2 Sheets—Sheet 1.

M. JONES.

STOVES.

No. 195,511. Patented Sept. 25, 1877.

Fig. 1.

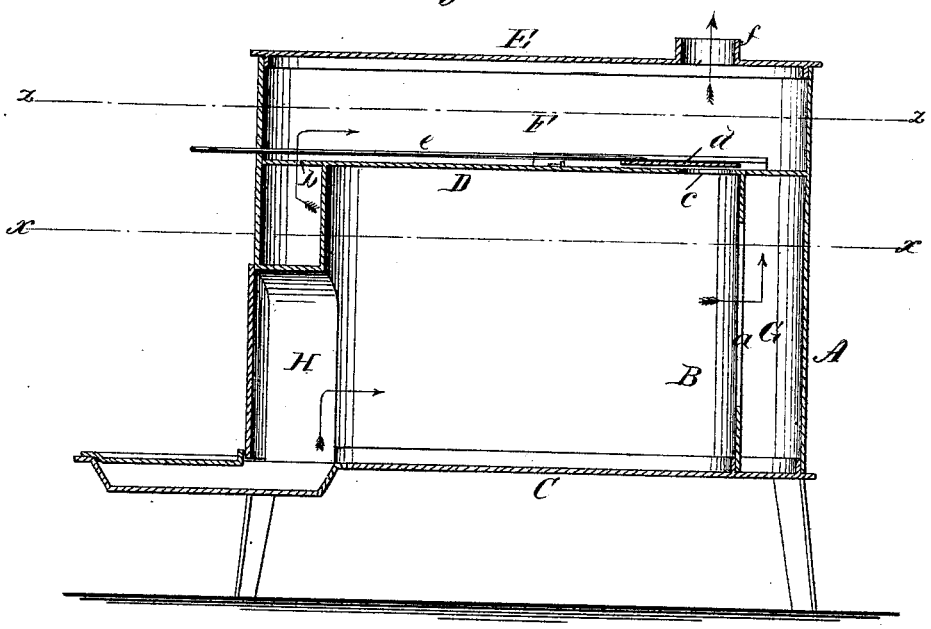
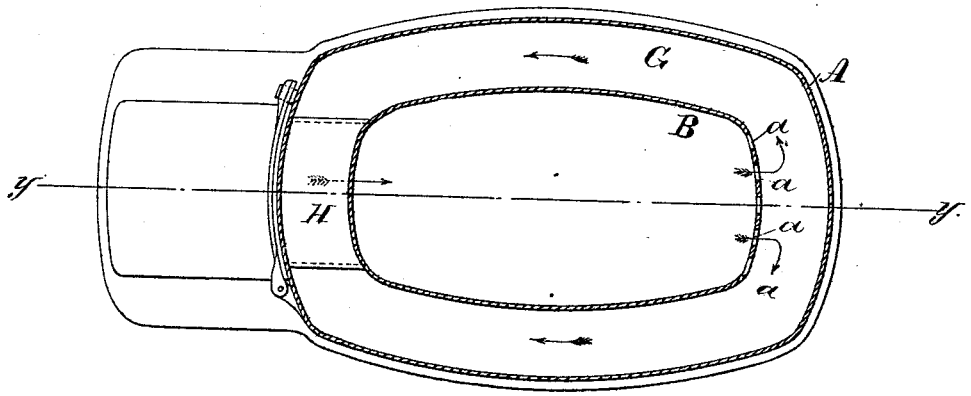


Fig. 2.



WITNESSES:

H. C. Rydquist

J. H. Scarborough.

INVENTOR:

M. Jones.

BY Munn & Co

ATTORNEYS.

2 Sheets—Sheet 2.

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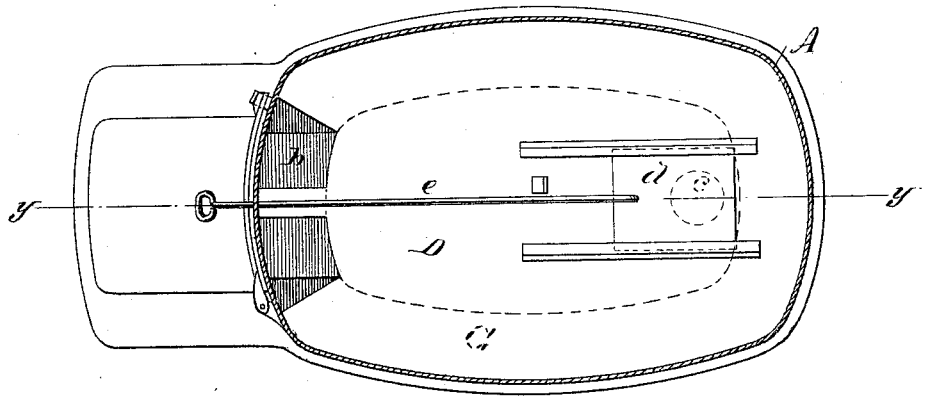
Fig. 3.



WITNESSES:

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INVENTOR:

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

MOSES JONES, OF HYMER, KANSAS.

IMPROVEMENT IN STOVES.

Specification forming part of Letters Patent No. **195,511**, dated September 25, 1877; application filed July 23, 1877.

To all whom it may concern:

Be it known that I, MOSES JONES, of Hymer, in the county of Chase and State of Kansas, have invented a new and Improved Stove, of which the following is a specification:

Figure 1 is an elevation, in section, on line *y y* in Fig. 2. Fig. 2 is a horizontal section on line *x x* in Fig. 1. Fig. 3 is a horizontal section on line *z z* in Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

In the drawing, A is the outer shell, and B the fire-box or inner shell of the stove, both of which are fitted to ribs that project upward from the stove bottom C. The fire-box or inner shell is made of cast-iron, and is provided with a top, D, that extends to the outer shell. The outer shell A is of sheet-iron, and is higher than the fire-box, and to it a cast-iron top, E, is secured. Between the top E and the top D of the fire-box there is a flue, F, and below the top D, and around the sides of the fire-box, there is a flue, G. Slits *a* are made in the back of the fire-box, through which the products of combustion pass from the fire-box to the flue G.

A doorway, H, is formed at the front of the stove, which is shut off from the flue G by a flange formed on the shell B that extends to the outer shell A. Above the doorway there is an aperture, *b*, through which the smoke passes to the flue F. There is also an aperture, *c*, in the top D, at the rear of the fire-box, that is covered by a damper, *d*, having attached to it a rod, *e*, that extends through the front of the stove, and is provided with a handle.

The usual aperture for the escape of smoke is provided and surrounded by a collar, *f*, for receiving the stove-pipe. The stove is provided with the usual hearth and damper, and is supported upon legs in the ordinary way.

By opening the damper *d* the smoke is permitted to escape directly to the chimney; and when it is closed the products of combustion pass through the slits *a* and flue G to the front of the stove, where they pass upward through the openings *b* to the flue F, and thence to the smoke-pipe.

This arrangement not only utilizes the greatest possible amount of the heat, but it also prevents the stove-pipe from becoming dangerously heated.

The sides of the fire-box are strengthened by means of ribs, so that they are not liable to warp or twist.

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

A stove consisting of an outer shell, A, top, bottom, and division plates E C D, and inner shell B, forming intermediate flues F G, the shell A having outlet *f*, and the fire-box B being slitted at *a*, having apertures *b c*, and provided with handled damper *d e*, as shown and described.

MOSES JONES.

Witnesses:
ELISHA H. WHEELER,
JAMES F. BARR.