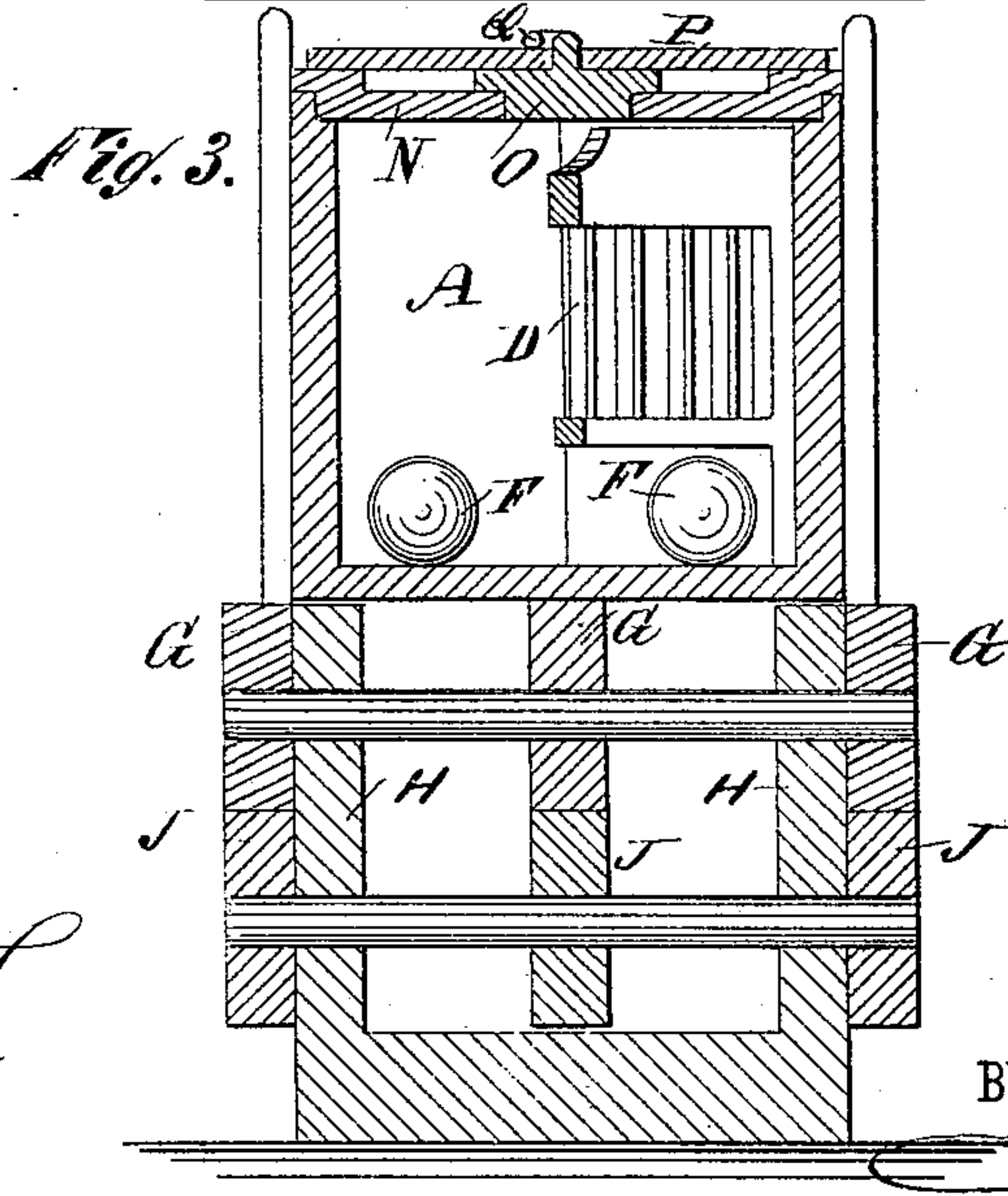
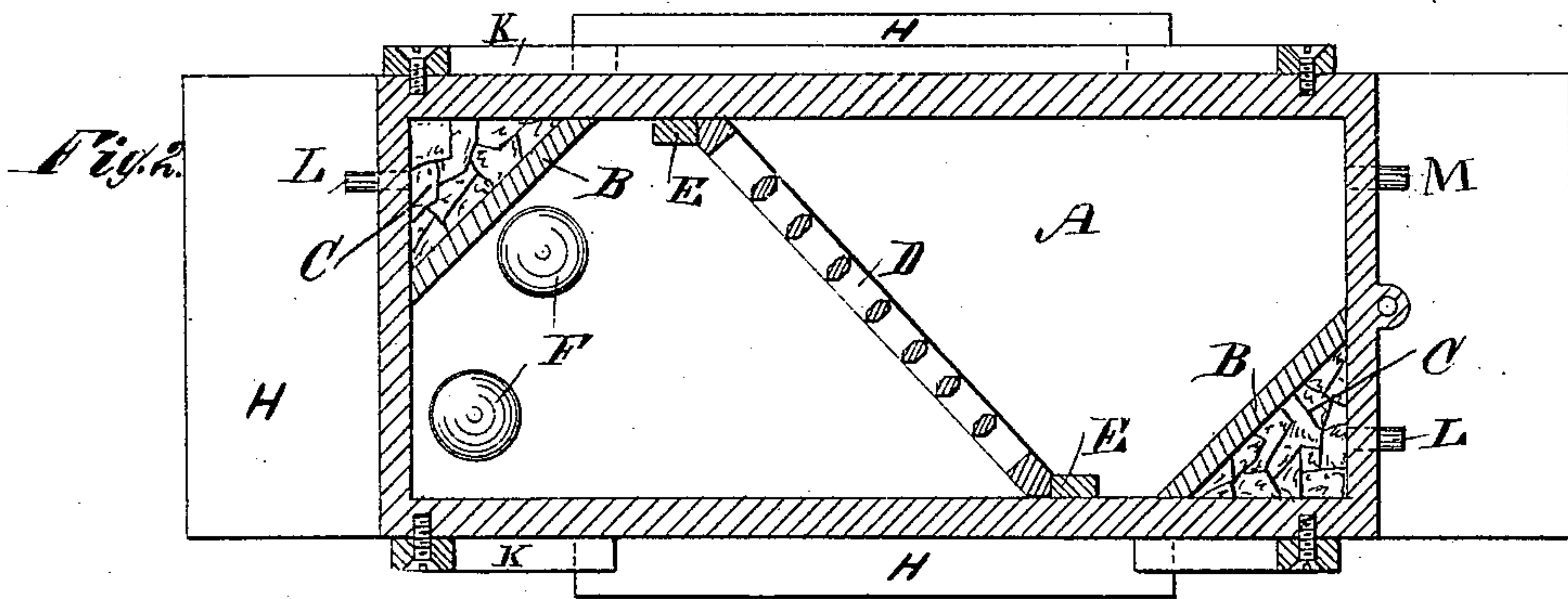
