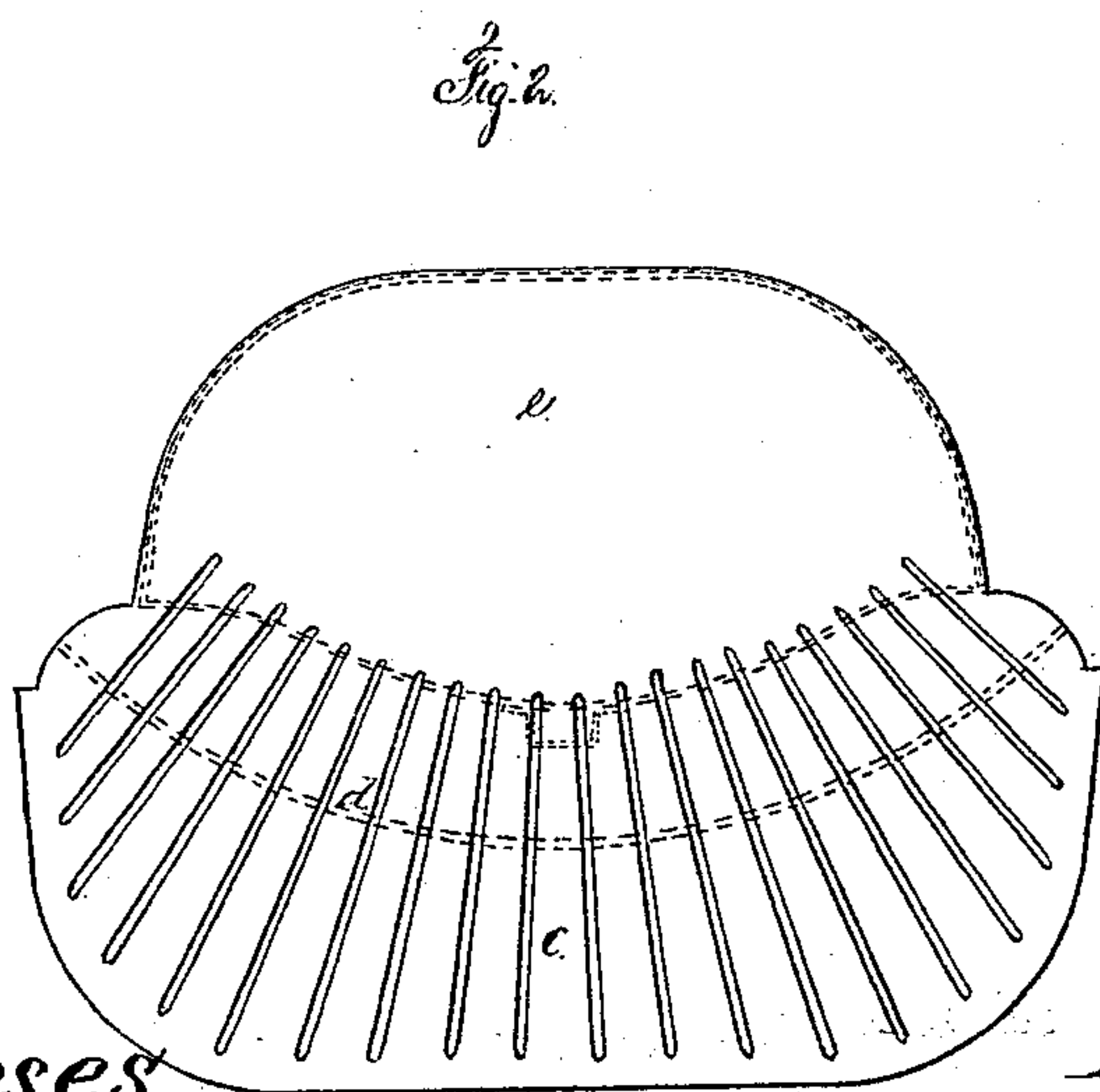
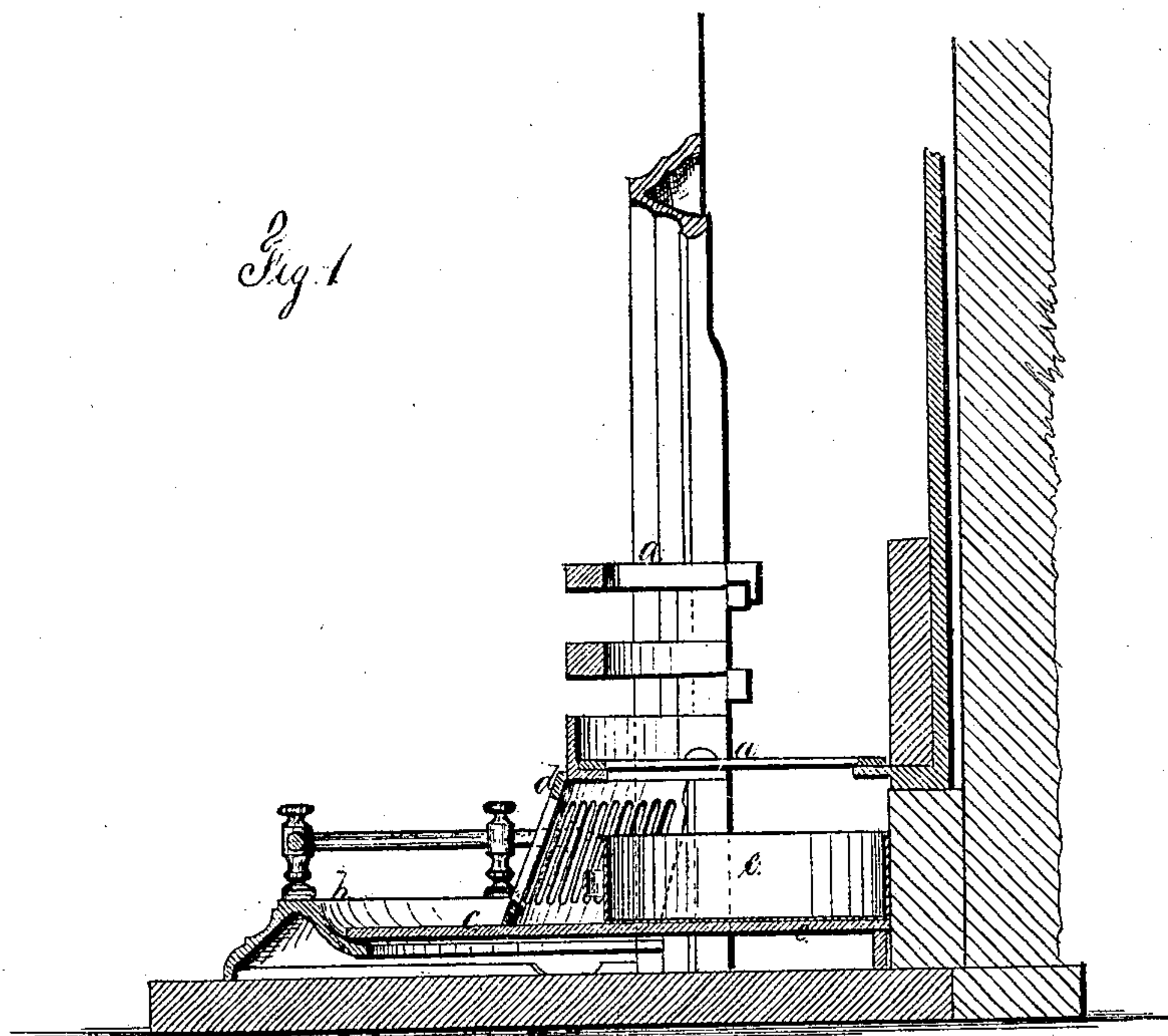


