

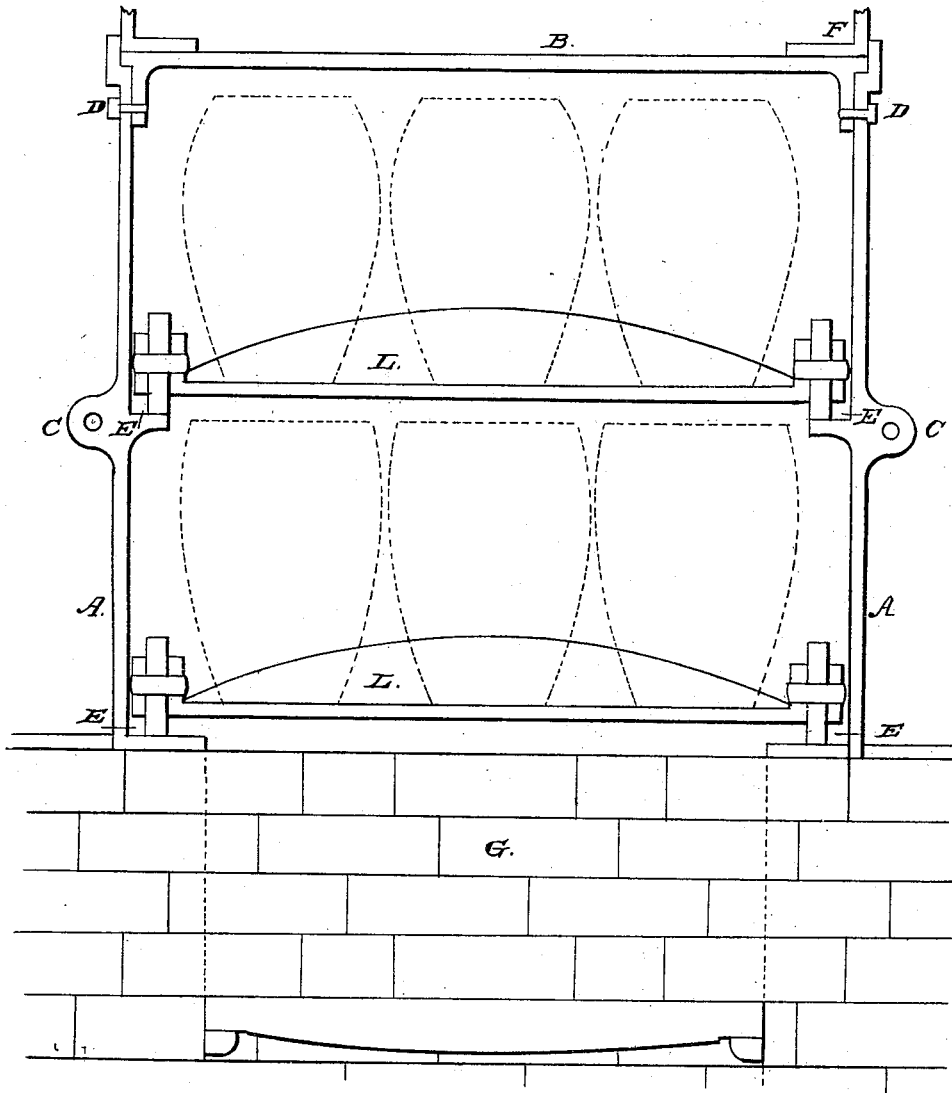
G. NIMMO.

Drying and Preparing Crucibles.

No. 48,713.

Patented July 11, 1865.

Fig. 1



Witnesses
Robert Jack
John Edwards

Inventor
George Nimmo

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2 Sheets—Sheet 2.

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Fig. 2.

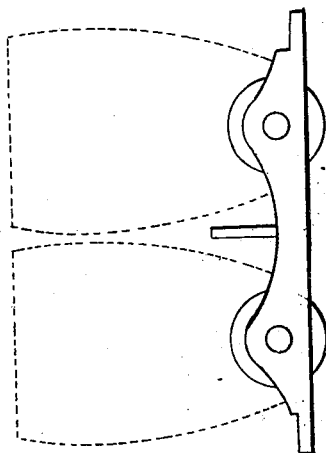
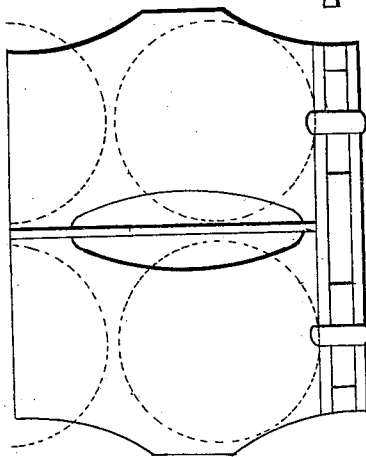


Fig. 3.



Witnesses
Robert J. Cook
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Inventor
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UNITED STATES PATENT OFFICE.

GEORGE NIMMO, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN DRYING AND PREPARING CRUCIBLES.

Specification forming part of Letters Patent No. 48,713, dated July 11, 1865.

To all whom it may concern:

Be it known that I, GEORGE NIMMO, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Mode of Drying and Preparing Crucibles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in placing the crucibles on carriages at the cool end of a flue and gradually forwarding them toward the fire, where they are prepared and ejected, the usual method being to inclose them in a fire-clay vessel after having been dried, then prepared in the usual way potters do their wares—viz., in a kiln.

Figure 1 is an end elevation through the fire-place; Fig. 2, an end elevation of the carriage; Fig. 3, a plan of one-half the same.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct a flue of any suitable material, but use at present cast-iron plates fastened together at C, the sides A being secured to the top B at D. The projections E are supports for the carriages L, both ends of the flue being shut when required by doors or plates I, communicating to the chimney at the end or side farthest from the fire. The flue may be made

any desirable length and another placed on top, as shown at F, Fig. 1.

G is the furnace, between the dotted lines under the floor-level, built of bricks in the usual way and fed at the side through the opening, H being the doors. The projections E are understood to be extended outside the flue, so as to run the carriages out or in, as required.

I fill a carriage, L, with crucibles K, (shown by dotted lines,) and place it in the flue, farthest end from the fire, then others in succession, which gradually brings the first over the fire, where they are properly reddened, then pushed out for the next to take its place, and so on indefinitely.

The superiority of my invention consists in the small cost for erecting, a saving in the amount of fuel consumed, and the certainty of each crucible being properly prepared for use.

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

1. Drying and preparing crucibles by gradually moving them from the cool part of a flue toward the fire, either inside or outside said flue, on a carriage, or shifted by hand.

2. The construction of a flue, in combination with carriages, as described, and for the purpose specified.

GEORGE NIMMO.

Witnesses:

ROBERT JACK,
GEO. A. EDWARDS.