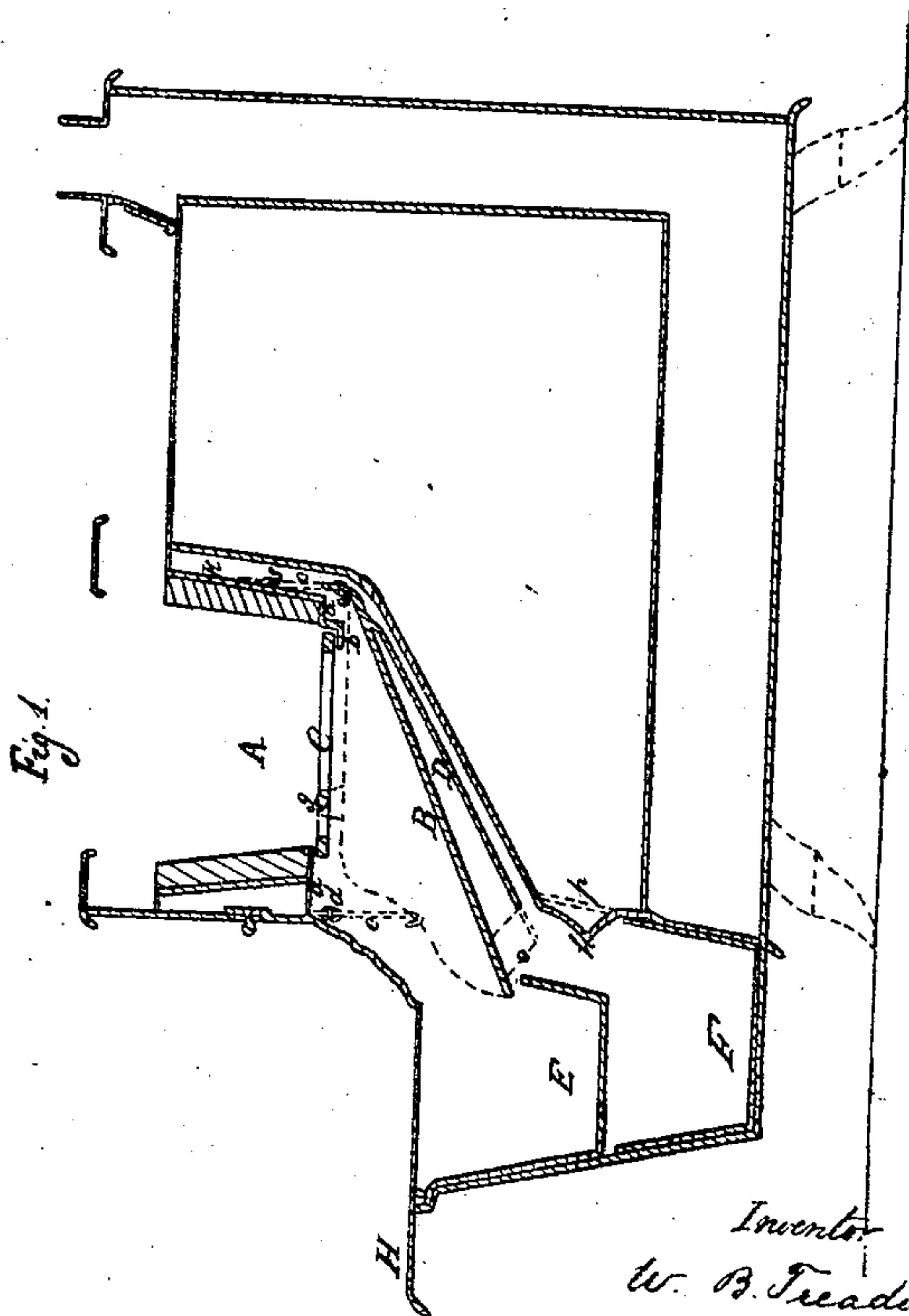
