

G. R. MOORE.
Heating-Stoves.

No. 140,155.

Patented June 24, 1873.

Fig. 1.

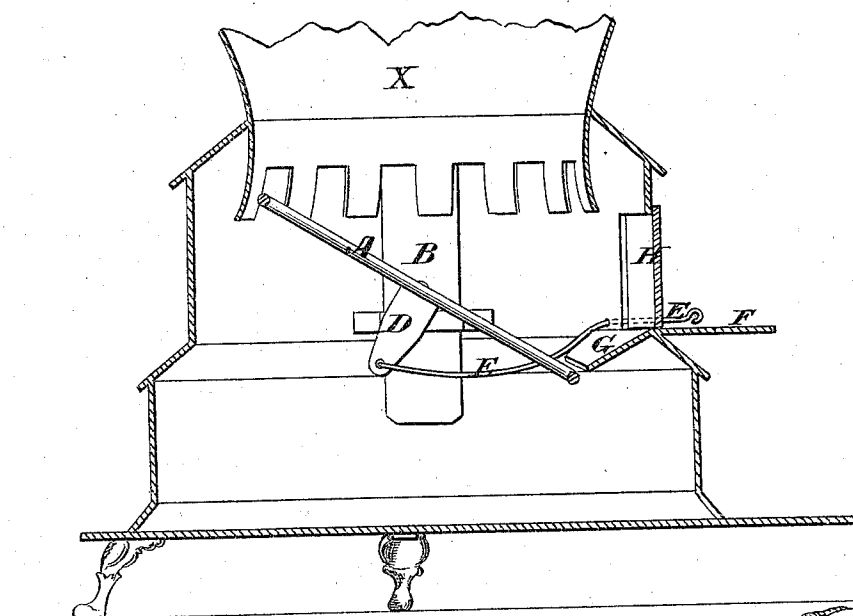


Fig. 2.

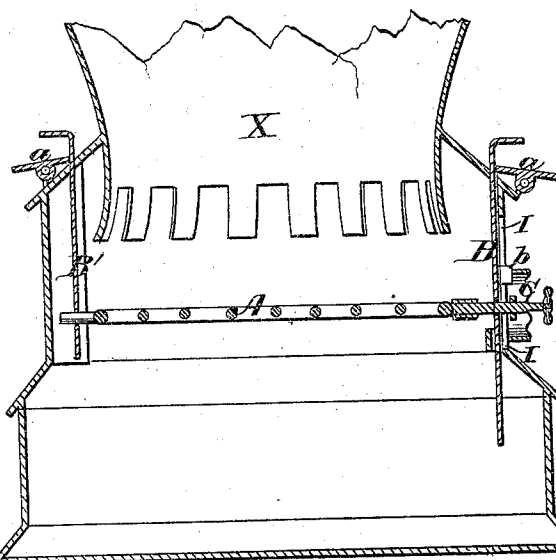
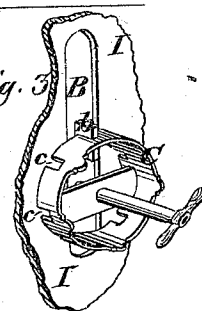


Fig. 3.



Witnesses.
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GEORGE R. MOORE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN HEATING-STOVES.

Specification forming part of Letters Patent No. **140,155**, dated June 24, 1873; application filed March 28, 1873.

To all whom it may concern:

Be it known that I, GEO. R. MOORE, of the city and county of Philadelphia and State of Pennsylvania, have invented Improvements in Stoves, of which the following is a specification:

The object of my invention is to improve the facilities for managing the grates, and for utilizing coal-fires in stoves and heaters.

Figure 1 is a transverse vertical section of the base of an ordinary heating-stove with my improvement applied, and Fig. 2 is the same taken at right angles with Fig. 1.

The grate A, of common form, is suspended upon journals resting in the adjustable hangers B and B', the journal of the grate upon one side extending through the hanger B, and the outside casing of the stove I I terminates in a handle or ring, C, which is nitched in several places *c c* for latching or locking upon the nib *b* extending outward from the face of the hanger B, which is also a guard-plate for the opening through the casing of the stove I I, keeping it constantly closed. The hangers B B', having a free up-and-down movement, and carrying the grate with them, are held at any desired height by the pawls *a a*.

An optional mode of tipping the grate is shown by the lug D extending down from it, and the rod H loosely jointed in it, and extending outside the stove. An elevated hearth, F, and door H, are placed above the ordinary ash-pit. Also an inclined plate, G, extending

inward and downward from the hearth F, affords, with the grate inclined, as seen in Fig. 1, a kind of lap, where a quantity of live coals can be retained and utilized through the door H.

Fig. 3 is a perspective of the parts jointed to and moving with the hanger B, which, as before mentioned, is also a guard-plate over the opening through the outside casing of the stove through which the journal of the grate is extended.

X is the fire-chamber.

I claim—

1. The guard-plate obtained by the hanger B closing the aperture for the grate-journal through the outside casing of the stove.
2. The pawl *a a*, in combination with the grate-hanger B, substantially as shown.
3. The nib *b*, or its equivalent, upon the hanging B.
4. The nitched ring C, or its equivalent, upon the journal of the grate, for locking or latching the same, upon the hanger B, by the nib *b*, and holding the grate at any desired angle upon which it may be placed.
5. The arm D and rod E, in combination with the grate A suspended upon adjustable hangings B B'.

GEO. R. MOORE.

Witnesses:

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