

(No Model.)

J. McCONNELL.

OIL STOVE.

No. 322,949.

Patented July 28, 1885.

Fig. 1.

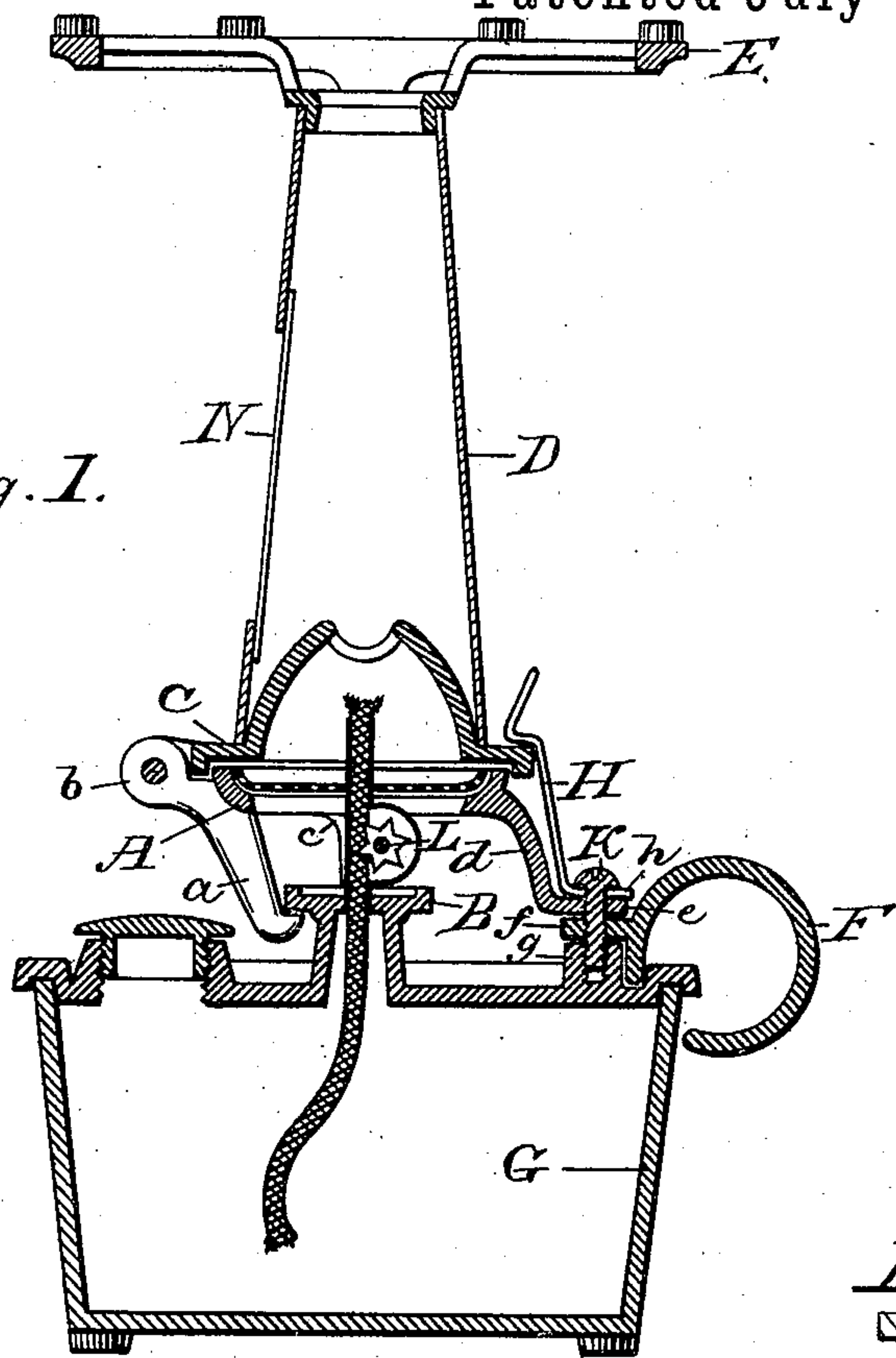


Fig. 3.

