O. V. BUMPASS.

STOVE AND FIREPLACE.

APPLICATION FILED MAY 12, 1920.

1,360,619.

Patented Nov. 30, 1920.

2 SHEETS—SHEET 1.

Fig. 1.

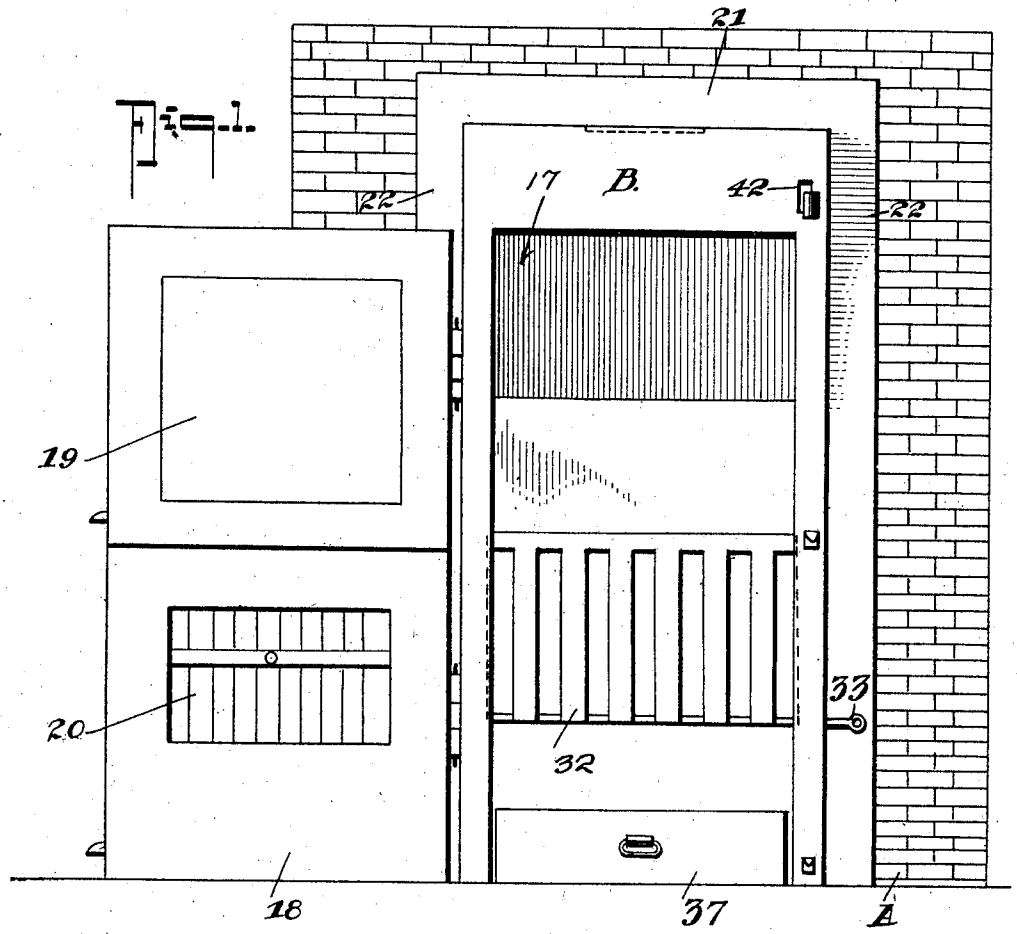
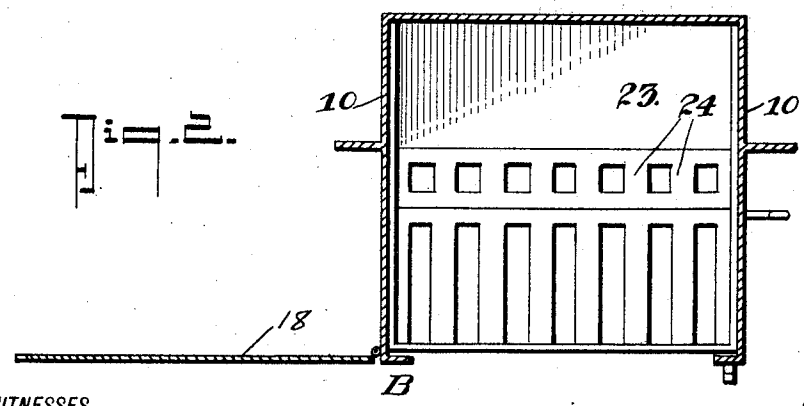


Fig. 2.



