

No. 811,635.

PATENTED FEB. 6, 1906.

W. P. HARRISON.
OIL STOVE.

APPLICATION FILED JULY 6, 1905.

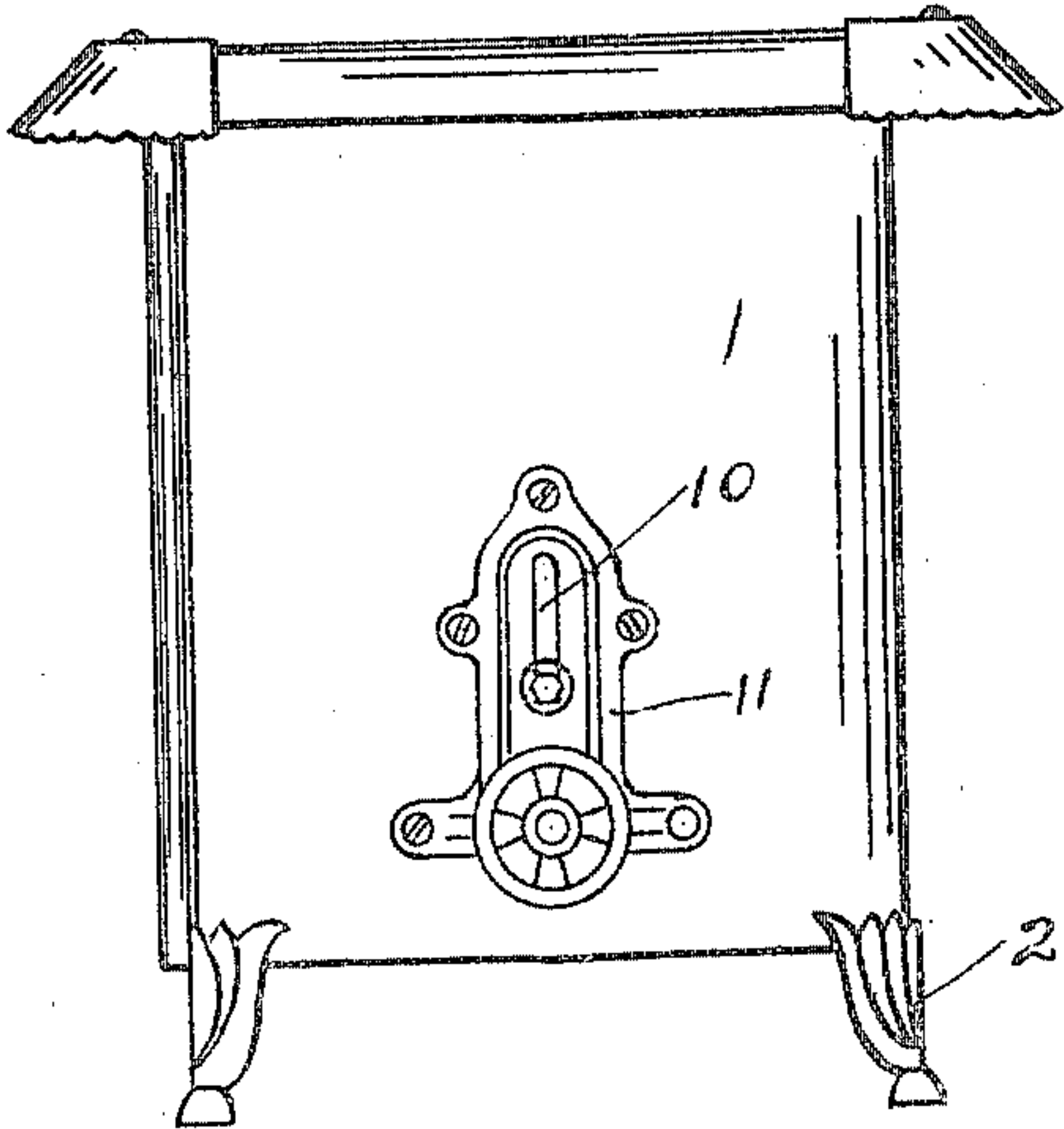


Fig. 3.

