

(No Model.)

H. M. WISE, V. M. STEVENS & B. CHAPMAN.

CHURN POWER.

No. 261,798.

Patented July 25, 1882.

fig. 2.

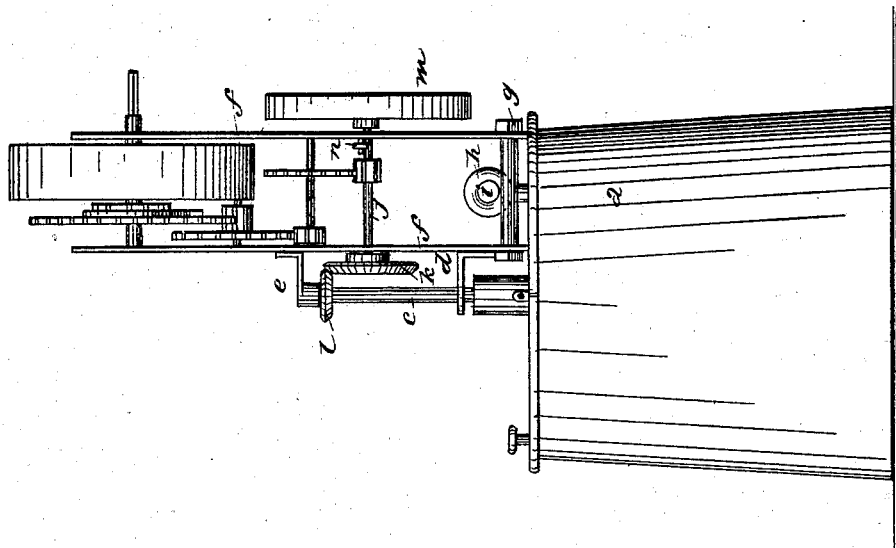
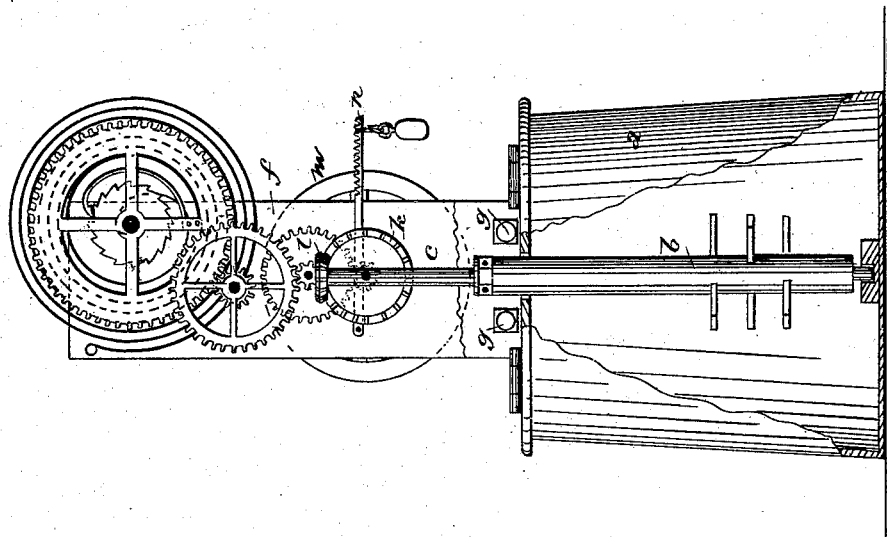


fig. 1.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY M. WISE, VICTOR M. STEVENS, AND BENNET CHAPMAN, OF OSKALOOSA, KANSAS.

## CHURN-POWER.

SPECIFICATION forming part of Letters Patent No. 261,798, dated July 25, 1882.

Application filed June 15, 1882. (No model.)

*To all whom it may concern:*

Be it known that we, HENRY M. WISE, VICTOR M. STEVENS, and BENNET CHAPMAN, of Oskaloosa, Jefferson county, Kansas, have invented a new and Improved Churn-Power, of which the following is a full, clear, and exact description.

Our invention consists of a spring-power motor combined with a churn having a rotary dasher turning on a vertical axis, by locating the base of the frame of the motive power on the top of the churn, and securing it thereto in a novel and simple manner, and gearing the high-speed shaft thereof with the shaft of the dasher, said speed-shaft being provided with a weighted brake-lever along which the weight may be shifted from time to time as the spring relaxes to regulate the motion, as hereinafter fully described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both figures.

Figure 1 is a side elevation of our improved churn-power attachment together with the churn, which is partly broken out to show the dasher. Fig. 2 is an elevation of the said power and churn, taken in a plane at right angles to that of Fig. 1.

The churn is represented by the upright circular case *a* and the rotary dasher *b*, arranged on a vertical axis within said case, from which a shaft, *c*, extends up through the top of the churn for the application of the power to it. This shaft *c* is fitted in the brackets *d* and *e* of the frame *f* of a spring-power apparatus for support above the top of the churn on which the said frame rests, said frame being attached thereto by means of the rods or bolts *g*, eye-stud *h*, and key *i*, so that it can be readily detached when required, and so contrived that

the power can be readily attached to the top of any similar churn. The high-speed shaft *j* of the power is geared by the bevel-driver *k* and bevel-pinion *l* with the shaft *c* for applying the motion to the dasher, and said shaft *j* is provided with a balance-wheel, *m*, to regulate the motion, and also with a brake-lever, *n*, to which a weight is to be applied, said lever being notched or serrated along a portion of its length to secure the weight at different positions along it, to which said weight is to be shifted from time to time as the spring weakens by expansion.

It will be seen that the arrangement is simple and cheap, and so that the power can be readily applied.

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

1. The combination of a spring-power with a churn having a vertical dasher in the described arrangement, consisting of the attachment of the power to the churn-top by the rods *g*, eye-stud *h*, and key *i*, and gearing said power with the dasher by bevel-wheels *k* and *l*, said dasher being supported in brackets *d* and *e* of the said power apparatus above the churn-top, substantially as described.

2. The combination, with the transmitting-shaft *j* of a spring-power apparatus geared with the churn-dasher *c*, of a weighted brake-lever, *n*, having a series of notches along it for securing the weight in different positions, substantially as described.

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Witnesses:

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