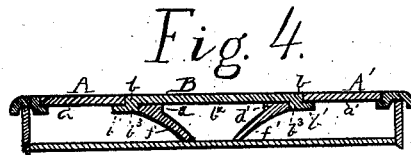
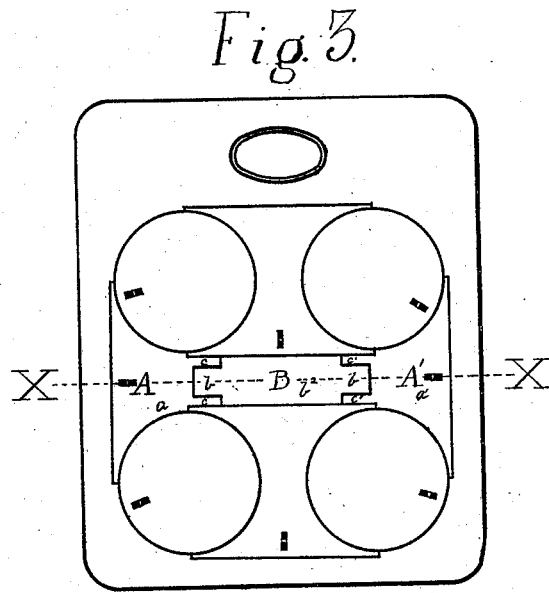
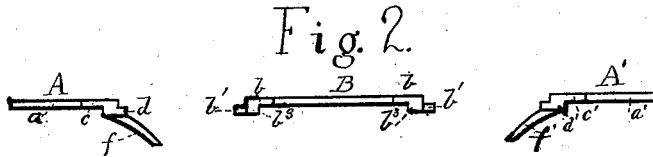
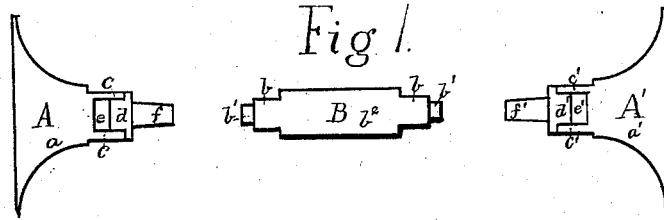


W. DEVORE & S. L. YOURTEE.
Long-Center for Stoves

No. 203,713.

Patented May 14, 1878.



Attest:
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UNITED STATES PATENT OFFICE.

WARD DEVORE, OF CALIFORNIA, AND SAMUEL L. YOURTEE, OF CINCINNATI, OHIO; SAID DEVORE ASSIGNOR TO SAID YOURTEE.

IMPROVEMENT IN LONG CENTERS FOR STOVES.

Specification forming part of Letters Patent No. 203,713, dated May 14, 1878; application filed June 25, 1877.

To all whom it may concern:

Be it known that we, WARD DEVORE, of the village of California, county of Hamilton, State of Ohio, and SAMUEL L. YOURTEE, of the city of Cincinnati, county of Hamilton, and State of Ohio, have invented certain new and useful Improvements in Long Centers for Stoves, of which the following is a specification:

Our invention relates, in general, to a novel mode of constructing long center-pieces for stoves; and, in particular, consists in making long centers in three or more pieces, so arranged as to unite together, forming a center which may be substituted for the ordinary center now in use. Our center-piece is supported on the ends like the ordinary center, and is prevented from sagging in the middle by suitable supports extending from the device and resting on the stove-plate immediately beneath.

It consists, moreover, in so constructing a long center made in pieces that it will have no unnecessary lateral motion, and can be lifted altogether from either end or the middle.

The advantages resulting from this invention are, first, the center-piece is well supported, so that it will not sag or warp at the middle; second, the center-piece is divided at several points of its length, so that expansion and contraction in all of its parts are provided for, and unequal expansion or contraction in different parts of its length does not warp or twist it; third, it is cheaply manufactured, and is simple, the pieces being easily locked together.

In the accompanying drawings, making part of this specification, Figure 1 is a top view of the separate portions of our device. Fig. 2 is a side elevation of the parts shown in Fig. 1. Fig. 3 is a top view of a stove with our long center in position. Fig. 4 is a portion of the section of the stove through the line X X of Fig. 3.

The long center consists of three pieces, A, A', and B. A and A' are symmetrical, and the two ends of B are symmetrical. Portion A consists of a main top plate, *a*, which terminates in two arms, *c c*. On the under side

of the arms *c c* a piece, *d*, is cast, which extends beyond the ends of the arms *c c*, and terminates in a tongue, *f*. Tongue *f* may be curved or straight. Portion *d* does not extend under whole length of arms *c c*, but leaves the hole *e* uncovered. The hole *e* is of sufficient size to admit tongue *b'* and stub *b''* of portion B. Portion B consists of a top, *b'*, from each end of which a tongue, *b*, projects. On the under sides of tongues *b b* stubs *b''* are cast, and are made of a size to fit loosely holes *ee'*. Stubs *b''* terminate in tongues *b'*. In order to hold the lids and short centers, the sides are rabbeted, as in the ordinary long center.

In setting the long center the tongue *b'* and stub *b''* are put through the hole *e*, and the tops of A and B become level, or rather in the same plane. Portion A' is now attached in a similar manner to the other end of B, and the tops of the three portions A, A', and B are now in the same plane, as shown in Fig. 4.

When put on the stove, the tongues *ff'* rest on the oven-plate or on the fire-back, and are made of such a length as to support portion B in its proper position.

On account of the right-angled joint formed by tongues *b b* between arms *c c* and *c' c'*, there can be no lateral motion. All parts are so made as to allow for expansion and contraction.

It is easily seen from the construction of the device that it can be lifted by lifting any one of the three portions of which it is composed.

It may be here remarked that it is not intended to limit this mode of making centers to long centers, but to apply it to short centers when desired.

What we claim as new, and desire to secure by Letters Patent, is—

A long center composed of three pieces, A, A', and B, constructed substantially as described.

California, Ohio, June 15, 1877.

WARD DEVORE.
SAML. L. YOURTEE.

In presence of—
RINEHART CHRIST,
WILLIAM W. TICE.