the number of stoves as such for heating a building.

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

In a heating or stove drum, the combination of the casing or drum, the elevated vertical partition, the inlet-pipe opening through
75 the casing and partition, the outlet-pipe, and the plate extending from the partition down to the bottom of the drum and leaving openings at its ends, substantially as shown and
80 described.

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

WILLIAM C. LINDSEY.

Witnesses:

W. W. LONGMIRE,
REUBEN F. RAY.