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W. F. TALBERT.

CHURN

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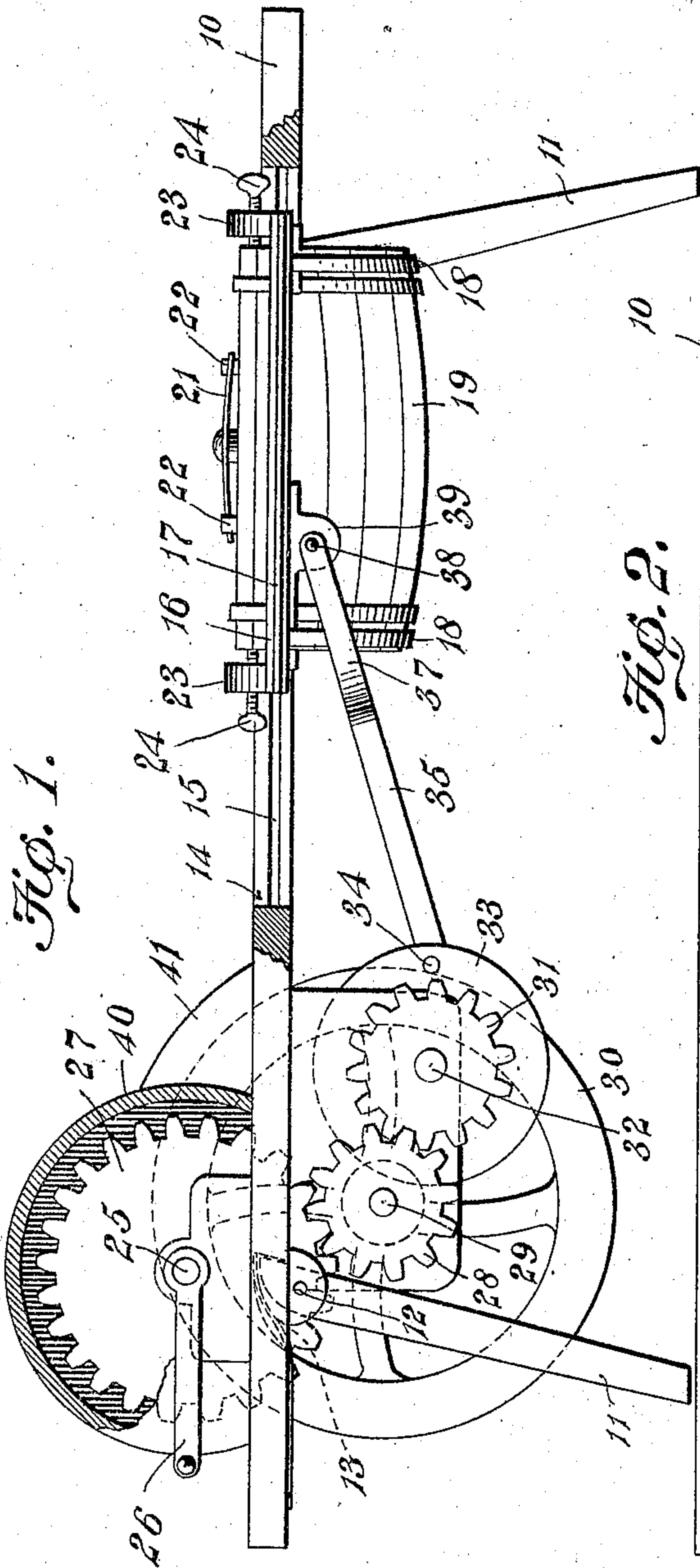
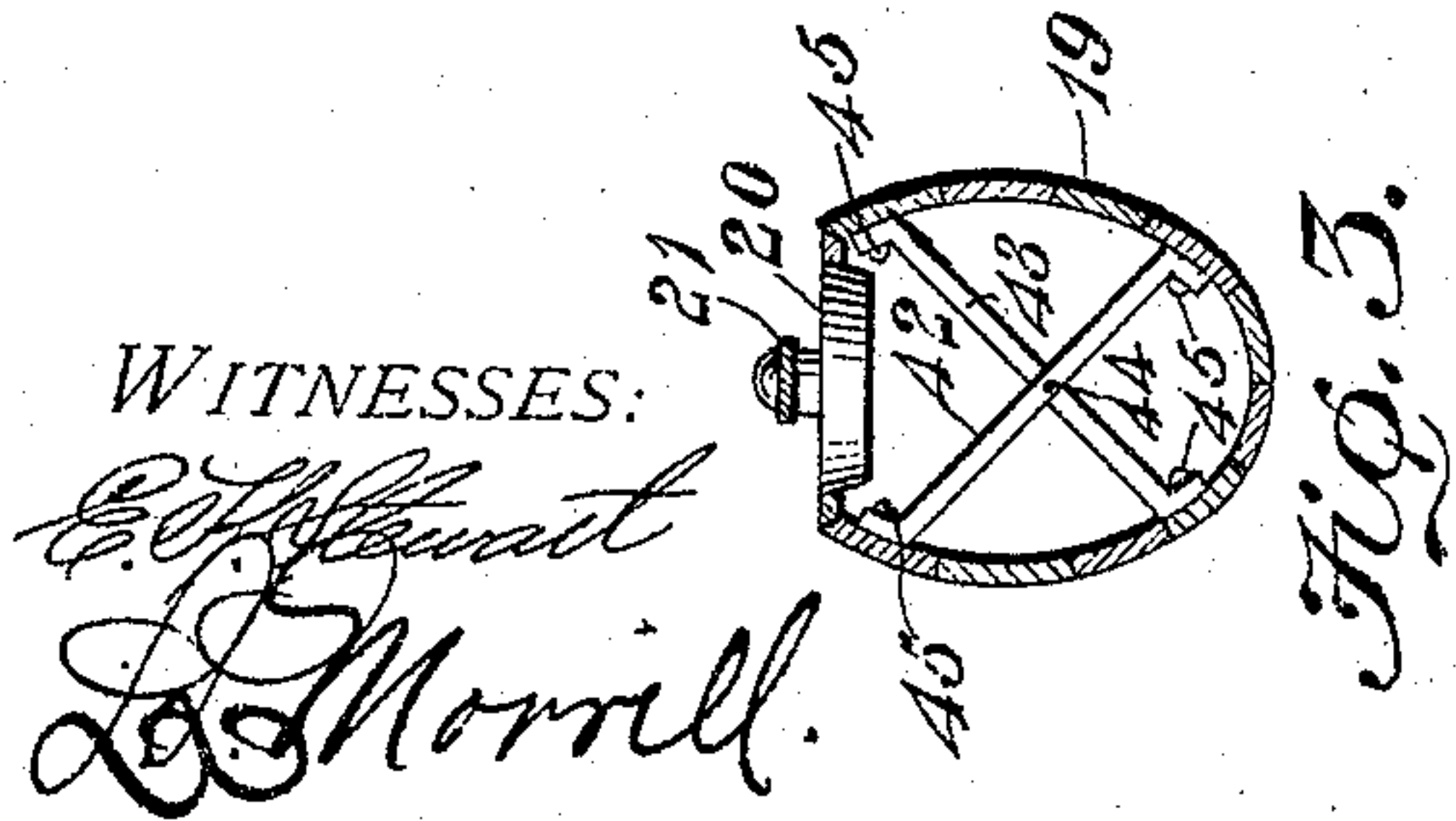
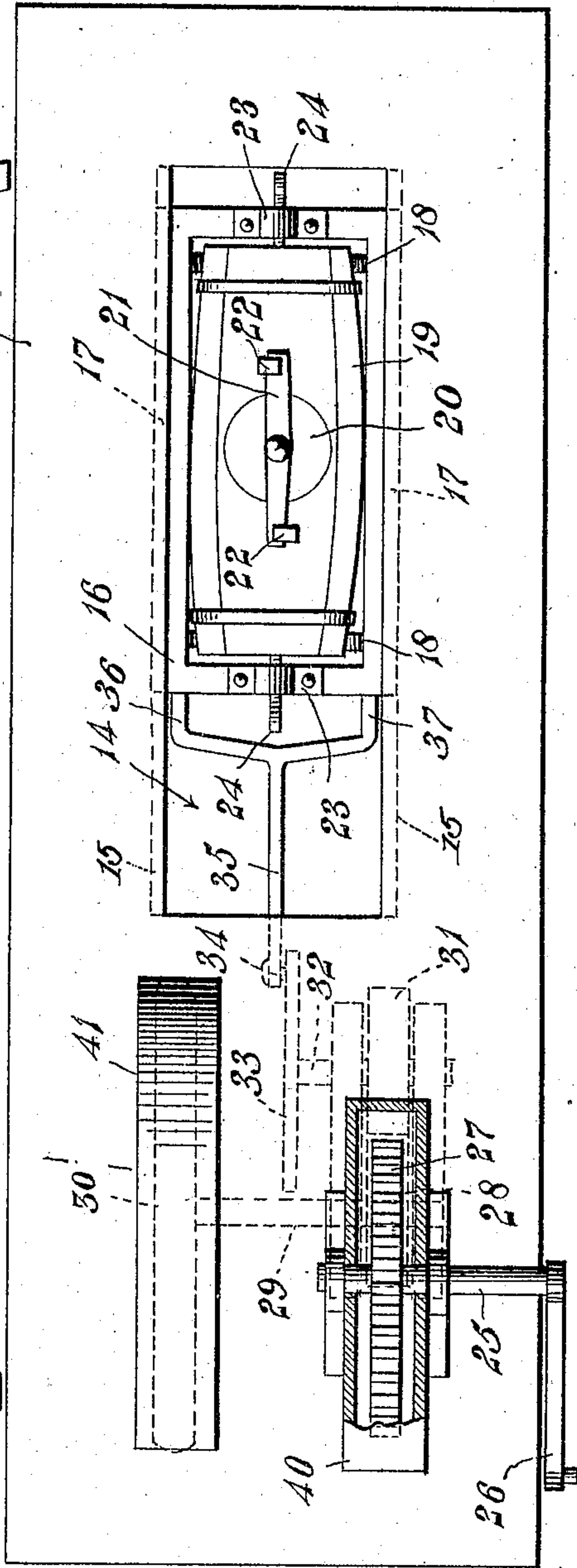


Fig. 2.



