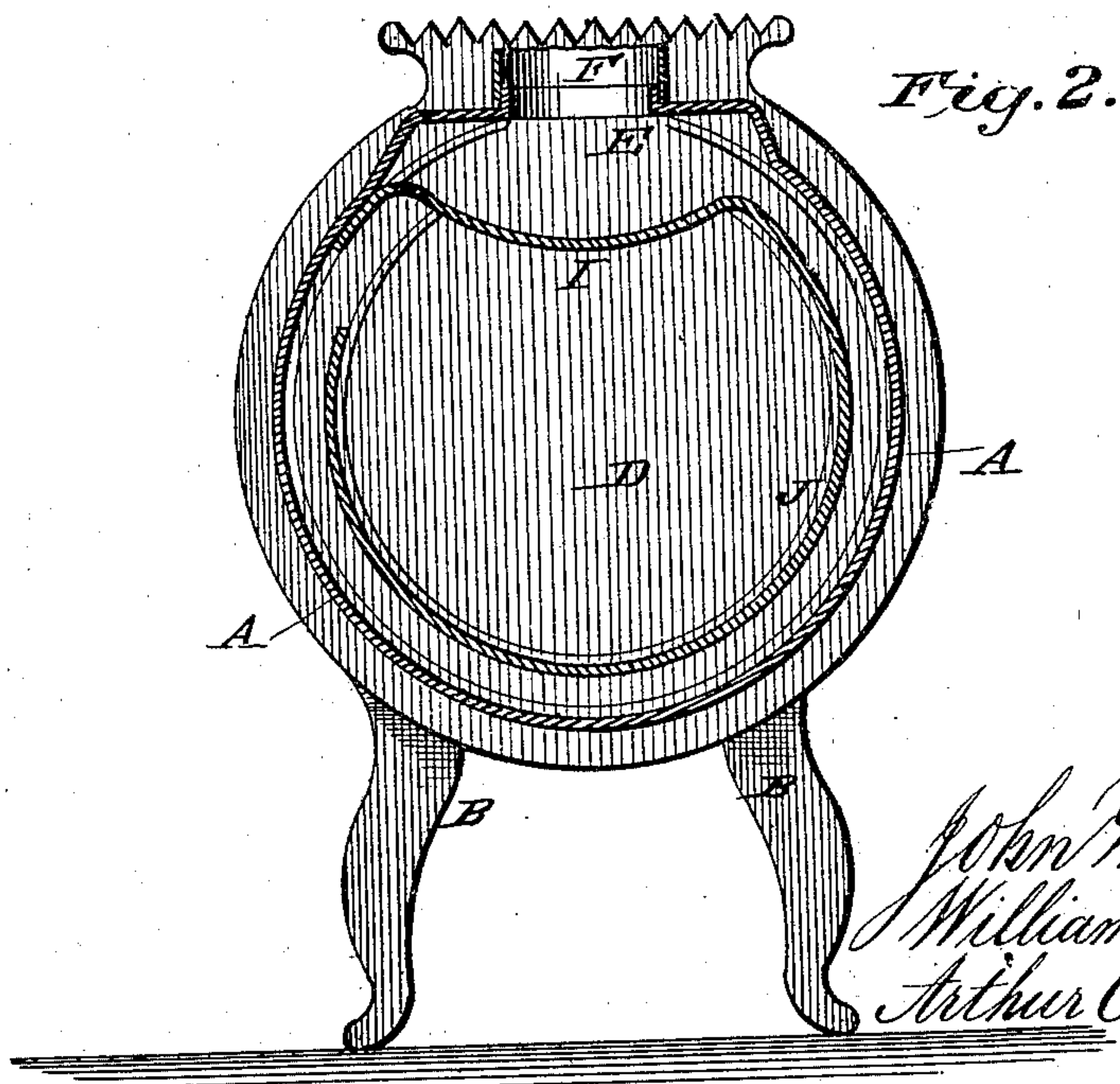
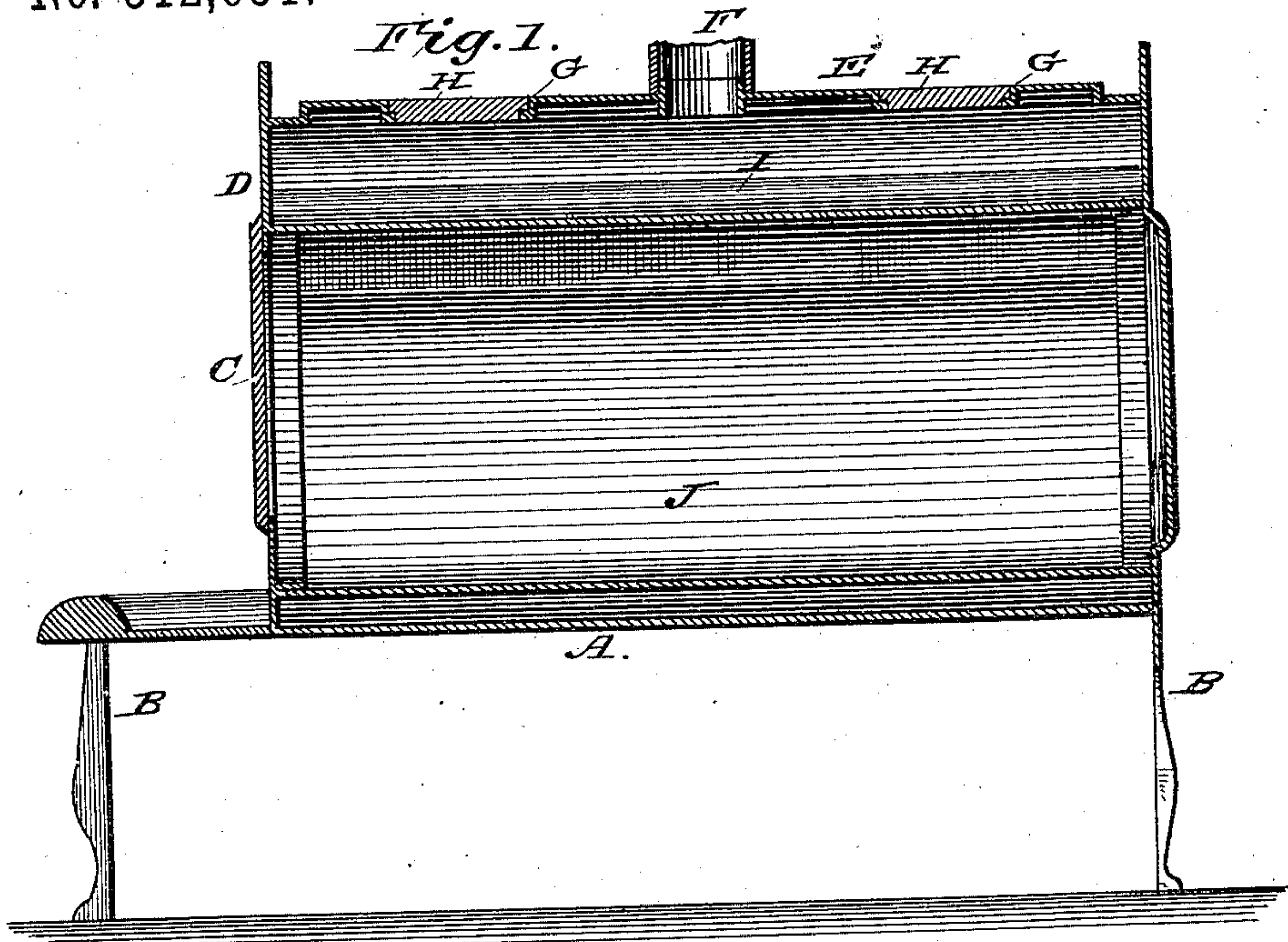


