(No Model.)

R. HATCHMAN.

FIRE POT FOR STOVES.

No. 283,602. Patented Aug. 21, 1883.

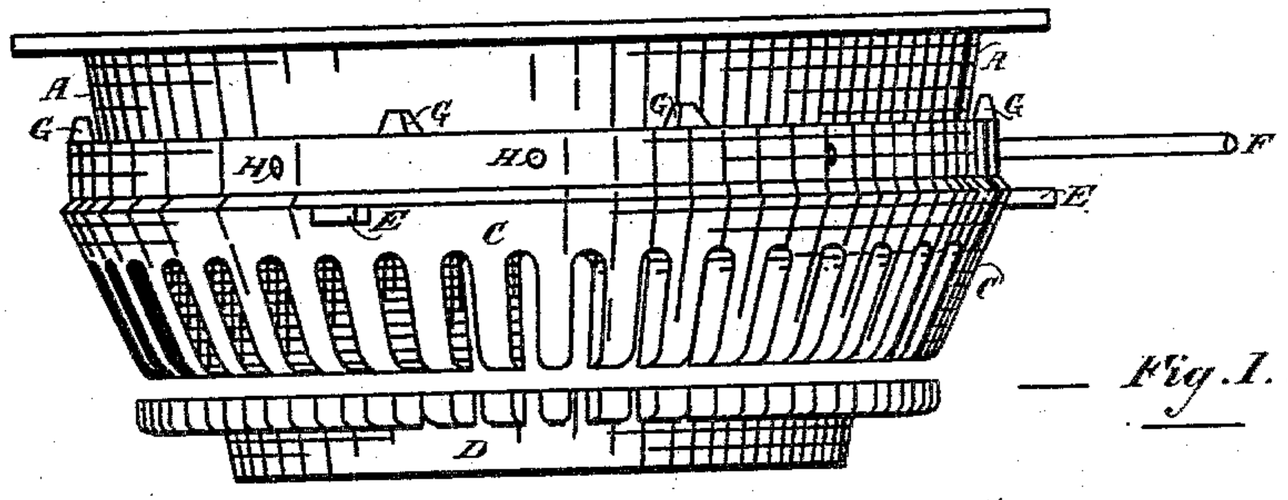

Fig. 1.

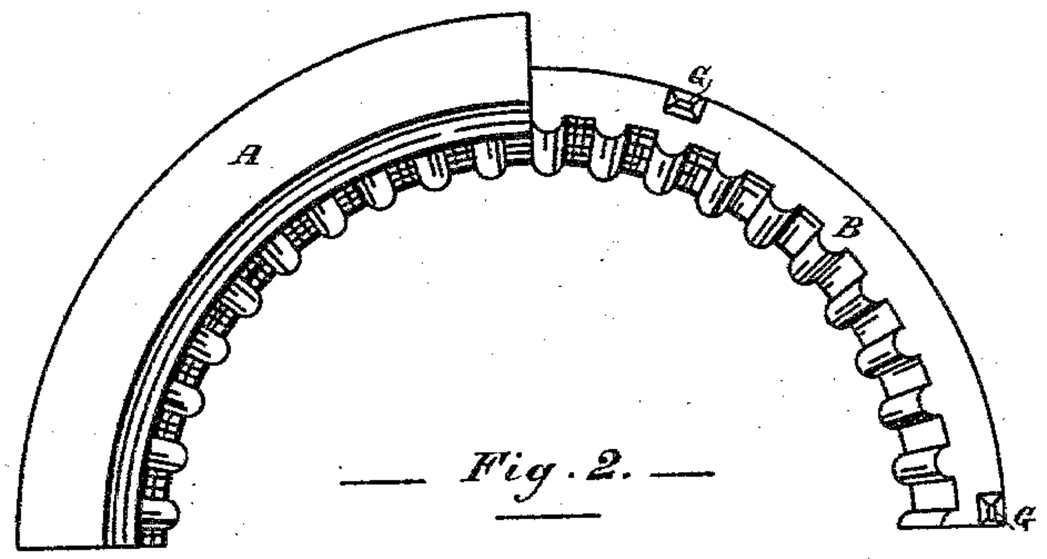

Fig. 2.

