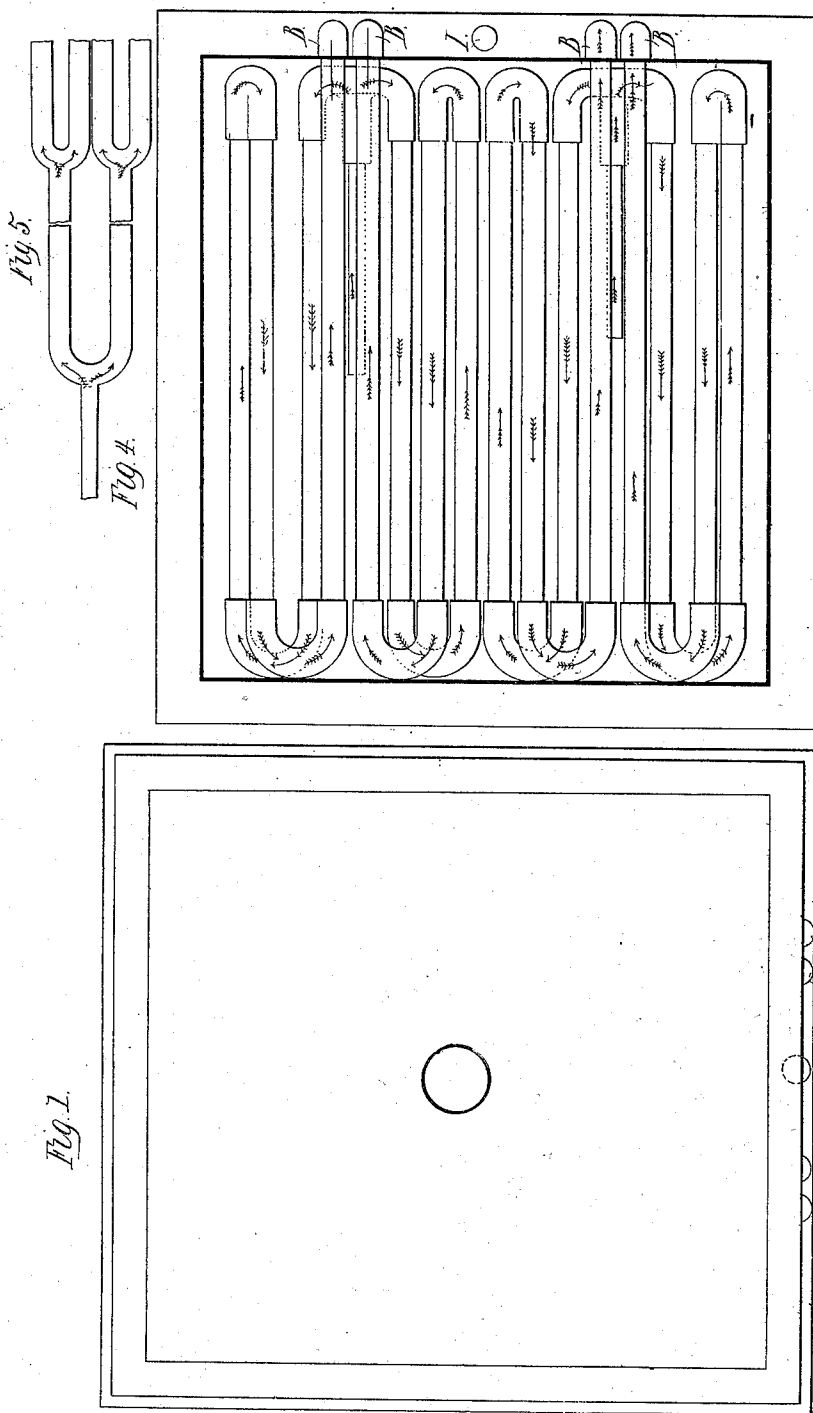


A. B. LATTA.
DIVIDED TUBULAR STEAM GENERATOR.

No. 11,025.

