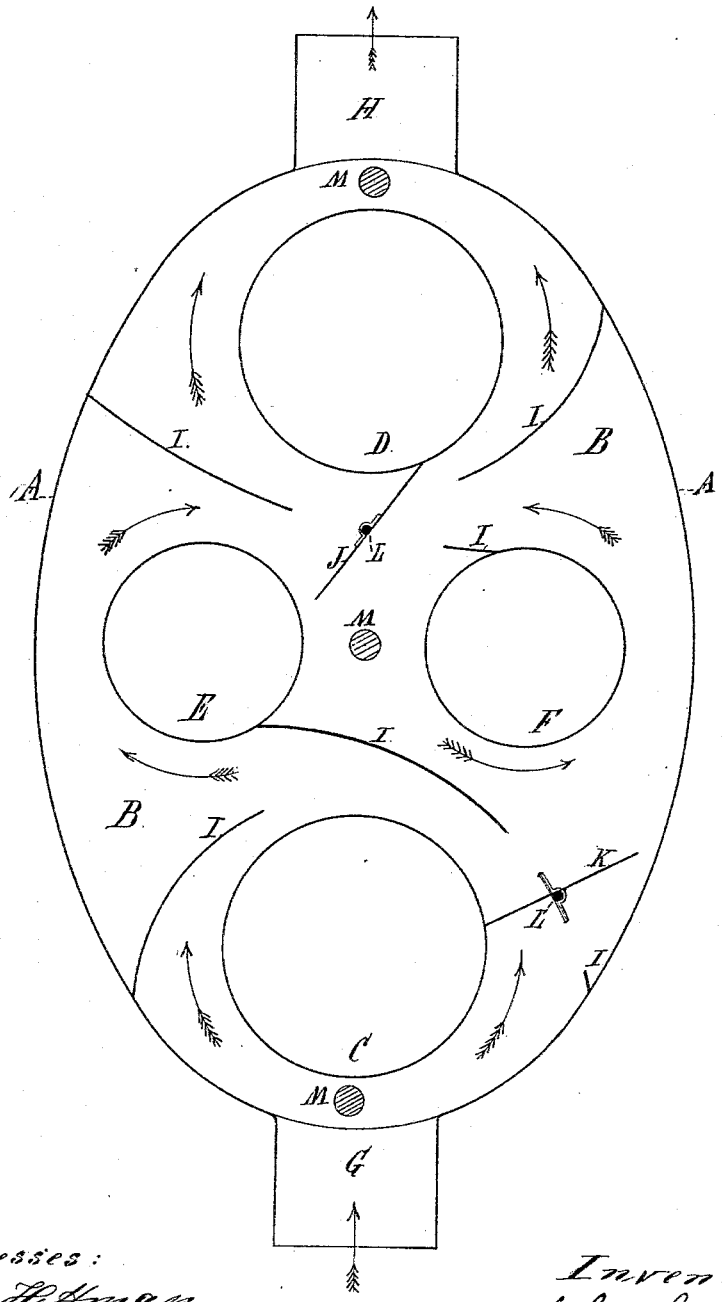
J. GILSON.

Stove-Drum.

No. 210,933. Patented Dec. 17, 1878.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN GILSON, OF PORT WASHINGTON, WISCONSIN.

IMPROVEMENT IN STOVE-DRUMS.

Specification forming part of Letters Patent No. **210,933**, dated December 17, 1878; application filed October 4, 1878.

To all whom it may concern:

Be it known that I, JOHN GILSON, of Port Washington, in the county of Ozaukee and State of Wisconsin, have invented certain new and useful Improvements in Stove-Drums; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters of reference marked thereon, which form a part of this specification.

The accompanying drawing represents a sectional side view of my invention.

The object of my invention is to furnish improvements in stove-drums, to be used either upon a stove or in connection with the stove-pipe, at a distance therefrom, for retarding the current of heated air in its passage from the stove to the chimney, and for procuring a more perfect radiation of heat, all of which is further explained by reference to the accompanying drawings, in which—

A represents the periphery of the drum, which is constructed of sheet-iron in an elliptical shape. B represents the heads of the drum, which are constructed of cast-iron, each having openings opposite each other for the reception of the cylinders C, D, E, and F, which cylinders respectively extend from one head to the other, thus connecting the heads together. The cylinders thus serve to retard the current of heated air, and their inner surfaces provide a large extent of radiating-surface.

G is the inlet-pipe, which either rests upon the stove or is connected therewith by the pipe. H is the outlet-pipe. I are sheet-metal partitions, which connect the cylinders respectively with the periphery of the drum, and serve to further retard the heated current. J and K are dampers, by which the draft is regulated. When they are open, in the position shown, there is nearly a direct draft from the lower to the upper side of the drum, but when closed the air follows the course indicated by the arrows, and is consequently much longer retained in the drum, and the amount of heat radiated is thereby greatly increased.

The rods L, to which the dampers are attached, extend through the heads of the drum, and are provided with handles, by which the dampers are opened and closed.

M are bolts of the ordinary construction. They extend from one head of the drum to the other, and connect the two together, and hold them firmly against the sides of the drum.

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

The combination of the drum A, the heads B, cylinders C, D, E, and F, partitions I, and dampers J and K, all substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN GILSON.

Witnesses:
JOHN GENGLER,
CHAS. G. MEYER.