L. R. SASSINOT.
Portable Furnace.

No. 210,272. Patented Nov. 26, 1878.

Fig. 1.

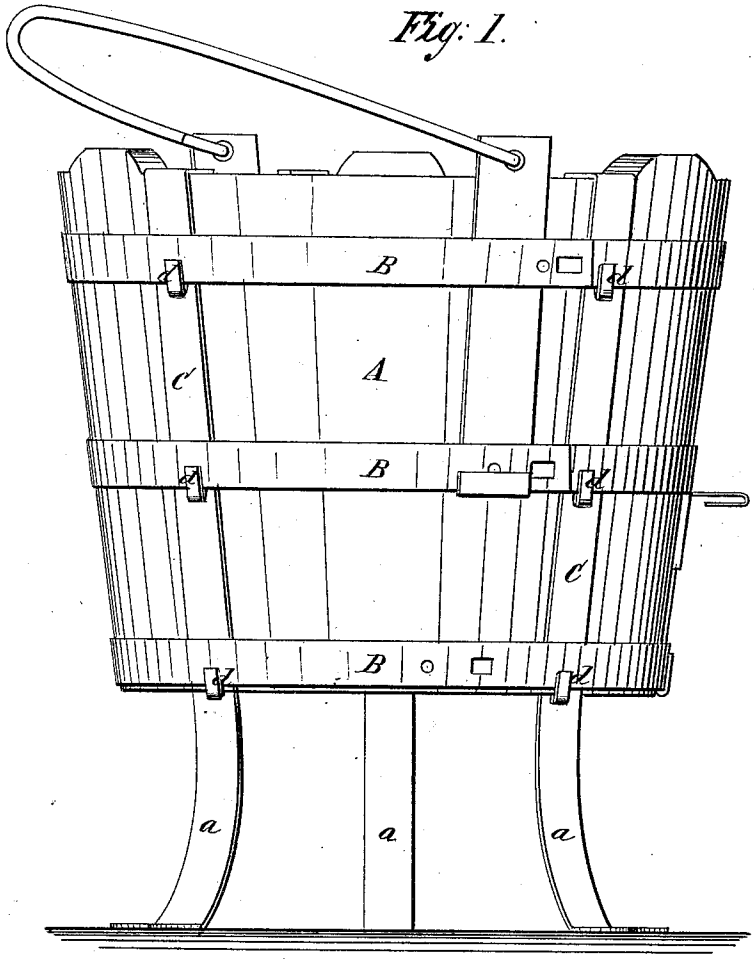
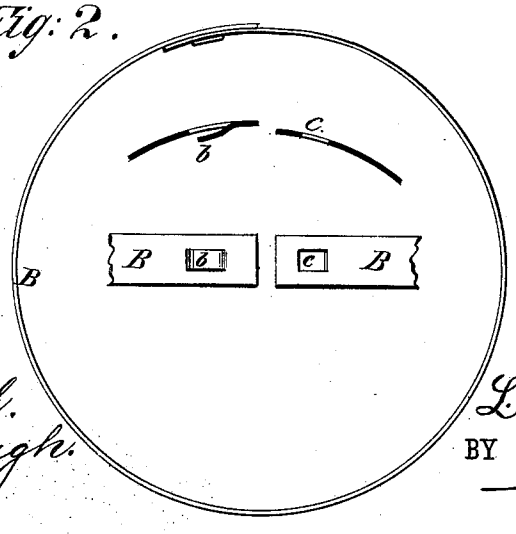


Fig. 2.



WITNESSES:
A. Schehl.
J. N. Scarborough.

INVENTOR:
L. R. Sassinot.
BY Munn & Co
ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

LOUIS R. SASSINOT, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN PORTABLE FURNACES.

Specification forming part of Letters Patent No. **210,272**, dated November 26, 1878; application filed October 7, 1878.

To all whom it may concern:

Be it known that I, LOUIS R. SASSINOT, of New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and useful Improvement in Portable Furnaces, of which the following is a specification:

My invention relates to improvements in the construction of the basket-frame of portable furnaces.

The invention will first be described in connection with the drawings, and then pointed out in the claim.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of a furnace provided with my improvements, and Fig. 2 shows details of the method of fastening the hoops.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents an ordinary portable clay furnace, such as is commonly used for domestic purposes in warm climates, and are adapted to burn charcoal.

In the old way of making these furnaces they are inclosed in a basket-frame of iron, made of horizontal hoops riveted to vertical strips, and, when in use, either set on the ground or on a temporary support.

Now, my invention is designed more especially to provide a basket-frame that will at the same time serve as a permanent support.

To this end I furnish the furnace with encircling-hoops B, three or more in number, according to the size of the furnace, and join these to the ordinary vertical strips C, which generally reach from the top to the bottom of the furnace, but which in this improvement I cause to extend beyond the bottom thereof, to form legs *a a a*, upon which the furnace rests when set up for use, as shown in Fig. 1.

By this construction it will be readily understood that the basket-frame (which is a necessary and inseparable part of the furnace, these furnaces, being made of clay, soon becoming cracked, falling to pieces when moved, if they were not held together in a frame-work) is made to do double duty in strengthening the furnace and holding it together in case of fracture and as a permanent support, thus doing away with the necessity of building a new support every time the furnace is changed from place to place, and also avoiding the expense of a separate frame for supporting it, in addition to the usual basket-strengthening frame.

One end of the hoop is furnished with a tongue, *b*, cut out on three sides and then stamped up, and the opposite end with a slot, *c*. The hoop is applied by banding it around the furnace and joining the ends by slipping the tongue through the slot and catching it there, as clearly shown in the drawings.

To secure the vertical strips and hoops together, a similar tongue, *d d*, &c., is made in each of the strips at the point where the hoop is to rest, and as many in each strip as there are hoops to be applied. These tongues are bent out, forming lugs, and when the furnace is enframed the hoops rest in and on these lugs, and as the hoops clasp the sides of the furnace closely, it will be seen that the weight of the furnace is supported on these lugs. In this way the hoops and supporting-strips are held securely together, and the construction of the frame is simpler and more economical than where the joints are made with rivets.

Portable clay furnaces are also made with a jacket or casing of sheet-iron without encircling-hoops, and it is my purpose to apply my improvement to furnaces so provided. In this case the vertical strips with the extended legs will be fastened to the casing.

I am aware that a patent was granted to J. W. Muller, August 14, 1877, No. 194,101, for a separate frame to support the furnace; but I do not claim a separate frame, as my invention relates wholly to an improvement in the frame or basket already a part of the furnace and permanently attached thereto, and consists wholly in adapting this well-known part to the support of the furnace when it is in use.

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

As an improvement in portable furnaces, a supporting-frame composed of the metal hoops B and vertical strips C, the latter being extended below the furnace to form legs *a*, and provided with struck-up tongues *d*, upon which, outside the strips, the hoops rest, and thus support the furnace, while the frame is fastened to the furnace by the bent-over ends of the strips at the top, as shown and specified.

LOUIS ROMAIN SASSINOT.

Witnesses:
TH. BUISSON,
E. BUISSON.