

H. RITTER.

Combined Stove-Cover and Check-Damper.

No. 209,081.

Patented Oct. 15, 1878.

Fig. 1.

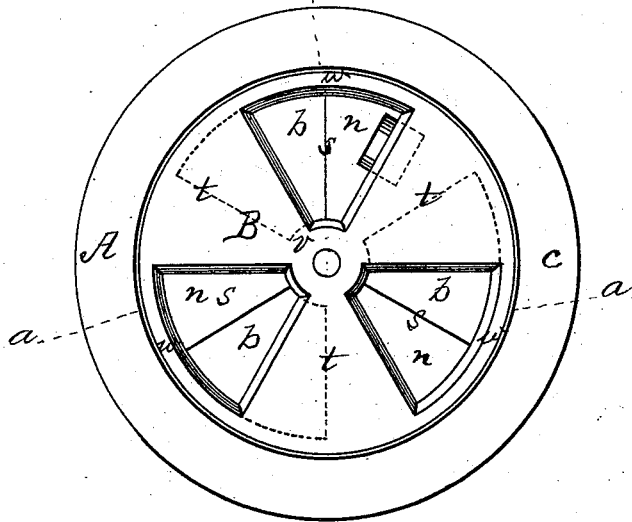
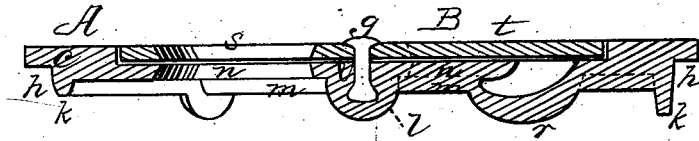


Fig. 2.



WITNESSES

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HUBERT RITTER, OF MIDDLETOWN, CONNECTICUT.

IMPROVEMENT IN COMBINED STOVE-COVER AND CHECK-DAMPER.

Specification forming part of Letters Patent No. **209,081**, dated October 15, 1878; application filed September 14, 1878.

To all whom it may concern:

Be it known that I, HUBERT RITTER, of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and valuable Improvement in Stove-Cover and Check-Damper; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top view of my improved stove-hole cover and damper. Fig. 2 is a central section of the same.

This invention has relation to stove-covers or pot-hole plates; and it consists in the construction and novel arrangement of such a plate, having the ordinary marginal rabbet underneath and in its upper surface a circular recess having sector-shaped radial openings, and a revolving plate centrally pivoted in said recess, having openings registering with those of said recess, and being flush with the upper or marginal surface of the main plate, forming a damper, as hereinafter fully shown and described.

In the accompanying drawings, the letter A designates the main plate, having in its upper surface the circular recess *a*, through the bottom of which are the radial sector-shaped openings *b*, between which are the sector-shaped bearings or lands *n*, connecting the marginal rim *c* to the center *e*, which is provided for the reception or attachment of the pivot *g*. The marginal rim *c* is rabbeted underneath, as indicated at *h*, for engagement with the oppositely-rabbeted stove-hole, and in order to secure extra strength in the construction the circular rabbet terminates in a circular rib, *k*, extending below the lower surface of the bottom of the plate. A central boss, *l*, is also formed underneath the center *e* of the plate, and bracing-ribs *m* extend radially from this boss to the annular rib *k*, along the

middle line of each land or bearing *n*. A recessed boss, *r*, on one side of the plate in its bottom portion serves for the introduction of a lifter when required. This recess is made at a short distance from the margin of the circular bottom recess, a space being left for the play of the circular connecting-bars of the upper or registering plate. This upper plate B is circular in form, and has sector-shaped openings *s*, corresponding with those of the bottom recess, in which this upper plate is seated, flush with the marginal rim of the main plate. Between the openings *s* are the sector-shaped lands or bars *t*, which are connected at the center by a center-piece, *v*, and at their outer ends by curved bars *w*. This upper plate is pivoted to the lower plate, as indicated in the drawings, and can be turned in the usual manner of circular registers to close the openings in the plate below, or open the same wholly or partially, as required, for inspection of the fire below, or for the proper regulation of the draft.

Usually the pivot is a wrought-iron pin cast in the center of the lower plate, and headed loosely to permit free play. The revolving plate B is cast a little short of the outside margin of the main plate to allow for expansion.

What I claim, and desire to secure by Letters Patent, is—

The stove-hole damper-plate herein described, consisting of the centrally-recessed main plate A, having the openings *b*, lands *n*, under ribs *m* *k*, and recessed lifting-boss *r*, and the revolving plate B, having the openings *s*, said plates A and B being centrally pivoted together by the rivet *g*, cast in the central boss *l*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HUBERT RITTER.

Witnesses:

JAMES A. PELTON,
E. B. BIRDSEY.