No. 651,262. Patented June 5, 1900.

J. G. McNAUGHTON.

HEATER.

(No Model.) (Application filed June 14, 1899.)

Fig. 1.

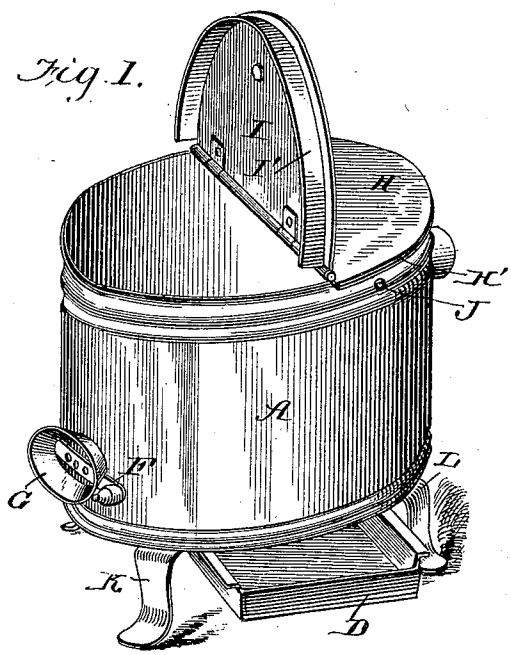


Fig. 2.

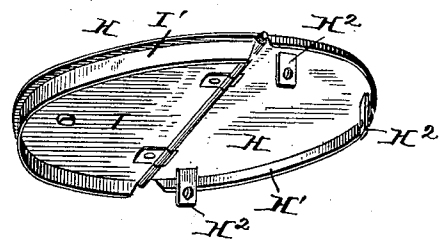


Fig. 3.

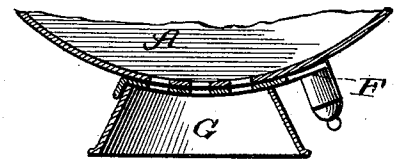


Fig. 4.

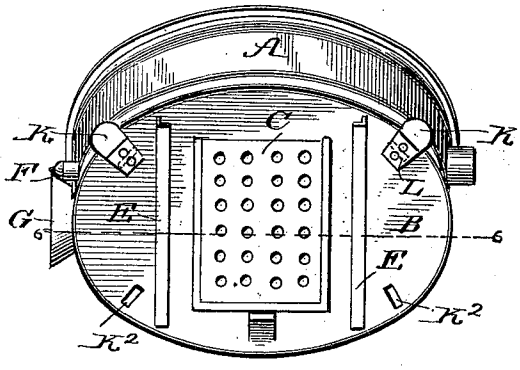


Fig. 5.

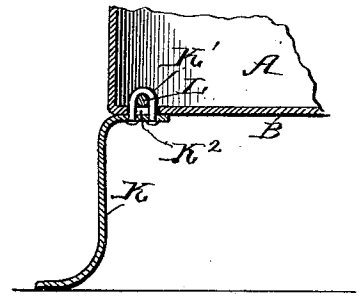
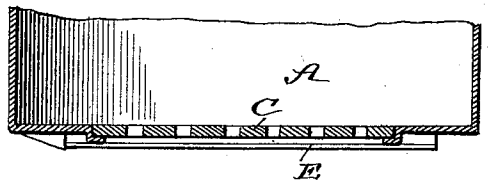


Fig. 6.



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JOHN GRELIS MCNAUGHTON, OF SALISBURY, NORTH CAROLINA.

HEATER.

SPECIFICATION forming part of Letters Patent No. 651,262, dated June 5, 1900.

Application filed June 14, 1899. Serial No. 720,486. (No model.)

To all whom it may concern:

Be it known that I, JOHN GRELIS MCNAUGHTON, of Salisbury, in the county of Rowan and State of North Carolina, have invented a new and useful Improvement in Heaters, of which the following is a specification.