(No Model.)

J. W. & W. H. OWEN & A. C. BOSWELL.
STOVE.

No. 312,651.

Patented Feb. 24, 1885.



John W. Owen
William H. Owen
Arthur C. Boswell

WITNESSES:

Ad. L. Dieterich
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By Louis Ragger & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN W. OWEN AND WILLIAM H. OWEN, OF ONARGA, ILLINOIS, AND
ARTHUR C. BOSWELL, OF FOWLER, INDIANA.

STOVE.

SPECIFICATION forming part of Letters Patent No. 312,651, dated February 24, 1885.

Application filed April 19, 1884. (No model.)

To all whom it may concern:

Be it known that we, JOHN W. OWEN and WILLIAM H. OWEN, residents of Onarga, Iroquois county, Illinois, and ARTHUR C. BOSWELL, of Fowler, in the county of Benton and State of Indiana, have invented certain new and useful Improvements in Stoves; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a longitudinal vertical sectional view of our improved wood-stove, and Fig. 2 is a cross-section of the same.

Similar letters of reference indicate corresponding parts in both the figures.

Our invention relates to that class of horizontal stoves for burning wood in which a flue opens at the top, passes around the sides and bottom of the stove, and has the smoke-exit at the top of the stove; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the outer cylindrical casing of the stove, supported upon legs B, and having a door, C, for feeding the fuel and for emptying the ashes at one of the heads D, which heads may be ornamented in any desirable manner. The upper side of the casing forms a longitudinal bulge, E, in the middle of which the stove-pipe F opens, and which has, if desired, two or more or less apertures, G, in which cooking-vessels may be placed, and which are provided with lids or covers H. Under the longitudinal bulge is a longitudinal trough, I, upon the inside of the casing, having one side fastened to the inside of the casing, and having its other side continued into an inner casing or wall, J, extending around the inside of the outer casing, running parallel with the same, forming a flat flue, and opening into the interior of the stove, at the upper side of the same, at the point where the

side of the trough is fastened to the inside of the outer casing. It will be seen that in this manner the smoke from the ignited fuel in the fire-place of the stove will pass into the flat flue at its opening in the top of the stove, pass around the same, and pass into the stove-pipe at the top of the stove, the drippings from the soot, which always accompany the smoke of burned wood, being collected in the trough at the top of the stove, doing away with the unsightly drip-pots usually hung under the pipes of a wood-stove. It will also be seen that a large amount of the heat will be utilized by passing the products of combustion around the stove, allowing them time to give off some of their heat to the air surrounding the stove, and that, if desired, the heat of the same may be used for cooking purposes at the same time that they heat the room, and that the cooking-vessels will not be subjected to the immediate flame of the fire, but will only be touched by the heated air and gases on their way to the stove-pipe.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

The combination, in a horizontal stove, of an outer cylindrical casing formed with a longitudinal bulge at its top, having apertures for cooking-vessels and for the stove-pipe, with an inner casing opening at the top of the stove into the fire-place, passing around the inside of the outer casing parallel to the same, and formed into a longitudinal soot and drip receiving trough at the top of the stove under the bulge, secured to the outer casing at one side of the said bulge, as and for the purpose shown and set forth.

In testimony that we claim the foregoing as our own we have hereunto affixed our signatures in presence of two witnesses.

JOHN W. OWEN.
WILLIAM H. OWEN.
ARTHUR C. BOSWELL.

Witnesses:

MOSES H. MESSER,
EDWIN J. BARBER.