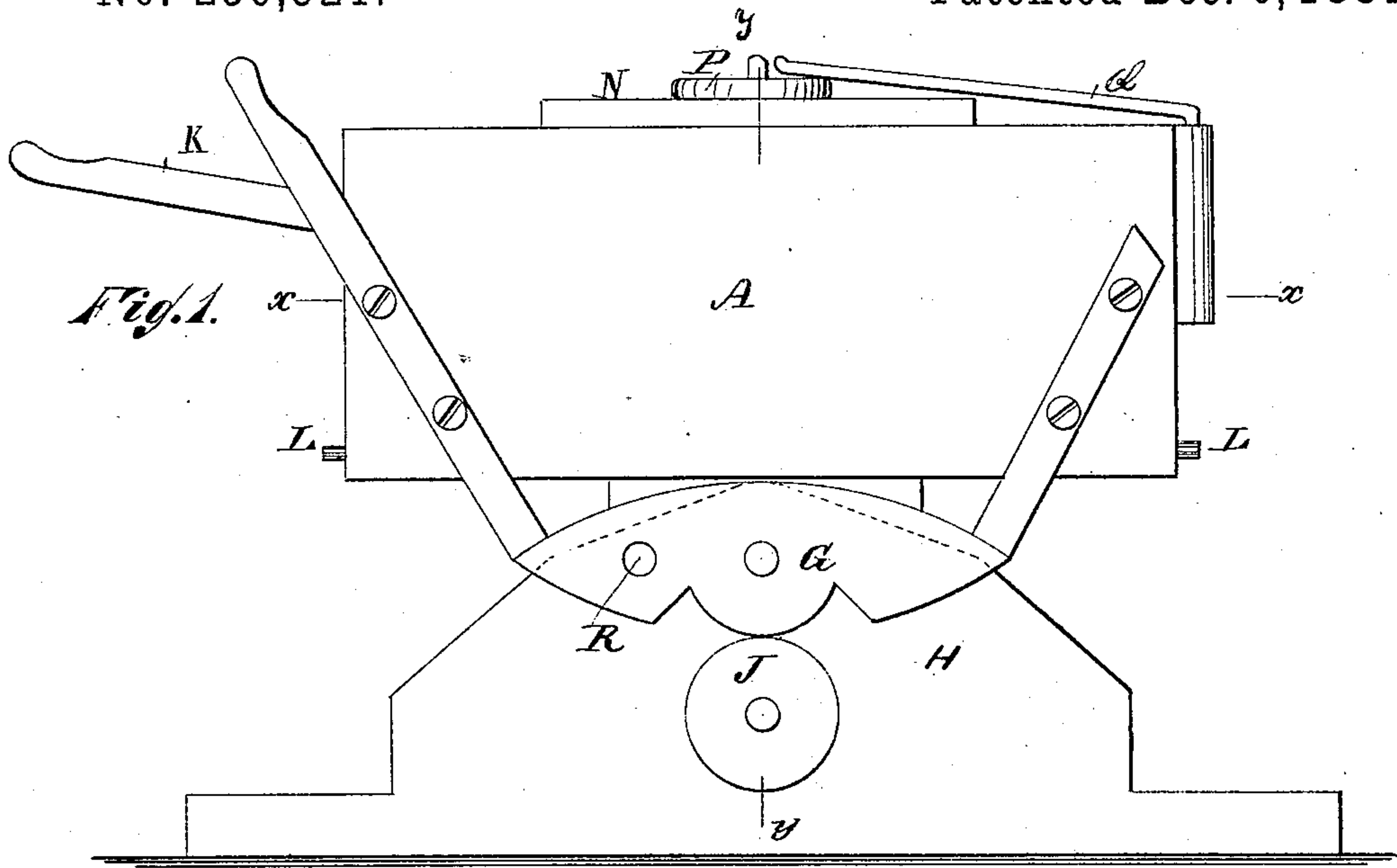