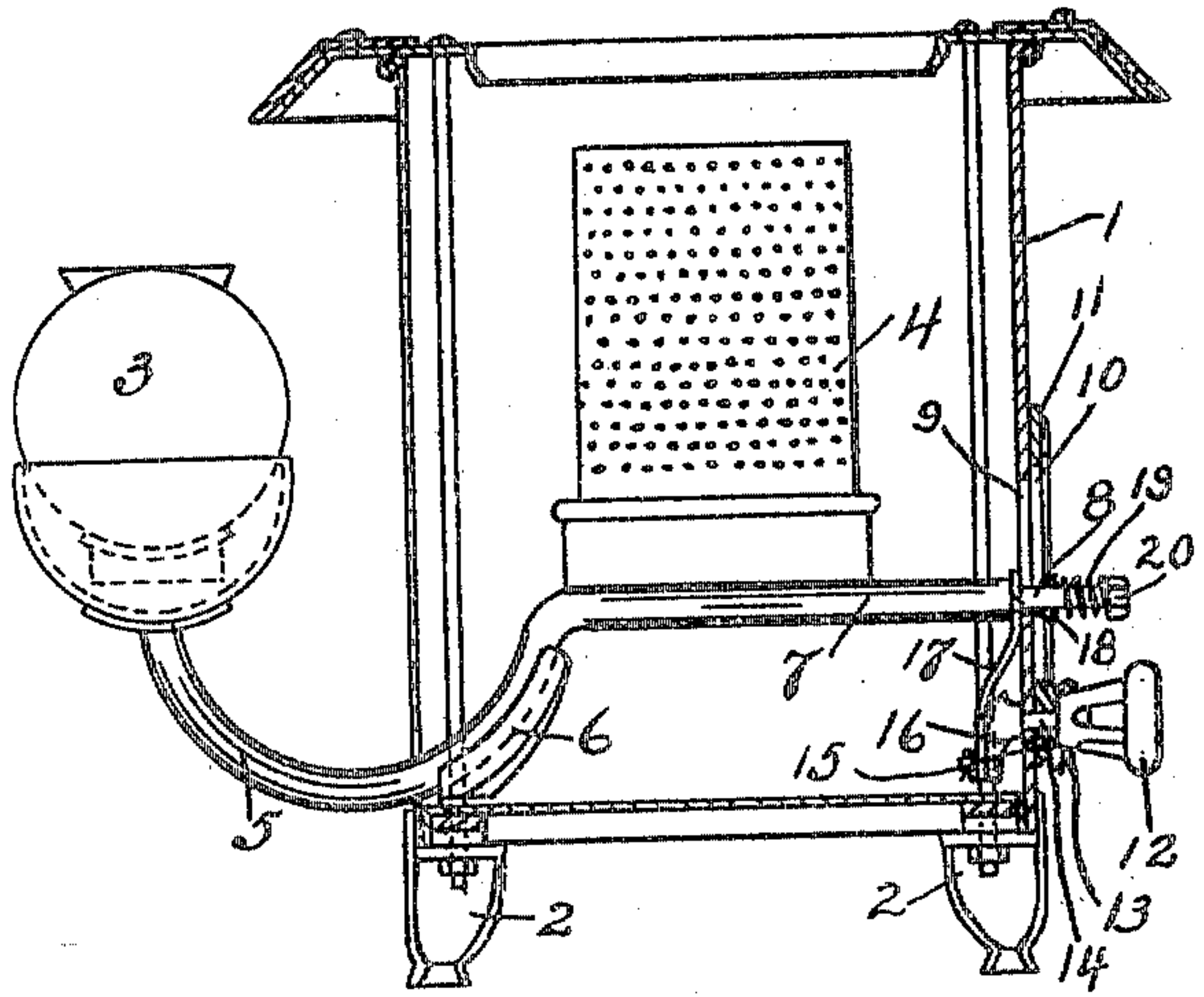


Fig. 1.

