9827X

E. DABOLL.

FOOT STOVE.

Patented July 1, 1836.

Fig. 1.

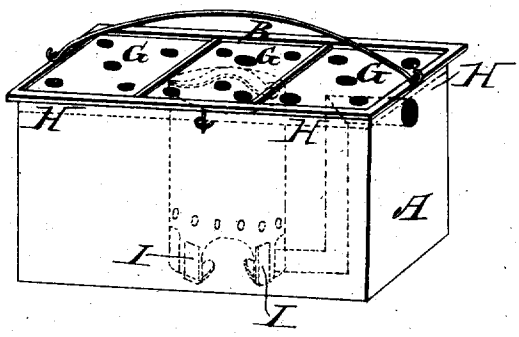


Fig. 2.

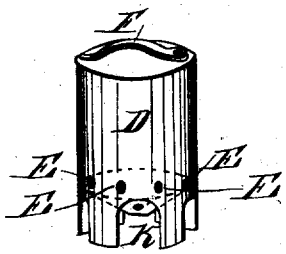


Fig. 3.

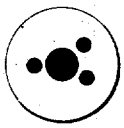


Fig. 4.



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July 1, 1836

Ezekiel Daboll of Canaan State of Connecticut.

Letters Patent.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Ezekiel Daboll himself of his "improvement in the Foot Stove."—

To all to whom these presents shall come.

Be it known that I Ezekiel Daboll, of the town of Canaan in the County of Litchfield, and State of Connecticut, have invented a new and useful foot-stove and that the following is a full and exact description thereof

1. A box made of tin or some other thin metal, made square or in any other form - and made of a size convenient to carry by the hand and convenient to rest the feet upon when sitting.

2. A wooden frame forming a rack or grate to rest the feet upon is fitted to the top plate of the box and the top plate is made to open and shut by being hung on one side with hooks or hinges, and fastened down on the other side by a hook or otherways

3. The top plate is perforated by several holes, and is fastened to the wooden frame by nailing - the top plate has all its edges turned down about one half inch so as to shut close against the sides, and within the body of the box.

4. Near the top of one or more of the sides - or on the top plate, a hole is made about one inch inch in size. Attach to this hole on the inner side of the box, is a tube or conductor, which passes down between the furnace mentioned below and the side of the box and conveys the cold air to the bottom of the furnace mentioned below.

5. within the box is placed a furnace about one third the size of the box The furnace is made of sheet iron or some other thin metal, within this furnace is placed charcoal, or any other fuel if preferred for burning. The furnace stands on legs, which are in length about one fifth the height of the furnace. The furnace with its legs is about one third of an inch short

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than the depth of the box, leaving just space for the spring hereafter mentioned

The bottom of the furnace is concave, and perforated by holes so as to form a grate — There are several holes on the sides of the furnace which are made a little above the bottom of the furnace, as to the size of these holes, I would inform any Mechanic — that for a furnace which is about four inches in diameter, one hole in the centre of the concave bottom about five eighths of an inch in diameter — and three others near the centre — each about one third of an inch in diameter is sufficient. —

And on the sides of the furnace a little above the bottom about eight holes, each hole about one fourth of an inch in diameter is sufficient These holes may increased or diminished according to the size of the stove or to increase or diminish the heat.

6. The furnace is entirely covered with a lid, and on this lid or underneath the loss plate of the box is fixed a spring made in an Elliptic or Spiral form or other ways and is of such size & strength, that when the lid of the box is shut down — it will hold the furnace securely in its place.

7. At the bottom of the box, is fixed three or more inserts or stays, which rise up so as to press against the sides of the furnace, and assist in keeping the furnace in its place.

8. The outside of the box is ornamented by being japanned or bronzed or with paints or gilding.

9. I distinctly state that those parts of this stove which I claim as my own invention and on which alone I claim Letter Patent are the following 1. the hanging of the lid or loss plate of the box with the turning down of the edges. 2. the tube or conductor conveying the air to the bottom of the furnace — 3. the furnace in all its parts as applied to the foot stove 4. the inserts or stays at the bottom with the lid or loss of the furnace together with the spring to keep the furnace in its place. 5. the application of ornament to the outside of the foot stove, and such a contrivance & disposition of the heat; that the ornament is not injured by the heat. These things I claim as my own invention & for these do I claim Letter Patent of the United States — Witness A. H. Woodbridge Ezek.l Dabol
Charles F. Van Antwerp