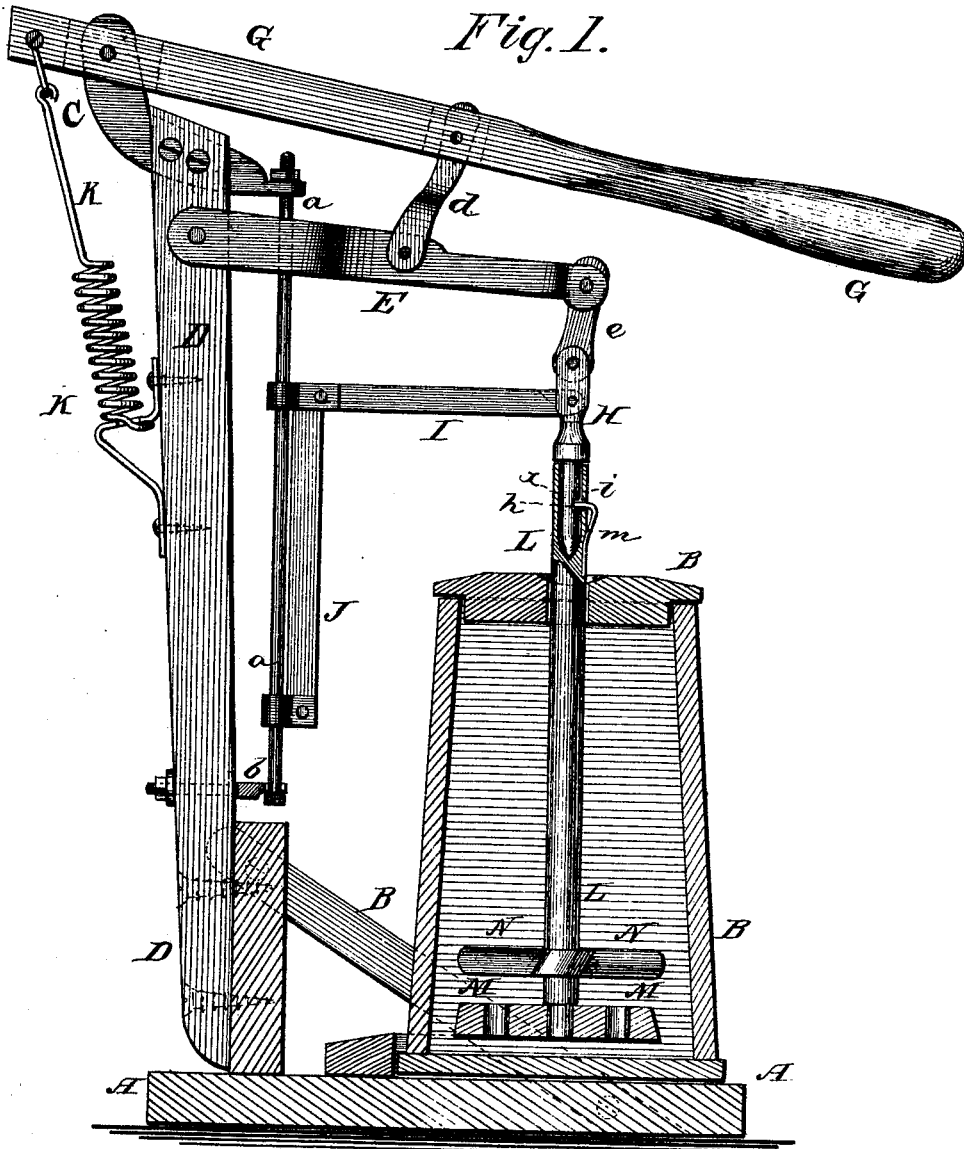


D. R. NEVITT.

CHURN.

No. 182,949.

Patented Oct. 3, 1876.



Witnesses:

*F. C. Diesterel.*

*F. H. Duff.*

Inventor:

*David R. Nevitt.*

Per: *C. H. Watson & Co.* Attorneys.

# UNITED STATES PATENT OFFICE,

DAVID R. NEVITT, OF EKIN, INDIANA.

## IMPROVEMENT IN CHURNS.

Specification forming part of Letters Patent No. 182,949, dated October 3, 1876; application filed July 3, 1876.

*To all whom it may concern:*

Be it known that I, DAVID R. NEVITT, of Ekin, in the county of Tipton, and State of Indiana, have invented certain new and useful Improvements in Churns; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a churn-dasher and the devices for operating the same, as will be hereinafter more fully set forth.

In the annexed drawing, Figure 1 is a side elevation, partly in section, embodying my invention.

A represents a suitable stand, upon which the churn B is placed. From the stand A rises a standard, D, in the upper end of which is fastened a curved metal bar, C. The front end of this bar forms the upper bearing for a vertical rod, *a*, the lower end of which is held in a forked iron, *b*, fastened in the standard D. To the upper rear end of the bar C is pivoted the operating lever G, which extends forward over the churn and in front thereof. The lever G is by a link, *d*, connected with another lever, E, below it, and this latter lever is forked at its inner or rear end, and pivoted to the standard D. The outer or front end of the lever E is by a link, *e*, connected to a head-piece, H, secured on the front or outer end of an arm, I, having at its inner end a sliding bar, J, moving upon the rod *a*. The churn-dasher being connected to the head-piece H, the slide J and arm I cause the dasher to move plumb in its reciprocating motion. By the compound leverage employed the dasher

is moved up and down the entire stroke with a comparatively small movement of the operating lever, and the dasher is forced down with but little exertion. The dasher is raised by means of a spiral spring, K, connected to the inner end of the lever G, as shown.

L is the dasher-rod, provided at its lower end with a stationary perforated disk, M, and a short distance above the same, on the same, is a loose four-armed wheel, N, having the edges of its arms made beveled, so as to rotate by its own up and down motion through the milk, thereby gathering the butter faster. The upper end of the rod L is made hollow or formed with a socket, *i*, and provided with a spring-catch, *m*. From the head-piece H extends downward a vertical rod or spindle, *h*, having a notch, X, cut in one side. The socket end of the dasher-rod L is pressed upward on the spindle *h* until the spring-catch *m* enters the notch X, thereby fastening the churn-dasher to the operating mechanism. To remove the same, it is only necessary to turn the rod L a short distance to either side, when it will come off by pulling downward on the rod.

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

The combination of the levers G and E, links *d e*, head-piece H, sliding bar J with arm I, rod *a*, and spring K, all constructed and arranged to operate substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

DAVID R. NEVITT.

Witnesses:

WILLIAM BUNDY,  
JAMES F. THOMPSON.