

D. A. WILLBANKS.
Improvement in Churns.

No. 123,656.

Patented Feb. 13, 1872.

Fig. 1.

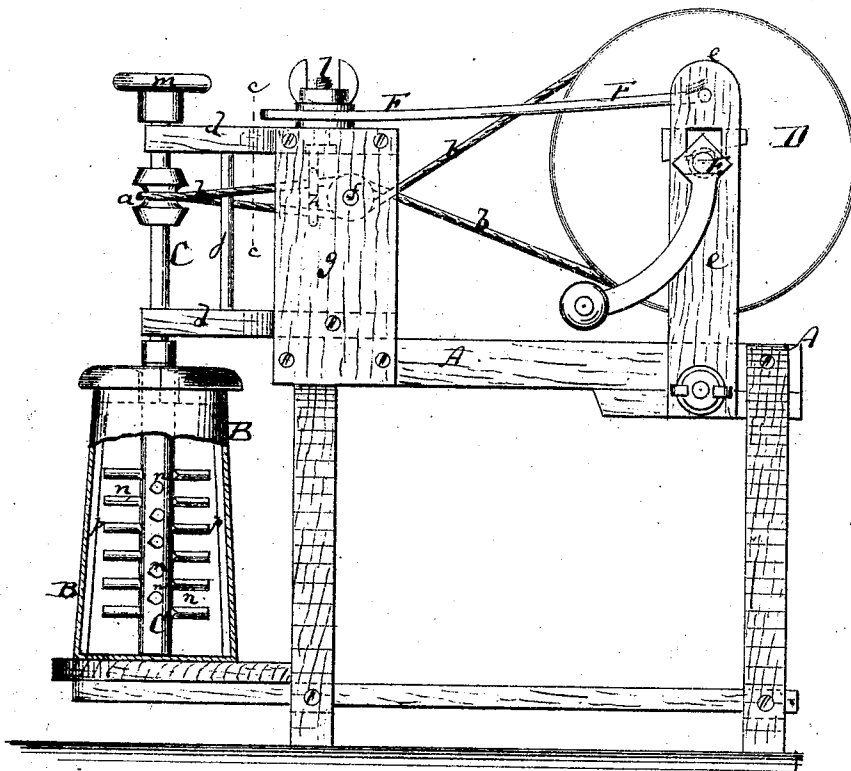
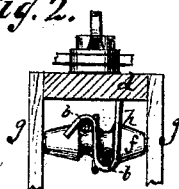


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 123,656, dated February 13, 1872.

Specification describing a new and Improved Churn-Power and Churn, invented by DAVID A. WILLBANKS, of Harmony Grove, in the county of Jackson and State of Georgia.

Figure 1 represents the side elevation of a churn to which my improvement is attached, and Fig. 2 a transverse section thereof.

The invention will be first fully described and then clearly pointed out in the claim.

A in the drawing represents the frame of the churn-power, made in form of a bench or otherwise. B is the churn; C, the dasher-rod, carrying a grooved pulley, *a*, over which the driving-belt *b* is placed. This belt draws the rod C against the ends of horizontal plates *d*, which are rigidly affixed to the frame A. The belt *b* is placed around the pulley *a* and around the driving-wheel D, which is mounted upon the driving-shaft E. Between the pulley *a* and wheel D the belt is crossed around a guide-pulley, *f*, double grooved, as shown, and hanging in fixed upright plates *g* of the frame. By

being crossed, the belt balances the guide-pulley and reduces the friction on its bearings. Directly in front of the guide-pulley the belt passes through the loops of a bent rod, *h*, which is suspended from the upper horizontal plate *d* that connects the uprights *g*. An upright pin, *j*, is further placed back of the dasher-rod to serve, together with the looped rod *h*, to prevent the belt from becoming entangled when loose.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, as described, with a belt, *b*, connecting two pulleys, of the looped rod *h* and pin *j*, to prevent the belt from becoming tangled when removed from dasher-rod.

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