

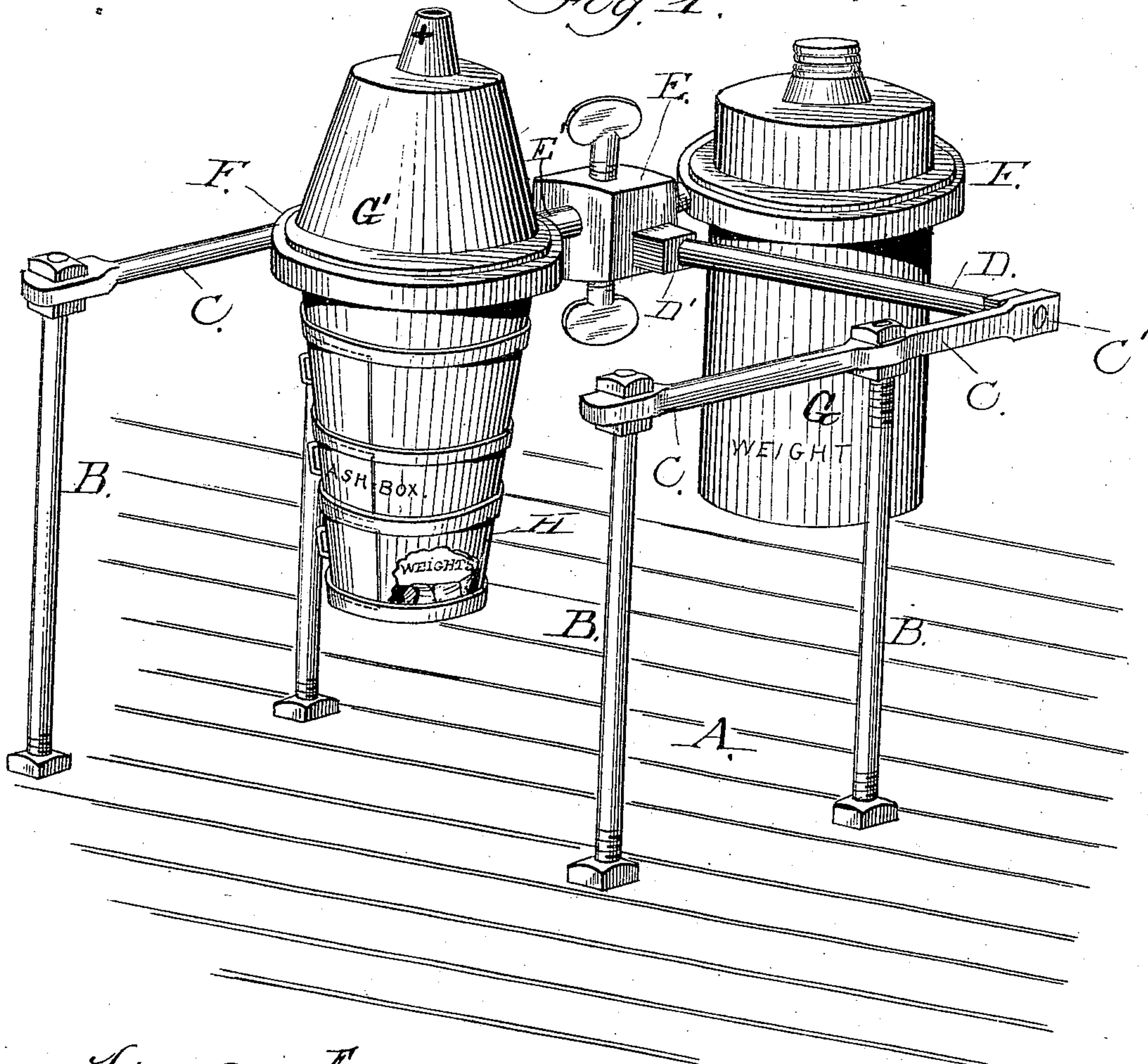
(No Model.)

