

C. SEEGER.

Improvement in Gas Apparatus.

No. 124,766.

Patented March 19, 1872.

Fig. 1

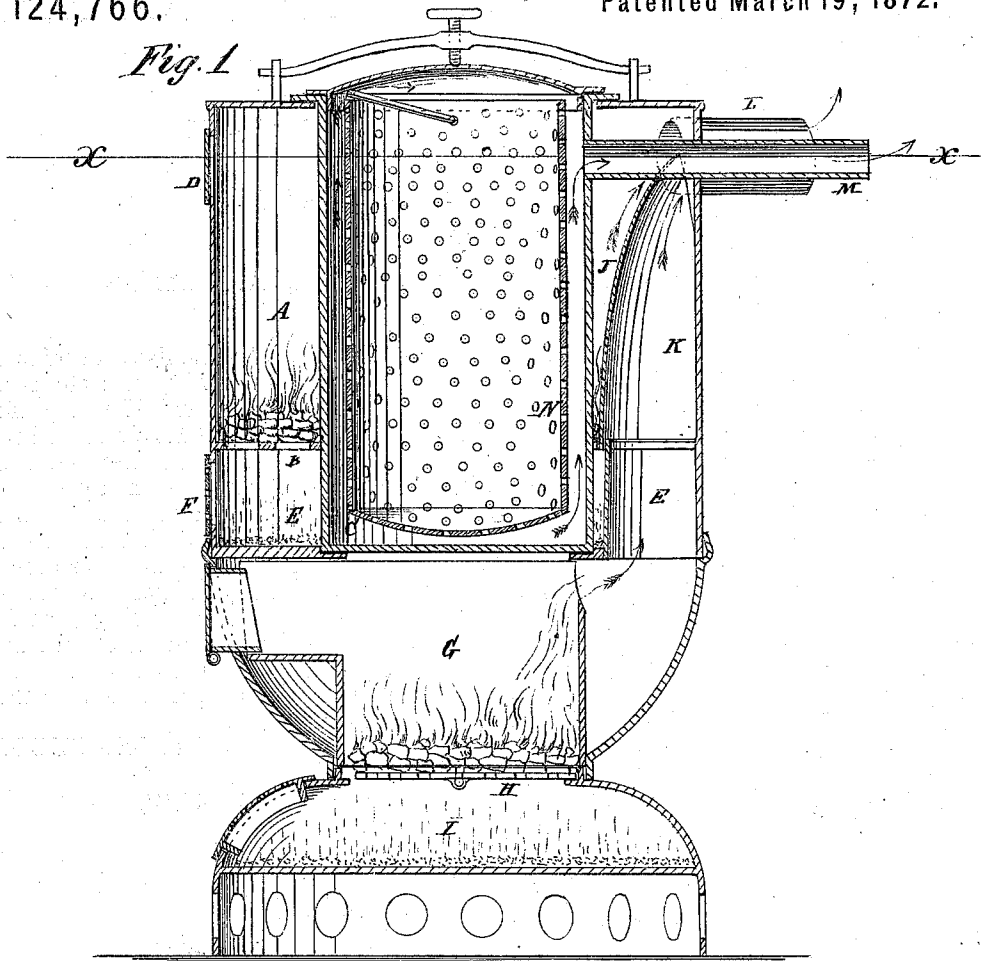
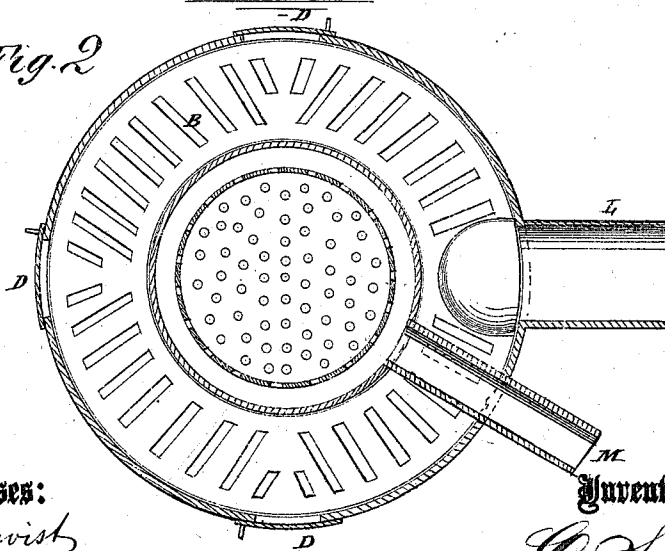


Fig. 2



Witnesses:

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Francis McOran.

Inventor:

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UNITED STATES PATENT OFFICE.

CHARLES SEEGER, OF QUINCY, ILLINOIS.

IMPROVEMENT IN GAS APPARATUS.

Specification forming part of Letters Patent No. 124,766, dated March 19, 1872.

Specification describing certain Improvements in Gas-Generating Retort-Furnaces, invented by CHARLES SEEGER, of Quincy, in the county of Adams and State of Illinois.

The invention consists in combining, constructing, and arranging the essential parts of a retort-furnace, as hereinafter fully described and claimed.

Figure 1 of the drawing is a vertical and central section of my improved retort-furnace. Fig. 2 is a horizontal section on the line *x x* of Fig. 1.

A is the upper fire-chamber; B, its ring-grate; C, the retort passing through the grate; and D, the doors of the furnace. E is the ash-pit, and F are its doors provided with air-inlets. G is a second fire-chamber, having a grate, H, and an ash-pit, I, provided with a drawer. J K are respectively the independent

flues of the two fire-chambers terminating in the common flue L. M is the steam or gas outlet from the retort, and N is a perforated chamber to contain the article to be heated.

The advantage of combining the two fires with retort-chamber is economy of time in heating and a comparative saving in the fuel.

Having thus described all that is necessary to a full understanding of my invention, what I desire to protect by Letters Patent is—

The close chamber C having pipe M, the fire-chamber A having outlet J, and the fire-chamber G having outlet K, all combined, constructed, and arranged as and for the purpose specified.

CHARLES SEEGER.

Witnesses:

ANTON THIENEMANN,
ENOCH LONG.