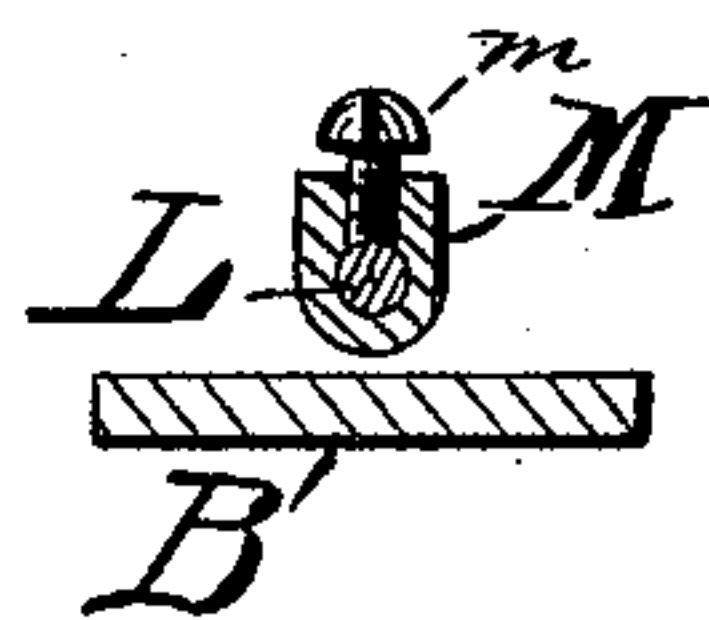
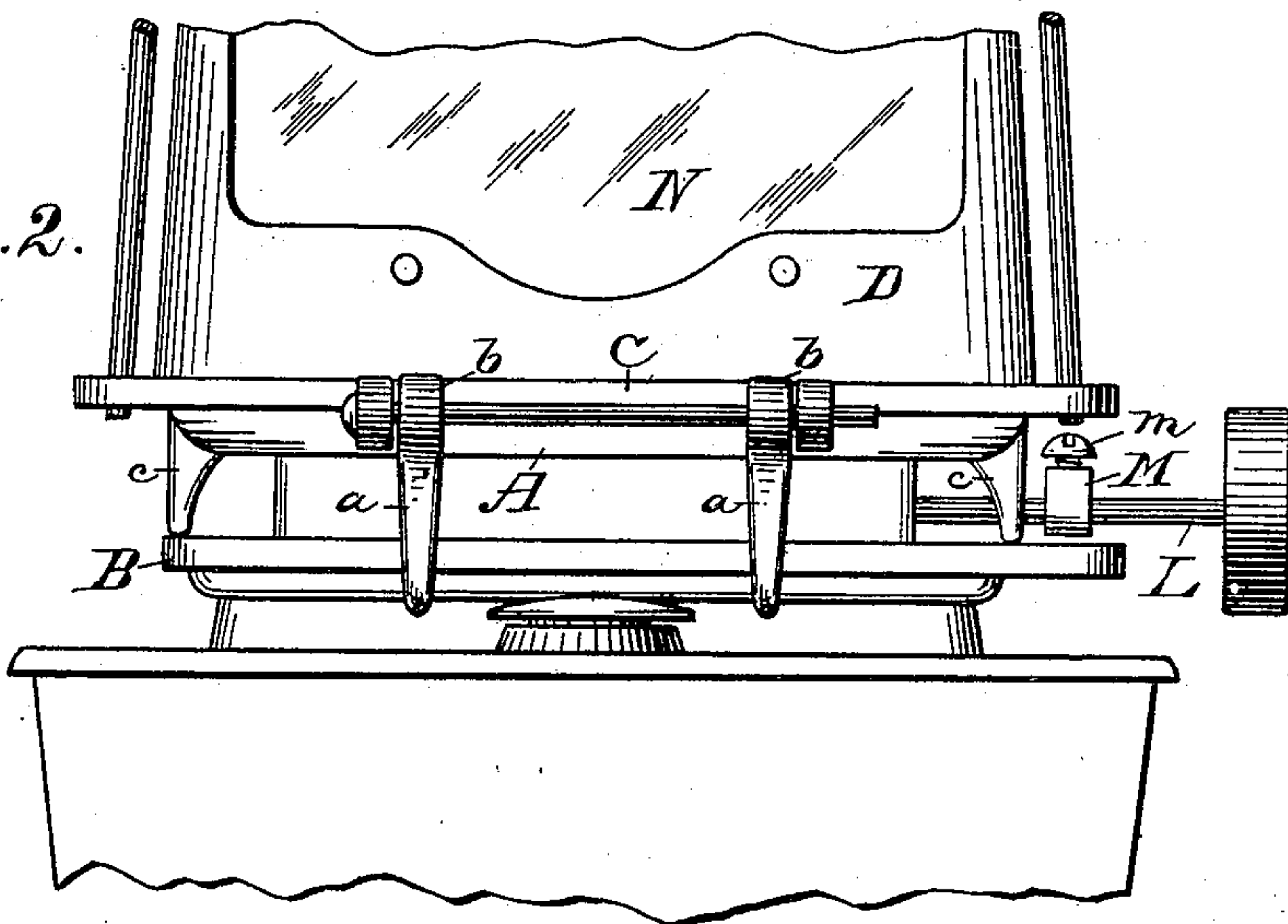


Fig. 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN McCONNELL, OF CLEVELAND, OHIO.

