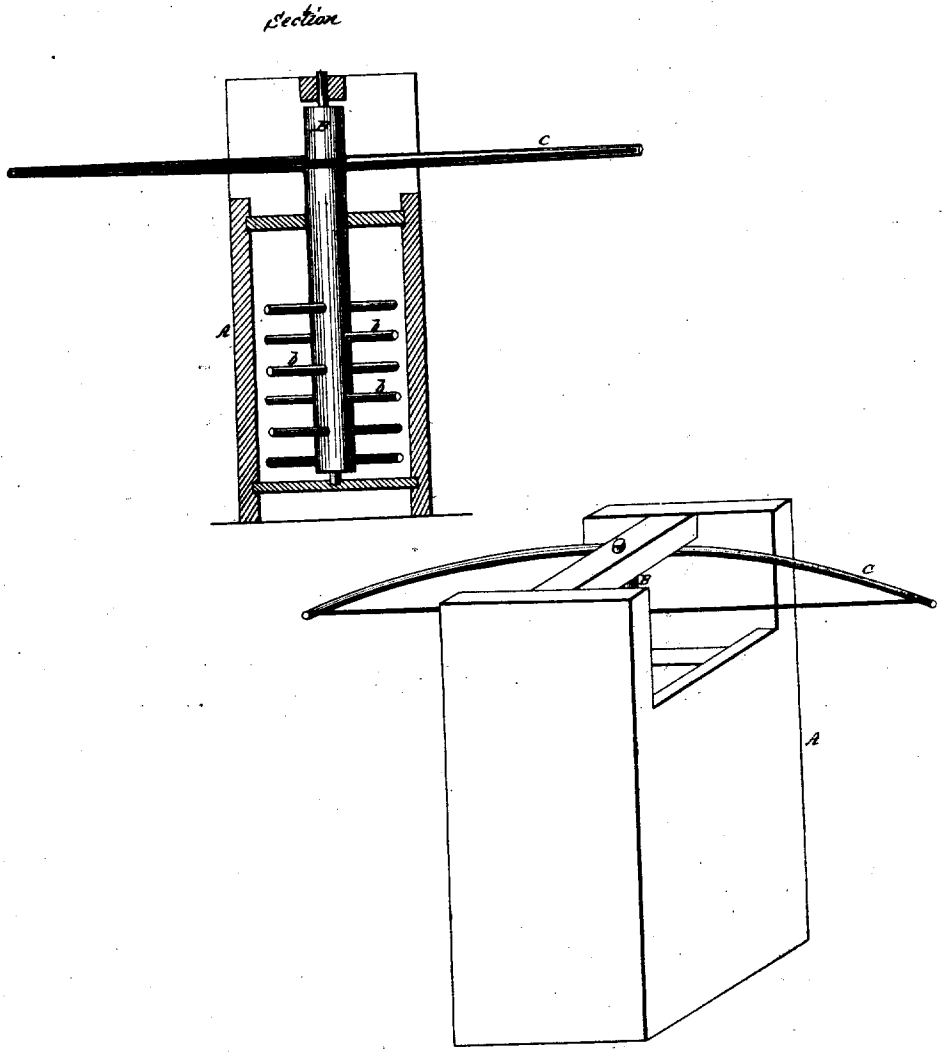
6543X

J. CRAIL.

Churn.

Patented May 5, 1831.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

May 5. 1931

Joseph Crail Warren, Ohio. 6543X

Letters Patent

The schedule referred to in these Letters Patent and making part of the same Containing a description in the words of the said Joseph Crail himself of his Improvement in the Butter Churn.

To all whom these presents shall come: Be it known that I Joseph Crail of Warren in the County of Trumbull and State of Ohio have invented a new and useful Improvement in the Butter Churn and that the following is a full and exact description of the construction and operation of the said Machine and Invention or Improvement by reference had to the annexed drawings.

The body of the Churn is a square box composed of sides and a bottom. The sides of the Churn are made of boards of one and one fourth inch in thickness halved and nailed together at the corners the grain of the wood running perpendicularly. The length of two of the sides is twenty three inches and the other two sides thirty inches. The bottom is let into a groove made in the sides five inches above the lower end. The lid is of two pieces and let into the top of the Churn one inch below the top of the sides. The depth of the churn in the clear is nine inches, the width two inches & three and a half inches in diameter bored through the centres of the Churn vertically and plugs on a gudgeon or pivot, on the lower end which is let into the bottom of the churn. A pin on the top end of the Shaft plugs in a piece of timber three inches in breadth and one and a half in thickness which passes over the centre of the churn and is fastened at each end by screws let into the tops of the long sides, six spindles or rods three eighths of an inch in diameter and two inches in length and put through the shaft of the lower end the first one inch from the bottom and the rest at right angles with the first one and a half inch above the first and so on alternately each second one being the one next to it at right angles and one and a half inch from it. The body of the churn is perforated with gudgeon holes with one hole on each side & about seven inches above the top of the Churn. The shaft of the Churn is joint in the centre by a tenon and shaft & cord. The two three and a

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half feet long the cross pieces ~~passed~~ passing through the shaft between the bottom of the Chassis and the cross piece which is let into the long pieces sides of the Chassis and is made fast by a cast iron of the bottom The Machine is Communicated to the shaft by hand.

What I claim as particularly new and of my own invention is the manner of securing the shaft for Casters by a Screw and Nut

Witnesses
Jas. Mc Sherchan
Wm. Donaldson

Joseph Crail

576 words