

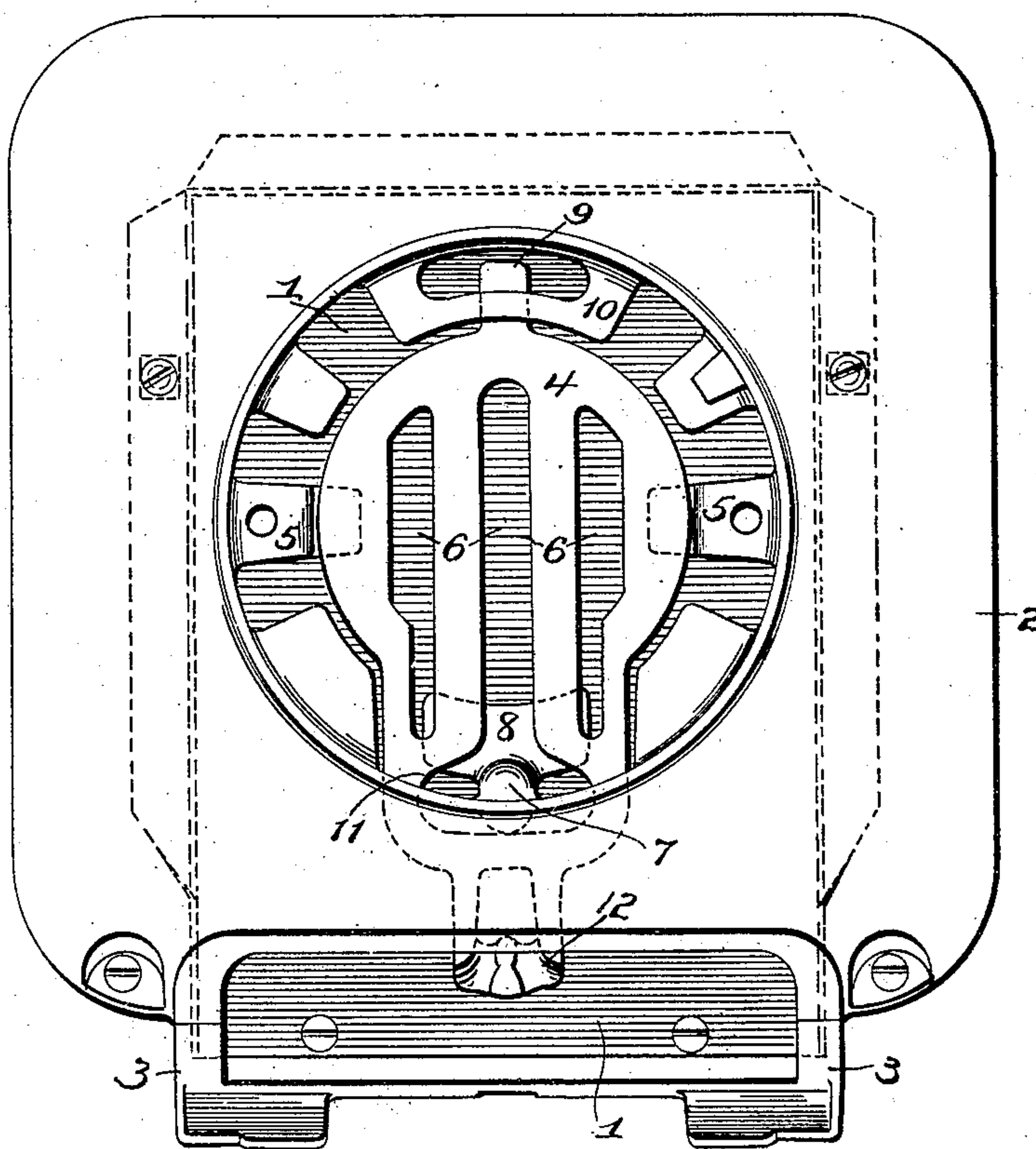