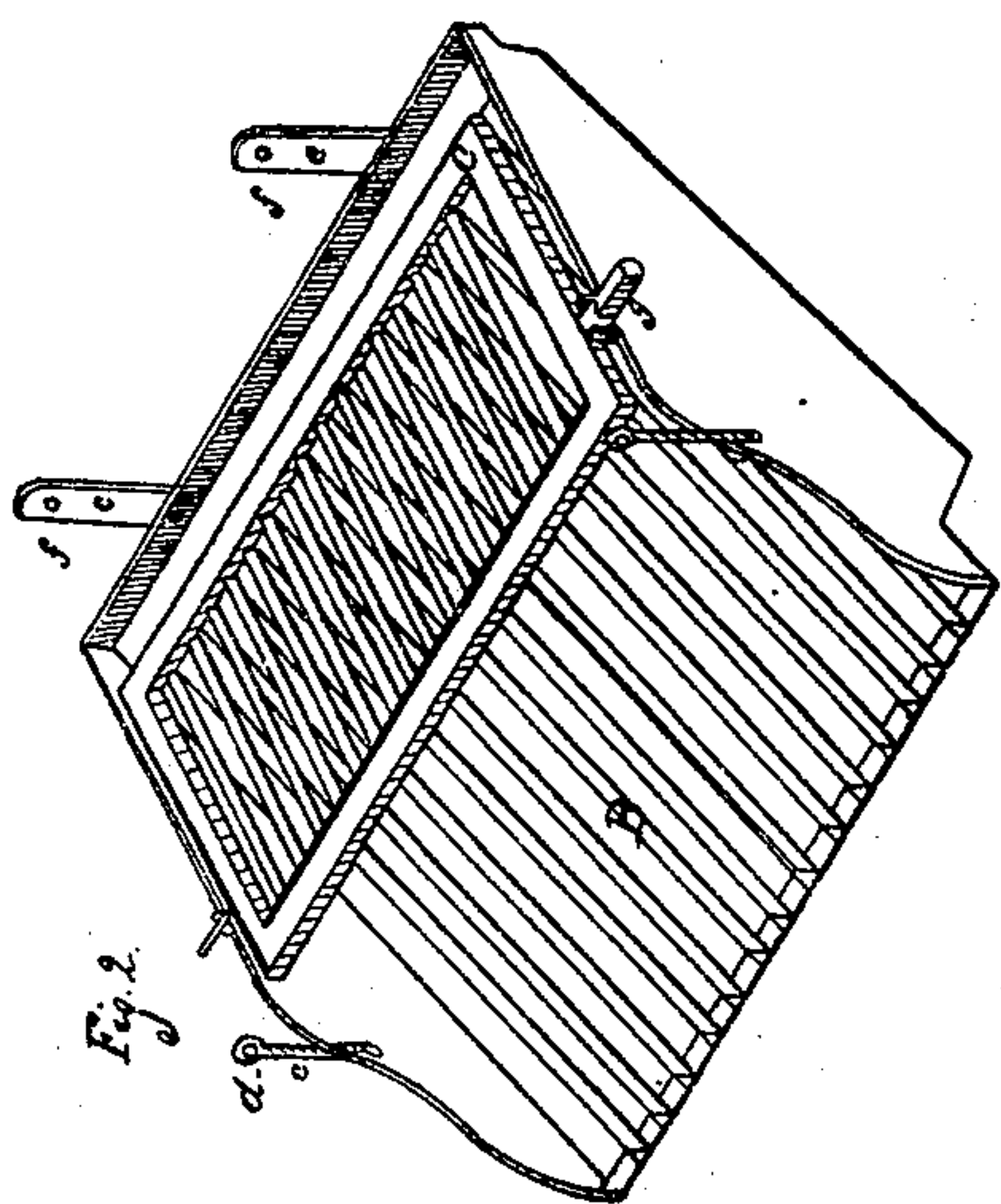