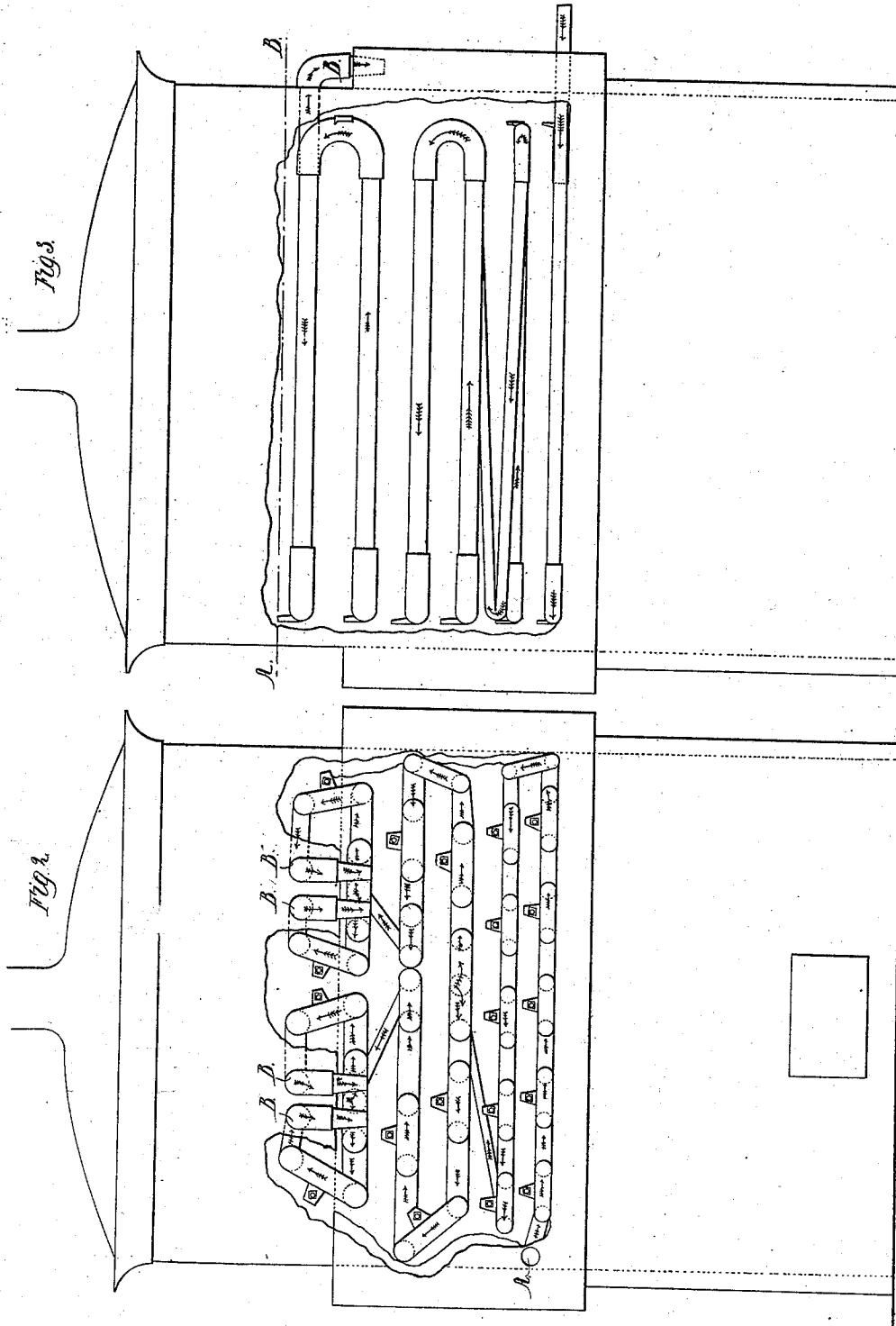
Patented June 6, 1854.



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DIVIDED TUBULAR STEAM GENERATOR.

No. 11,025

Patented June 6, 1854.



UNITED STATES PATENT OFFICE.

ALEXANDER B. LATTA, OF CINCINNATI, OHIO.

IMPROVEMENT IN STEAM-GENERATORS.

Specification forming part of Letters Patent No. 11,025, dated June 6, 1854.

To all whom it may concern:

Be it known that I, ALEXANDER B. LATTA, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement which I denominate a Divided Tubular Generator, which is described as follows, reference being had to the annexed drawings of the same and making part of this specification.

In Figure 1 is the plan showing the outside of the fire-box and cover with the opening to attach the smoke-pipe. Fig. 2 is the front elevation with the fire-box removed partly, so as to see the coil inside. The first pipe commences at A, where it comes through the fire-box, then continues back and forth for some distance, then divides into two pipes. After ascending some distance it subdivides into four pipes, or any other number that may be desired. At the top of the steam-chamber of the fire-box the pipes B B B B come out and are attached steam-tight to the steam-box, into which they discharge the steam. The little projection cast on the top of each one of the turns, with a hole through, is for the purpose of passing a bolt through to fasten the ends to the inside of the fire-box. Fig. 3 is a

side elevation showing the side of the coil, fire-box, &c. Fig. 4 is section on A B, Fig. 3, showing the pipes as they appear on top. Fig. 5 is drawn out to show what the pipe would look like if it were straightened out. This will give a correct idea of the manner in which it is constructed. The first section is in one pipe, and then divides into two, then subdivides into four. Thus, suppose each section to be ten feet long, it would have seventy feet of pipe in it. It will be seen that the steam has only thirty feet to travel—that is, in time—because in the last two sections it passes through both pipes at the same time. This illustration will serve to give the true nature of the improvement.

What I claim is—

The dividing of the coil or coils, commencing with one, then dividing into two, and then subdividing into four or any other number, as shown and described, or any equivalent device.

A. B. LATTA.

Attest:

W. CHEDSEY,
JOS. SERODINA.