(No Model.)

R. P. McKAY.

HEATING STOVE.

No. 580,215. Patented Apr. 6, 1897.

Fig. 1.

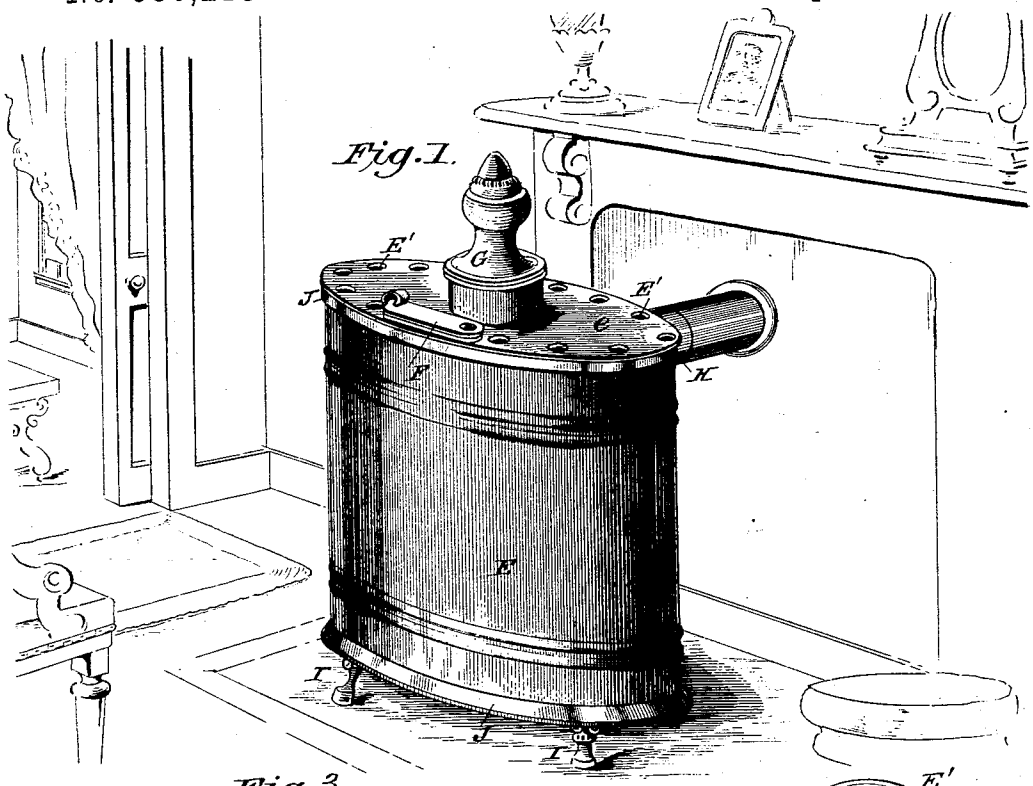


Fig. 3.

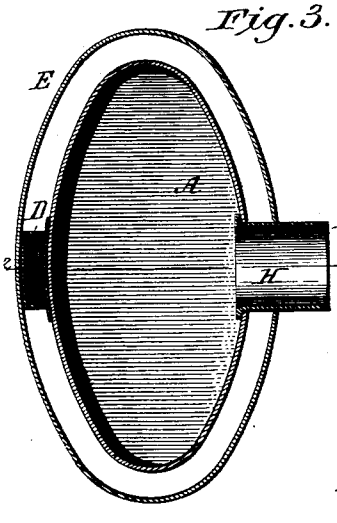


Fig. 2

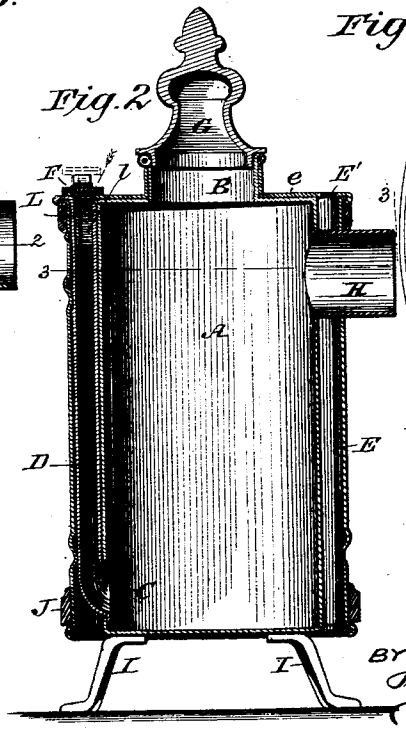
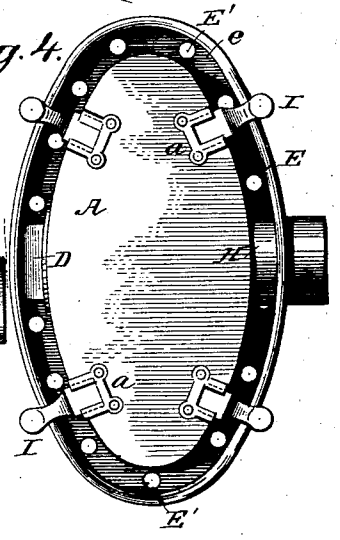


