

G. P. JACOBS.
STEAM-RADIATOR.

No. 172,026

Patented Jan. 11, 1876.

Fig. 1.

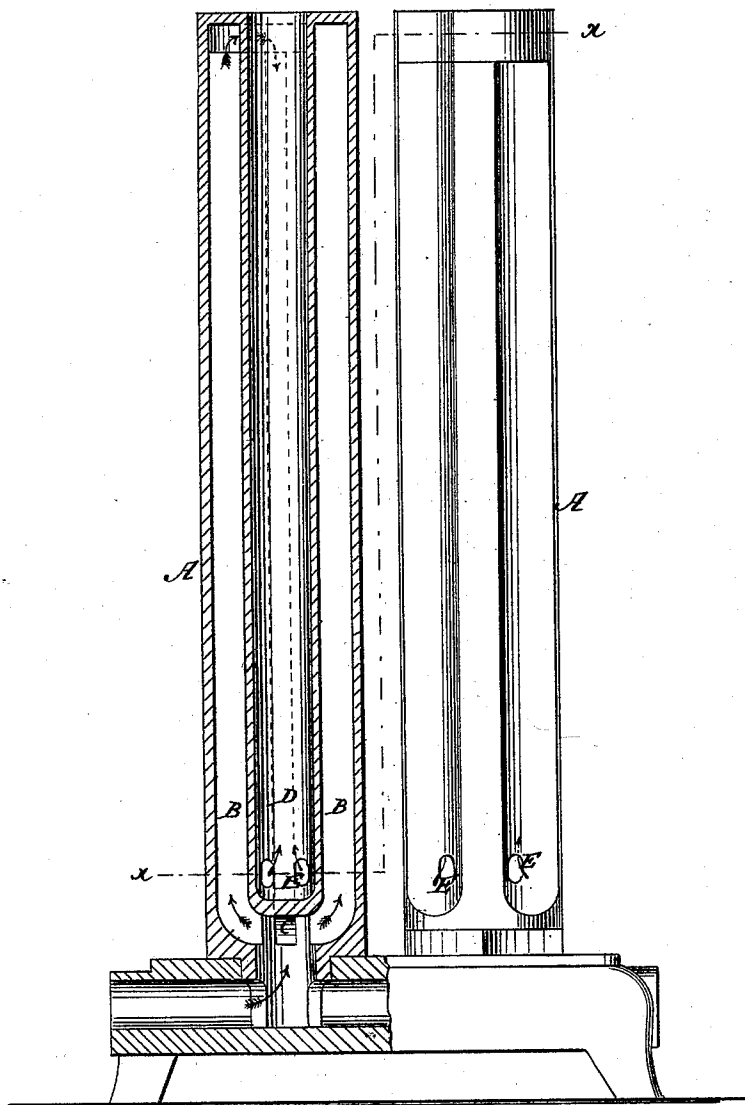
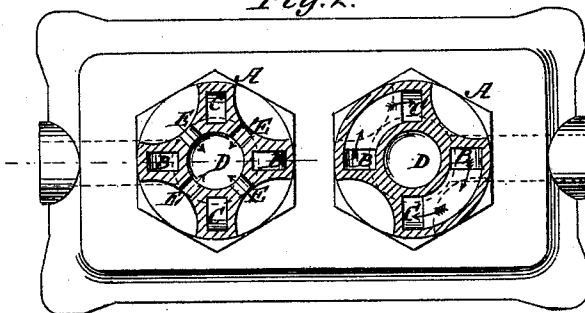


Fig. 2.



WITNESSES:

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GEORGE P. JACOBS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN STEAM-RADIATORS.

Specification forming part of Letters Patent No. **172,026**, dated January 11, 1876; application filed November 19, 1875.

To all whom it may concern:

Be it known that I, GEORGE P. JACOBS, of Brooklyn, Kings county, New York, have invented a new and Improved Steam-Radiator, of which the following is a specification:

My invention consists of a vertical radiator-pipe with corrugated exterior surface and two ascending and two descending steamways, the ways being in the radial projections formed by the corrugations, so that more radiating-surface is afforded, and the central space around which these steamways are arranged is made hollow, with air-inlets at the bottom, and exit at the top for the air, so that in addition to the increased outer radiating-surface there is a large inner radiating-surface, along which an active current of air is induced.

Figure 1 is partly a side elevation and partly a sectional elevation of a steam-radiator according to my invention, and Fig. 2 is a horizontal section taken on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A represents the corrugated pipe, having two ascending steamways, B, and two descending ways, C, each ascending way con-

necting at the top with one of the ways C, and all being arranged radiating to the center space D, and in the projections formed by the grooves of the corrugations, so that a larger area of radiating-surface is provided than the common arrangement affords. The central space is open at the top for the exit of air; and inlet-openings E are provided at the bottom, so that an active current of air will be induced through the center, thus very greatly increasing the heating surface as compared with pipes of the same size contrived in the ordinary way.

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

A one-piece radiator-tube, having four steam-ducts surrounding the central air-tube, said ducts being in pairs, the two of a pair being connected, but each pair being independent of the other, as shown and described.

GEO. P. JACOBS.

Witnesses:

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