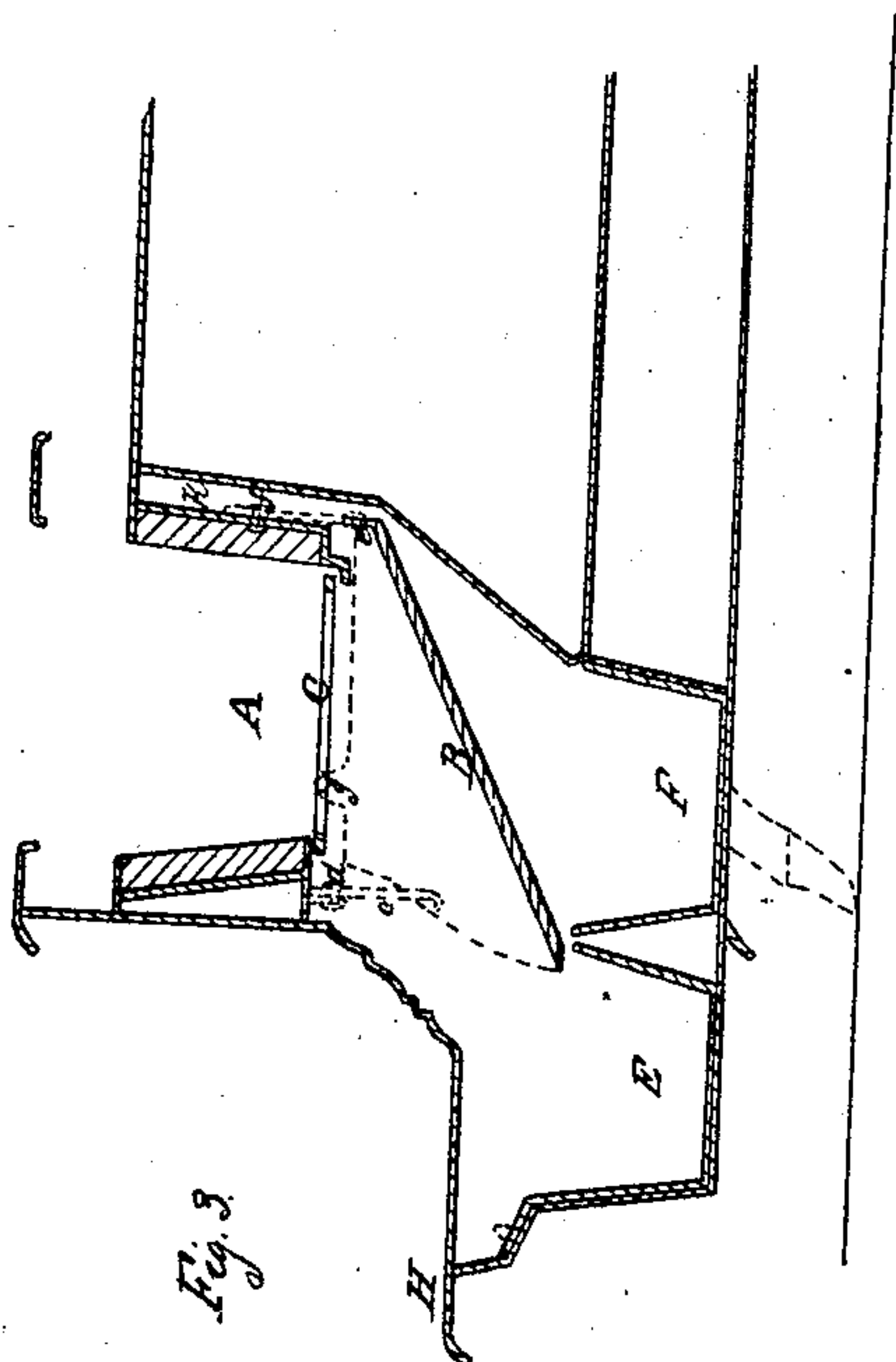
