

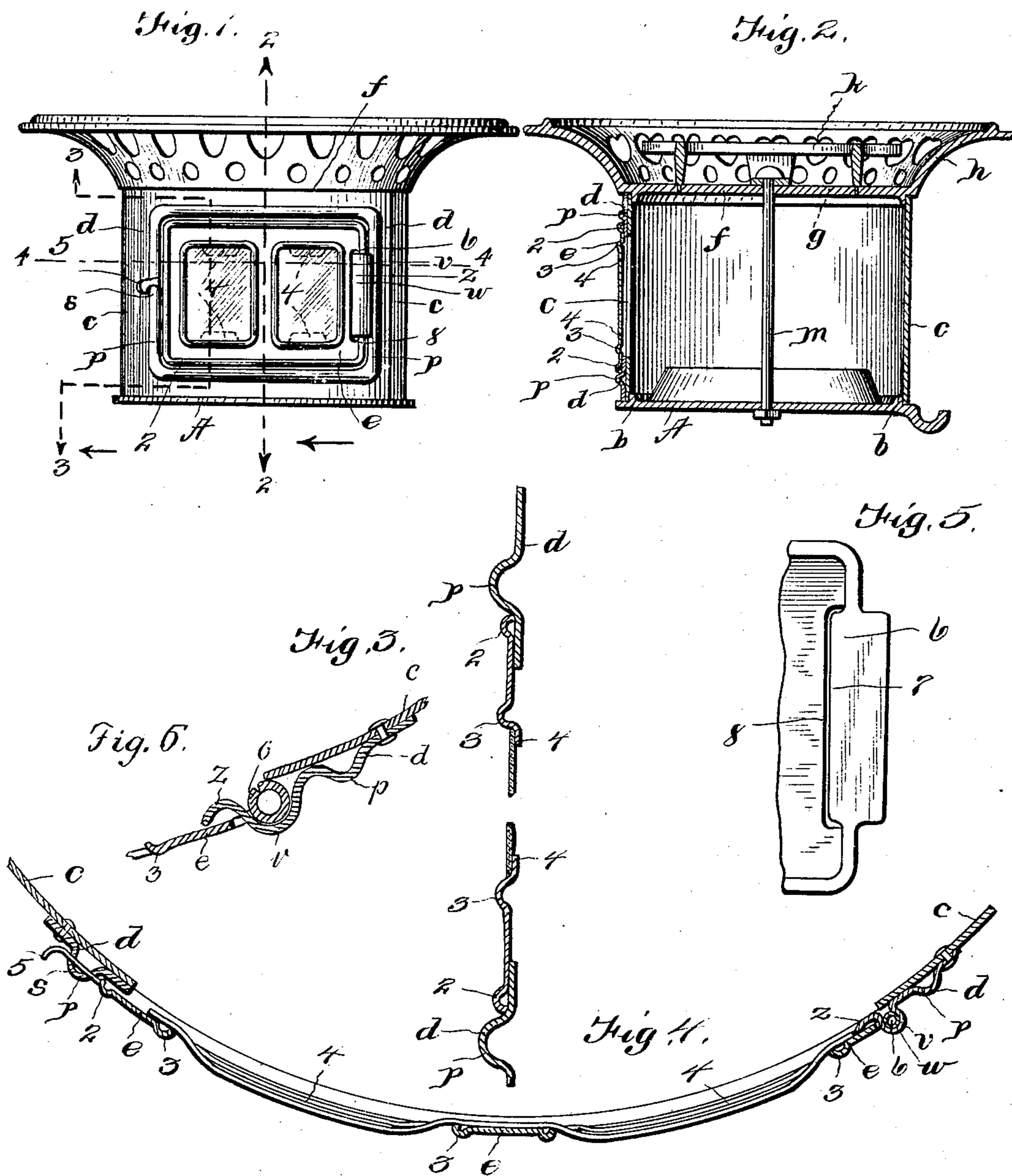
No. 774,068.

PATENTED NOV. 1, 1904.

J. GOLDSTEIN.  
STOVE.

APPLICATION FILED FEB. 13, 1904.

NO MODEL.



Witnesses

*R. V. Bourlli*  
*Geny M. Anderson*

Inventor  
*Joseph Goldstein*

*E. W. Anderson*  
his Attorney

## UNITED STATES PATENT OFFICE.

JOSEPH GOLDSTEIN, OF NEW YORK, N. Y.

