

S. S. JEWETT.
Wood Heating-Stove.

No. 199,446.

Patented Jan. 22, 1878.

Fig. 1.

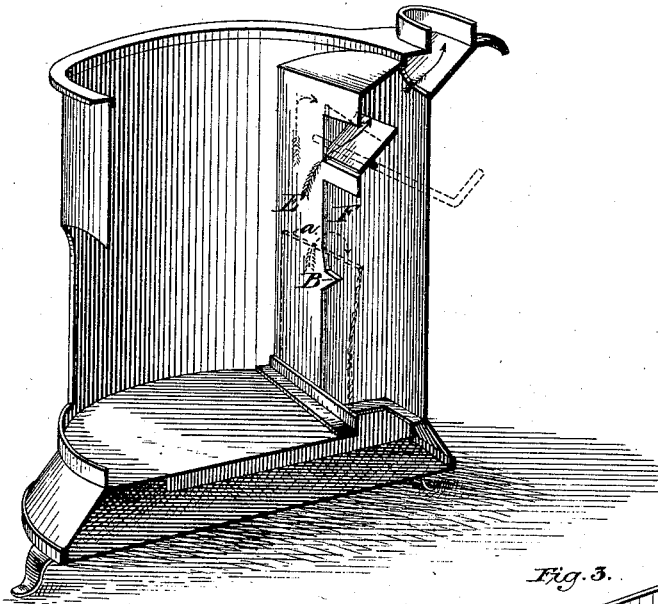


Fig. 2.

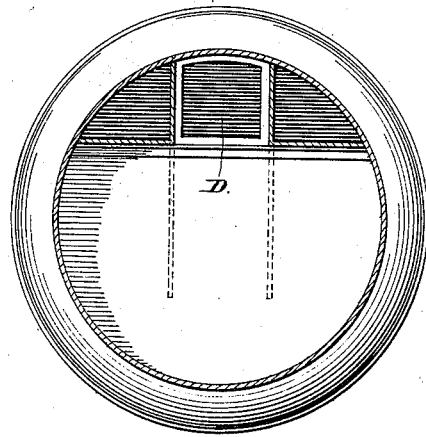
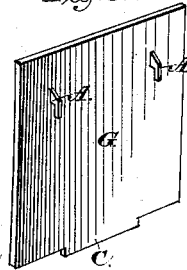


Fig. 3.



Attest:

S. G. Kennedy.
Geo. F. Chavel.

Inventor:

Sherman S. Jewett
per H. Lubbs atty.

UNITED STATES PATENT OFFICE.

SHERMAN S. JEWETT, OF BUFFALO, NEW YORK, ASSIGNOR TO JEWETT & ROOT, OF SAME PLACE.

IMPROVEMENT IN WOOD HEATING-STOVES.

Specification forming part of Letters Patent No. **199,446**, dated January 22, 1878; application filed August 31, 1877.

To all whom it may concern:

Be it known that I, SHERMAN S. JEWETT, of the city of Buffalo, in the county of Erie and State of New York, have invented an Improvement in Wood Heating-Stoves, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical central section from front to rear. Fig. 2 is a horizontal section above the top of the detachable flue-plate, the bottom flue-strips being shown in dotted lines; and Fig. 3 is a view of the removable plate, showing its rear surface, the hooks thereon, and the lip at the bottom.

The downward-flue heating-stove for wood, from its construction, necessitates the action of the flame from the fuel upon both sides of the plate forming the rear of the fire-chamber; and to protect the same from the effects of the heat, I construct an adjustable back fire-plate, G, as shown by the dotted lines *aa* in Fig. 1, and by the drawings, Figs. 2 and 3, furnished with the hooks A, which hang onto the catches B, and are secured at the bottom by the lip C. The protection afforded by the aid of the adjustable fire-back prevents the burning out of the plate E, forming the rear of the fire-cham-

ber, and when the fire-back is rendered useless it can be easily replaced by a new one. This adjustable plate also forms the front wall of the flue D, so that it receives the most intense action of the flame; whereas if the rear plate E were constructed in one piece with the flue-hole F, as shown above the dotted lines *a*, even if protected with a fire-plate, the action of the heat would soon cause it to crack, which would necessitate the dismantling of the whole stove in order to remove the damaged plate.

I do not confine myself to any particular system of flues, as my invention is equally important to any system of flues.

I do not claim, broadly, the fire-back.

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

The detachable back fire-plate G, a portion of which forms the front wall of the rear flue or flues, in combination with the interior back plate E, in connection with a diving-flue heating-stove, substantially as and for the purposes herein described and shown.

SHERMAN S. JEWETT.

Witnesses:

WILLIAM H. WESTON,
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