WITNESSES

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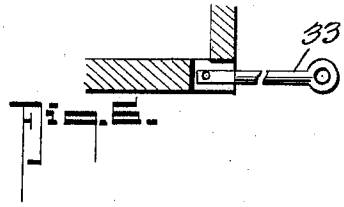


Fig. 5.

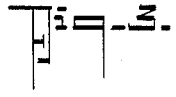
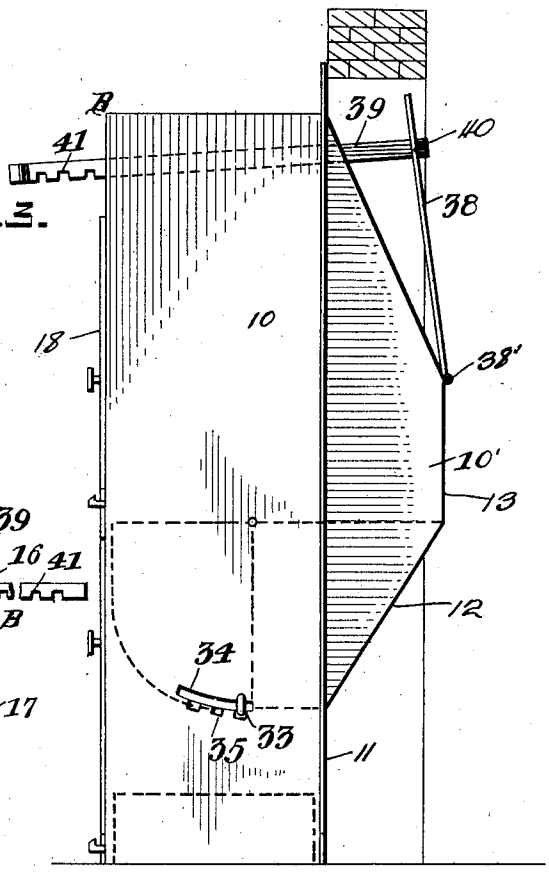
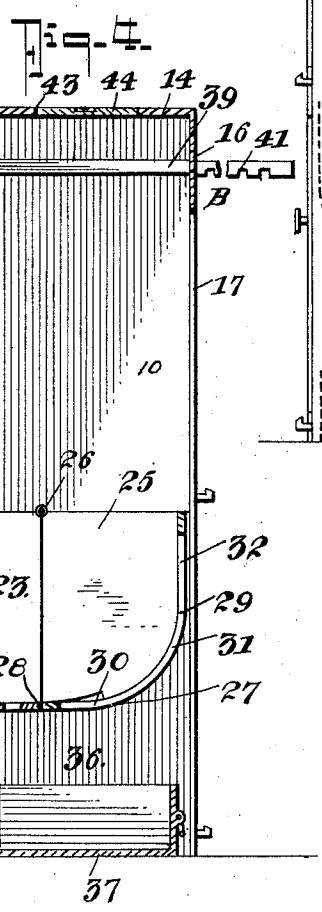


Fig. 3.





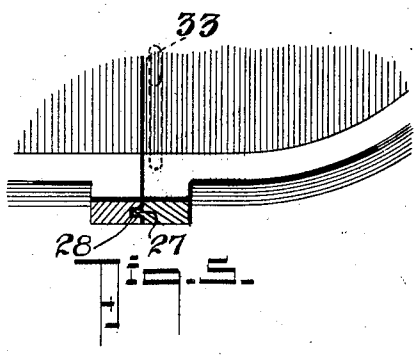


Fig. 4.

Fig. 5.

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UNITED STATES PATENT OFFICE.

OLLIE VERNON BUMPASS, OF CORINTH, MISSISSIPPI.