## OIL-STOVE.

SPECIFICATION forming part of Letters Patent No. 322,949, dated July 28, 1885.

Application filed June 13, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN McCONNELL, a citizen of the United States, residing at Cleveland, county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Oil-Stoves; and I do hereby declare the following to be a description of the same, and of the manner of constructing and using the invention, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it appertains to construct and use the same, reference being had to the accompanying drawings, forming a part of the specification, the principle of the invention being herein explained, and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

Figure 1 is a central vertical transverse section. Fig. 2 is a front elevation, the reservoir and chimney being in part broken away. Fig. 3 is a detail sectional view of the stop device controlling the wick-adjusting rod.

The cone-stand A is provided at its rear side with two depending hooks, *a*, whose lower extremities engage with the under side of the burner-plate B. The upper extremities of the hooks form brackets *b*, to which is hinged the cone C, with its attendant chimney D and top platform, E. Each end of the cone-stand has a leg, *c*, having bearing on the burner-plate, while the front of the cone-stand has depending from its center the arm *d*. The latter has its free extremity provided with a forwardly-projecting horizontal extension, *e*, which is perforated. The handle F is formed as an independent part having a horizontal extension, *f*, which seats upon the socket-stud *g*, formed upon the top of the reservoir G. Extension *e* rests upon extension *f*, and spring-clasp H has a corresponding extension, *h*, which rests upon said extension *f*. A screw, K, passes through perforations in the three extensions and engages with the screw-threaded socket of the stud, thus clamping the clasp, the arm of the cone-stand, and the handle securely to the reservoir. The cone-stand is in this manner maintained firmly in normal position on the burner-plate, according to the principle of the first order of levers, the legs thereof answering to the fulcrum, the arm being the power and the hooks being the weight.

The ratchet-rod L is provided with a stop, M, eccentrically fitted thereon, the rod passing through a transverse perforation at the heel of the stop, and a set-screw, *m*, passing through a longitudinal perforation of the stop, and having end bearing on the rod. The two longitudinal sides of the stop are respectively adapted to strike against the top of the burner-plate as the rod is rotated to one hand or the other; and the adaptation of parts is such that as the rod is rotated to turn up the wick said stop arrests its movement just short of the smoking-point of the wick, while on rotating the rod to turn down the wick the movement is arrested short of the point beyond which the wick would pass below the ratchet. The set-screw permits the stop to be fixed at any desired point on the rod, and also permits of the free rotation of the latter, while the stop is not carried therewith, when so desired.

The chimney has one side provided with a mica window, N, thereby adapting the device to serve either as a stove or lamp, or as both conjointly.

The drawings represent the invention as applied to a stove having a single burner, it being apparent that the improvements are adapted to a stove having any desired number of burners.

What I claim is—

1. The combination, with the burner-plate and a cone-stand having one or more depending hooks which engage with said plate, of one or more cone-stand legs which rest on the latter, a clamp which secures the cone-stand in position, and a cone hinged to the cone-stand, substantially as set forth.

2. The combination, with a reservoir and a burner-plate, of a cone-stand having one or more legs resting on the latter, one or more depending hooks engaging with the burner-plate, and a depending arm adapted to be clamped to the reservoir, said cone-stand having a cone hinged thereto, substantially as set forth.

3. The combination, with a reservoir having a top stud, of a handle bearing on the latter and a fastening connecting the two together, substantially as set forth.

4. The combination, with a reservoir having a top stud and a cone-stand having an

arm, of a handle and a fastening which clamps said arms and handle to said stud, substantially as set forth.

5 5. The combination, with a reservoir having a top stud and a handle, of a cone-stand having an arm, a cone-clasp, and a fastening which holds said parts together, substantially as set forth.

10 6. The combination, with a cone-stand having a depending arm, a handle, and a cone-clasp, said three parts respectively provided with a horizontal extension, of a fastening which clamps said extensions to the reservoir, substantially as set forth.

15 7. The combination, with burner-plate B and rod L, of the stop M, adjustably fitted thereon and adapted by engagement with said burner-plate to limit the movement of the rod, substantially as set forth.

8. The combination, with burner-plate B 20 and rod L, located above the latter, of the stop M, adjustably and eccentrically fitted thereon, the two sides of said stop respectively engaging with the top of said burner-plate to limit the movement of said rod, substantially 25 as set forth.

9. The combination, with wick-rod L and burner-plate B, of stop M, loosely fitted on said rod, and set-screw *m*, threaded in a hole 30 in the stop and having end bearing against the rod, said stop engaging with said burner-plate to limit the rotary movement of said rod, substantially as set forth.

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Witnesses:

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