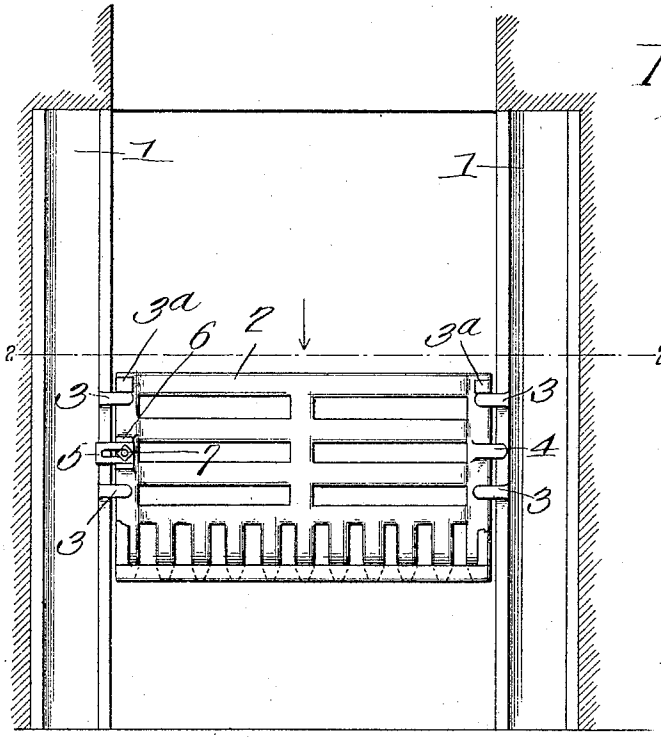
J. F. JAMES.

ADJUSTABLE BASKET GRATE.

APPLICATION FILED AUG. 17, 1908.

955,269. Patented Apr. 19, 1910.

Fig. 1.



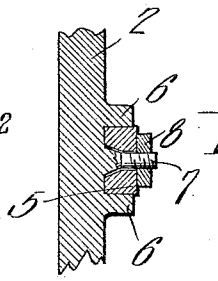


Fig. 3.

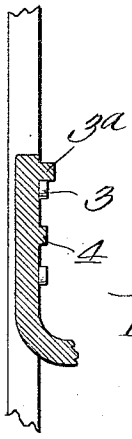


Fig. 4.

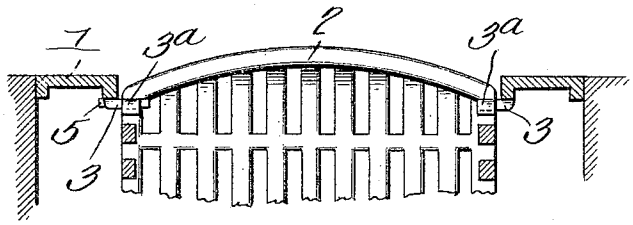


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE BASKET-GRATE.

955,269. Specification of Letters Patent. Patented Apr. 19, 1910.

Application filed August 17, 1908. Serial No. 448,934.

To all whom it may concern:

Be it known that I, JAMES F. JAMES, a citizen of the United States, residing at Chattanooga, in the county of Hamilton and State of Tennessee, have invented a new and useful Improvement in Adjustable Basket-Grates, of which the following is a specification.

This invention relates to adjustable basket grates.

This invention relates to basket grates and more especially to the means for locking the grate in position within the fire place.

The invention consists in providing a basket grate with a fixed lug at one end and with a slotted sliding catch, corresponding to a sliding lug, at the other end, said lug and catch coöperating with inwardly extending lugs carried by the fire place.

In the accompanying drawings:—Figure 1 is a rear elevation of my grate in position. Fig. 2 is a sectional plan view on the line 2—2 of Fig. 2, partly broken away. Fig. 3 is an enlarged detail sectional view through a portion and showing the means of locking a sliding catch to said grate. Fig. 4 is a vertical section taken through the front of the grate adjacent one end, lugs carried by the grate being shown in section and lugs carried by the fire place being shown in end elevation.

In these drawings 1 represents upwardly extending side panels forming a frame work of a fire place, and 2 represents a basket grate. The frame 1 carries inwardly extending lugs 3, arranged in pairs, one pair being placed upon each side of the fire place, and the lugs composing a pair being arranged in vertical alinement. The grate 2 carries adjacent its upper front edge inwardly extending lugs 3^a which rest upon the upper lugs 3 and hold the grate suspended above the ash pit. The lower lugs 3 engage the back of the front member of the grate and prevent the lower portions of the grate swinging rearwardly. To lock the grate in position and prevent outward movement of it, I provide the grate at one end with a lug 4 which when in position engages the rear face of one of the panels 1. Upon the opposite end portion of the grate is held a longitudinal slotted slidable catch 5 which slides horizontally between guides 6 formed upon the inner face of the grate front, and a threaded bolt 7 carried by the grate and between the said guides 6 projects through the slot of the catch 5, and a nut 8 works upon said bolt, and when tightened locks the catch in position.

In placing the grate in position the lug 4 is first slipped into place, and the catch 5 is then moved between the guides 6 into the position shown in Fig. 1 and the nut 8 is then tightened, thus locking the catch 5 back of the panel 1 with which it engages, and the grate is then securely held at both ends against rearward or outward movement.

What I claim is:—

The combination with an open fire place frame, of lugs carried by opposite sides of the fire place and extending inwardly from said sides, said lugs being arranged in pairs, the lugs of each pair being in vertical alinement, a grate adapted to fit in said fire place and abutting the front sides of said lugs, a lug carried by one end of the grate adapted to engage the rear face of the frame at a point between the lugs carried by one side of the fire place, a slidable catch carried by the other end of the grate and engaging the rear face of the opposite side of the frame at a point between the lugs carried by said side and lugs carried by the grate and resting upon the lugs first mentioned.

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Witnesses:
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