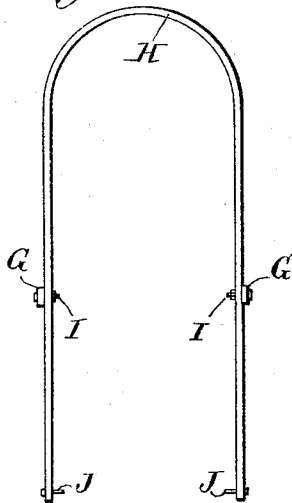
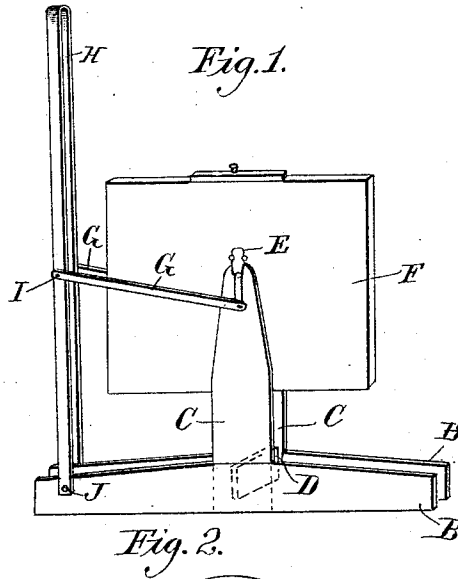


(No Model.)

F. R. BASSETT.
MEANS FOR OPERATING CHURNS.

No. 419,985.

Patented Jan. 21, 1890.



Witnesses:

Frank Skillington
Leroy Coburn

Inventor:

Fred R. Bassett.

UNITED STATES PATENT OFFICE.

FRED R. BASSETT, OF PAW PAW, MICHIGAN.

MEANS FOR OPERATING CHURNS.

SPECIFICATION forming part of Letters Patent No. 419,985, dated January 21, 1890.

Application filed June 12, 1889. Serial No. 314,076. (No model.)

To all whom it may concern:

Be it known that I, FRED R. BASSETT, a citizen of the United States, residing at Paw Paw, in the county of Van Buren and State of Michigan, have invented a new and useful Improvement in Means for Operating Churns, of which the following is a specification.

My invention relates to improvements in means for operating churns, in which a double lever or bent-bow lever acts in conjunction with cranks which are securely fastened to a revolving churn; and the objects of my improvement are, first, to provide facilities for revolving the churn by hand, and, second, to do away with the hand-crank or stooping position while churning. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the levers in connection with the box of a churn; Fig. 2, a front view of the bow or levers.

Similar letters refer to similar parts throughout the specification.

The legs B B and standards C C, connected with the cross-bar D, constitute the framework or support for the box and levers. The shape of the levers H is square and bent at its middle in the form of an inverted U, forming a double lever, as shown in Fig. 2 of my drawings. This lever H is held in position at its ends by the bolts J J, connected to the legs B B in such a manner that the upper

end of the levers may be moved forward and backward. The pitman-rods G G are connected to the levers H by the bolts I I at one end, while the opposite ends of the pitman-rods connect loosely to the outer ends of the cranks E E. The cranks E E are securely fastened to the box F, and revolve in the ends of the standards C C, as shown at Fig. 1 of my drawings. Thus it will be plainly seen that by a forward-and-backward motion of the levers H the box F is forced to revolve, while the legs B B stand squarely and permanently upon the floor.

I am aware that prior to my invention churns have been made having a revolving action; also, that levers have been made by which to revolve machinery. I therefore do not claim such a combination, broadly; but What I do claim as my invention, and desire to secure by Letters Patent, is—

The combination of the double or bent-bow lever H, loosely fastened at its lower ends to the legs B B, pitman-rods G, connected to said bow-lever at I and to the cranks E, and the cranks E, secured to the box F and revolving in the standards C, substantially and for the purpose set forth.

FRED R. BASSETT.

Witnesses:

C. A. PHILLIPS,
A. F. BARNES.