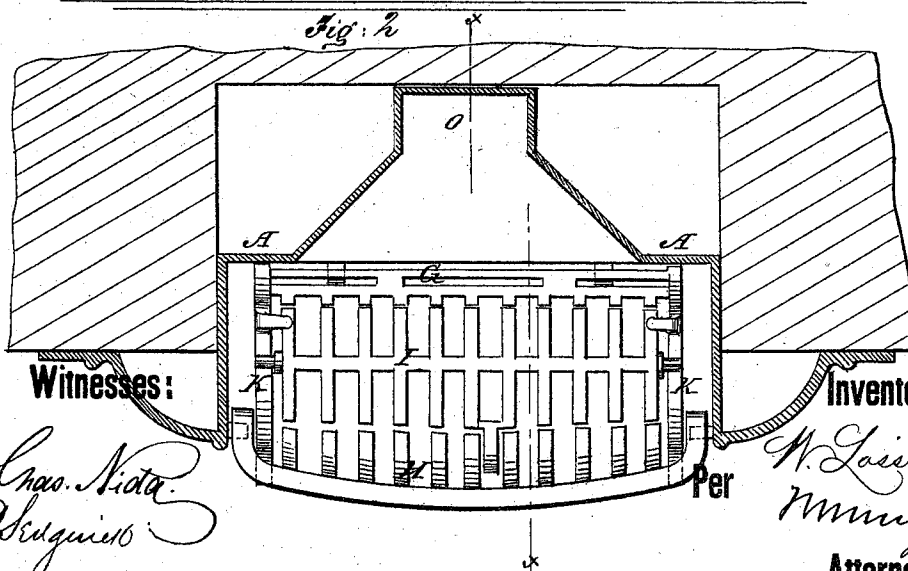
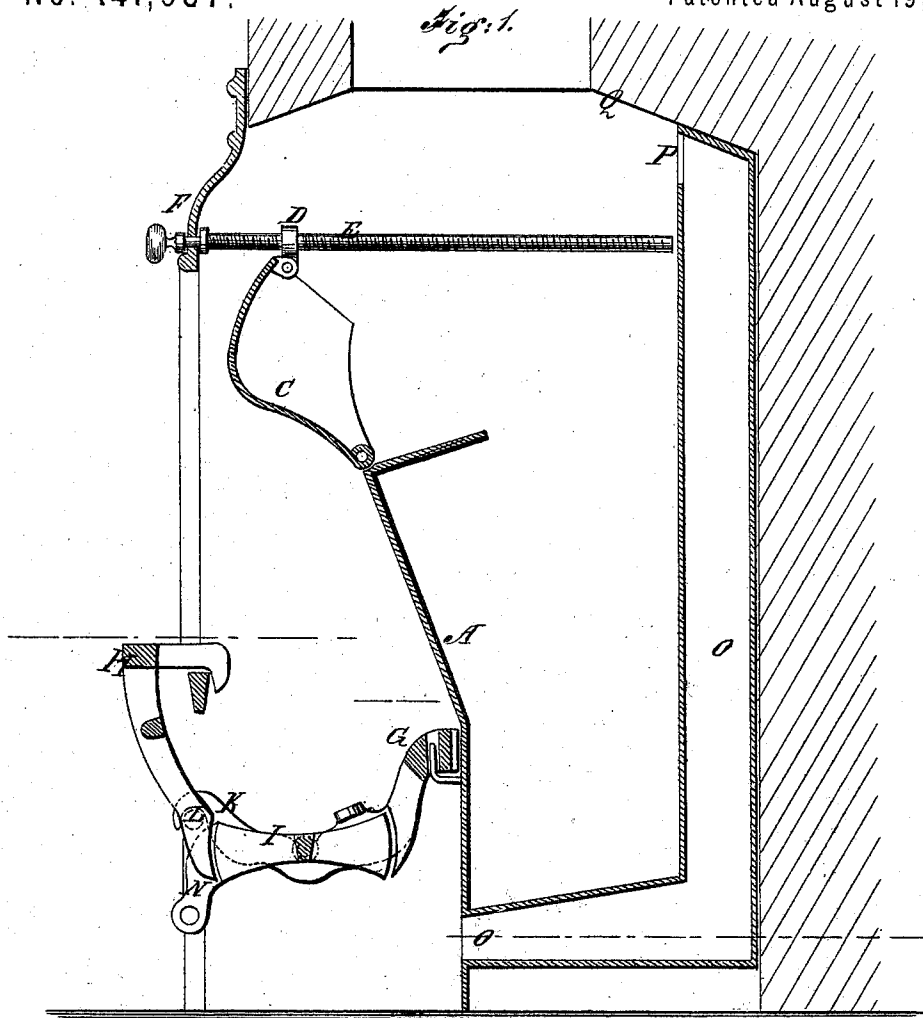


W. LOSSIE.
Fire-Places.

No. 141,937.

Patented August 19, 1873.



Witnesses:

Chas. N. Kistner
Wm. J. Kistner

Inventor:

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UNITED STATES PATENT OFFICE.

WILLIAM LOSSIE, OF OWENSBOROUGH, KENTUCKY.

IMPROVEMENT IN FIRE-PLACES.

Specification forming part of Letters Patent No. **141,937**, dated August 19, 1873; application filed May 5, 1873.

To all whom it may concern:

Be it known that I, WILLIAM LOSSIE, of Owensborough, in the county of Daviess and State of Kentucky, have invented a new and Improved Fire-Place Grate, of which the following is a specification:

My invention consists in adjusting the hinged upper portion of the back of the grate by means of a screw-rod and swiveled nut, and in the construction of the grate proper with a revolving bottom section in connection with two fixed side sections, as hereinafter described.

Figure 1 is a sectional elevation of a fire-place grate constructed according to my invention, the section being taken on the line *x* of Fig. 2. Fig. 2 is a horizontal sectional elevation.

Similar letters of reference indicate corresponding parts.

A represents the lower stationary portion of the back plate, which may be of metal or fire-clay, as desired. C is the upper portion, which will probably be made of cast metal. It is pivoted at the top of A to the sides of the fire-place, and at its top is connected by a swiveled nut, D, with an adjusting screw-rod, E, which extends through the front plate F, for shifting the back C forward or backward to regulate the draft. The basket-grate is made of a back portion, G, front portion H, and a middle portion, I, and the latter is ar-

ranged to revolve for shaking the fire. It is journaled at the ends in the arms K of the back portion, which project forward from the latter, and hook onto the bottom of the front portion at L, and it has an arm, N, projecting downward from the front side under the front portion H, for the connection of a rod for revolving it to shake the fire. O is the draft-passage, extending from the space below the grate behind the back plate into the chimney above the back at P, for taking the ashes up into the chimney to prevent them from flying out in the air into the room. The mouth P of this passage is arranged in a vertical plate and under a ledge, Q, so that any matters falling down the chimney will not be received in and choke it up.

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

1. The screw-rod E, secured in the front plate F and passing through the swiveled nut D, connected to the hinged part C of the grate back, as and for the purpose specified.
2. The stationary removable parts G H of the grate, connected by hook side bars K, and the oscillating bottom part I, pivoted in said bars so as to balance, as shown and described.

WILLIAM LOSSIE.

Witnesses:

ED. CROOK,
C. W. FULLER.