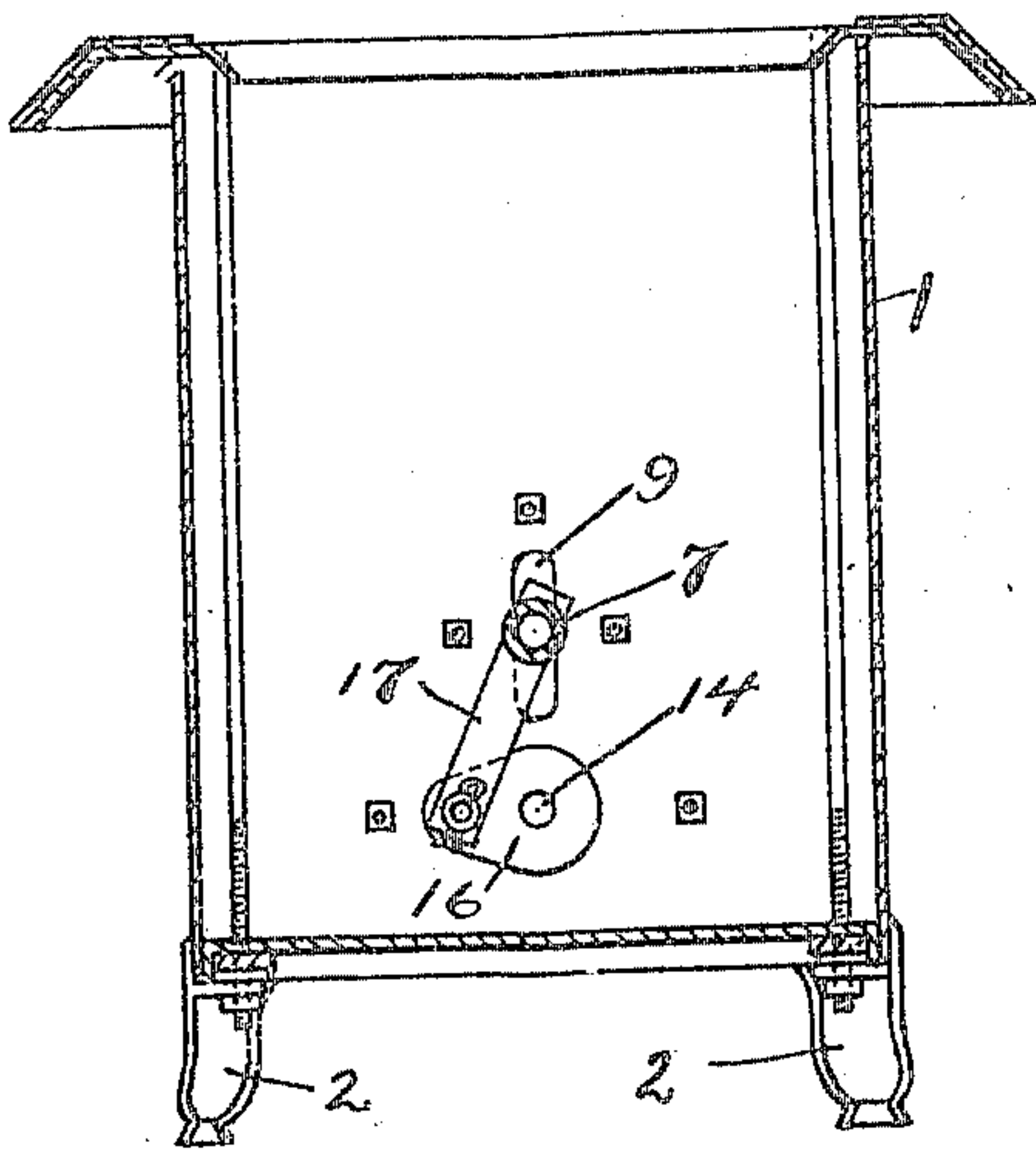


Fig. 4.

