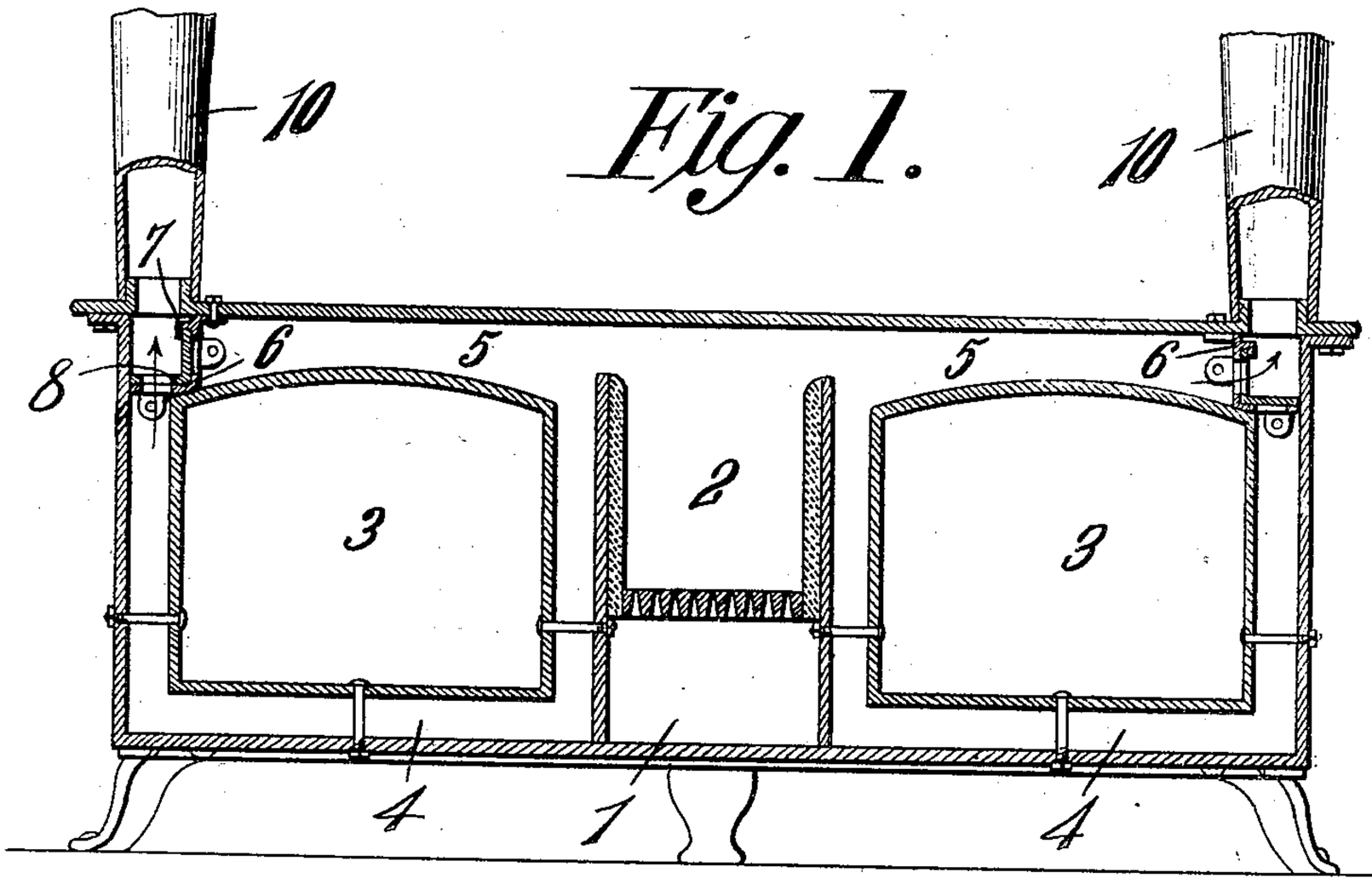
No. 843,773. PATENTED FEB. 12, 1907.

W. R. K. STANFORD.

COOK STOVE.

APPLICATION FILED SEPT. 29, 1906.

Fig. 1.



