

GEORGE STANCLIFF.

Improvement in Fastening Retort-Lids

No. 127,280.

Patented May 28, 1872.

Fig 1

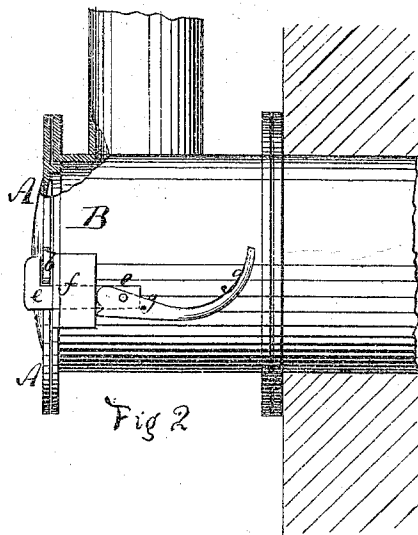
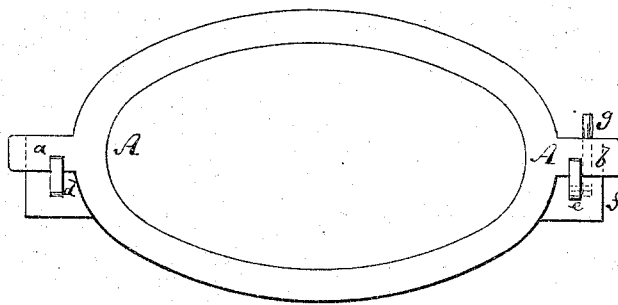


Fig 2

Witnesses:

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GEORGE STANCLIFF, OF NEW YORK, N. Y.

IMPROVEMENT IN FASTENINGS FOR RETORT-LIDS.

Specification forming part of Letters Patent No. 127,280, dated May 28, 1872.

Specification describing a new and Improved Retort-Lid Fastening, invented by GEORGE STANCLIFF, of New York city, in the county and State of New York.

Figure 1 represents a front view of my improved retort-lid fastening. Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to provide a means for securely fastening the lids of gas-retorts, and whereby the closing can be rapidly effected. The invention consists in the use of a hook-shaped sliding-link support, and in its combination with a cam-lever, whereby it is drawn tight.

At present the lids are usually closed by means of screws. Considerable time is required in opening and closing them, and more or less gas is consequently lost. By the use of my improved fastening time and labor will be saved and the loss of gas prevented.

A in the drawing represents the retort-lid, of

suitable form, provided with two ears, *a* and *b*, that project from its ends. For the support of one of the ears, *a*, a fixed hook, *d*, is secured to the mouth of the retort B, while a sliding hook, *e*, for the support of the ear *b*, is fitted through the flange *f* of the retort, and provided with a cam-lever, *g*, at its inner end. When the lever is swung to bear with its eccentric part against the flange *f* or an enlargement thereof, the hook *e* will be drawn back to firmly hold the lid against the retort. When the lever *g* is swung up the lid will be instantaneously loosened, and can be removed.

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

The sliding hook *e*, provided with the cam-lever *g*, to serve as a support and fastening for a retort-lid, as set forth.

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Witnesses:

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