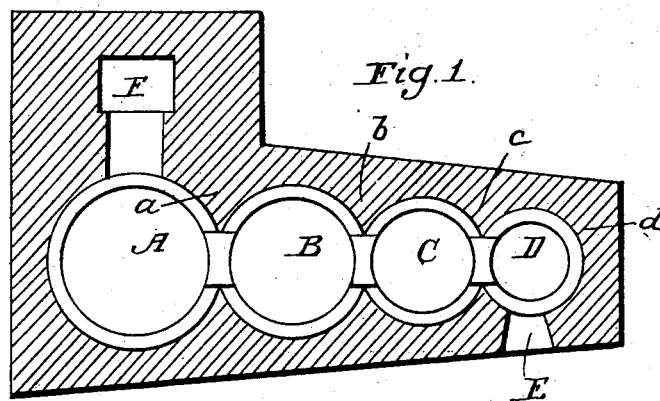
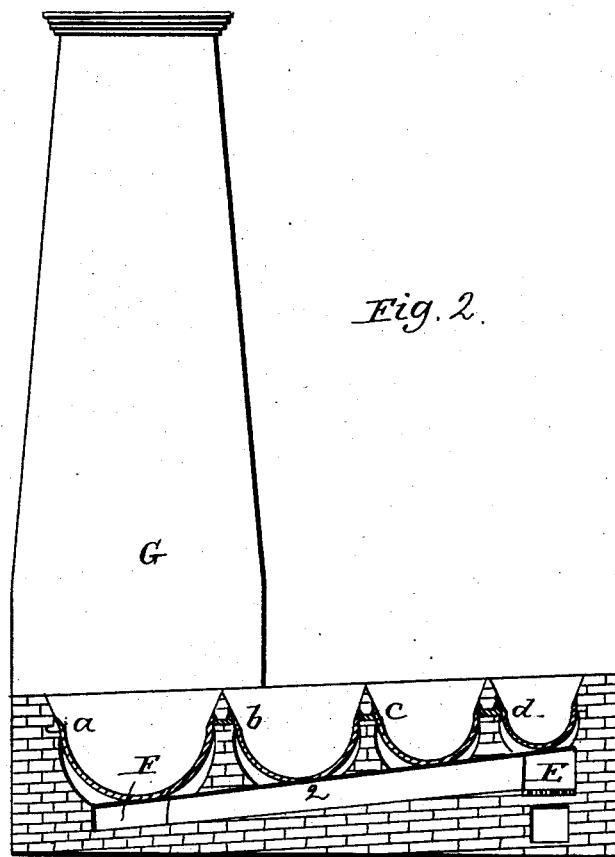


J. MALORY.  
Sugar Kettle.

No. 936.

Patented Sept. 20, 1838.



# UNITED STATES PATENT OFFICE.

JAMES MALORY, OF NEW ORLEANS, LOUISIANA.

## IMPROVED MODE OF SETTING SUGAR-KETTLES.

Specification forming part of Letters Patent No. 936, dated September 20, 1833.

*To all whom it may concern:*

Be it known that I, JAMES MALORY, of the city of New Orleans, in the State of Louisiana, have invented a new and Improved Mode of Setting Kettles for the Manufacture of Sugar; by which improvement the kettles are set in a more permanent manner than by any of the methods heretofore employed; and I do hereby declare that the following is a full and exact description thereof.

As boilers are usually set in brick-work alone, the bricks at their rims are placed on end, standing at an angle of forty-five degrees, making a fragile structure which soon breaks down. In my improved mode of setting the rims of the kettles rest upon hoops or circles of cast-iron, which I make about six inches wide and two inches thick.

In the accompanying drawings, Figure 1 is a top view of four boilers, A, B, C, and D, as ordinarily arranged. *a, b, c, and d* are four cast-

iron rims resting on the brick-work, and adapted in size to the respective boilers, which pass within and have their rims resting upon them.

Fig. 2 is a vertical section through the centers of the boilers, the furnace, and the flue, E being the furnace, and F the termination of the flue leading to the chimney G. The sections of the iron rims are shown at *a, b, c, and d*, and these are so formed on their upper sides as to receive and embrace the brick-work, which constitutes the ordinary divisions between the kettles.

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

The employment of rings of cast-iron in the setting of sugar-kettles, in the manner and for the purpose above set forth.

JAMES MALORY.

Witnesses:

LINTON THORN,

C. H. MILEBERGER.