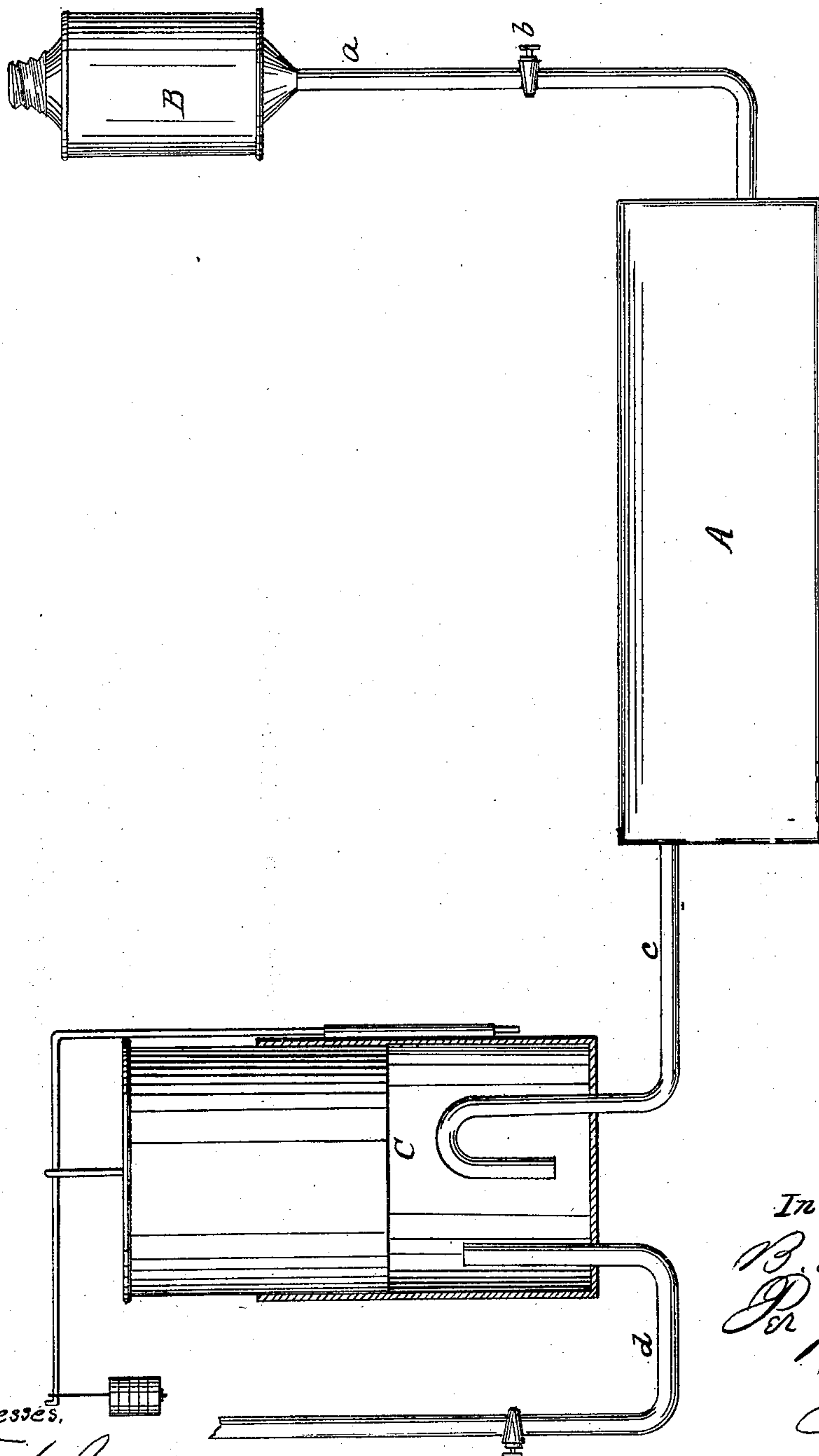


B. L. Fetherolf,

Attachment to Stoves for Generating Gas.

N^o 64,854.

Patented May 21, 1867.



Witnesses.

J. A. Jackson
Wm. Greun

Inventor

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B. L. FETHEROLF, OF TAMAQUA, PENNSYLVANIA, ASSIGNOR TO HIMSELF
AND J. M. HADESTY, OF THE SAME PLACE.

Letters Patent No. 64,854, dated May 21, 1867.

IMPROVED ATTACHMENT TO STOVES FOR GENERATING GAS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, B. L. FETHEROLF, of Tamaqua, in the county of Schuylkill, and State of Pennsylvania, have invented a new and useful improvement in Gas Apparatus; 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 make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The drawing represents the gas-generating apparatus as applied to stoves.

This apparatus is designed for generating illuminating gas from petroleum for family use by applying a gas generator to an ordinary cook or heating stove, like a water-back or fire-brick lining, and thus, by means of the fuel used for domestic purposes, supplying the house with light as well as heat, and making a saving. It is very simple and cheap in construction, requires but little attention to manage it, and is entirely free from danger.

A is a hollow iron block made to fit in one side of a cook or heating stove, like a fire-brick or water-back, and is the gas generator. B is a reservoir for holding crude petroleum or refined oil, and is connected with the gas generator A by a pipe, *a*, on which is placed a stop-cock, *b*, to regulate the flow of oil into the generator from the reservoir B. The pipe *c* leads from the generator A to a gasometer, C, constructed in the usual way upon a small scale, according to the needs of a family for gas. The pipe *d* is the main which leads from the gasometer C to the gas fixtures in the house. By introducing the petroleum or other oil into the reservoir B it passes gradually as desired through the pipe *a* into the generator A in the cook or heating stove, and being converted into gas by the fire used for domestic purposes is conveyed by the pipe *c* to the gasometer C, where, being passed through water and purified in the ordinary manner, it is ready for use as required.

Having described my invention—

I claim the hollow metallic block A fitted within the fire-chamber of a stove so as to constitute both a gas generator and a lining or fire-back, substantially as described.

B. L. FETHEROLF.

Witnesses:

H. B. GRAEFF,

DARIUS SCHREFFER.