X0009383

L. Whittier.

Churn.

Patented Feb 10.1836.

Fig. 1.

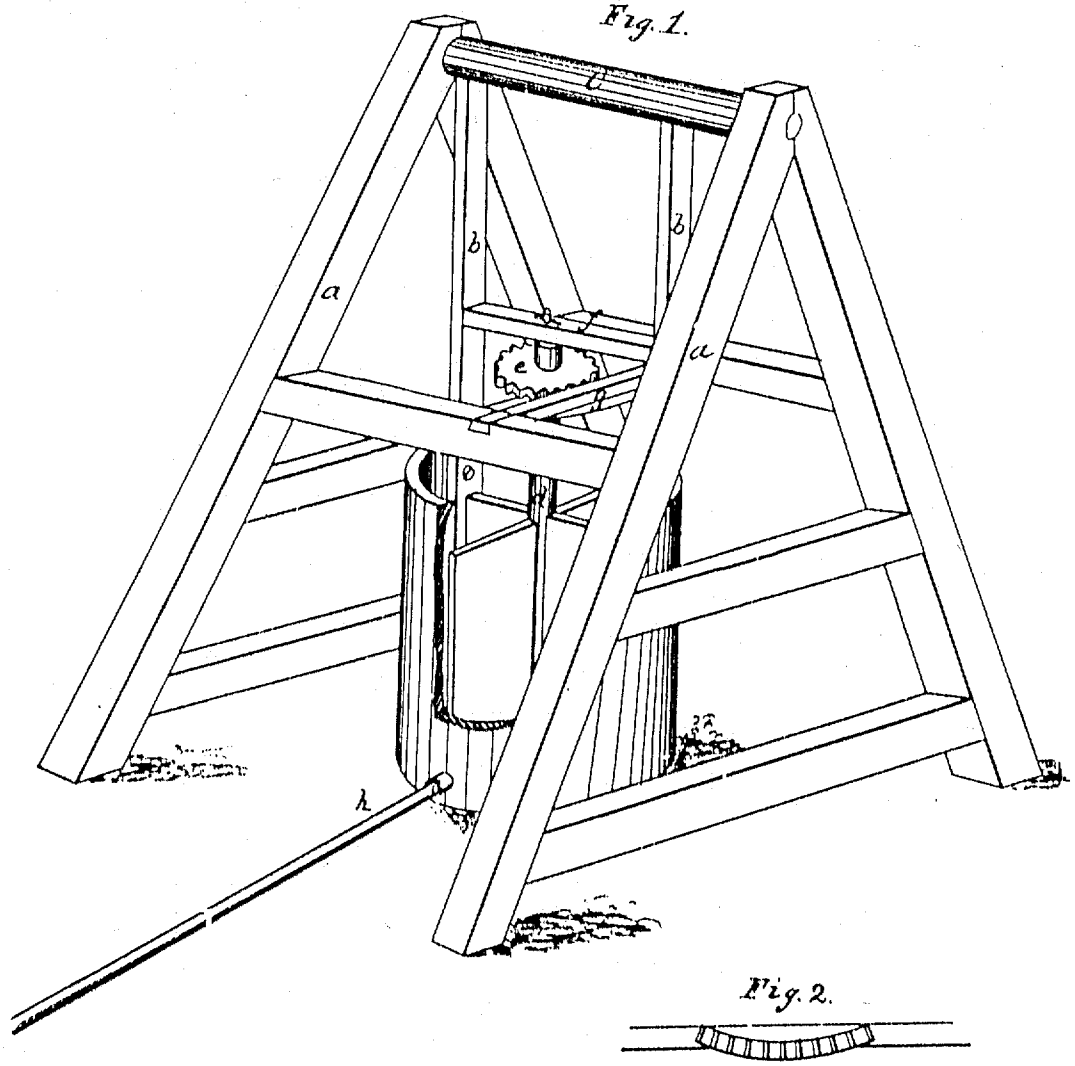


Fig. 2.

H. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

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Feb 10 1836

Lyman Williams of Vienna Maine

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 Lyman Williams himself of his Improvement in the Churn

To all to whom these Presents shall Come: Be it known that I Lyman Williams of Vienna in the County of Kennebec and State of Maine have invented a new and useful improvement in the Churn and the following is a full and exact description of the construction and operation of said Churn, invented & improved by me. First the Churn which receives the cream is the ordinary round churn of such size as may be desired. To this churn a frame is attached as follows, to wit. Two pieces of wood 1½ by 1½ inch square and 4 feet 4 inches long are united at one end like the letter A (without the cross) Midway of these pieces a piece of wood 1½ inch by 2 inches and 3 feet long couples the two pieces (by being let in so as to have them even on both sides) which constitutes one side. Another side is made like unto it and the two sides are united together by 2 pieces of wood of the size of the other cross pieces at the foot of the pieces (like the letter A) and also by 2 pieces across from the ends of these cross pieces on the sides - which make the frame to consist of ten pieces. The last named cross pieces which unites the two sides being 15 inches long. and the pieces on the side being 3 feet long gives an open space of 3 feet one way (that is between the sides) and fifteen inches from one side to the other. Within this space the churn is suspended by being attached to two upright slats 1½ inch wide 1½ inch thick. The slats are fastened at the upper end to a roller which rests on the upper end or top of the sides of the frames in such a manner as to permit the roller to turn free and easy. Within the churn an upright shaft is set on a pivot (in the center) 3½ feet long (the churn dasher - being 22 inches deep) and on this shaft which should be of convenient size. above the top of the churn is placed a wheel say 8 inches diameter having 10 or 12 cogs in it (or more or less as may be desired) The upper end of the shaft is kept in a central position by a cross piece from one slat to the other into which the top of the shaft enters. A piece of wood say 3 inches wide 1½ inch thick and 3 feet long rests on the cross pieces when

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connect the sides of the frame (in the centre) from the middle of thickness (or centre of length ways) on a circle corresponding to the swing of the chain is 21 degrees which are to match with the cogs in the wheels on the shafts so that when the clock swings to the pendulum of a clock it will give motion to the shaft from round & back again. At the bottom of the shaft within the Column are brackets or ladles in such number & size as may be most necessary to give sufficient motion to the cream. The Column is carried most commodiously by a small oaken leaf long attached to the bottom of the Column. A Patent is claimed for the manner of producing the motion to the cream by the action of the water and cogs.

Sworn before me
H.G. Bennett
Nath[l] Whittier

Lyman Whittier

Drawing rec[d].

656 acres