

No. 876,670.

PATENTED JAN. 14, 1908.

H. M. WALKER.
FIREPLACE.

APPLICATION FILED APR. 9, 1907.

2 SHEETS—SHEET 1.

FIG. 1.



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2 SHEETS—SHEET 2.

FIG. 2.

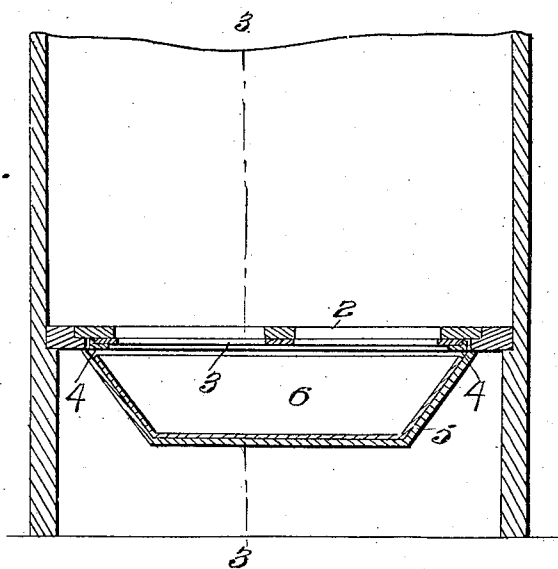


FIG. 3.

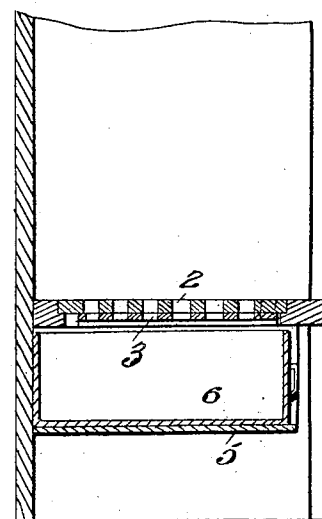
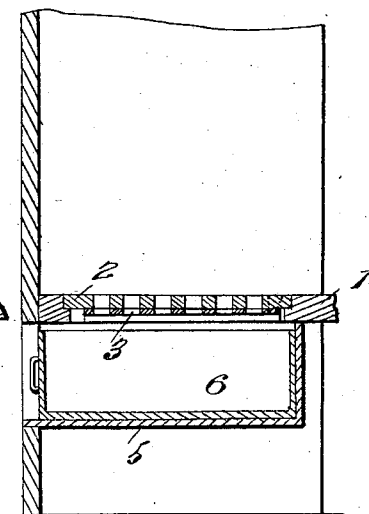


FIG. 4.



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UNITED STATES PATENT OFFICE.

HARRY M. WALKER, OF MAPLESVILLE, ALABAMA.

FIREPLACE.

No. 876,670.

Specification of Letters Patent.

Patented Jan. 14, 1908.

Application filed April 9, 1907. Serial No. 367,143.

To all whom it may concern:

Be it known that I, HARRY M. WALKER, citizen of the United States, residing at Maplesville, in the county of Chilton and State of Alabama, have invented certain new and useful Improvements in Fireplaces, of which the following is a specification.

This invention relates to fire place heaters and has for its object to prevent the great amount of warm air being drawn from the room by fire places as originally constructed.

A further purpose of the invention is to facilitate the removal of ashes so that the hearth may be kept clean and free from any accumulation of ashes which is a source of hindrance to the fire besides admitting of dust flying in the air and settling upon furniture, draperies and the like.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings.

While the invention may be adapted to different forms and conditions by changes in the structure and minor details without departing from the spirit or essential features thereof, still the preferred embodiment is shown in the accompanying drawings, in which:

Figure 1 is a perspective view of a fire place embodying the invention. Fig. 2 is a vertical longitudinal section thereof. Fig. 3 is a vertical transverse section of the fire place on a central line as indicated by 3—3 of Fig. 2 showing the ash pan removable from the box upon the inside of the wall. Fig. 4 is a view similar to Fig. 3 showing the ash pan removable from the box through the rear wall.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The fire place is of ordinary appearance being built in and comprising a back, sides and an open front. The distinguishing feature resides in the hearth 1 which is substantially on a level with the ground and is supplied with a removable grate 2 supported upon ledges or rests extended inward from edges bordering upon an opening formed in the hearth, the grate being flush at its top with the hearth. A grid 3 is arranged beneath the grate 2 and is slidably mounted in ways 4 pendent from the grate and con-

stitutes a damper either to shut off the draft from below, or to regulate the draft according as it may be required to have the fire burn more or less briskly. The provision of the grate subserves a two-fold function, viz: to form a support for logs, thereby obviating the necessity of providing the usual andiron, and secondly to provide an escape for ashes and an inlet for air to support and promote combustion.

A box 5 is provided beneath the hearth 1 and may have an opening either at the front or in the rear according as the air is to be supplied from beneath the floor or from the outside through the back of the fire-place. The box 5 besides forming an air chamber also provides an ash pit and may receive a pan 6 into which the ashes drop through the grate to admit of the ashes being conveniently removed from time to time.

As shown in the drawings it is contemplated to place the hearth substantially on a level with the floor and both the box 5 and ash pan 6 are located entirely below the level of the floor. The ash pan 6 may be removed or placed in position either from the front or rear of the box as may be found most desirable according to the location and conditions. In Fig. 4 the wall at the back of the fire place is shown as provided with an opening through which the ash pan 6 is removable, while in Fig. 3 the said ash pan is shown as removable through the front of the box 5. With this latter construction the front portion of the hearth 1 is provided with an opening 7 through which the ash pan may be lifted above the floor or placed in position within the box. This opening 7 is normally closed by means of a cover 8 which is flush with the hearth and may be provided with a lifter opening 9 to receive any conventional form of implement such as are used for removing stove covers and the like.

By adjusting the grid or damper 3, air may be supplied to the fire from below, either from beneath the floor or from the outside, thereby preventing exhausting the warm air from the room for supporting combustion. As the ashes form, they drop through the spaces between the bars of the grate and grid and are received in the ash pit or the ash pan 6 arranged in the pit or box 5. The ashes accumulating in the pan are removed from time to time in the manner herein stated.

It will be understood that when the fire place is used for burning logs or wood, no support other than the grate 2 is necessary since such grate admits of the air reaching 5 the logs and which is the sole purpose of the andirons or like supporting means commonly provided for holding the logs slightly elevated when burning.

Having thus described the invention, 10 what is claimed as new is:

A fire place comprising a back, sides and an open front, a hearth having an opening in the rear portion thereof and also provided with a second opening in the forward 15 portion thereof, the said hearth being sub-

stantially on a level with the floor, a grate removably mounted within the first mentioned opening, a cover for the second mentioned opening, a box located under the grate and provided with an open side, and 20 an ash pan slidably mounted within the box and removable through the open side thereof and the second mentioned opening in the hearth.

In testimony whereof I affix my signature 25 in presence of two witnesses.

HARRY M. WALKER. [L. s.]

Witnesses:

JOHN I. ENSIGN,

R. G. PRATT.