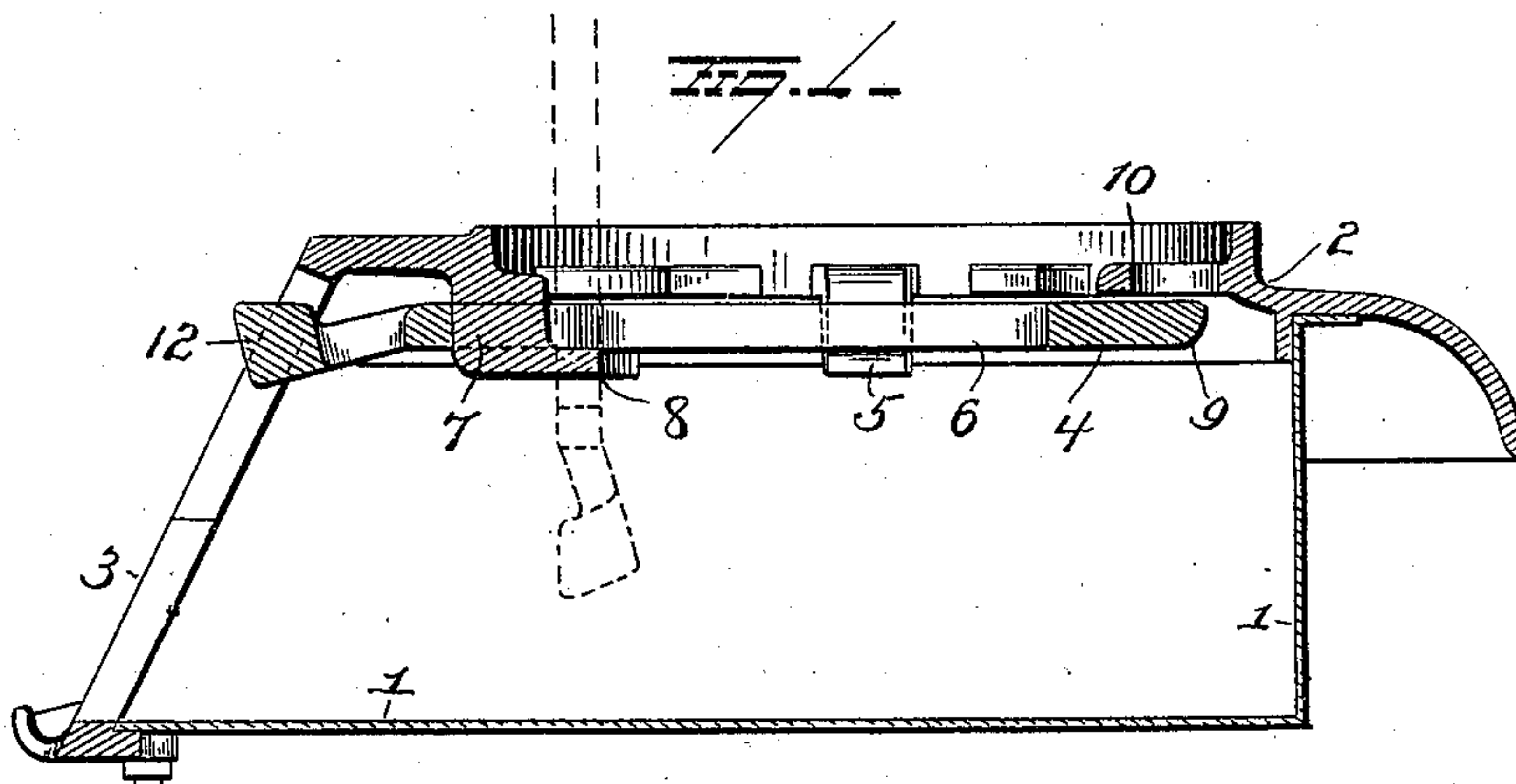
No. 842,196.

