

J. A. PRICE & W. McCLAVE.  
Reversible Stove-Grate.

No. 205,680.

Patented July 2, 1878.

Fig. 1.

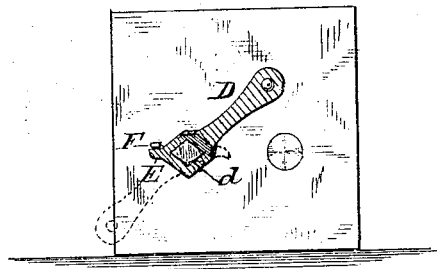
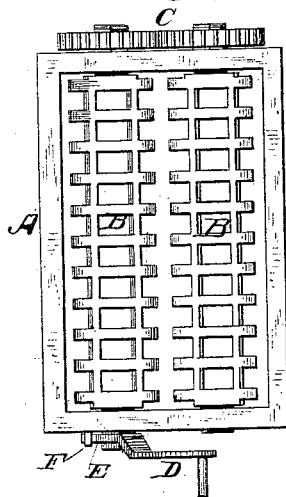


Fig. 2.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN REVERSIBLE STOVE-GRATES.

Specification forming part of Letters Patent No. **205,680**, dated July 2, 1878; application filed  
May 20, 1878.

*To all whom it may concern:*

Be it known that we, JOHN A. PRICE, of Scranton, and WM. McCLAVE, of Pittston, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Reversible Stove-Grates; and we do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of a stove or grate frame, showing the application of our improvements; and Fig. 2 is a top-plan view of the same.

Similar letters of reference in the several figures denote the same parts.

Our invention relates to that class of stove-grates which are adapted for reversal to cut off the clinkers, ashes, and lower part of the fire without dumping the upper part thereof; and it has for its object to provide means for the rotation or reversal of the grate or grate-sections, so that after cutting off the clinkers, ashes, &c., they shall be stopped at the proper point for supporting the fuel in the fire-chamber above.

To this end the invention consists in a handle or crank-arm for turning the grate, which is so constructed and arranged to operate, in connection with a stop on the stove or grate frame, that its movement in turning the grate shall be arrested when the grate has been reversed or reached the proper position to support the fire above.

In the drawings, A represents a stove or grate frame containing the two-part grate B B, journaled therein and geared together at one end, as shown at C. The opposite end of one of the grate-journals projects through the stove or through the grate-frame to receive

the handle D, by which the grate is rotated. This handle may be straight or in the form of a crank, or of any other suitable shape for the purpose; but, whatever its general form may be, it must be provided with an angular opening, *d*, for the reception of the extended journal of the grate, and with a lug or projection, E, at some point which, when the handle is operated to turn the grate, shall come in contact with a stop, F, on the stove at the moment the grate is in the proper position to sustain the fire in the stove. The handle is applied to the grate-journal in the position shown by dotted lines in Fig. 1, its position after the grate has been reversed being shown by the full lines in the same figure.

Although a simple lug cast on the stove to form the stop is preferable, as being the cheapest, yet a dog pivoted to the stove and adapted to engage with the projection on the handle may be employed for the purpose. The form of stop we regard as immaterial, as the invention consists in the employment of any kind of stop in connection with the handle.

In the example of grate shown in the drawing the handle is applied to one journal, and as the two parts of the grate are geared together it is evident that when one is turned the other is turned also.

Having thus described our invention, we claim as new—

The handle D of a reversible stove-grate, provided with a lug or projection, E, in combination with a stop, F, substantially as described, for the purpose specified.

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Witnesses:

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