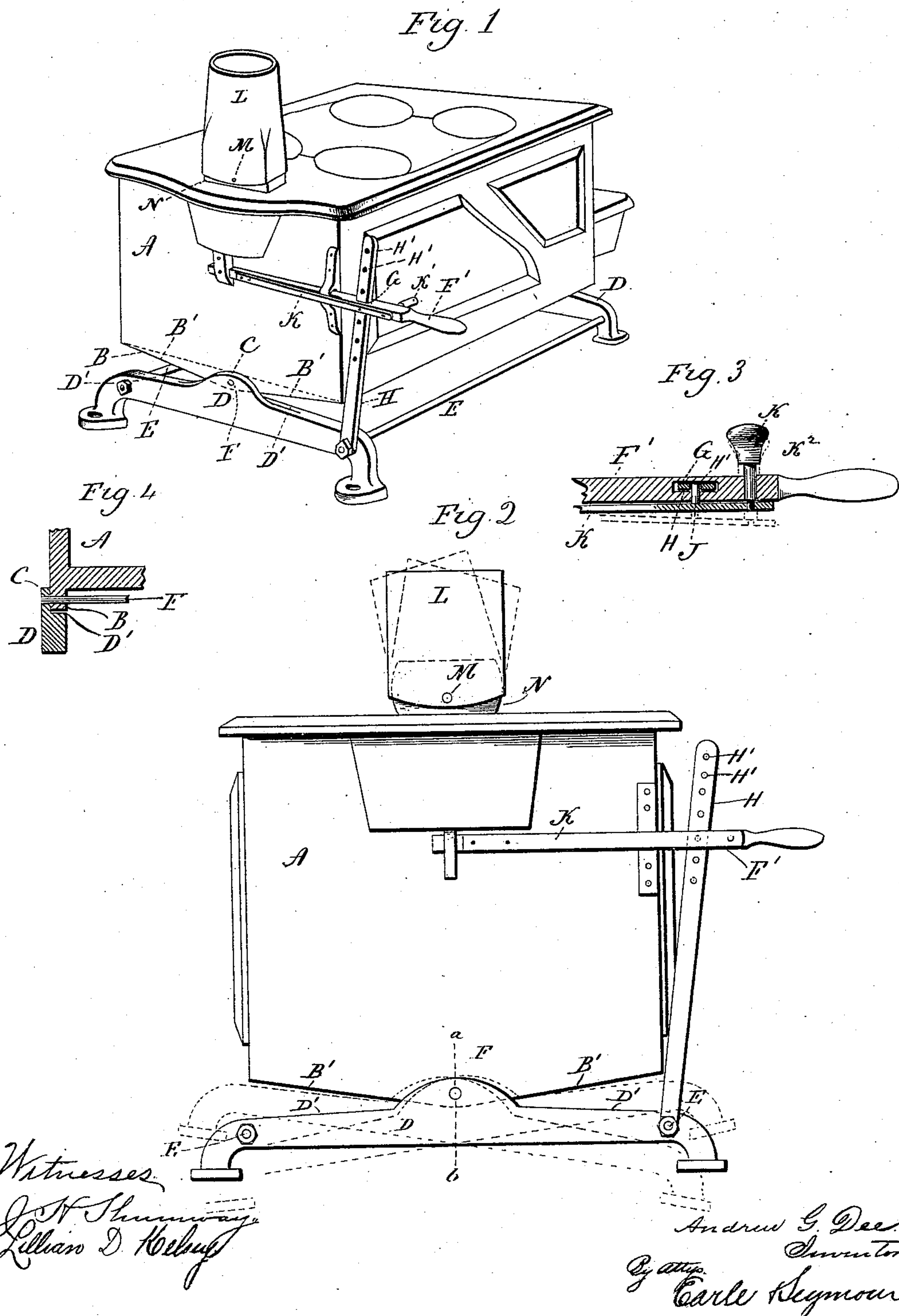


(No. Model.)

A. G. DEE.
STOVE.

No. 456,357.

Patented July 21, 1891.



UNITED STATES PATENT OFFICE.

ANDREW G. DEE, OF WESTBROOK, CONNECTICUT.

STOVE.

SPECIFICATION forming part of Letters Patent No. 456,357, dated July 21, 1891.

Application filed February 3, 1891. Serial No. 379,991. (No model.)