PATENTED JAN. 29, 1907.

C. L. GOHMANN.
STOVE.

APPLICATION FILED MAR. 21, 1906.

2 SHEETS—SHEET 1.



WITNESSES

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INVENTOR

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2 SHEETS—SHEET 2.

Fig. 3.

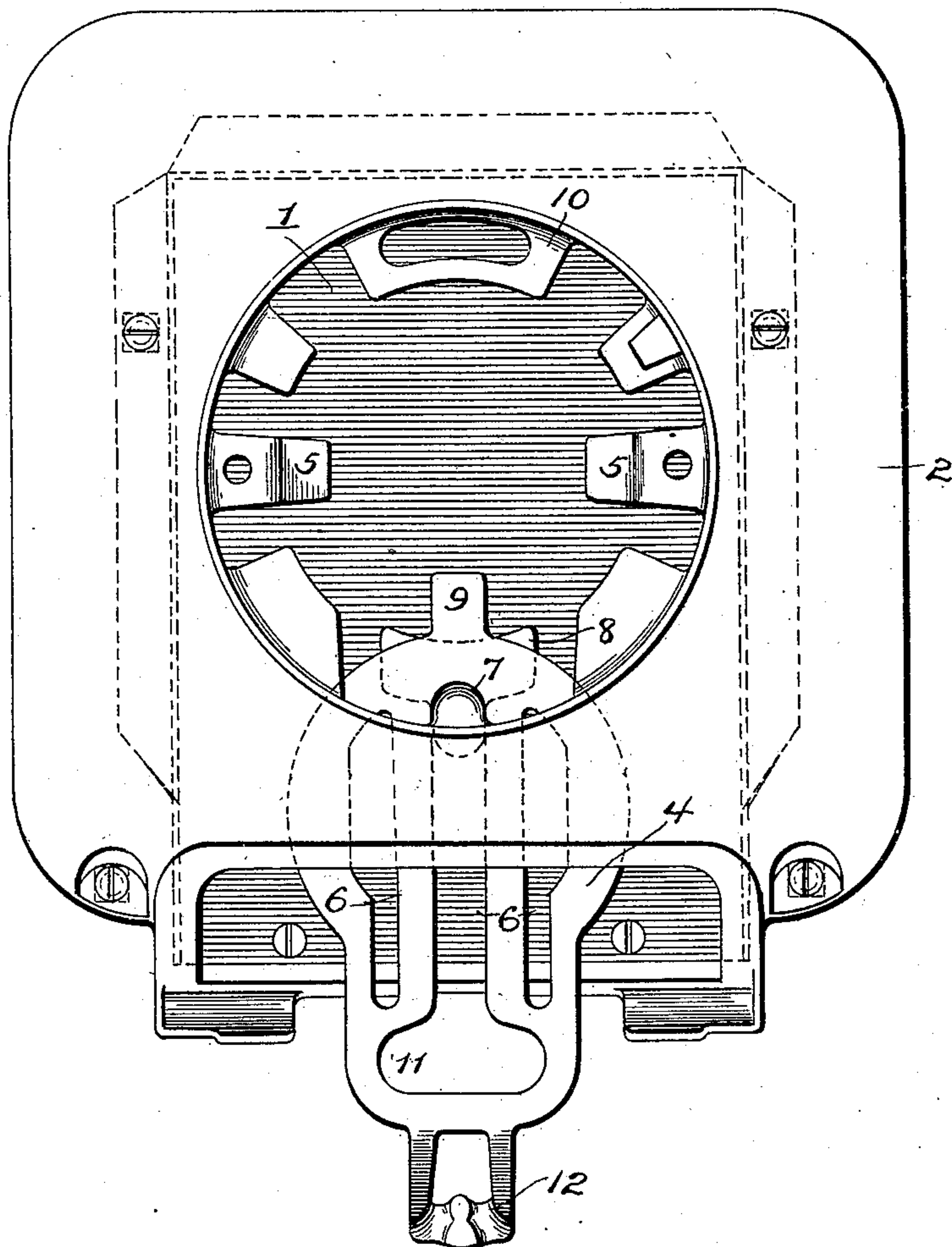
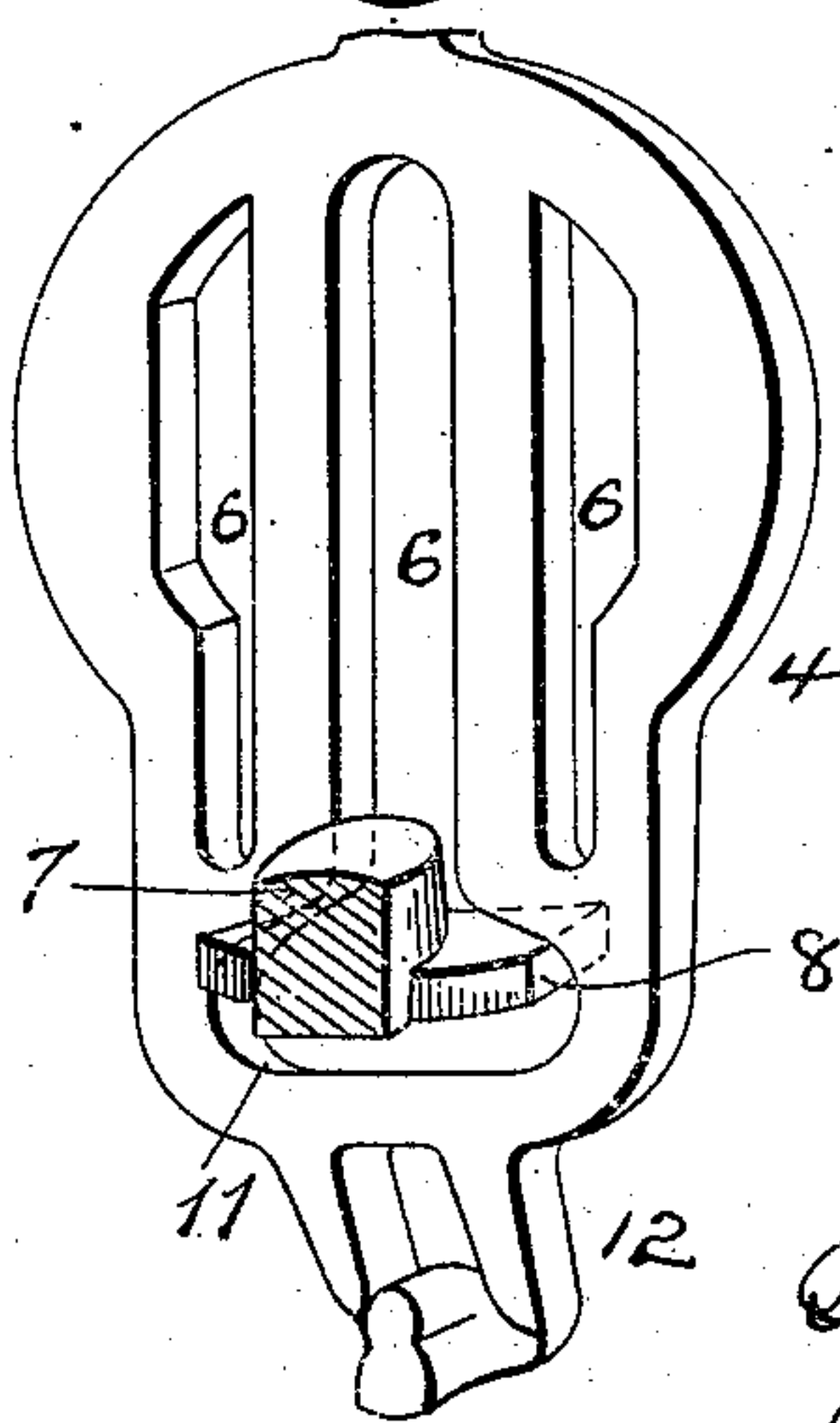


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHARLES L. GOHMANN, OF NEW ALBANY, INDIANA, ASSIGNOR OF ONE-THIRD TO EDMUND G. GOHMANN AND ONE-THIRD TO JOSEPH KAHLER, OF NEW ALBANY, INDIANA.

