J. H. KEYSER.

Heating Stove.

No. 68.086. Patented Aug. 27, 1867.

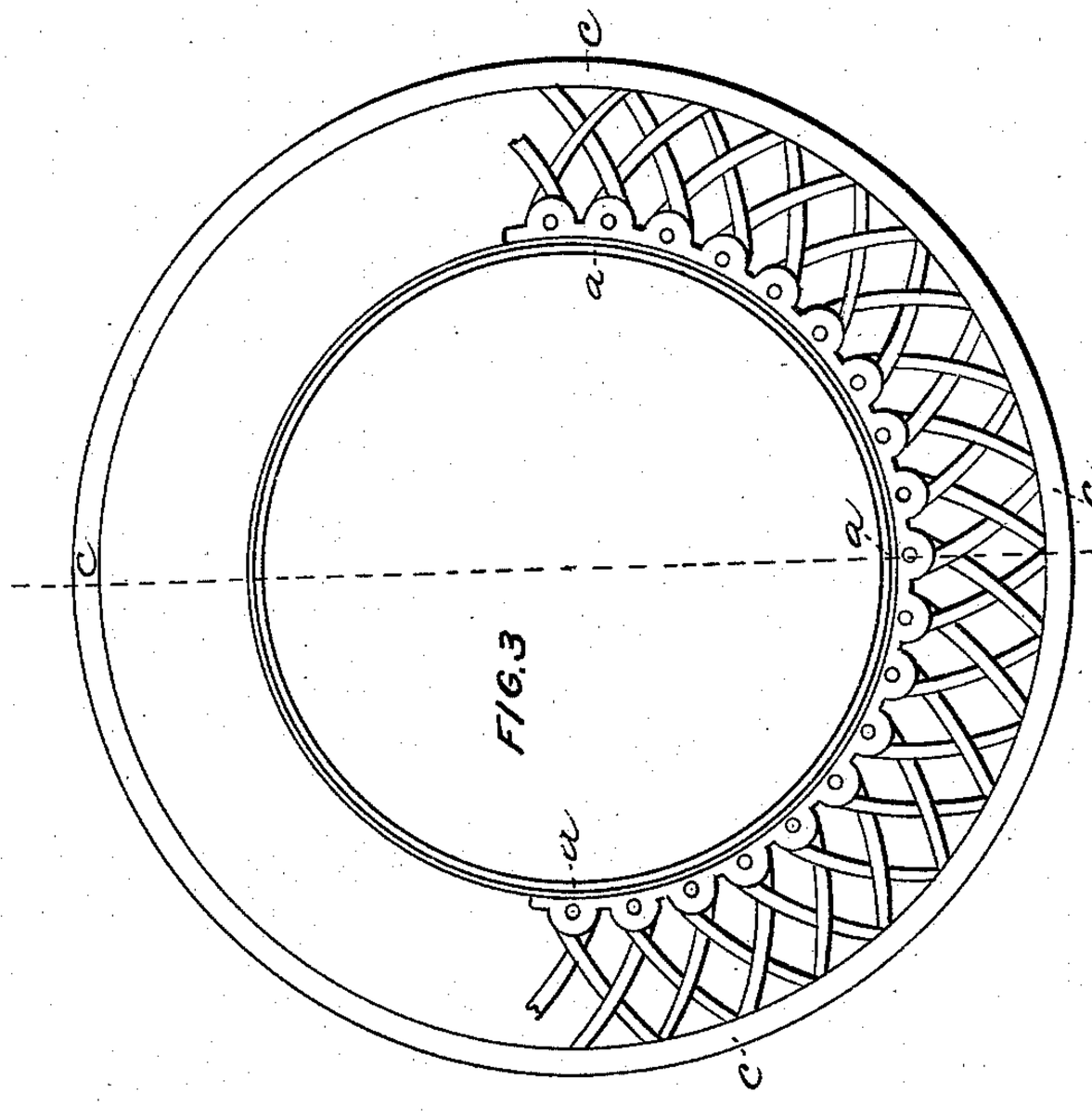

FIG. 3

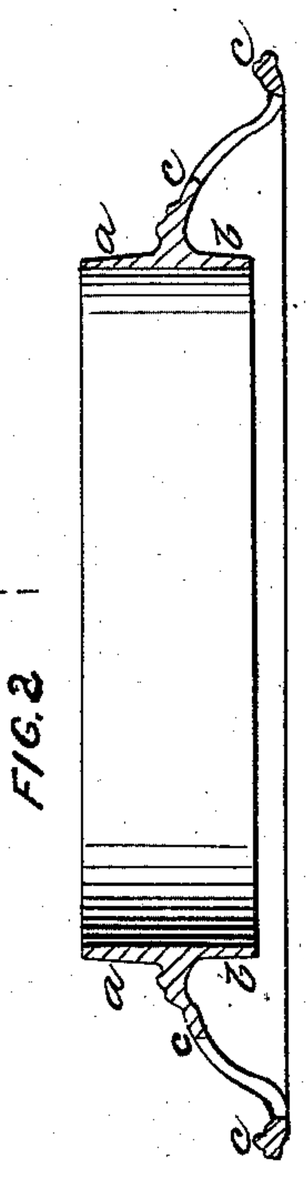

FIG. 2

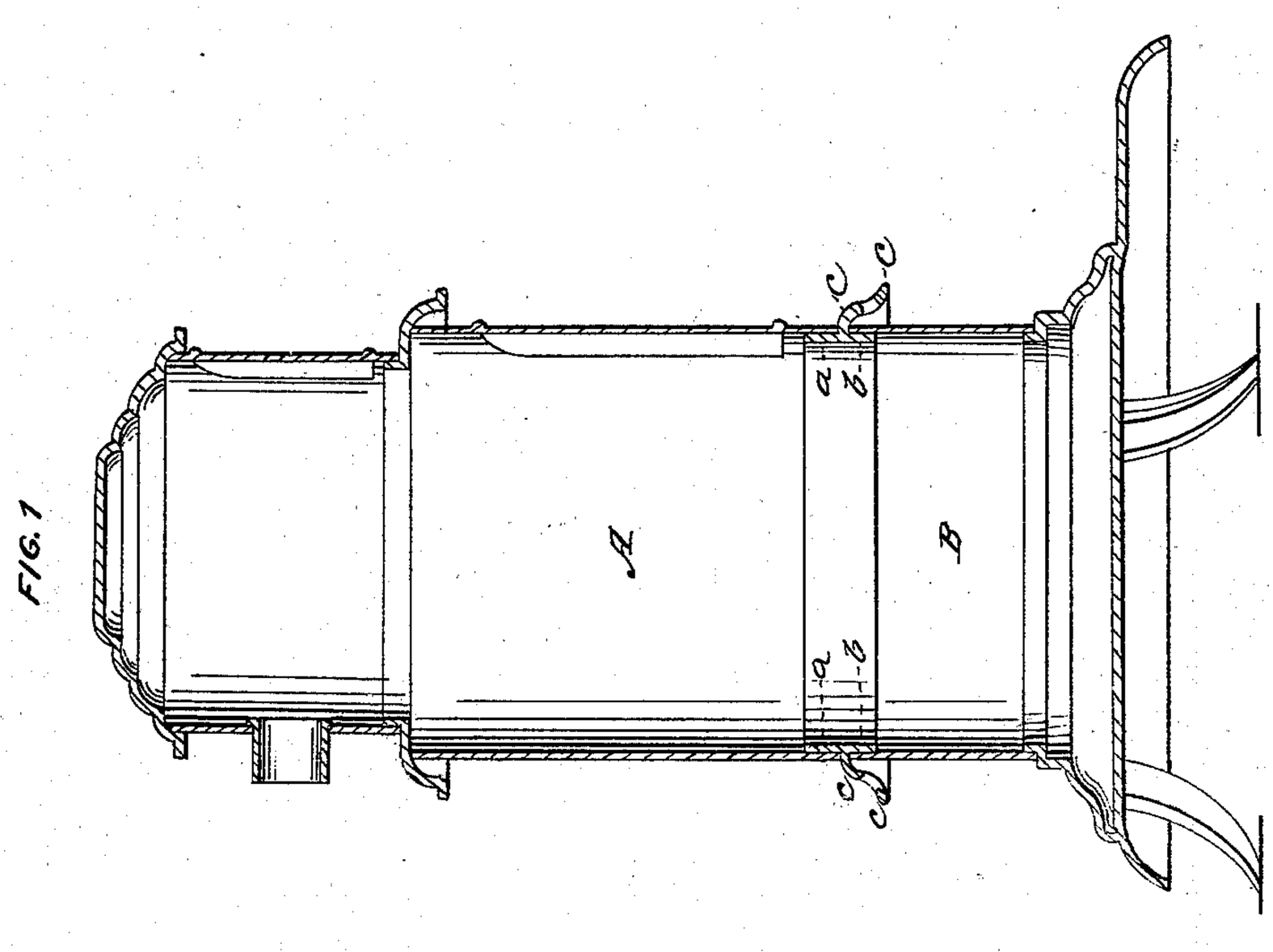

FIG. 1

WITNESSES:
William Turton
R. J. Campbell

INVENTOR:
John H. Keyser
by
Mason, Fenwick & Lawrence

United States Patent Office.

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

Letters Patent No. 68,086, *dated August* 27, 1867.

FOOT-RESTS FOR STOVES.

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 New York city, in the county and State of New York, have invented a Foot-Rest for Stoves; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a sectional view of a stove, showing the foot-rest applied to it.

Figure 2 is an enlarged sectional view of the foot-rest.

Figure 3 is a top view of the same.

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

The object of this invention is to provide a stove with a ring which is so constructed that it shall serve as a rest for supporting the feet of persons sitting or standing near the stove, and also as a means for connecting together the upper and lower sections of the stove without the necessity of employing bolts and nuts for tying together those sections, as hitherto practised.

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

The usual mode of applying annular foot-rests to stoves has been to form lugs on their interior edges, and pass the tie-rods, which hold the sections of the stove together, through these lugs. The objection to this mode is that the rings or