To all whom it may concern:

Be it known that I, ANDREW G. DEE, of Westbrook, in the county of Middlesex and State of Connecticut, have invented a new
5 Improvement in Stoves; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which
10 said drawings constitute part of this specification, and represent, in—

Figure 1, a rear perspective view of a stove constructed in accordance with my invention; Fig. 2, a view thereof in rear elevation; Fig.
15 3, an enlarged view in longitudinal section of the locking mechanism. Fig. 4 is a broken view in vertical section on the line *a b* of Fig. 2.

My invention relates to an improvement in cooking-stoves for use on shipboard, the object being to adapt them in a simple, convenient, and effective manner to be adjusted in
20 relation to the inclination of the ship.

With these ends in view my invention consists in a stove suspended from its lower
25 edge, so as to rock on its longitudinal center, and provided with locking devices for holding it in any of its positions, and in certain details of construction and combinations of parts, as will be hereinafter described, and
30 pointed out in the claims.

As herein shown, the body A of the stove is provided at its rear and at its forward end with a flange B, depending below its lower edge and beveled in opposite directions toward its center, as at B' B'. The stove-body thus constructed is set between the upwardly-projecting flanges C of two frame-pieces D D, which, together with the stay-rods E E uniting them, form the base or support of the stove. A long
35 rod F, passing through the flanges B and C of the stove and frame-pieces, forms a pintle for the stove-body to swing upon, the stove-body being thus suspended to rock on its longitudinal center. The flanges C, before mentioned, are not as thick as the frame-pieces D, which therefore form bearings D' D' for the ends of the stove-body to rest upon in case the same is sufficiently rocked to one side or
45 the other.

50 A horizontal operating-lever F', rigidly secured to the rear wall of the stove-body and just above the center thereof, is provided with

a vertical opening G for the passage through it of the upper end of an arm H, the lower end of the said arm being pivoted to the rear
55 extremity of the adjacent stay-rod E, while its upper end is furnished with a vertical series of perforations H', which receive a pin J, located near the outer end of a spring K, applied to the outer face of the lever F' and extending parallel therewith. A button K',
60 mounted in the outer end of the lever F and having a shouldered shank K², is arranged to engage, when pressed inward, with the outer end of the spring K, whereby the same is
65 pushed back and the pin J withdrawn from engagement with the pivoted arm H.

To insure the accommodation of the stove-pipe to the position of the stove-body, I round or bevel the lower end of the first joint L of
70 the pipe and secure it by a pivot M to the short shank N, formed upon the stove-body to receive it.

It will be clear from the drawings and foregoing description that by suspending the stove
75 to rock on its longitudinal center and providing it with locking devices for securing it in any of its positions it may be accommodated to the inclination of the ship and with obvious convenience.
80

By suspending the stove from its lower edge the suspension devices do not interfere with its convenient use, my stove being an improvement in this respect over prior stoves of the same general description, which have been
85 hung from their upper portions by devices rendering them less convenient to use.

I do not limit myself to the particular means herein shown of mounting the stove, nor to the special locking devices represented, but
90 would have it understood that I hold myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of my invention.

I am aware, as before indicated, that stoves
95 suspended so as to accommodate themselves to a ship's motion are not new, and also that it is old to provide them with means for fixing them in their different positions.

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

1. The combination, with a stove suspended from its lower edge on the line of its longi-

tudinal center, whereby the devices employed for its suspension do not interfere with its convenient use, of adjustable locking mechanism permanently connected with it for securing it in any of its positions within the range of its rocking movement, substantially as described.

2. The combination, with an independent base, of a stove pivoted thereto at its lower edge on the line of its longitudinal center, and an adjustable locking mechanism comprising a horizontal arm rigidly secured to the back of the stove, and a pivoted vertical arm with which the said lever is engaged at different elevations, according to the inclination of the stove, substantially as described.

3. The combination, with an independent base, of a stove pivoted thereto at its lower edge on its longitudinal center, a horizontal lever secured to the stove, an arm pivoted at its lower end, constructed with a vertical se-

ries of perforations and passing through a vertical slot formed in the said lever, a spring carrying a pin to enter the perforations in the said arm, and a button mounted in the said lever and impinging against the spring for operating the same, substantially as described.

4. The combination, with a stove suspended on its longitudinal center, of a locking mechanism for securing it in any of its positions within the range of its rocking movement, and a pivotal stove-pipe section, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ANDREW G. DEE.

Witnesses:

FRED C. EARLE,
LILLIAN D. KELSEY.