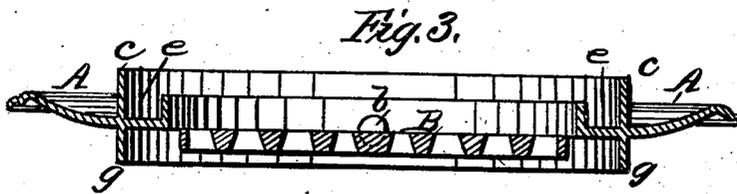
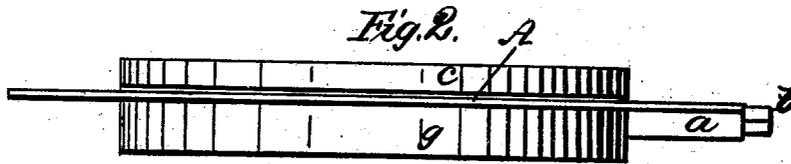
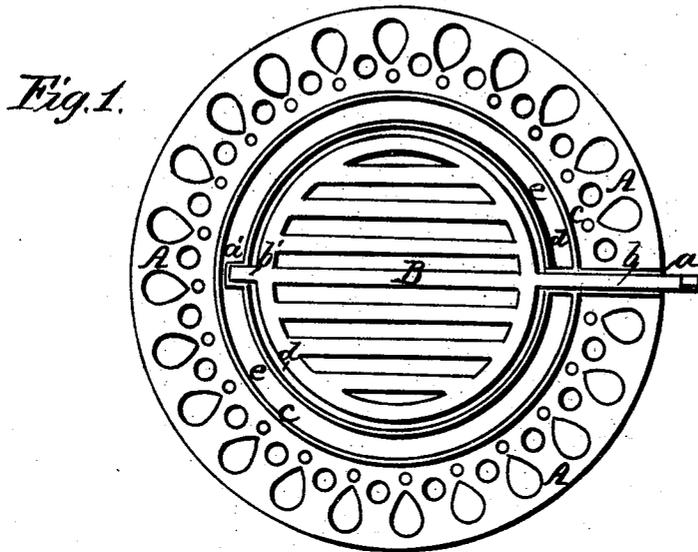


J. H. KEYSER.

Foot Rest, Grate, and Fire-Brick Base.

No. 80,971.

Patented Aug. 11, 1868.



Witnesses.
R. T. Campbell
J. H. Campbell

Inventor
John H. Keyser
by
Marion Finnick Chamberlain

United States Patent Office.

JOHN H. KEYSER, OF NEW YORK, N. Y.

Letters Patent No. 80,971, dated August 11, 1868.

COMBINED FOOT-REST, GRATE, AND FIRE-BRICK BASE.

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, JOHN H. KEYSER, of the city and county of New York, in the State of New York, have invented a Combined Foot-Rest, Fire-Brick Base, and Grate-Support; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a top view of the foot-rest, the fire-brick base, and the grate-support combined.

Figure 2 is a side elevation of the same.

Figure 3 is a diametrical section through the same.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to a new and useful improvement, whereby I am enabled to combine, in a very desirable manner, with a circular-flange foot-rest for a stove, a means for supporting and keeping in place the fire-brick lining, and also the tilting-grate, as will be hereinafter explained.

To enable others skilled in the art to understand my invention, I will describe its construction and operation.

In the accompanying drawings, A represents a circular flange, which is thickly perforated, and adapted to serve, when applied to a stove, as a rest for the feet, and also as a guard and ornament for a stove. Surrounding the inner edge of this flange or ring A is an elevation or lip, *d*, between which and an annular collar, *e*, a channel, *e*, is formed. This channel *e* is designed for receiving the lower edges of the fire-bricks, which are used for lining the fire-chamber of the stove. The external collar *e*, surrounding the channel *e*, serves as a means for receiving the lower edge of the cylindrical or conical shell which forms a wall around the fire-chamber, and holding this shell securely in place. Beneath the collar *e*, on the bottom side of the flange A, is an annular collar, *g*, which enters the upper edge of the base-section of the stove, and unites the foot-rest and its attachment to this base-section.

By reference to fig. 1 it will be seen that channels *a a'* are formed in the flange or foot-rest and base *e*, and adapted for receiving and serving as bearings for the rod *b* and trunnion *b'* of a turning-grate, B.

In the specification annexed to the Letters Patent which were granted to me on the 27th day of August, 1867, I have fully described a circular and open-work foot-rest for a stove, and shown the advantages attending a foot-rest of such description, when constructed with collars for securing it between and to the upper and base-section of a stove. I have constructed the flange or foot-rest A in a similar manner to that shown in my aforesaid Letters Patent, and also made provision for applying to it a grate and also the fire-brick lining; and I have also made provision for constructing the foot-rest, its fire-brick receptacle *e*, and the channels or bearings for a grate, all of one piece of metal, as shown in the drawings.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. Constructing a circular flange or foot-rest for a stove, with a receptacle for a fire-brick lining, substantially as described.
2. Constructing a circular flange or foot-rest for a stove with grate-bearings, substantially as described.
3. The combination of flange A, collars *c d g*, and depressions *a a'*, substantially as and for the purposes described.

JOHN H. KEYSER.

Witnesses:

WILLIAM TURTON,

WILLIAM F. HUESTON.