STOVE AND FIREPLACE.

1,360,619. Specification of Letters Patent. Patented Nov. 30, 1920.

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To all whom it may concern:

Be it known that I, OLLIE VERNON BUMPASS, a citizen of the United States, and a resident of Corinth, in the county of Alcorn and State of Mississippi, have invented certain new and useful Improvements in Stoves and Fireplaces, of which the following is a specification.

My invention relates to a combination stove and fire place, and has for its object to provide a device of this character especially adapted to be arranged in a fire place opening and possessing, when so arranged, the capabilities and utilities of both a stove and a fire place.

Another object is to provide a device of this character of simple and durable construction, reliable in operation and easy and inexpensive to manufacture.

Other objects and advantages reside in certain novel features of construction, combination and arrangement of parts which will be hereinafter more fully described and particularly pointed out in the appended claims, reference being had to the accompanying drawings in which:

Figure 1 is a front elevational view of my improvement;

Fig. 2 is a horizontal sectional view;

Fig. 3 is a side elevational view, the fire place being shown in section;

Fig. 4 is a view in transverse vertical section;

Fig. 5 is a detail view of the joint between the locking section and the stationary section of the grate.

Fig. 6 is a detail view of the rocking grate handle and associated structure.

Referring to the drawings, it will be seen that my invention contemplates a fire place indicated at A, in which my invention is arranged and in connection with which it is adapted to be employed.

A casing indicated generally at B is provided, and consists of side walls 10, a back wall comprising a lower vertical portion 11, an inwardly inclined portion 12 and an upper vertical portion 13, all of said portions except the portion 13 being formed integrally, the upper vertical portion 13 terminating short of the top wall 14 to define with the top wall an opening 15 and a front wall 16 provided with a door opening 17 therein. The door opening 17 of the front wall is closed by a door 18 having a transparent panel 19 in the upper portion thereof and shutters 20 in the lower portion thereof. As shown in Fig. 3 the side walls are extended, as at 10′ to conform to the form of the portions of the back wall. The casing D is set in the fire-place, as shown in Fig. 1, and the top and side walls of the casing are provided with laterally extending flanges 21 and 22, respectively, which extend over the adjacent portions of the fire-place wall to cover the crevices that might otherwise be formed between the casing and the wall and also serving to adapt the casing to different size fire-places and to improve the appearance of the casing in position.

A grate is provided and consists of a stationary rear section 23 fixed to the walls of the casing and including grate bars 24. A movable or rocking front grate section 25 is hinged at 26 to the stationary section 22 and the meeting ends of the grate sections are provided with an interfitting tongue and groove 27 and 28, respectively, as shown in detail in Fig. 5. It will be seen in Fig. 1 that the tongue 27 is preferably carried by the front rocking section 28 and the groove is carried by the stationary rear section 28. The rocking grate section includes the grate bars 29 which extend outwardly, as at 30, are curved upwardly, as at 31, and extend vertically, as at 32. When the grate is in use with the coals thereon, the tongue and groove of the sections are nested, as shown in Fig. 5, and take the major portion of the strain, the parts being held in this position by the pivotal connection 26 and also by the locking action of the operating handle 33 which is pivoted to swing vertically with respect to the rocking section and constrained against horizontal swinging with respect thereto, as shown in detail in Fig. 6. The outer end of the handle extends through an arcuate slot 34 and coöperates with the series of notches 35 formed in the lower wall of the slot. The handle 33 thus effects adjustment of the rocking grate section and assists in locking the grate section in position.

The lower portion of the grate section together with the lower vertical portion 11 of the back wall define an ash pit 36 which conveniently receives an ash pan 37.

The opening 15 defined by the upper vertical portion 13 of the back wall, the top

wall and the adjacent portions of the side wall communicates with the interior of the fire-place which of course leads to the flue of the chimney (not shown). A damper 38 is hinged at 38′ to the upper end of the vertical portion 13 of the back wall, and is adjusted and maintained in adjusted position by means of a bar 39 pivoted, as at 40, to the damper and having its outer end racked, as at 41, to coöperate with the lower edge of the opening 42 formed in the front wall of the casing. The outer end of the bar is formed to constitute a handle.

