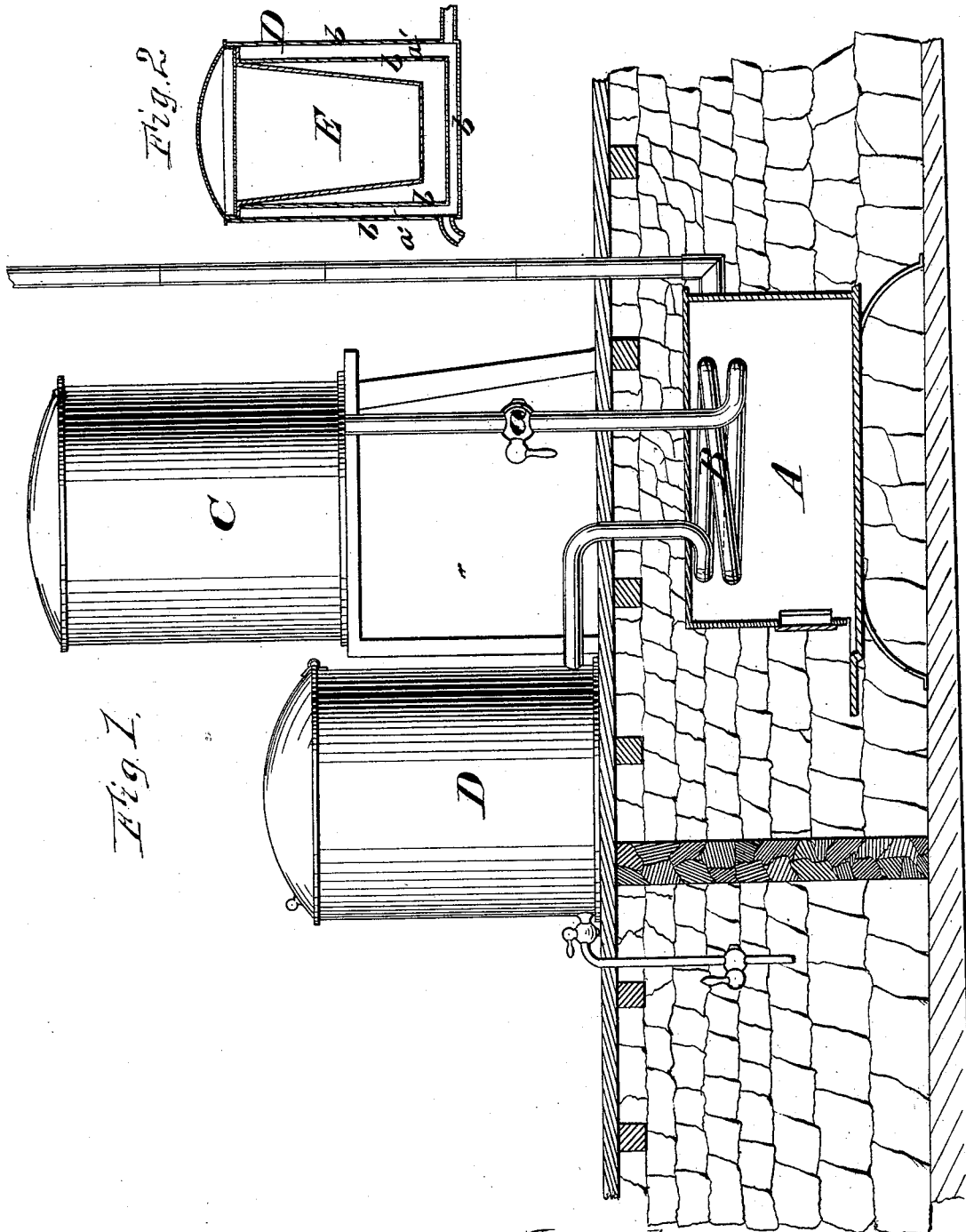


J. C. RORICK.

Apparatus for Tempering Butter.

No. 166,813.

Patented Aug. 17, 1875.



Witnesses:
E. A. Bates
Geo. E. Upham.

Inventor,
John C. Rorick
Chipman & Co
Attys

UNITED STATES PATENT OFFICE.

JOHN C. RORICK, OF WAUSEON, OHIO.

IMPROVEMENT IN APPARATUS FOR TEMPERING BUTTER.

Specification forming part of Letters Patent No. **166,813**, dated August 17, 1875; application filed February 13, 1875.

To all whom it may concern:

Be it known that I, JOHN C. RORICK, of Wauseon, in the county of Fulton and State of Ohio, have invented a new and valuable Improvement in Apparatus for Tempering Butter; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side elevation of my device, and Fig. 2 is a sectional detail view of the same.

This invention has relation to means for warming water to be used for tempering butter in cold weather previous to working the same; and the nature of my invention consists in the apparatus for tempering butter, as will be hereinafter more fully set forth.

In the annexed drawings, A designates a wood-burning stove, which is located in the cellar of a building, and in which is a pipe-coil, B. One branch of the coil B leads up to a cold-water reservoir, C, which is conveniently arranged, and a cock, *a*, is applied to this branch for regulating the supply of water to the coil. The other branch of the coil B leads up to a reservoir, D, which is in a plane below the cold-water reservoir C, and which is constructed with double walls *b b*, leaving an air-space, *a'*, between them, as shown in

Fig. 2. The air-space will prevent a rapid radiation of heat from the reservoir D.

Fig. 2 shows a vessel, E, suspended inside of the warm-water reservoir D, which vessel is used in cold weather for preparing a compound which I use for coloring butter. The reservoir D is provided with a draw-off pipe and cock.

It will be seen from the above description that, by opening the cock *a*, more or less water, in regulated quantities, can be admitted into the reservoir D after passing through the coil B and becoming heated.

By these means I am able to heat water rapidly with comparatively little fuel, and to regulate the temperature of the water as circumstances require.

What I claim as new, and desire to secure by Letters Patent, is—

In an apparatus for tempering butter, a furnace, A, and a cold-water reservoir, C, in combination with a warm-water reservoir, D, having double surrounding walls, and an annular space, with a suspended vessel, E, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN C. RORICK.

Witnesses:

W. H. KELLEY,
F. H. RORICK.