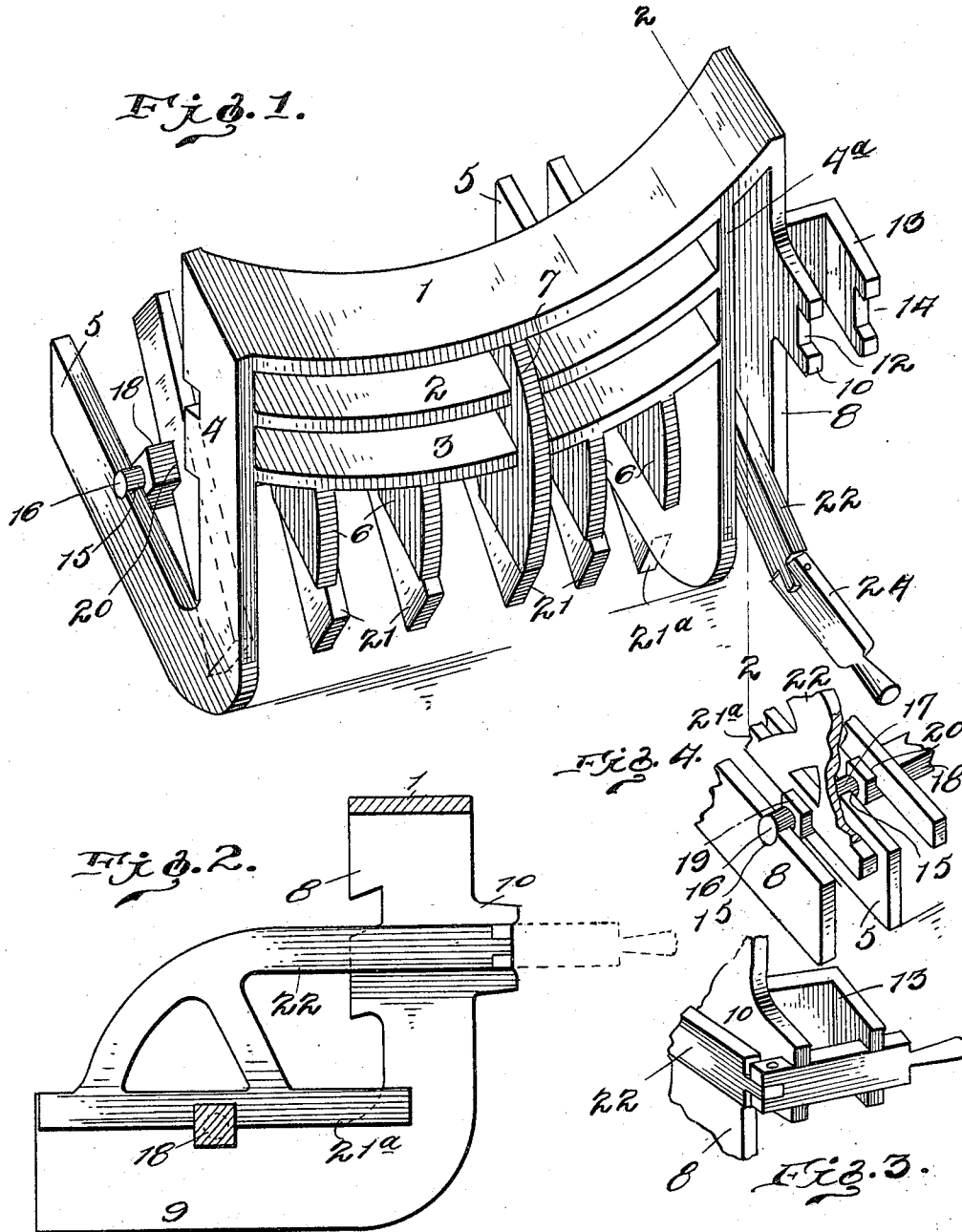


J. M. CALL.
FIRE GRATE.
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981,528.

Patented Jan. 10, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

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FIRE-GRATE.

981,528.

Specification of Letters Patent.

Patented Jan. 10, 1911.