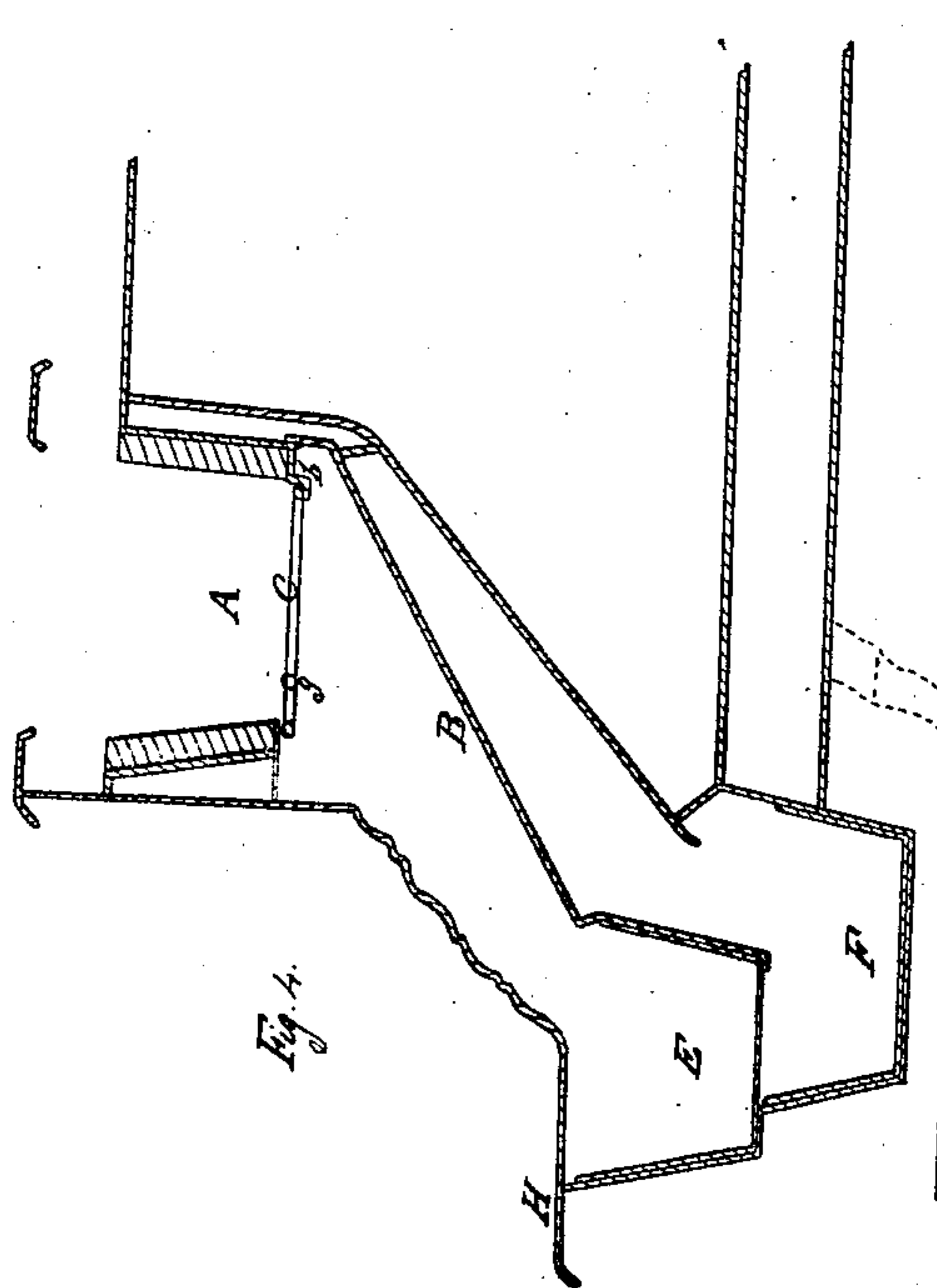