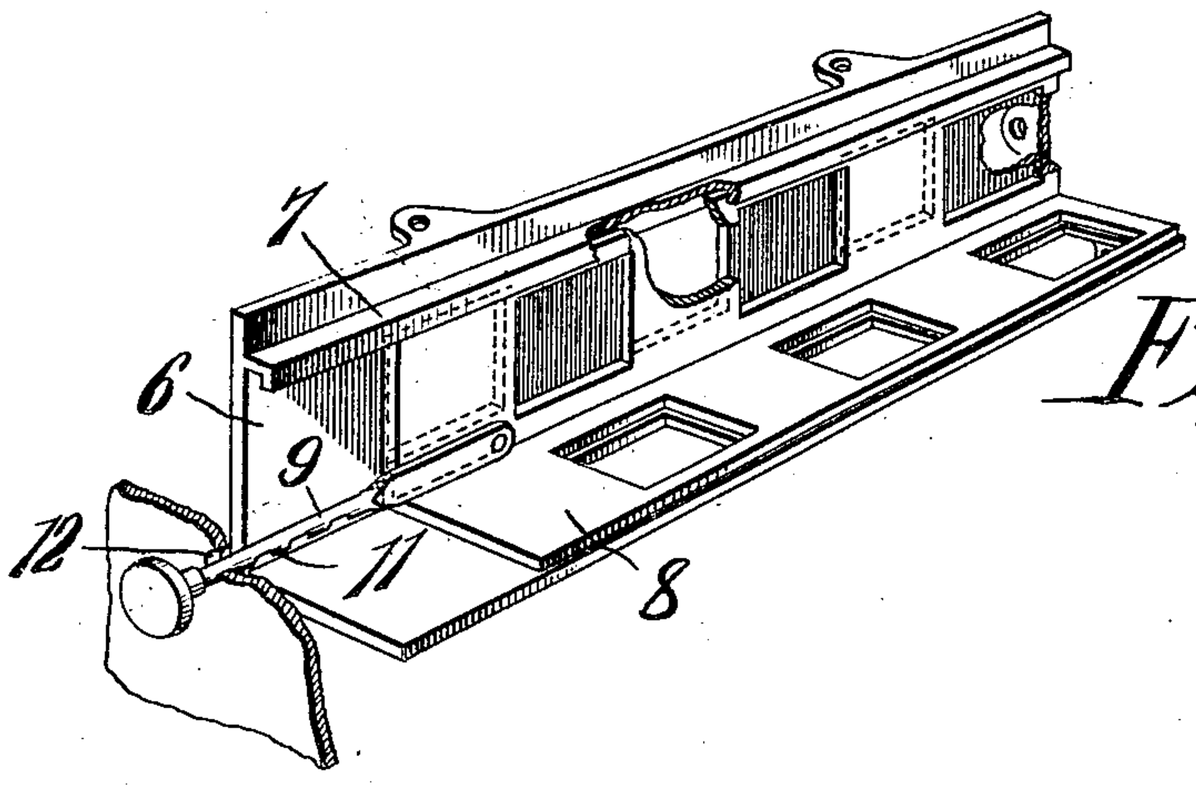


Fig. 2.

WITNESSES:

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WILLIAM R. K. STANFORD, OF SHEFFIELD, ALABAMA.

COOK-STOVE.

No. 843,773. Specification of Letters Patent. Patented Feb. 12, 1907.

Application filed September 29, 1906. Serial No. 336,696.

To all whom it may concern:

Be it known that I, WILLIAM R. K. STANFORD, a citizen of the United States, residing at Sheffield, in the county of Colbert and State of Alabama, have invented a new and useful Cook-Stove, of which the following is a specification.

This invention has relation to cook-stoves and dampers therefor; and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a cook-stove with a damper which is located at the upper corners of the oven and which may be operated to open or close the passage leading around under the oven or leading over the oven.

In the accompanying drawings, Figure 1 is a vertical sectional view of a cook-stove fitted with the damper. Fig. 2 is a perspective view of a stove, showing the damper in its back plate.

The stove 1 is provided with the usual fire-box 2 and oven 3. The heat-passage 4 passes around under the oven, and the heat-passage 5 passes over the top of the oven. The backing-plate 6 is made in the form of two leaves, which extend at right angles to each other. One of the said leaves is located over the upper end of the passage 4, and the other said leaf is located over the end of the passage 5. The apex of the plate 6 is thus located at the upper corner of the oven 3. The leaves of the said plate 6 are foraminous, and the perforations of one leaf are staggered with relation to the perforations of the other leaf. The vertically-disposed leaf of the plate 6 is provided with the guide 7. The damper 8 consists of two leaves, which also extend at right angles to each other. The upper edge of the vertically-disposed leaf of the damper 8 passes under the guide 7, and the outer edge of the horizontally-disposed leaf of the damper 8 bears against the side of the passage 4. The damper 8 is provided with a push-rod 9, by means of which the said damper is moved longitudinally. The leaves of the damper 8 are foraminous, and the perforations in one leaf are alined laterally with the perforations of the other leaf.

From the foregoing description it is obvious that the damper may be moved so that the perforations in its horizontal leaf will register with the perforations in the horizontal leaf of the backing-plate 6, and when such is the case communication is established between the fire-box 2 and through the passage 4, whereby the heat is carried around the oven 3. At the same time the solid portions of the vertically-disposed leaf of the damper 8 passes over and closes the perforations of the vertically-disposed leaf of the backing-plate 6. In a like manner when the perforations of the vertically-disposed leaf of the damper 8 are brought into register with the perforations of the vertically-disposed leaf of the backing-plate 6 the perforations in the horizontal leaf of the backing-plate 6 will be closed by the solid portions of the horizontal leaf of the damper 8. Thus communication between the fire-box 2 and through the passage 4 will be interrupted, but communication will be established from the fire-box through the passage 5 to the flue 10 over the top of the oven 3.

The push-rod 9 is provided in its under edge with a series of teeth 11, which are adapted to engage the edge of the perforation 12, provided in the side of the stove and through which the said rod passes.

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

A stove comprising a fire-box and an oven with a passage between the fire-box and the oven and a passage between the top of the stove and the oven, a backing-plate located at the upper corner of the oven and having a vertically-disposed leaf which extends from the oven to the top of the stove and a horizontally-disposed leaf which extends from the oven to the side of the stove said leaves being perforated in staggered relation to each other, the said vertically-disposed leaf having on its side a guide, a damper composed of leaves at right angles to each other and having perforations located transversely opposite each other one of the leaves of the damper having its upper edge fitting under the guide of the vertically-disposed leaf of the backing-plate and the outer edge of its other leaf fitting against a wall of the stove and a means for shifting said damper longitudinally.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM R. K. STANFORD.

Witnesses:
C. B. ASHE,
G. M. ARMISTEAD.