(No Model.)

O. GENTSCH.
ROCKING CHURN.

No. 250,521.

Patented Dec. 6, 1881.



WITNESSES:

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UNITED STATES PATENT OFFICE.

OTTO GENTSCH, OF SOUDERTON, PENNSYLVANIA.

ROCKING CHURN.

SPECIFICATION forming part of Letters Patent No. 250,521, dated December 6, 1881.

Application filed August 15, 1881. (No model.)

To all whom it may concern:

Be it known that I, OTTO GENTSCH, of Souderton, in the county of Montgomery and State of Pennsylvania, have invented a new and Improved Rocking Churn, of which the following is a specification.

The invention consists in a box provided with a transverse rack, with ice-receiving chambers in opposite corners, and with rockers resting on wheels of a base, thus permitting the box to be rocked by means of its handles, and if the box is to be locked in a certain position a locking-pin is passed through an aperture in the rocker into a corresponding aperture in the base.

In the accompanying drawings, Figure 1 is a longitudinal elevation of my improved churn. Fig. 2 is a horizontal sectional view of the same on the line *x x*, Fig. 1. Fig. 3 is a cross-sectional elevation of the same on the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The box A is provided with diagonal partitions B, forming chambers C in the corners, these chambers being adapted to receive a quantity of ice to keep the milk in this box A fresh and cool. These ice-compartments are arranged in diagonally-opposite corners of the box, for the purpose hereinafter set forth. A rack or slotted board, D, is placed diagonally across the box, this rack resting against the cleats E E, and being so constructed that its lower edge will be such a distance above the floor of the box as to allow two balls, F, rolling on the floor of the box, to pass under this rack.

Rockers G G are attached to the sides of the box, or the box can rest on these rockers, which are mounted on a shaft journaled in the base H, in such a manner that the rocking-surfaces of the rockers will rest on wheels J, mounted on a shaft journaled in the base H.

The box A is provided with handles K, for rocking it, and it is further provided with cocks L, for drawing off the water from the ice-chambers, and with a cock, M, for drawing off the buttermilk.

The lid N of the box is provided with a small opening closed by a cover, O, on which a board, P, is placed and held down by a spring-bar, Q, fastened to the end of the box. One rocker G is provided with an aperture, R, through which a pin or bolt is passed into

the base H, in case the box is to be locked in a horizontal position. The spring holds the lids N and O down firmly, and these lids can be opened easily if the spring is turned to one side. The milk having been placed into the box A, the latter is rocked to and fro by means of the handles K, thus causing the balls F F to roll up and down through the milk, thereby agitating the same. The ice-boxes being in the diagonal opposite corners of the box causes the balls to travel over a greater amount of surface, and thereby agitate the milk more thoroughly, than if they were arranged across the ends of the box. The milk is also dashed through the rack D, and is thus thoroughly mixed with air and exposed to the action of the same and is converted into butter in a short time. The ice in the chambers C keeps the milk and air in the chamber fresh and cool. The rack D is placed diagonally, so that it can be made longer than it could be if placed directly transversely.

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

1. A churn having ice-boxes formed in diagonally-opposite corners of the cream-box, substantially as and for the purpose set forth.

2. In a churn, the combination, with the cream-box A, provided with the partitions B in diagonally-opposite corners and adapted to be rocked, of the balls F, substantially as and for the purpose set forth.

3. In a churn, the combination, with the cream-box A, adapted to be rocked, of the partitions B in diagonally-opposite corners, the diagonal rack D, and the balls F, substantially as and for the purpose set forth.

4. In a churn, the combination, with the base H, provided with the wheels J, of the rectangular cream-box A, provided with the rockers G, secured to its sides, and adapted to rest upon the said wheels, substantially as and for the purpose set forth.

5. The combination, with the cream-box A, of the lid N, the cover O, the plate P, and the swinging spring-bar Q, substantially as herein shown and described, and for the purpose set forth.

OTTO GENTSCH.

Witnesses:

ABRAHAM HANGEX,
GEORGE H. SWARTZ.