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To all whom it may concern:

Be it known that I, JOSEPH M. CALL, a citizen of the United States, residing at Vaughan, in the county of Nicholas and State of West Virginia, have invented certain new and useful Improvements in Fire-Grates, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to grates especially adapted for open fireplaces, and the principal object of the same is to provide simple means whereby the grate may be oscillated to separate the live coals from the ashes, said means being operated by a handle that projects away from the grate so that the operator can manipulate the grate while at a distance therefrom.

In carrying out the objects of the invention generally stated above it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein:—

Figure 1 is a perspective view of the improved grate. Fig. 2 is a vertical sectional view taken on the line 2—2, Fig. 1. Fig. 3 is a detail perspective view of a latch for the handle of the grate. Fig. 4 is a similar view of the rocker shaft of the grate showing the manner of connecting the grate bars thereto.

Referring to said drawings by numerals, it will be seen that the improved fireplace grate is composed of a stationary hanger section that is composed of the horizontal bars 1, 2 and 3 which are arranged in spaced parallel relation and are connected at their ends by the vertical bars 4—4^a the lower ends of which project at right angles as indicated at 5 and are adapted to be fastened in the wall of a fireplace. Lower bar 3 is provided with regularly spaced pendent lugs 6 which are arranged in series on opposite sides of a central vertical bar 7. A bar 8, similar in all respects to end bars 4—4^a is arranged in spaced parallel relation to bar 4^a, said bar 8 having an angular extending lower end 9. Bar 8 is provided with a latching lug 10 that projects at right angles from its front edge and is provided with a latch-receiving recess 12. A second latching lug 13 projects from the outer side of said bar

8 the free end thereof being bent at right angles to lug 10 in spaced parallel relation and provided with a latch-receiving recess 14. As will be obvious, the structure described may be cast.

The angular ends of bars 4—4^a and 8 are provided with bearings 15 for the cylindrical ends 16 and intermediate cylindrical portion 17 of a square rocker shaft 18. The cylindrical intermediate portion 16 of said shaft is adjacent one end thereof and provides a squared portion 19 that fits between the angular end 9 of bar 8 and the similar lower end of bar 4^a and prevents longitudinal movement of said shaft.

Shaft 18 is provided with regularly spaced transverse slots 20 on its upper surface for the reception of the transverse bars 21 which form the bottom of the grate. The forward ends of said bars project between the lower end of bars 7 and lugs 6. A rocker arm 21^a is mounted on the squared end portion 19 of shaft 18, said arm provided with a crank 22, said arm and crank being preferably integral. Crank 22 projects between bars 8 and 4^a and has its free end hinged to a handle 24 which may be rocked to a parallel position relatively to the free end of said crank so that it will project beyond the front of the grate, or turned at right angles to said crank and seated in the latching recesses 12 and 14 of lugs 10 and 13.

It will be obvious from the foregoing, that with crank 22 and handle 24 in the position shown in Fig. 1, shaft 18 may be readily rocked without the necessity of closely approaching the grate, and after the rocking of shaft 18 is finished, handle 24 may be engaged with recesses 12 and 14 so that it will not be in the way.

What I claim as my invention is:—

1. A grate comprising a stationary section provided with angular wall-engaging portions, a rocking section carried by said angular portions, a bar carried by said stationary section and supported in spaced parallel relation thereto, a crank arm carried by the rocking section, a handle hinged thereto, and a handle rest carried by said bar.

2. A fireplace grate comprising parallel horizontally arranged front bars, an intermediate and end bars connecting said front bars, said end bars terminating in angularly

arranged wall-engaging ends, a vertical bar
parallel with one of said end bars and termi-
nating in a wall-engaging angular end,
pendent lugs carried by the lower front bar,
5 a rocker shaft journaled in said angular
wall-engaging ends, transverse grate bars
carried by said rocker shaft, latching lugs
carried by said vertical bar, a crank carried

by said shaft, and a handle hinged to said
crank and normally seated on said lugs. 10

In testimony whereof I hereunto affix my
signature in presence of two witnesses.

JOSEPH M. CALL.

Witnesses:

TAYLOR HAYS,
T. P. TAYLOR.