## STOVE.

SPECIFICATION forming part of Letters Patent No. 774,068, dated November 1, 1904.

Application filed February 13, 1904. Serial No. 193,472. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH GOLDSTEIN, a citizen of the United States, and a resident of New York city, in the county of New York and State of New York, have made a certain new and useful Invention in Stove-Doors; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters and figures of reference marked thereon, which form a part of this specification.

Figure 1 is a front view of the invention. Fig. 2 is a section on the line 2 2, Fig. 1. Fig. 3 is a section on the line 3 3, Fig. 1, enlarged. Fig. 4 is a fragmentary section on the line 4 4, Fig. 1, enlarged. Fig. 5 is a detail view of the blank for the hinge-journal. Fig. 6 is a sectional detail view, on a larger scale, through the hinge portion of the door.

The invention relates to oil-stoves; and it consists in the novel construction and combinations of parts, as hereinafter set forth.

In the accompanying drawings the letter A designates the burner-plate of the base, which is made of cast-iron. It is provided with a rib *b* around the circumferential portion of its upper surface to serve as a brace for the sheet-iron body *c*, the ends of which are connected by means of the sheet-iron-door frame portion *d*, to which is hinged the sheet-iron door *e*. The top *f* is formed in the usual manner with draft-apertures, run-flange *h*, and bearing *k*. The parts are connected by bolting the top to the burner-plate, as indicated at *m*. This bolt may also serve to hold the top bearing *k* in position.

The door-frame *d* is made of sheet-iron and is beaded at *p* around its circumferential portion, the beading having the proper size and form to receive within its limits the door *e* when the latter is shut. This beading at one side of the frame is cut out, as at *s*, to provide a keeper or catch for the latch of the door. At the other side of the sheet-iron frame *d* is provided an inward extension *v*, which is bent in half-cylinder form to provide the hinge barrel-flange *w*. This hinge barrel-

flange is provided with a spring extension *z*, which is designed to bear against the inside of the door when the latter is closed, so as to cause it to hold to the catch of the frame and to cause it when the latch is raised to open in an automatic manner.

The sheet-iron door *e* is formed with a circumferential bead 2 to give it strength and with beads 3 around its mica openings for the same purpose, the latter beads having spring-flanges 4 to hold the plates of mica in position. At one end the door is provided with the latch 5, which is a projection of the sheet metal. At the other end the door is provided with a bent-cylinder flange 6, which forms the hinge-journal of the door. Part of this hinge-journal is formed from a portion 7 of the sheet metal, which is provided in cutting the slot 8, through which the sheet-metal barrel-flange *w* passes when the door is placed in position. The door is in this manner made easily removable.

The door and the door-frame are each stamped entire out of sheet metal, and they are designed to serve their purposes in an excellent manner, being light and also durable, as they are not liable to be easily fractured or too quickly oxidized.

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

1. In an oil-stove, the combination with the sheet-iron-door frame having an integral cylindrical journal-bearing bend provided with a spring extension, of the sheet-iron door pivotally engaging said journal-bearing and disposed so as to bear against said extension when closed, substantially as specified.

2. In an oil-stove, the sheet-iron-door frame having at one side a concavo-convex marginal beading provided with a keeper-notch, and at the other side an integral cylindrical journal-bearing bend provided with a spring extension adapted to bear against the door when closed, substantially as specified.

3. In an oil-stove, the combination with the sheet-iron-door frame and the journal-bearing formed therein, of the sheet-iron door having an integral latch extension at one side thereof and an integral journal-bend at the opposite

side thereof, and a slot adjacent to said bend, said journal-bend being partly formed of the metal stamped out for said slot, substantially as specified.

- 5 4. In an oil-stove, the combination with the door-frame having at one side thereof a concavo-convex marginal beading provided with a keeper-notch and at the other side an integral journal-bearing bend, of the sheet-iron  
10 door having an integral latch extension for engagement with said notch, an integral jour-

nal-bend and a slot adjacent to said journal-bend and engaged by said journal-bearing bend, said journal-bend being partly formed of the metal stamped out for said slot, substantially as specified. 15

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH GOLDSTEIN.

Witnesses:

HARRY GUESBURG,  
CHAS. GOLDSTEIN.