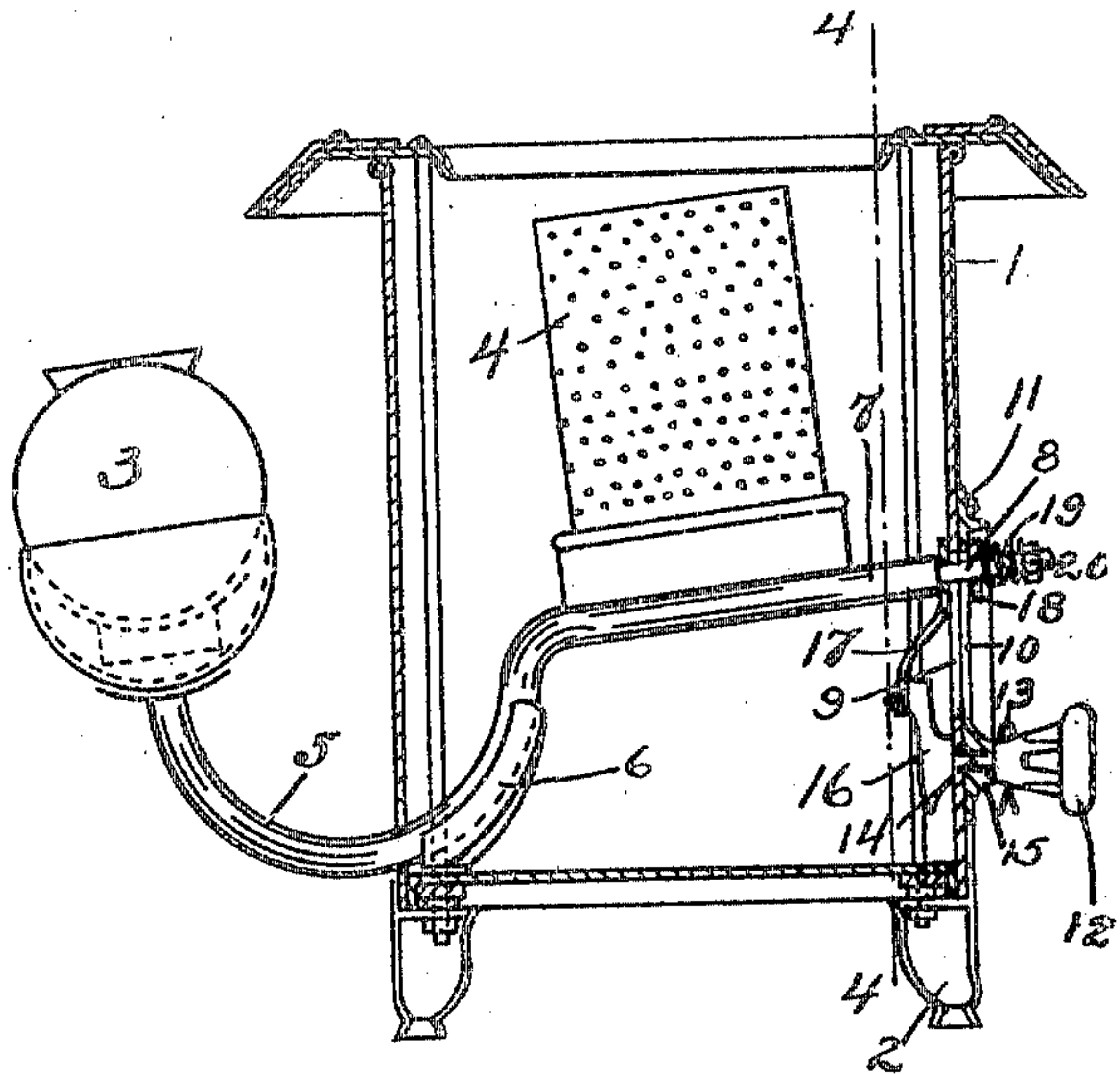


Fig. 2.

