

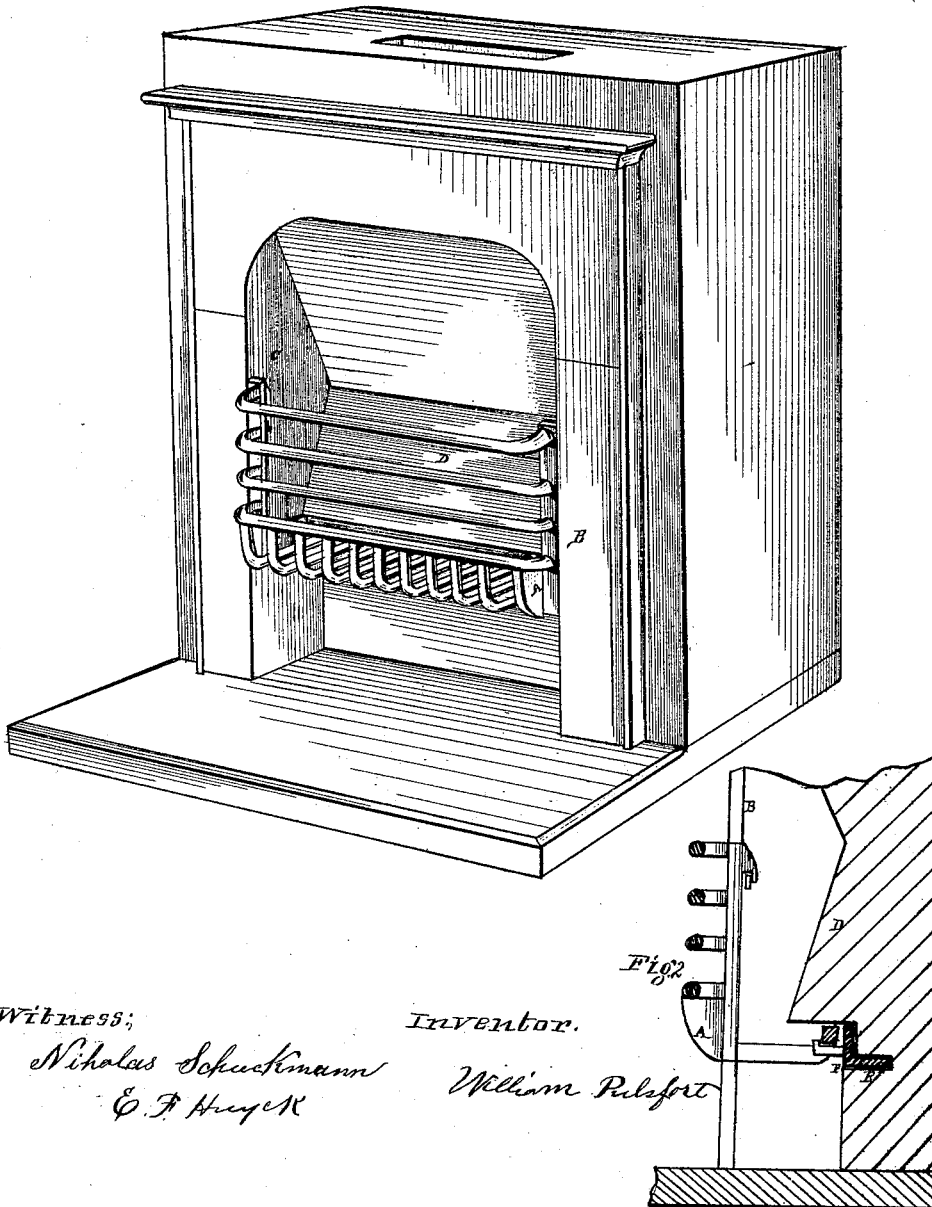
W. PULSFORT.

Fire Place.

No. 111,971.

Patented Feb. 21, 1871.

Fig. 1



Witness;

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E. F. Hoyer

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WILLIAM PULSFORT, OF LOUISVILLE, KENTUCKY.

Letters Patent No. 111,971, dated February 21, 1871.

IMPROVEMENT IN FIRE-PLACE GRATES.

The Schedule referred to in these Letters Patent and making part of the same.

I, WILLIAM PULSFORT, of the city of Louisville, county of Jefferson and State of Kentucky, have invented a certain new and useful Improvement in Fire-Grates, of which the following is a specification.

The first part of my invention consists more especially in the manner of setting the grate, which is done with common fire-brick, the sides or jambs being made much flaring so as to make it much narrower across the back than in front. The back is also beveled back from the bottom as high up as the top of the grate, where it again pitches forward in the usual manner. The lower part of the back and jambs are both set in over the bottom of the grate, in order to make the fire-space much smaller at the bottom than at the top, in order to economize in fuel and to produce a greater amount of heat with a given amount of fuel than can be done by those now in use, the back and jambs below the grate being left square, in order to give space for the ash-pan, and, by means of the projections of the back and sides over the grate, all ashes are precipitated into the pan without waste.

The second part of my invention consists in a bar made of angle iron, either wrought or cast, and built in the wall immediately behind the grate bottom, as a rest on which to start the projection at the lower end of the back wall, and also to hold up the grate, which is done either by hooks cast on the bar or sep-

arate hooks built in the wall under it, the upper part of the grate being secured to the front by means of hooks at the corners.

Having thus fully described the nature of my invention, a more perfect understanding of which may be had by reference to the drawing—

Figure 1 is a view of the grate complete.

Figure 2 is a sectional view of the same, showing the shape of the back, and also the iron bar under it, and the hooks that hold up the grate.

A is the grate.

B is the front.

C are the jambs.

D is the back.

E is the iron bar under it.

F are the hooks by which the grate is held up.

Therefore I do not claim anything as new or original in the grate or front; but

What I do claim as new, and desire to secure by Letters Patent, is—

The bar E with its hooks F, in combination with the grate A, the jambs C, and back D, substantially as and for the purpose hereinbefore set forth.

WILLIAM PULSFORT.

Witnesses:

NICHOLAS SCHUCKMANN,

E. F. HUYCK.