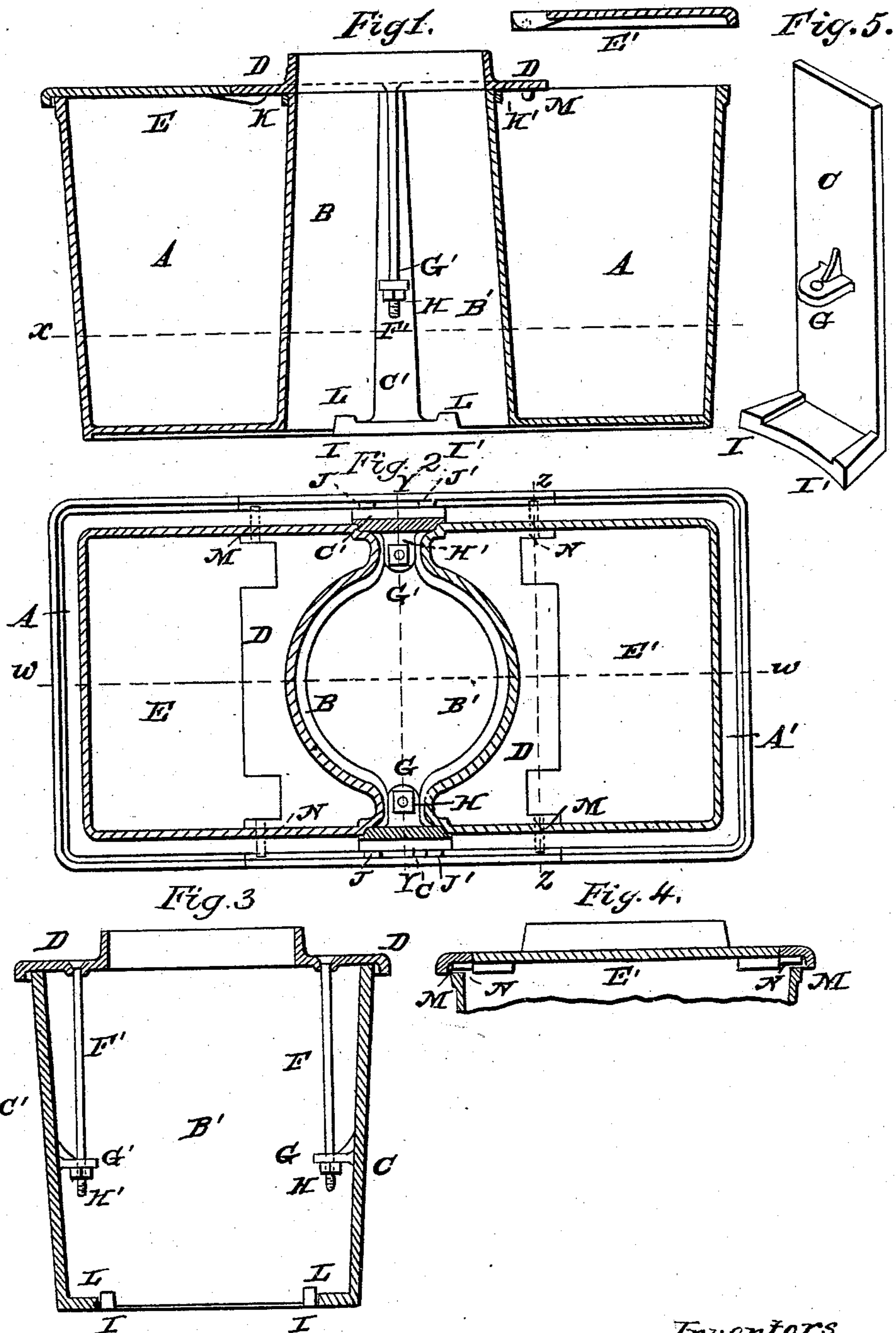


# HARRIS & ZOINER.

## Reservoir for Cooking Stoves.

No. 70,206.

Patented Oct. 29, 1867.



Witnesses.  
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# United States Patent Office.

CONRAD HARRIS AND PAUL W. ZOINER, OF CINCINNATI, OHIO.

*Letters Patent No. 70,206, dated October 29, 1867.*

## WATER-RESERVOIRS FOR COOKING-STOVES.

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

### TO ALL WHOM IT MAY CONCERN :

Be it known that we, CONRAD HARRIS and PAUL W. ZOINER, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Improvement in Stove-Reservoirs; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

This is an improvement in the class of water-heating vessels called "reservoirs," designed to be placed permanently upon the rear part of a cooking-stove; and the first part of our invention consists in forming such a reservoir of two distinct pots or tanks, arranged back to back, and so recessed on their opposing sides (or backs) as, in conjunction with suitable closing strips, to form a flue or passage for the ascending smoke; and the second part of our invention consists in a form and arrangement of parts by which the lids are hinged to the body by the mere act of securing the top plate.

Figure 1 is a vertical section on the line W W.

Figure 2 is a horizontal section on the line X X, looking upward.

Figure 3 is a transverse section at Y Y.

Figure 4 is a transverse section at Z Z.

Figure 5 is a detached perspective view of one of the closing or locking strips.

A A' are two pots or vessels of cast iron, which may, as in the present illustration, be precisely similar one to the other. The adjacent sides of these vessels have indentations or coves B B', which, in conjunction with two closing strips C C', form a circular or nearly circular flue or passage for the smoke. D is the top plate, and E E' are two similar lids or covers, whose top surface is, when closed, flush with that of the top plate. F F' are two bolts, which, traversing the top plate of the reservoir and ears G G' in the inner sides of the strips C C', and having nuts H H', serve, in conjunction with suitable lugs or flanges I I' on the strips, and J J' and K K' in the top plate, indentations L and M in the vessels, and gudgeons N on the lids, to hold all of these parts or members of the reservoir securely together, the gudgeons N and indentations M also serving as very complete hinges for the lids.

When compared with the customary reservoir, having a central smoke-passage, this form of reservoir is found to possess several very decided advantages; for example, the coves and closing strips unite to form a channel sufficiently tight for the purpose of a smoke-flue, and each pot A A' forms a complete and tight vessel to which the said flue is wholly external.

It will also be seen that the bolts F F', occupying the recesses between the vessels A A', are quite out of the way of the smoke-passage proper, and that the lids are securely hinged to the vessel by the simple act of fastening down the top plate.

The within-selected illustration of our invention is susceptible of various modifications; for example, the covings may be of such form as to constitute an oval or an oblong flue, and may be wholly or chiefly in one vessel; the vessels themselves may be of any desired number, and may be so constructed as to dispense with the closing strips.

We claim herein as new, and of our invention—

1. A stove-reservoir, consisting of two or more coved pots or vessels A B A' B', formed and combined substantially as and for the purpose set forth.
2. A stove-reservoir, composed of two pots or vessels A A', having coves B B' on their opposing sides, in combination with closing strips C C', top plate D, and bolts F F', with their described or equivalent accessories, substantially as set forth.
3. The mode of hinging the lids of the reservoir by gudgeons N, occupying indentations M in the vessel, and secured by the top plate D, in manner substantially as represented.

In testimony of which invention we hereunto set our hands.

CONRAD HARRIS,  
PAUL W. ZOINER.

Witnesses:

GEO. H. KNIGHT,  
JAMES H. LAYMAN.