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OIL-STOVE.

No. 811,635.

Specification of Letters Patent.

Patented Feb. 6, 1906.

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To all whom it may concern:

Be it known that I, WILLIAM P. HARRISON, a citizen of the United States, residing in Cincinnati, county of Hamilton, and State of Ohio, have invented certain new and useful Improvements in Oil-Stoves, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to oil-stoves of the wickless variety in which all valves are dispensed with, and it has more particular relation to improvements in the kind of stoves illustrated in Patent No. 776,320, issued to me November 29, 1904, and the particular purpose of the present invention is to provide improved mechanism for raising and lowering the oil-reservoir and combustion-chamber with relation to each other, whereby the proper adjustment may be had quickly and easily and the parts held at the desired point of adjustment.

In the drawings, Figure 1 is a sectional side elevation of my improved stove in position for burning. Fig. 2 is a similar side elevation with the oil-delivery cut off. Fig. 3 is a front elevation of the stove. Fig. 4 is a sectional elevation taken on the lines 4 4 of Fig. 2 looking toward the front wall.

1 is the framework for holding the burner, preferably rectangular in shape, with front, rear, and side walls and a suitable bottom and supported by feet 2.

3 is the oil-reservoir, and 4 the burner or combustion-chamber, the two chambers being rigidly connected by a semicircular pipe 5, through which the oil is conveyed from the reservoir to the burner. This semicircular pipe is supported by a bracket 6, secured on the bottom plate of the framework, and the bracket is provided with a segmental trough which supports the semicircular pipe, and with it the oil-reservoir and burner, so that by shifting the connecting-pipe in the bracket the flow of oil between the oil-reservoir and the burner may be maintained or cut off, as desired.

All of the foregoing is of the same construction as that illustrated in my former patent above referred to and need not be more particularly described.

In order to adjust and hold in the desired position the oil-reservoir and burner, I provide particularly as follows: The supporting-pipe 5 is extended at 7 in front of the burner and terminates in a pin 8. This pin passes through a slot 9 in the front wall of the framework and through a corresponding slot 10 in the cover-plate 11, which is secured to the front wall of the framework on the outside. 12 is a hand-wheel secured by cotter-pin 13 to the pin 14, which is journaled in a boss 15 on the lower end of the cover-plate 11, and this pin 14 carries on the inside of the front wall of the frame the crank-arm 16, the outer end of which is coupled by the link 17 to the pin 8 on the tube 7, this link being curved, so that the upper end will lie snug with the front wall of the stove on the inside. The pin 8 also carries a washer 18, which is pressed against the outer face of the front wall by the coiled spring 19, mounted thereon and bearing between the washer and the nut 20 on the end of the pin.

It will be evident from the foregoing description that by rotating the hand-wheel 12 the crank 16 will raise or lower the outer end of the connecting-pipe between the oil-reservoir and the burner, and thus change the oil-level. It will also be evident that by reason of the spring-pressure between the nut 20 and the washer 18 in whatever position the link 17 may be placed the washer will hold the burner in the desired position.

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

In an oil-stove, an oil-reservoir and a burner rigidly connected together, a slotted front wall, with extension from the burner extending through said slot, a hand-wheel and crank with link connecting the crank to the burner extension inside the front wall and spring-bearing between the outer end of said extension and the front wall on the outside to hold the burner in any desired position, substantially as described.

WILLIAM P. HARRISON.

Witnesses:

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