W. B. Treadwell.

Cooking-Stove.

N<sup>o</sup> 72937

Patented Dec. 31, 1867.



Witnessed.  
Thos. Broughton  
Elizabeth Treadwell

Inventor  
W. B. Treadwell

# United States Patent Office.

WILLIAM B. TREADWELL, OF ALBANY, NEW YORK.

*Letters Patent No. 72,937, dated December 31, 1867.*

## COOKING-STOVES.

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

### TO WHOM IT MAY CONCERN:

Be it known that I, WILLIAM B. TREADWELL, of the city and county of Albany, and State of New York, have invented a new and useful Improvement in Stoves; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, and to the letters marked thereon, the letters always indicating the same part of the stove.

The nature and object of my improvement are to connect with a stove, either cooking or otherwise, a sifter, by means of which the ashes and other refuse matter may be separated from the coal, which has been partially burned and dumped from the fire-chamber, or which may have passed through the grate holding the fuel within the fire-chamber, without making any dust or dirt within the room in which the stove is situated, as hereinafter described. The nature and character of my improvement will be better understood by consulting the annexed drawings.

Figure 1 of these drawings represents a vertical section through the stove from front to back, showing the fire-pot A, with its grate C, grated way B, inclined plate D, ash-pan F, and pan for receiving the coal after sifting, E.

Figure 2 is a perspective view of the grate C, the grated way B, and the inclined plate D, joined together that they may be vibrated together by one motion.

To enable others skilled in the art and trade of constructing stoves, to apply, make, and use my improvement, I will proceed to describe the same more definitely.

In fig. 1, hereto attached, A represents the fire-chamber; *a a* the frame of cast iron, which holds in its place the lining thereof, made of fire-brick or iron, forming the fire-chamber, and when placed in position, it forms a rabbet, *b*, which sustains the back edge of the grate.

In the same figure, B is a grated way, made to conduct the coal into the pan below, as hereinafter described. It is hung in front to the frame *a a* by means of hooks or rods *c c*, attached by bolts or rivets *d*, and behind the hook or rods joined to the grated way by rivets *e*, which are attached to a plate, *h*, placed vertically behind the fire-chamber, by means of rivets *f*.

C represents the fire-grate at the bottom of the fire-chamber, which grate has its bearing in front upon a shaft of iron, *g*, which rests upon the grated way, and behind upon a rabbet, *b*.

D, in the drawing, fig. 1, is an inclined plate, attached to the grated way in any suitable manner. Its purpose is to receive and conduct the ashes into the pan F below.

I attach the grated way B, the grate C, and the inclined plate D together, that they may be vibrated simultaneously by one motion or one application of force. The motion communicated, when constructed as above described, is a swinging vibratory motion.

E, in drawings, Figures 1, 3, and 4, is a pan to receive the coal from the grated way. F, in the same drawings, is a pan to receive the ashes from the inclined plate D, after the same have passed through the grated way B.

H, in the same figures, represents the hearth of the stove, which is made to swing from the stove, carrying with it the pans E and F, for the purpose of easily removing the pans with their contents from the stove.

The grate C and the grated way B may be used without the inclined plate D, in stoves constructed as represented in fig. 3, and the grated way B may be fixed in position, at an angle sufficient for the coal to pass to the coal-pan E, as represented in fig. 4.

The inclined plate D may be made longer, so as to project over the pan F, as shown at *o*, in the fig. 1, and the front oven-plate *h* may be made straight, as shown at *p*, in drawing, fig. 1.

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

1. I claim the grated way B, substantially in the manner, and for the purpose herein set forth and described.
2. I claim the inclined plate D attached to the grated way, substantially as described, and for the purposes herein set forth.
3. I claim the grate C, grated way B, and inclined plate D, in combination, substantially as and for the purpose described.
4. I claim the grated way B, the grate C, the inclined plate D, in combination with the coal-box E, the ash-pan F, constructed substantially as and for the purpose herein described.

Witnesses:

THOS. HOUGHTON,  
ELIZABETH TREADWELL.

W. B. TREADWELL.