foot-rests are not strong enough to stand the weight and strain to which they are necessarily subjected. When thus constructed the rings serve but one purpose, which is that above mentioned, and they rather weaken than strengthen a stove at the point of connection therewith, particularly if the cylinders of such stove be made of sheet iron.

The ring which I have represented in the drawings is designed to serve the double purpose of connecting two of the sections of the stove together, and of a rest for the feet. It consists of a circular band of metal, forming an upper flange, *a*, for receiving and holding the upper section A of the body of the stove; and a lower flange, *b*, for receiving and holding the lower section of the body of the stove, thus uniting the stove sections. From the circumference of this band the foot-rest *c* projects, which forms upper and lower shoulders, against which the ends of the stove sections abut, and are held without bolts or other auxiliary means. This foot-rest *c* may project horizontally outward, or it may be made to resemble a moulding by having it curve downward and outward like a plain ogee, as shown in drawings. This portion *c* is perforated for the purpose of ornamentation, but more particularly for the purpose of allowing air to pass freely through it, and thus, by the free circulation of air, to prevent it from becoming so hot as to burn the shoes.

I do not confine my invention to any particular shape of foot-rest, as different forms may be adopted to suit the taste. It should be made quite wide and very open, so as to avoid danger of burning the shoes when the stove is quite hot. This ring which I have described is made of one piece of metal, cast in moulds suitably adapted for the purpose, and constructed with the outer surfaces of its flanges slightly tapering or wedging, as shown in the drawings, so that the sections A and B will fit tightly upon them, and be held firmly in place. It will be seen that the foot-rest *c* possesses much greater strength than the foot-rests hitherto used for stoves, which strength is given to it by the band or flanges *a b* upon which it is formed, and, while this is the case, the flanges and foot-rest combined also serve the purpose of a guard for stiffening and strengthening the body of the stove at the junction of the two sections, as well as above and below this junction.

I am aware that in the application of Henry F. Phillips, withdrawn in the year 1857, he shows a solid annular stove-guard, constructed with cylindrical flanges upon it for receiving the upper and lower sections of the stove. I do not therefore claim as my invention a solid guard; nor do I claim a guard with cylindrical flanges formed upon it. The flanges I show serve as circular wedges for firmly holding the upper and lower sections of the stove, and making tight joints without the use of tie or through bolts.

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

An open-work foot-rest, which is constructed with annular tapering flanges, as a new and improved article of manufacture.

JOHN H. KEYSER.

Witnesses:

WILLIAM TURTON,

JOHN REGAN.