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

RICHARD P. McKAY, OF PORTLAND, OREGON, ASSIGNOR TO SOL OPPENHEIMER, PHILIP GOLDSMITH, AND BERTHOLD GOLDSMITH, OF SAME PLACE.

HEATING-STOVE.

SPECIFICATION forming part of Letters Patent No. 580,215, dated April 6, 1897.

Application filed July 25, 1896. Serial No. 600,510. (No model.)

To all whom it may concern:

Be it known that I, RICHARD P. McKAY, residing at Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Heating-Stove, of which the following is a specification.

My invention relates more particularly to improvements in wood-burning heaters; and such invention primarily has for its object to provide a heater of this character of a very simple and economical construction and having the burning-cylinder and heating-jacket so arranged as to provide for a free and uniform circulation of air through the heating-space to maintain an even temperature.

Furthermore, my invention seeks to provide a jacketed heater having a burning-cylinder made practically air-tight—*i. e.*, without ash-pit or discharge-openings in the bottom.

The invention consists in a stove of the kind described embodying the peculiar and novel structure and combination of parts, which will be first described in detail and then be pointed out in the appended claim, reference being had to the accompanying drawings, in which—

Figure 1 is a view illustrating my invention as in use. Fig. 2 is a vertical section of the same on the line 2 2 of Fig. 3. Fig. 3 is a horizontal section taken on the line 3 3 of Fig. 2, and Fig. 4 is an inverted plan view of the same.

Referring now to the accompanying drawings, in which the same letters indicate like parts in all the figures, A indicates the inner or burning cylinder, which is made of sheet-steel or other suitable material, its top having a large central fuel-opening B to admit large pieces of wood.

By referring now more particularly to Figs. 2 and 4 it will be seen the body A has no ash-collecting or discharge-opening, its lower end having but a single opening C, which serves as a draft-opening which communicates with the draft-flue D, which extends up between the outside of the body A and the surrounding heat-jacket E and up through the top *e* of the jacket, where it has a damper or regulating-valve F.

The jacket E is open at the bottom to form an uninterrupted passage and admit of a free circulation of cold air, which is drawn in at the bottom and which passes out as hot air through the openings E′ in the top of the jacket.

The fuel-opening C has a hinged cover G, and the body A has an offtake H near the upper end which passes through the outer jacket, as shown.

The bottom of the body A has castings *a a* secured thereto to receive supporting-legs I I, and in practice the upper and lower ends of the jacket have annular nickel-plated ornamental rings J J.

As the draft enters at top of stove and passes down and enters into the bottom, and the offtake being at the top, the stove will not smoke or discharge through the fuel-opening during the operation of entering fuel.

To provide a simple means for increasing the draft, the upper part of the draft-flue has an extensible member L, which is made to slide into the top of the flue portion proper, and has one side open, as at *l*, (see Fig. 2,) so that when extended, as shown in dotted lines in Fig. 2, air will also enter at the side as well as through the top, which carries the damper or valve hereinbefore referred to.

By arranging the outside jacket as shown the same will not become discolored from the heat.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A wood heating-stove consisting of an inner or heating drum having supporting-legs and having a feed-opening in the top and an offtake near the upper end, a surrounding-jacket open at the bottom and provided with a series of openings in the top, a draft-flue held between the inner and outer members said flue opening into the inner drum at the lower end and having its upper end extended through the top of the jacket portion said upper end having a detachable sliding member open at one side and open at the top, and a valve or damper held on the top substantially as shown and for the purposes described.

RICHARD P. McKAY.

Witnesses:
SOL OPPENHEIMER,
R. B. JONES.