The top 14 of the casing is provided with one or more openings, indicated at 43, which are adapted to be normally closed by the removable lid 44 similar to a stove-lid. In practice it will be seen that when a fire is made in the grate and the door 18 is closed, the device presents all of the features and utilities of the ordinary stove. It, of course, radiates heat and the top thereof provides a surface to receive the articles to be heated, the removable lid providing as in the case of an ordinary stove means by which the intensity of the heat to which the article is exposed may be increased.

If it is desired to use the device as an open fire place, it is only necessary to open the door. The vertical grate bars 29 provide all the features of a grate with respect to utility as well as appearance.

In both uses the fire is of course regulated by the damper 38, the adjustment of which regulates the draft although when the device is used as a stove the draft can be further controlled by manipulating the shutters 20. When it is desired to dump the grate as in the case of making a new fire, the handle 33 is released from engagement with the inner notch and the handle is pulled outwardly within the slot 34, thus swinging the outer section away from the inner section and dumping the contents of the grate. When the grate is emptied, the handle 34 is urged backwardly through the slot and again engaged with the innermost notch at which time the tongue and groove of the sections are nested and the parts are in position to receive and hold the fire.

I claim:

1. A combination stove and fire place adapted to be arranged in a fire place opening comprising a casing having side walls, a top wall, a back wall having an opening and a front wall having an opening, one of said side walls being provided with an arcuate slot having notches, a damper controlling the opening in the back wall, a door for the opening in the front wall, a grate carried by the casing comprising a stationary rear section including grate bars and a rocking front section hinged to said stationary section and including grate bars extending outwardly, upwardly and then vertically of the grate, the meeting ends of said grate sections being provided with an intershifting tongue and groove, and means for adjusting said movable grate section and locking said movable grate section in adjusted position comprising a handle pivoted to said movable grate section to swing vertically with respect thereto and constrained against horizontal motion with respect thereto and engageable with the notches formed in the arcuate slot of said casing.

2. A combination stove and fire place adapted to be arranged in a fire-place opening comprising a casing having side walls, a top wall, a back wall having an opening and a front wall having an opening, one of said side walls being provided with an arcuate slot having notches, a damper controlling the opening in the back wall, a door for the opening in the front wall, a grate carried by the casing comprising a stationary rear section including grate bars and a rocking front section hinged to said stationary section and including grate bars extending outwardly, upwardly and then vertically of the grate, the meeting ends of said grate sections being provided with an interfitting tongue and groove.

3. A combination stove and fire place adapted to be arranged in a fire place opening comprising a casing having side walls, a top wall, a back wall having an opening and a front wall having an opening, one of said side walls being provided with an arcuate slot having notches, a damper controlling the opening in the back wall, a door for the opening in the front wall, a grate carried by the casing comprising a stationary rear section including grate bars and a rocking front section hinged to said stationary section and including grate bars extending outwardly, upwardly and then vertically of the grate.

4. A combination stove and fire place adapted to be arranged in a fire place opening comprising a casing having side walls, a top wall, a back wall having an opening and a front wall having an opening, one of said side walls being provided with an arcuate slot having notches, a damper controlling the opening in the back wall, a door for the opening in the front wall, a grate carried by the casing comprising a stationary rear section including grate bars and a rocking front section hinged to said stationary section and including grate bars extending outwardly, upwardly and then vertically of the grate, and means for locking said movable grate section in adjusted position.

5. A combination stove and fire place adapted to be arranged in a fire-place opening comprising a casing, a grate arranged in

said casing and consisting of a stationary grate section, a movable grate section hinged to said stationary grate section, the meeting ends of said grate sections having an interfitting tongue and groove and means for adjusting said movable grate section and for locking said movable grate section in adjusted position.

6. A combination stove and fire place adapted to be arranged in a fire-place opening comprising a casing, a grate arranged in said casing including a stationary section and a movable section, and means for adjusting said movable section and locking the same in adjusted position comprising a handle pivoted to swing vertically with respect to said grate section and constrained against horizontal swinging movement with respect thereto.

OLLIE VERNON BUMPASS.