A. A. GOUBERT.

Centrifugal Liquoring Apparatus.

No. 221,806. Patented Nov. 18, 1879.

Fig. 1.

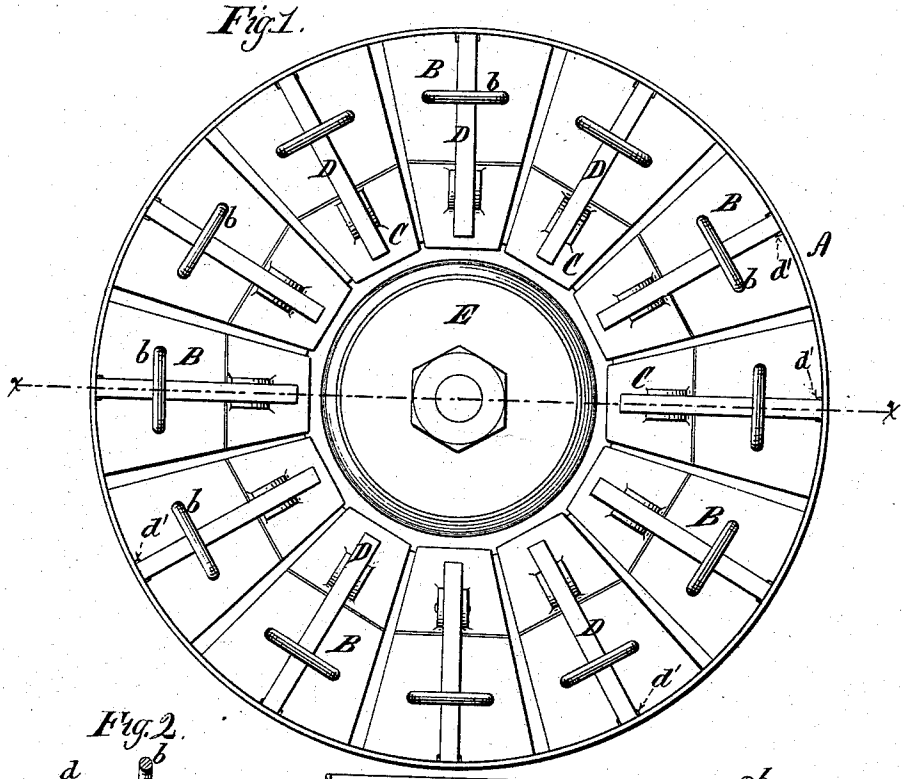
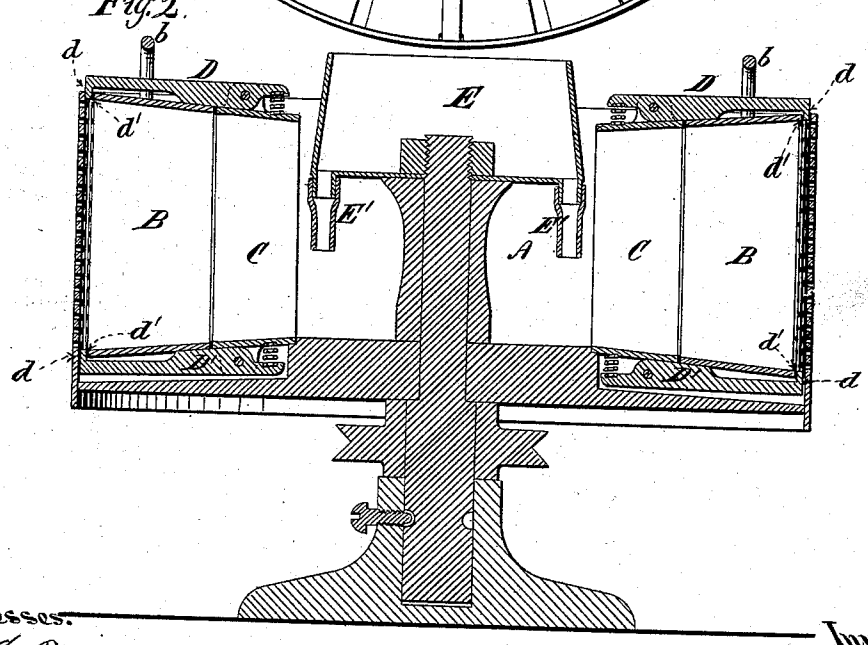


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

AUGUSTE A. GOUBERT, OF NEW YORK, N. Y., ASSIGNOR TO THE F. O. MATTHIESSEN & WIECHERS SUGAR REFINING COMPANY, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN CENTRIFUGAL LIQUORING APPARATUS.

Specification forming part of Letters Patent No. **221,806**, dated November 18, 1879; application filed July 28, 1879.

To all whom it may concern:

Be it known that I, AUGUSTE A. GOUBERT, of the city and State of New York, have invented certain Improvements in Centrifugal Liquoring Apparatus, of which the following is a specification.

My invention relates to that class of centrifugal liquoring apparatus in which an inner circle of liquoring-boxes is combined with a series of sugar-molds, concentrically arranged in the basket of a centrifugal machine for the purpose of conducting into and through the sugar contained in the molds liquor introduced primarily into a central reservoir, and conducted therefrom by means of spouts into the boxes, and thence into the sugar contained in the molds; and my invention consists in providing each mold and box with clamping devices, whereby the mold and box may be clamped together prior to their deposit in the basket of the centrifugal machine.

The accompanying drawings, illustrating my invention, are as follows:

Figure 1 is a top view of a centrifugal machine provided with molds and boxes containing my invention. Fig. 2 is a central vertical section of the same through the line *x x* on Fig. 1.

The drawings represent the usual basket A of a centrifugal machine, containing the usual outer circle of sector-shaped molds, B, and inner circle of boxes, C. Each mold B is provided with a handle, *b*, by means of which it may be lifted from the basket, and each of the boxes C is provided upon its outer open face with a gasket of elastic material, to enable it to make a tight joint with the inner open face of the sugar-mold.

Each box is provided at the top with a clamp or clamps, D, and at the bottom with a similar clamp or clamps, D′, by means of which the box may be clamped to the mold, as shown, so that mold and box can be lifted together.

It will be seen that the hooks *d*, on the outer ends of the clamps D, are, respectively, inserted in the notches *d′* formed in the front edges, respectively, of the top and bottom of the mold.

The usual central reservoir, E, is provided to receive the treating-liquor, which is conducted therefrom into the boxes, respectively, by means of the spouts E′. These spouts are either made of flexible material or jointed, so that they may hang down when the machine is stationary, as described in my application for a patent filed August 16, 1878.

In operation, the molds, having been filled with magma in the usual way, are then clamped to their respective boxes, as described, and placed in position in the basket of the centrifugal machine.

I claim as my invention—

In apparatus for liquoring sugar in the centrifugal machine, the combination of a sugar-mold with a liquoring-box provided with a clamp or clamps, whereby the box may be clamped upon the mold preparatory to the introduction of the mold and box into the basket of the centrifugal machine, substantially as and for the purpose set forth.

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Witnesses:
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