

(No Model.)

C. S. MADDOCK.
RACK FOR DECORATING KILNS.

No. 530,233.

Patented Dec. 4, 1894.

Fig. 1.

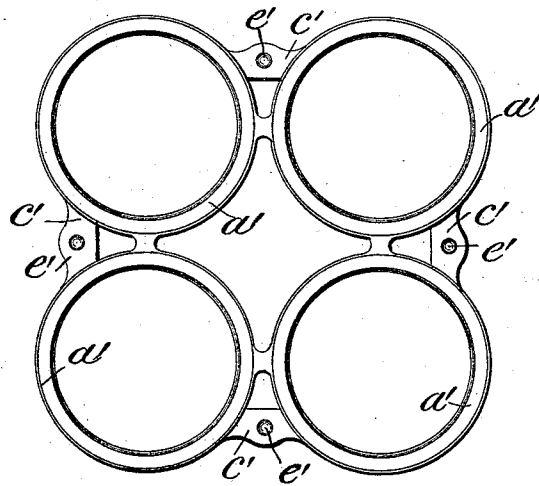
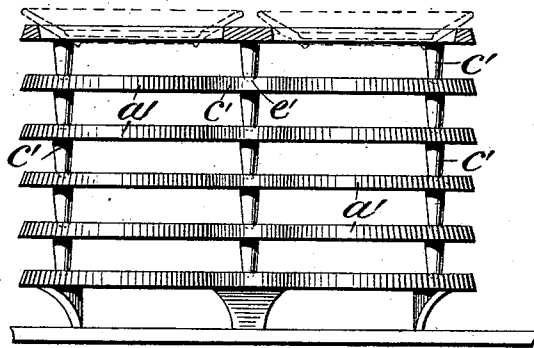


Fig. 2.



Attest:

H. H. Schott
Lucy B. Hills

Inventor
Charles S. Maddock,
by Lemuel Hollister,
Attys.

UNITED STATES PATENT OFFICE.

CHARLES S. MADDOCK, OF TRENTON, NEW JERSEY.

RACK FOR DECORATING-KILNS.

SPECIFICATION forming part of Letters Patent No. 530,233, dated December 4, 1894.

Application filed July 6, 1892. Serial No. 439,171. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. MADDOCK, a citizen of the United States, residing at Trenton, in the county of Mercer and State of New Jersey, have invented certain new and useful Improvements in Racks for Decorating-Kilns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in racks or supports for articles to be kilned, and more particular to such devices as are employed in decorating-kilns for sustaining and building up the wares operated upon, the object being to secure them, and, while relieving them of each other's weight, at the same time affording ready access of heat to all sides of the goods, and preventing the marring of the faces of the plates always caused by the stilts or spurs commonly used to support the plates when fired.

In the accompanying drawings Figure 1 represents a plan view of a rack embodying my improvements. Fig. 2 represents, partly in section and partly in elevation a superposed series thereof.

Similar letters of reference indicate similar parts in both views.

Referring to the drawings, it will be noted that each of the racks consists of a number of skeleton frames or rings *a'* arranged adjacent

to one another, and connected by cross-pieces *c'*, to which cross-pieces the supporting feet *c''* are secured, said feet fitting into depressions *e'* provided for them in the upper surface of the cross-pieces of the rack below.

In practice the racks are stacked up as shown in the drawings; whereby each plate is independently supported and relieved of the weight of those above it. The interlocking or engagement of the supporting feet with the depressions effectually prevents side movement of any of the racks with respect to the others and the frames being thus regularly and symmetrically superposed one upon the other form a structure of great stability and security.

Having thus described my invention, what I claim is—

A rack or support for holding articles to be kilned, consisting of a plurality of skeleton frames of refractory material arranged adjacent to each other and each adapted to support an article to be kilned and connected by means of cross pieces to which are attached the supporting feet for the rack; substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES S. MADDOCK.

Witnesses:

F. C. LOWTHORP,
SAML. D. OLEPHANT, Jr.