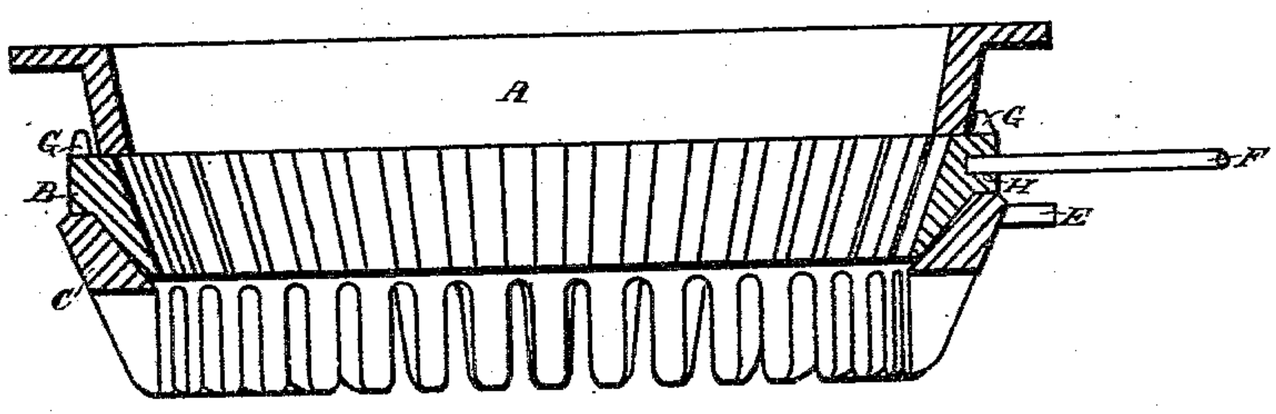

Fig. 3.

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FIRE-POT FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 283,602, dated August 21, 1883.

Application filed March 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, ROBERT HATCHMAN, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in Fire-Pots for Stoves, of which the following is a specification.

Figure 1 is a side elevation. Fig. 2 is a plan view of one-half of the fire-pot with part of the upper section, A, broken away and the lower section omitted. Fig. 3 is a vertical section.

This invention has for its object to provide a novel fire-pot for stoves; and to this end it consists of the construction and arrangement of parts hereinafter described in detail, and set forth in the claims.

In the drawings, A B C represent three castings, which, when placed one upon the other, as shown in Fig. 1, form a fire-pot resembling in appearance those ordinarily used in base-burning coal-stoves. D represents an ordinary shaking-grate below the fire-pot. The lower section, C, of the fire-pot is provided with lugs E E, which rest on suitable supports in the stove and support the fire-pot. The middle section, B, is beveled at its lower edge, so that it extends down into the top of section C, as shown in Fig. 3, and has at the top of said bevel a shoulder which rests on the top of section C. I prefer to make the inner surface of section B corrugated, as shown in the drawings. On the upper surface of section B, are cast lugs G G, and the lower surface of section A rests on the upper surface of section B, within lugs G G, and is held in place by said lugs. In the outer surface of section B are cast one or more holes, H, into which a shaker, F, may be inserted through a door in the stove, and section B may be thereby partially rotated or shaken, sections A and C remaining stationary, section C being held by lugs E and section A by the pressure of the coal therein and friction on the side of the stove.

In using coal-stoves a ring of ashes accumulates around nearly the whole inner surface of the fire-pot, and, being a comparatively poor conductor of heat, causes a waste of fuel. This ring of ashes cannot be removed by shaking the grate and must be dislodged with a poker. By shaking a portion of the fire-pot proper, the rest remaining stationary, this ring of ashes is easily removed and fresh coal brought into immediate contact with the fire-pot.

I prefer to make section B as shown in the drawings, so that it will extend down in section C, nearly to the vertical portion thereof; but this feature of construction may be varied without departing from my invention.

I am aware that fire-pots have been made which can be rotated, so that as the back portion of the fire-pot becomes injured (the greatest heat being generally at the back of the stove) the whole fire-pot can be turned, so as to bring another part thereof at the back of the stove; but this is not my invention.

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

1. A fire-pot for stoves, composed of the upper and lower fixed sections, A and C, and the intermediate movable section, B, corrugated on its interior and beveled at its lower edge to extend into the lower fixed section, on which latter the intermediate section can be rotated, substantially as shown and described.

2. The combination of the section C, having lugs E, the rotary movable section B, extending down into the section C, and having lugs G, and the section A, having a bearing upon the stove-frame and resting inside the said lugs G, substantially as described.

3. The combination of the section C, having lugs E, the rotary movable section B, extending down into the section C, and having corrugations and lugs G and rotating arm F, and the section A, having a bearing upon the stove-frame and resting inside the said lugs G, and an independent grate, all substantially as described.

ROBERT HATCHMAN.

Witnesses:
SUMNER COLLINS,
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