My invention is an improvement in heaters, seeking to avoid the defects in the ordinary heaters and to furnish a heater having novel constructions whereby to facilitate the relining of the stove without any injury to the stove-top, to permit the ready control of the draft, and the convenient withdrawal of the ashes.

The invention has for further objects other improvements; and it consists in certain novel constructions and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the heater with the lid raised and the ash-drawer partly withdrawn. Fig. 2 is a detail perspective view of the top removed. Fig. 3 is a detail view of the draft. Fig. 4 is an inverted perspective view of the heater with the ash-drawer removed. Fig. 5 is a detail view illustrating the means for securing the legs in place. Fig. 6 is a cross-sectional view on about line 6 6 of Fig. 4, illustrating the perforated plate forming the grate.

This heater has the body A, which is shown as non-circular and is open at its upper end and may in practice be lined in any suitable manner. The bottom B is of suitable material and is provided with a grate C, which may be of double thickness and is a plate having numerous perforations through which the ashes may be discharged into the drawer D below. This drawer D, forming the ash-pan, slides in guides E, extending on opposite sides of the grate C, as shown. These guides E are arranged considerably to one side of the grate to avoid any spilling of ashes alongside the drawer D.

The draft has an opening controlled by the perforated sliding damper F and surrounded by the outwardly-flaring funnel-like tube G, the damper being arranged adjacent to the connection of the funnel G with the body of the heater, as shown.

The top of the heater conforms in shape to the body A and is composed of the main section H and the lid I, which is hinged at one edge to the section H, so it can be raised or lowered, as desired. The parts H and I have depending flanges H′ and I′, which fit, respectively, over and within the open end of the heater-body. The main section H is secured removably in place in the body A, so it can be readily removed and replaced, thus permitting the convenient renewal of the lining of the heater when desired without any injury to the body or top of the heater. This connection of the top section H is preferably effected by means of bolts J, passed through the body A and through the depending lugs H^2, fitted in the open end of the body A.

It will be noticed the bolt-holes in the lugs of the main section of the top and the body coincide, thus facilitating the detachable connection of the parts by the fitting together of the non-circular top and body, as shown in the drawings.

The legs K have staples K′, which project through slots K^2 in the body of the heater and receive the pins L, so the legs may be securely held and easily released when desired.

As before suggested, the flange I′ fits within the upper open end of the body A, and the rear edges of said flange I′, together with the side portions of said flange in advance of such edges, bind slightly by springy frictional contact within the upper open end of the body A and permit the hinge-section I of the cover to be raised partially and held in any desired adjustment when partially opened. This is important, as it permits the section I′ to be lifted slightly in order to admit draft between it and the upper end of the body A, and this draft can be regulated by raising or lowering the front end of the section I slightly, the flange I′ binding within the body A and holding the section I in any of the desired adjustments. It will be noticed that the section I opens directly above the sliding damper F, controlling the main draft-opening, and also that the nipple for the connection of the stovepipe is at the upper rear side of the body A and diametrically opposite the damper F. By making the cover-section I so it can be adjusted to regulate the admis-

sion of draft at the top of the body A this construction can be used in connection with the damper F to control the passage of the draft to the stovepipe either from above or below the fuel in such manner as to secure the best results.

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

1. A heater substantially as described comprising the body open at its upper end, and the top fitted to said body and composed of the section secured to the body and the section hinged to said first section and having a depending flange arranged to fit within the open end of the body and adapted to be set to bind therein whereby it may operate to secure the hinged section in different adjustments substantially as set forth.

2. In a heater substantially as described the body having a draft-opening in its front side and the stovepipe connection at or near its upper rear side and provided with the cover composed of the rear section secured to the body and a front section hinged to said rear section and provided with a depending flange fitting within the open end of the body said hinged section being arranged at its swinging edge to operate above the draft-opening substantially as set forth.

JOHN GRELIS McNAUGHTON.

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