

J. E. PARKER.

HEATER FOR MELTING WAX FROM ELECTROTYPE CASES.

No. 176,886.

Patented May 2, 1876.

Fig. 1

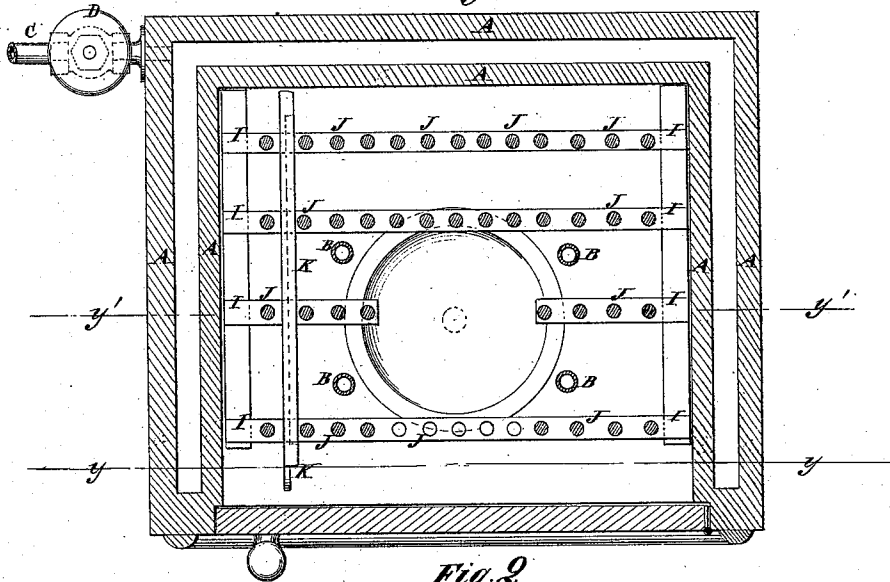
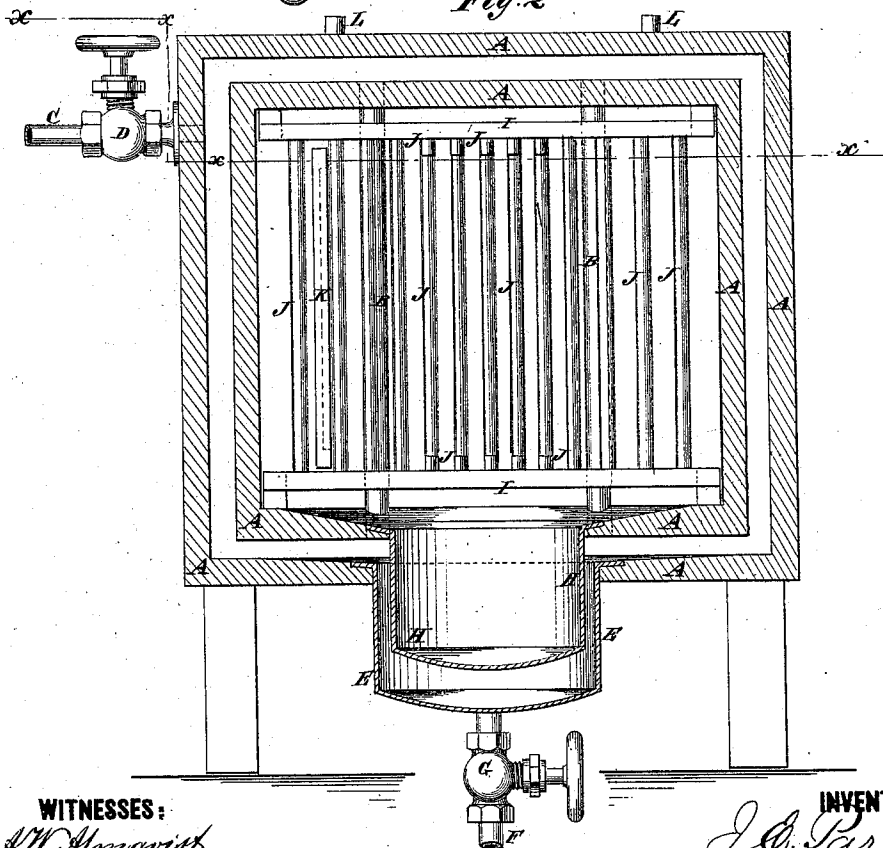


Fig. 2



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN E. PARKER, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN HEATERS FOR MELTING WAX FROM ELECTROTYPE CASES.

Specification forming part of Letters Patent No. 176,886, dated May 2, 1876; application filed February 28, 1876.

### *To all whom it may concern:*

Be it known that I, JOHN E. PARKER, of Bunker Hill District, Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Apparatus for Removing Wax from Electrotype Cases, of which the following is a specification:

Figure 1 is a horizontal section of my improved apparatus taken through the line *x x*, Fig. 2. Fig. 2 is a vertical section of the same taken through the case upon the line *y y*, and through the pan upon the line *y' y'*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with drawing, and then pointed out in claims.

A is the case or box, which is made with steam-tight double walls upon its bottom, top, sides, and back, to form a steam-space. The steam-spaces at the top and bottom of the case A are connected by four, less or more, pipes, B, to increase the heat in the interior of the case.

The steam is introduced into the space between the walls *a a'* of the case A through the pipe C, and its entrance is controlled by a valve, D, inserted in said pipe. The forward side of the case A is open, and is closed with a tightly-fitting door.

In the center of the outer bottom of the case A is formed a hole, in which is secured a pan, E, to receive the water of condensation, which water is drawn off through the pipe F, provided with a valve, G.

The upper surface of the inner bottom of the case A is concaved, and in its center is formed a hole, in which is secured a pan, H, made concentric with the pan E, and projecting into said pan.

To bars I, attached to the top and bottom of the inner case, are attached rows of vertical guide-bars J, between which the cases K are inserted edgewise, as shown in Figs. 1 and 2. The bars J, in front of and above the pans E H, are cut off, as shown in Figs. 1 and 2, to enable the wax to be conveniently removed with a dipper from the pan H, to be again used.

To the top of the case A are attached four pins, L, for the cases to be placed upon, to warm the wax to enable it to receive the impression.

With this apparatus, when the shells have been removed from the cases, the cases are inserted between the guide-bars J, and the wax, as it melts off, runs down into the pan H, where it is kept melted ready to be again used, and the cases are kept warm and ready for use when required.

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

1. The combination of a double-walled box, A, having upper and lower steam-spaces connected by pipes B, the corresponding pans E H, the bars J, and the cases K, all constructed and arranged substantially as shown and described, to form an apparatus for removing wax from electrotype cases.

2. The combination, with box or chambers A A inclosing an intermediate steam-space, of the pins L attached to the top or cover of the same, substantially as and for the purpose specified.

JOHN ELLIS PARKER.

Witnesses:

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JAMES W. HOLLAND.