W. G. SHOWERS.  
SELF ADJUSTING STOVE.

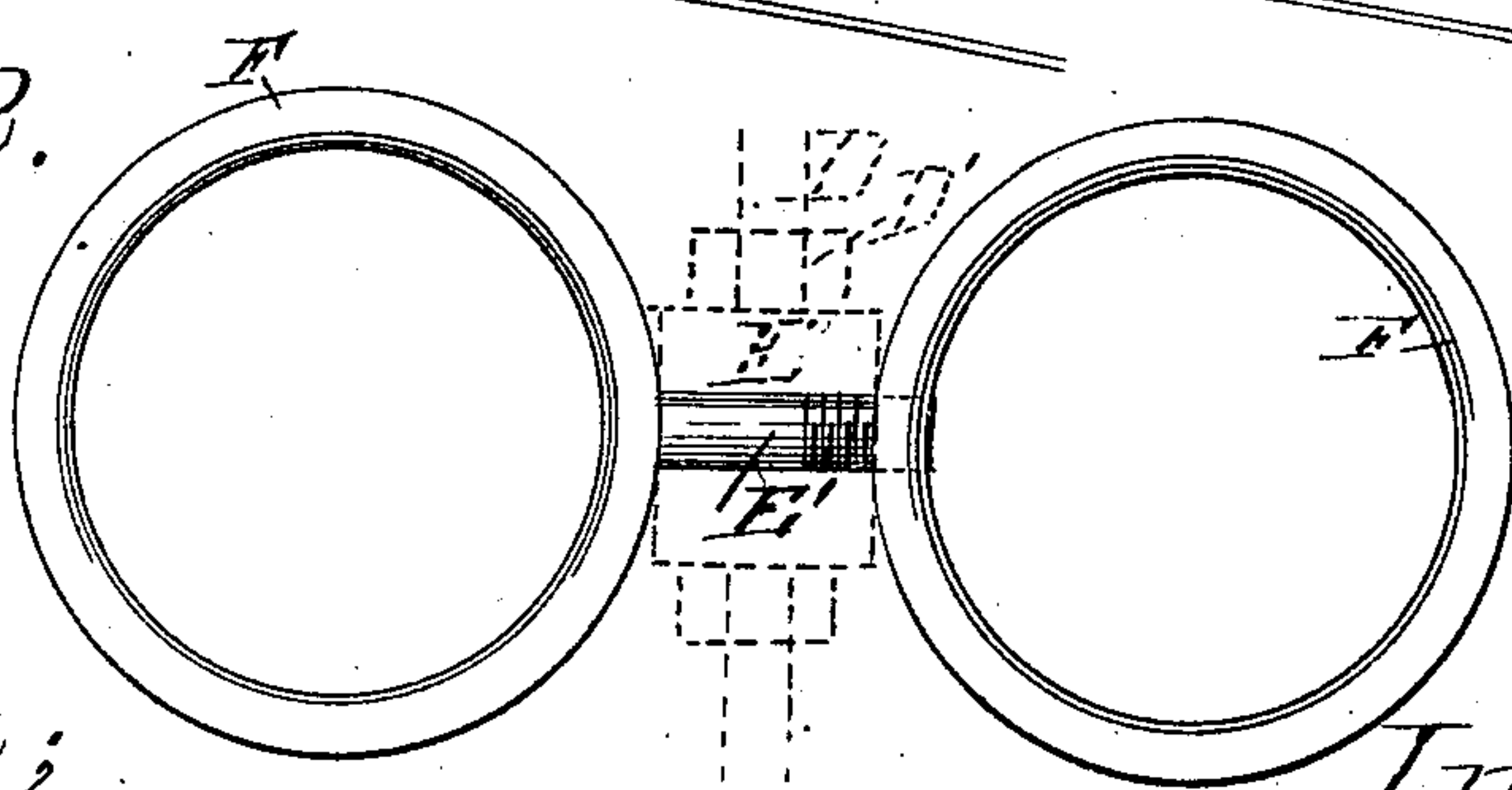
292,064.

Patented Jan. 15, 1884.

*Fig. 1.*



*Fig. 2.*



Attest;  
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# UNITED STATES PATENT OFFICE.

WILLIAM G. SHOWERS, OF RIDGWAY, ILLINOIS.

## SELF-ADJUSTING STOVE.

SPECIFICATION forming part of Letters Patent No. 292,064, dated January 15, 1884.

Application filed August 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM G. SHOWERS, a citizen of the United States of America, residing at Ridgway, in the county of Gallatin and State of Illinois, have invented certain new and useful Improvements in Self-Adjusting Stoves; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in stoves, its object being to provide a stove with supporting means whereby said stove is rendered self-adjusting, so that the stove will always maintain a vertical position; and my invention consists in the construction and combination of the parts, as will be hereinafter more fully set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view, and Fig. 2 is a detail view.

A represents a suitable base, which may be the floor of a building, car, vessel, or other structure, which floor is provided with suitable means for supporting the standards B, which standards are provided at their upper portion with connecting and supporting bars C, which project beyond the same. To these projecting ends C' is attached a supporting-bar, D, which bar is provided near its central portion with offset D', which offset may be nut, pin, or other means. Between these offsets D' upon the rod D is placed a suitable block, E, which is preferably square, which block is provided with two perforations, which cross each other at right angles. One of these perforations is placed over the rod D, so that it will lie within the offset D'. Opposite each of these perforations are suitable set-screws, as shown. Through the upper perforation in the central block, E, passes a connecting-bar, E', each end of which is secured to rings F. One end of this connecting-bar is screw-threaded, so that the bar may be passed

through the perforation and the ring attached thereto. Within one of these rings is suspended a receptacle, G, which is adapted to receive weight for the purpose of counterbalancing the weight of the stove, and to the opposite ring the stove G' is rigidly attached, which stove is constructed with reference to the special object in view, the grate and ash-box being located in the lower portion of the same.

When this stove is constructed of two or more parts, the parts are united by suitable rods and bolts. In the extremelower end of this stove is provided a suitable receptacle, H, in which may be placed heavy weights in order to give more stability to the same. The upper part of the stove, to which the pipe is attached, is conical, and the pipe may be secured to this conical portion by a transverse pin which passes through slots which are formed both in the stove-pipe and in the conical portion, these slots crossing each other at right angles, thus allowing considerable motion to this portion of the stove without displacing the stove-pipe. When it is desirable that the stove should be held rigidly, the thumb-screws upon the central connecting-block may be tightened for this purpose.

It will be evident that a stove of this construction will be especially useful on railway-cars or marine vessels, or in other places where there is a great deal of motion, and where ordinary stoves would be liable to be upset, as no matter at what angle the floor or base may be the stove will always be kept in a vertical position.

Having thus described my invention, so that the same will be fully understood, and illustrated one manner of carrying the same into operation, I reserve the right to modify the construction of the same without departing from the spirit of my invention.

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

1. In combination with a stove having an independent weight-receptacle, H, a counter-weight receptacle, G, the stove and weight being supported within frames F F, and by a block, E, pivoted upon the rod D, the parts

being organized substantially as shown, and for the purpose set forth.

2. The improved self-adjusting stove herein described, secured within a frame which  
5 supports the counter-weight, said stove and frame being attached to a block having right-angled perforations and set-screw, said block being supported upon a bar provided with off-

set, as shown, and supporting means, for the purpose set forth. 10

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM G. SHOWERS.

Witnesses:

W. P. HEMPHILL,

B. F. PORTER.