

J. BAWDEN.
Fire-Place Grate.

No. 167,426.

Patented Sept. 7, 1875.

Fig: 1.

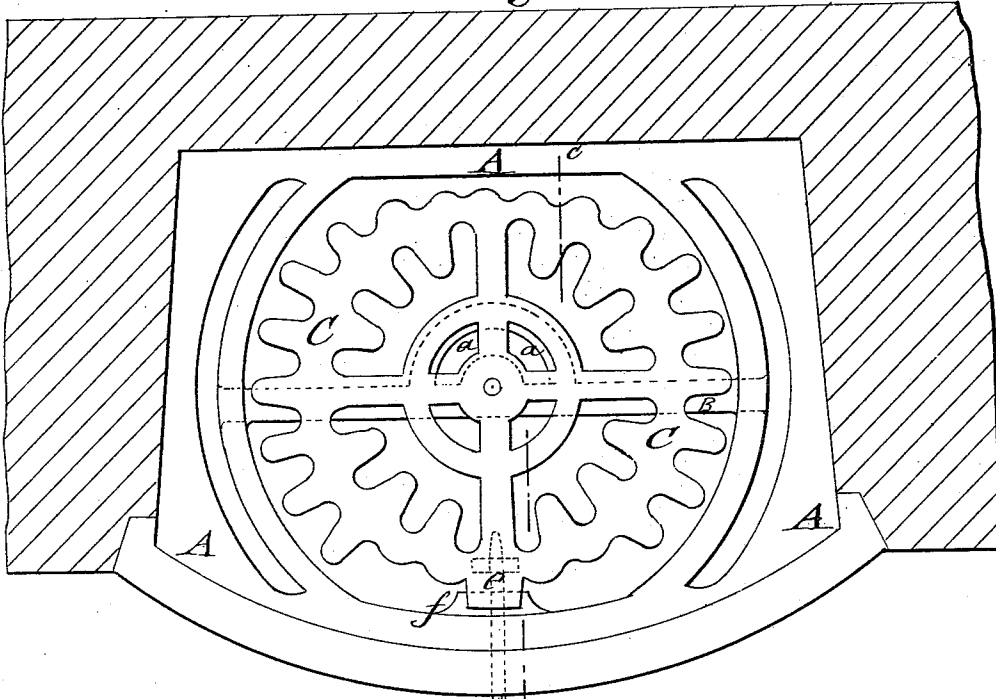
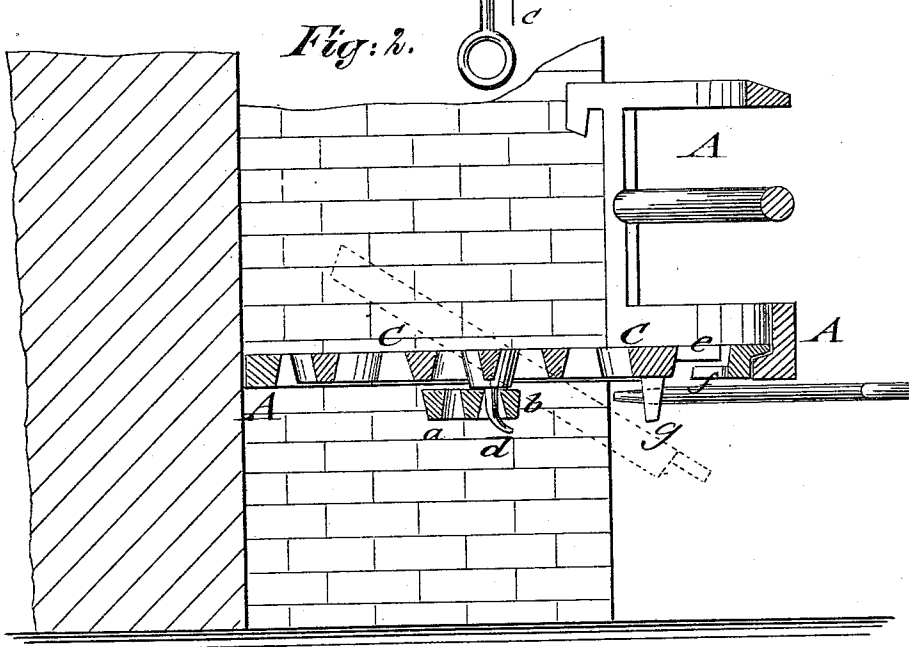


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN BAWDEN, OF FREEHOLD, NEW JERSEY.

IMPROVEMENT IN FIRE-PLACE GRATES.

Specification forming part of Letters Patent No. **167,426**, dated September 7, 1875; application filed July 17, 1875.

To all whom it may concern:

Be it known that I, JOHN BAWDEN, of Freehold, in the county of Monmouth and State of New Jersey, have invented a new and Improved Fire-Place Grate, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a top view, and Fig. 2 a vertical transverse section on the line *c c*, Fig. 1, of my improved fire-place grate.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described in connection with drawing, and then pointed out in the claim.

In the drawing, A represents a fire-place basket of the usual shape and material, which is cast at its grate-supporting bottom part with a longitudinal connecting-bar, B, about midway between the front and rear parts of the bottom, and parallel to the rear bar of the same. The bar B is provided with a central semicircular supporting part, *a*, that extends toward the rear of the fire-place, for preventing the grate C from tilting toward the rear of the fire-place. A central eye, *b*, of the supporting-bar B, allows the introduction of the central bottom hook *d* of the grate, which hook serves as pivot-point for shaking the grate, and also as hinge-support for tilting the same. A front lip, *e*, of the grate rests on an inside projecting shoulder

or lip, *f*, of the bottom frame A, until, by inserting a handle into a perforated lug, *g*, of the grate, the contact of the lips may be interrupted, and the grate be shaken from one side to the other for dropping the ashes, or tilted in downward-inclined position for discharging the remaining ashes and coal.

The grate is readily replaced into position by re-establishing the connection of the lips. The grate can only tilt in front of bar A, for discharging the ashes readily and conveniently into the ash-pan.

The operating of movable grates in open fire-places is in this manner greatly facilitated and rendered more convenient.

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

In a fire-place grate having the central projection *a*, to prevent the grate from being dumped at the rear, the combination, with the pivoted grate C, having recesses at the sides of part *e*, of the grate-frame A, having recess at either side of projection *f*, as shown and described, whereby said grate may be depressed at the front whenever moved either to the right or left.

JOHN BAWDEN.

Witnesses:

J. P. RUE,
WM. T. COWART.