STOVE.

No. 842,196.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed March 21, 1906. Serial No. 307,234.

To all whom it may concern:

Be it known that I, CHARLES L. GOHMANN, a resident of New Albany, in the county of Floyd and State of Indiana, have invented certain new and useful Improvements in Stoves; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in stoves, and more particularly to stove-bases providing improved mounting for an improved grate, the object of the invention being to provide an improved stove-base composed of a cast-metal top plate secured upon a sheet-metal box or ash-pit and providing mounting for a swinging grate, which latter is composed of a single casting easily removed from the support and capable of being drawn forward to dump; and the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a sectional view illustrating my improvements. Figs. 2 and 3 are top plan views showing the grate in different positions, and Fig. 4 is a view of the grate removed.

The base comprises a sheet-metal box or ash-pit 1 with cast-metal plate 2 secured to the top thereof and having a cast facing 3 around the open end of the ash-pit, providing mounting for a suitable door. Cast plate 2 is made with a central circular opening in which my improved grate 4 is mounted and comprises a single integral casting supported between its ends by side lugs 5 on plate 2. The grate is made with longitudinal slots 6, the central slot receiving a depending lug 7 at the forward side of plate 2, and the grate is supported at this forward side of the stove-base by a narrow horizontal platform 8 integral with the lower end of lug 7. On the rear end of grate 4 a lug 9 is located and projects below a flange 10 on plate 2 to prevent tilting of the grate when the grate is in its normal working position.

A wide opening 11 is made in grate 4 near its forward or outer end, which opening communicates with the central slot 6, and when the grate 4 is pulled out to free its lug 9 from

beneath flange 10 the grate can be tilted and removed from platform 8, as the opening 11 will permit the removal of the grate from the platform when the grate is tilted, and by this construction it will be seen that a broken or damaged grate can be easily removed and replaced without in any way disturbing the other parts of the stove.

A prong 12 is provided at the forward or outer end of the grate to receive a suitable shaker, and it will be seen that the grate can be given a partial rotary or oscillatory motion to shake, or can be drawn forward to dump the contents into the ash-pit, or can be entirely removed, at the will of the operator, and it will further be seen that but a single integral casting is employed as a grate, which can be cheaply made and replaced at small cost and by any one of average intelligence.

Various slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. The combination of a base having an open top and side, of a cast-metal grate-support mounted upon said base and having a part extending over the open side of the base and a grate sustained by said grate-support.

2. The combination of a base open at its top and one side, a cast-metal grate-support mounted upon said base, and a grate sustained by said support and removable through the open side of the base.

3. The combination with a stove-base having an opening in one side and also having an opening in its top, and inwardly-projecting lugs in said last-mentioned opening, of a grate comprising a single casting supported on said lugs, and means permitting the grate to be shaken, drawn outward, or entirely removed through the open side of the base.

4. The combination with a grate-support having inwardly-projecting lugs, of a grate, comprising a single casting supported on the lugs, a depending lug on the support having

a platform at its lower end, a slot in the grate to receive the lug and support the grate on the platform, an opening in the grate to permit the latter to be removed from the platform when the grate is drawn outward and tilted, a flange on the support, and a lug on the grate beneath the flange to prevent tilting of the grate in normal position.

5 5. A removable grate for stoves, comprising
10 a single integral casting having a lug at one end, a shaking-prong at its other end,

longitudinal slots in the grate and an opening in the grate communicating with the central slot.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHARLES L. GOHMANN.

Witnesses:

JOSEPH BRUNS,
PETER SCHMITT.