

W. SANDERS.

CHURN.

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1,012,446.

Patented Dec. 19, 1911.

Fig. 1.

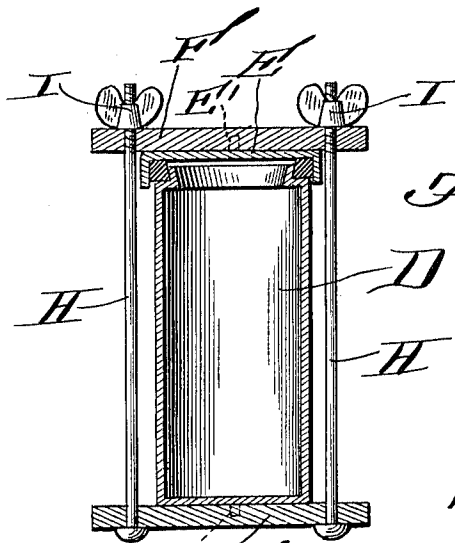
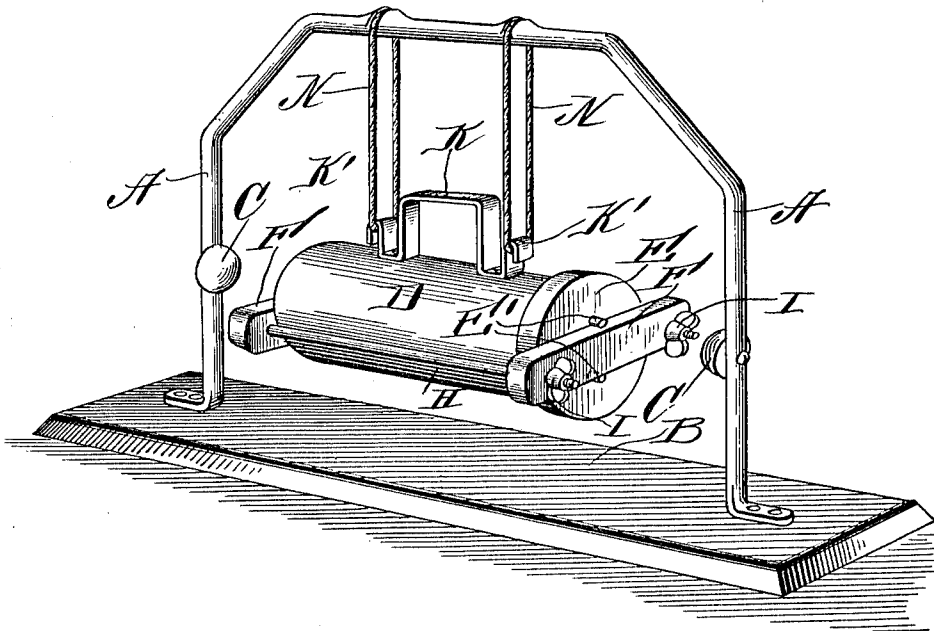


Fig. 2.

Witnesses

R. H. Bayrell
J. H. Sherwood

Inventor
William Sanders

By *Franklin N. Storr*
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM SANDERS, OF JACKSON, TENNESSEE.

CHURN.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM SANDERS, a citizen of the United States, residing at Jackson, in the county of Madison and State of Tennessee, have invented certain new and useful Improvements in Churns; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in vibratory churns and the object in view is to generally improve upon and render more efficient this type of churns.

The invention comprises various details of construction and combinations and arrangements of parts which will be herein-after fully described and then specifically defined in the appended claim.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a perspective view of my improved churn, and Fig. 2 is a sectional view longitudinally and vertically through the churn.

Reference now being had to the details of the drawings by letter, A designates a bail-shaped bar, preferably of hollow material, which is fastened to the base B in any suitable manner, the upright portions of said member A being provided with buffers C and adapted to take up the vibration incident to the swinging churn coming in contact therewith.

The churn body, designated by letter D,

is preferably of cylindrical shape and made preferably of tin or other suitable metal. A lid E is provided with a flange which fits over one end of the churn and is held tightly by means of the clamping members F in which apertures are formed for the reception of the rods H which have heads at corresponding ends and the opposite ends threaded for the reception of the winged nuts I, thereby affording secure means for holding the lid tight against the body portion of the churn. In order to make the lid secure to prevent any liquid leaking, suitable gaskets are preferably interposed between the lid and body portion of the churn.

A handle, designated by letter K, is fastened to the body portion of the churn and each end of the bar out of which the handle is formed is turned into a hook K'. The endless wire or cable N, which passes over the horizontally disposed portion of the bail-shaped member and catches underneath said hooks, thus forming a secure means for the suspension of the churn and allowing the latter to swing freely.

What I claim to be new is:—

A swinging churn comprising a body portion, a handle fixed thereto and having its ends formed into inverted hooks, a supporting bar, cables mounted thereon and engaging said hooks and forming means for allowing the churn to swing.

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

WILLIAM SANDERS.

Witnesses:

S. T. POWELL,
W. E. GANT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."