

(No Model.)

C. W. McCUTCHEN.  
STOVE GRATE.

No. 418,294.

Patented Dec. 31, 1889.

Fig. 1.

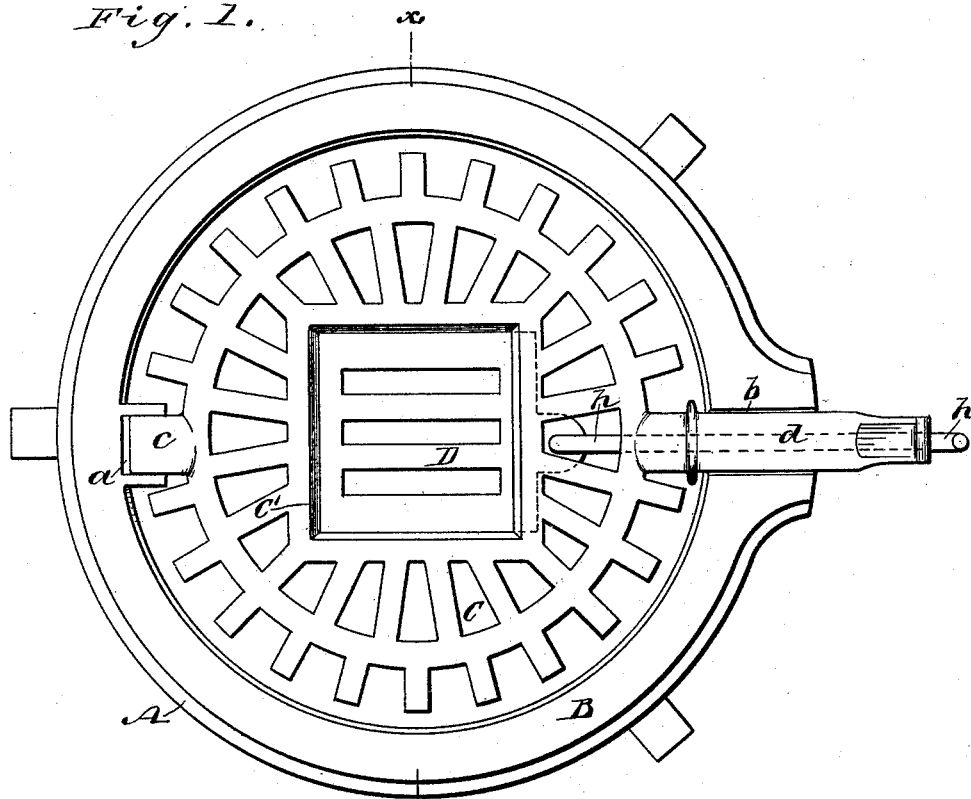
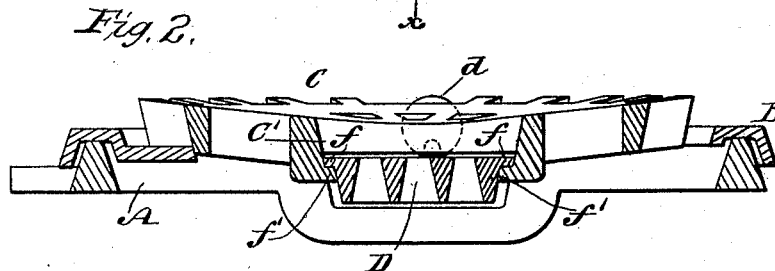


Fig. 2.



WITNESSES:

*John H. Deemer*  
*C. Sedgwick*

INVENTOR:

*C. W. McCutchen*

BY

*Munn & Co*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CHARLES W. McCUTCHEN, OF PEEKSKILL, ASSIGNOR TO FINCH & CO., OF  
NEW YORK, N. Y.

## STOVE-GRATE.

SPECIFICATION forming part of Letters Patent No. 418,294, dated December 31, 1889.

Application filed March 26, 1889. Serial No. 304,770. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES W. McCUTCHEN, of Peekskill, in the county of Westchester and State of New York, have invented  
5 a new and Improved Stove-Grate, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference  
10 indicate corresponding parts in both the figures.

Figure 1 is a plan view of a stove-grate having my invention applied thereto, and  
15 Fig. 2 is a sectional elevation of the same taken on the line *x x* of Fig. 1.

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

20 A represents an annular main frame or support for the grate, which frame may be held in the stove in the ordinary or in any approved manner.

Upon the frame A is placed the annular  
25 ring B, formed with the two opposite bearings *a b* for the gudgeon *c d* of the grate C. The gudgeon *d* reaches to the front of the stove, and is made square at its outer end for the application thereto of a wrench or hook  
30 for convenience in reciprocating the frame B and grating C upon the main frame A for raking the fire and for tilting the grate C for dumping the contents of the stove into the ash-pit.

In the center of the grating C is formed an  
35 opening C', in which is fitted a sliding auxiliary grate D. This is formed with the flanges *f f*, and is held upon the flanges *f' f'*, and is provided with the rod *h*, for operating the  
40 auxiliary grate—that is, for sliding it out and in for opening and closing the opening C'. The rod *h* is in line with the axis of the grate C, and in this instance is parallel with the  
45 gudgeon *d*, so that the said rod will not interfere with the tilting of the grate C.

By constructing the grate as described the  
auxiliary grate D greatly facilitates the raking of the stove, as the same may be opened  
50 for working out clinkers without dumping, and it in no manner interferes with the tilting of the grate for dumping the whole contents of the stove.

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

The main grating C, formed with diametrical gudgeons *c c*, and having a central opening C' and parallel flanges *f' f'* in said opening, in combination with the auxiliary grating D, having flanges *f* to rest upon the flanges *f'*,  
60 and the handle or rod *h*, attached to the auxiliary grating and projecting therefrom in line with the axis of the main grating C, substantially as described.

CHARLES W. McCUTCHEN.

Witnesses:

LEVERETT F. CRUMB,  
SAMUEL E. WOLFE.