WITNESSES:

E. J. Talbert
L. Morrill

William F. Talbert,
INVENTOR.

By

C. A. Snow & Co
ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM F. TALBERT, OF FUNKSTOWN, MARYLAND.

CHURN.

No. 815,658.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM F. TALBERT, a citizen of the United States, residing at Funkstown, in the county of Washington and State of Maryland, have invented a new and useful Churn, of which the following is a specification.

This invention relates to churns, and has for an object to provide a reciprocating-body churn mounted in and approximately level with the top of the table which is used in connection with filling the churn and removing and working the churned butter.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made without departing from the spirit or sacrificing any of the advantages of this invention.

In the drawings, Figure 1 is a view of the improved churn in side elevation with certain parts broken away to show the operating parts. Fig. 2 is a top plan view of the improved churn. Fig. 3 is a transverse sectional view of the churn-receptacle.

Like characters of reference indicate corresponding parts in all of the figures of the drawings.

In its preferred embodiment the improved churn forming the subject-matter of this application comprises a table 10, supported in any approved manner, as by the legs 11, hinged at 12 and held yieldingly in operative position by the springs 13. The table is provided with an elongated opening 14, which has ways 15 formed along its longitudinal sides.

Within the opening 14 is slidably mounted the frame 16, having flanges 17 or other approved means for slidable engagement with the ways, which enables the frame to be reciprocated longitudinally of the table and within the opening. The frame is provided with stirrups 18, within which is disposed the barrel-like cask or receptacle 19, with its top approximately level with the upper surface of the table-top. The top of the receptacle is provided with an opening closed by a cover 20, retained in operative engagement by a centrally-pivoted resilient bar 21, engaging lugs 22, spaced upon opposite sides of the

opening. At the ends the frame is provided with the blocks 23, through which are inserted screws 24, exerting opposed clamping pressure against opposite ends of the receptacle.

Upon the table is journaled a shaft 25, provided with any approved means for rotating, as a pulley or the crank 26, and having a gear-wheel 27 rigidly mounted thereon. The gear 27 engages a gear 28, mounted upon a shaft 29, also journaled upon the table and carrying a balance-wheel 30. The gear 28 in turn engages a gear 31 upon a shaft 32, upon which is mounted a pitman-wheel 33. The pitman-wheel is provided with a wrist-pin 34, upon which is pivoted a pitman 35, bifurcated at the end opposite to form the arms 36 and 37, pivoted at 38 to the ears 39, rigidly carried by the frame 16. The portions of the gear 27 and the balance-wheel 30 extending above the table are respectively covered by the housings 40 and 41 to prevent accidental contact with the said wheels.

Within the receptacle is disposed a spider composed of the arms 42 and 43, pivoted at 44 to facilitate its removal from and insertion through the opening and secured in the receptacle in any approved manner, as by the screws 45.

It will be understood that the rotation of the crank 26 will rotate the shafts 25 and 32 and the pitman-wheel 33, and thereby impart a reciprocating movement to the receptacle longitudinally of the table, whereby the contents are thrown violently from end to end and accomplishing the churning in the usual manner.

For filling the churn any vessel containing the cream may be set upon the table and the cream poured or ladled therefrom directly into the receptacle. When the churning is completed, the vessel to receive the butter is set upon the table and the butter taken from the churning-receptacle in the usual manner.

Having thus described the invention, what is claimed is—

1. The combination with a butter-working table having an opening therein and mechanism supported by the table; of a frame slidably mounted in the opening, stirrups carried thereby, means operated by the mechanism for reciprocating the frame, a receptacle carried by the stirrups, and means upon the frame for clamping upon opposite portions of the receptacle.

2. The combination with a butter-working

table having an opening therein and mechanism upon the table; of a frame adapted to be reciprocated by said mechanism, a receptacle detachably supported in the frame, and a
5 collapsible spider detachably mounted in the receptacle.

3. In a churn, the combination with a butter-working table having an opening therein; of a barrel-like receptacle adapted to reciprocate within the opening and having a flat
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face provided with an inlet and a collapsible spider insertible through the inlet and detachably secured within the receptacle.

In testimony that I claim the foregoing as my own I have hereto affixed my signature 15 in the presence of two witnesses.

WILLIAM F. TALBERT.

Witnesses:

DAVID F. NIGH,
REINOLD J. HALM.