S. S BENT.
Grate Fender.

No. 105,295.

Patented July 12, 1870.



Witnesses.

Geo. D. Walker
Chas. H. Smith

Inventor:

Samuel S. Bent

United States Patent Office.

SAMUEL S. BENT, OF PORT CHESTER, NEW YORK.

Letters Patent No. 105,295, dated July 12, 1870.

GRATE-FENDER.

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

To all whom it may concern:

Be it known that I, SAMUEL S. BENT, of Port Chester, in the county of Westchester and State of New York, have invented and made a new and useful Improvement in Grate-Fenders; and the following is declared to be a correct description of the same.

In the construction of fenders for grates it has heretofore been usual to provide four parts, viz., 1, a grate-frame, 2, an apron upon the same running back to 3, a grating below the grate and above 4, the pan into which the ashes are received.

This construction renders it necessary to have the apron of the fender some distance above the hearth, so that the ash-pan may sit below the back edge thereof.

The fender has also been made to sit quite low, with the apron running back to an ash-pan below the grate, which ash-pan rises higher than said apron, and, to hide the said ash-pan from view, an ornamental crown-piece has been provided to rest upon the apron and against the lower portion of the grate itself.

When a fender in either of the before-named forms is employed, there is risk of dust and dirt being scattered upon the carpet or floor when the ashes are being taken up, because the fender and apron have to be lifted aside to get at the ash-pan, and the ashes accumulating upon the fender are liable to be scattered, and the ash-pan has to be moved and set down while the hearth is being swept up.

My improvement is made with a view to remedying these inconveniences; and consists in a fender-apron, that extends from the fender-frame in beneath the grate, to the back of the ash-pit, and receives upon it the ash-pan and crown-piece.

By this construction the fender can be made as low or shallow as possible, the dust, ashes, cinders, &c., are all kept upon the fender, and can be swept up thereon and placed in the ash-pan without having to move the fender from its place, and this fender is more safe in use than others preceding it, because there are not any openings through which hot coals can pass below the fender-apron; therefore, the carpet is protected, even if it should run partially beneath the fender-apron.

In the drawing—

a is a grate and frame, of any usual construction;

b is the fender-frame;

c, the apron;

d, the crown-piece; and

e, the ash-pan.

In the vertical section, Figure 1, this apron *c* is shown, together with the relative positions of the ash-pan, crown, and grate; and in Figure 2 the apron is shown separately by a plan view, the positions of the ash-pan and crown being represented by dotted lines.

The apron is of the size and shape to pass back beneath the grate, and set closely to the walls of the ash-pit or space, and receive upon it the ash-pan *e* and crown-piece *d*, as aforesaid.

I claim as my invention—

The removable apron *c* of the fender, made to pass in beneath the grate, and support the ash-pan *e* and crown *d*, as and for the purposes set forth.

Dated May 16, A. D. 1870.

SAMUEL S. BENT.

Witnesses:

GEO. D. WALKER,

GEO. T. PINCKNEY.