

No. 771,158.

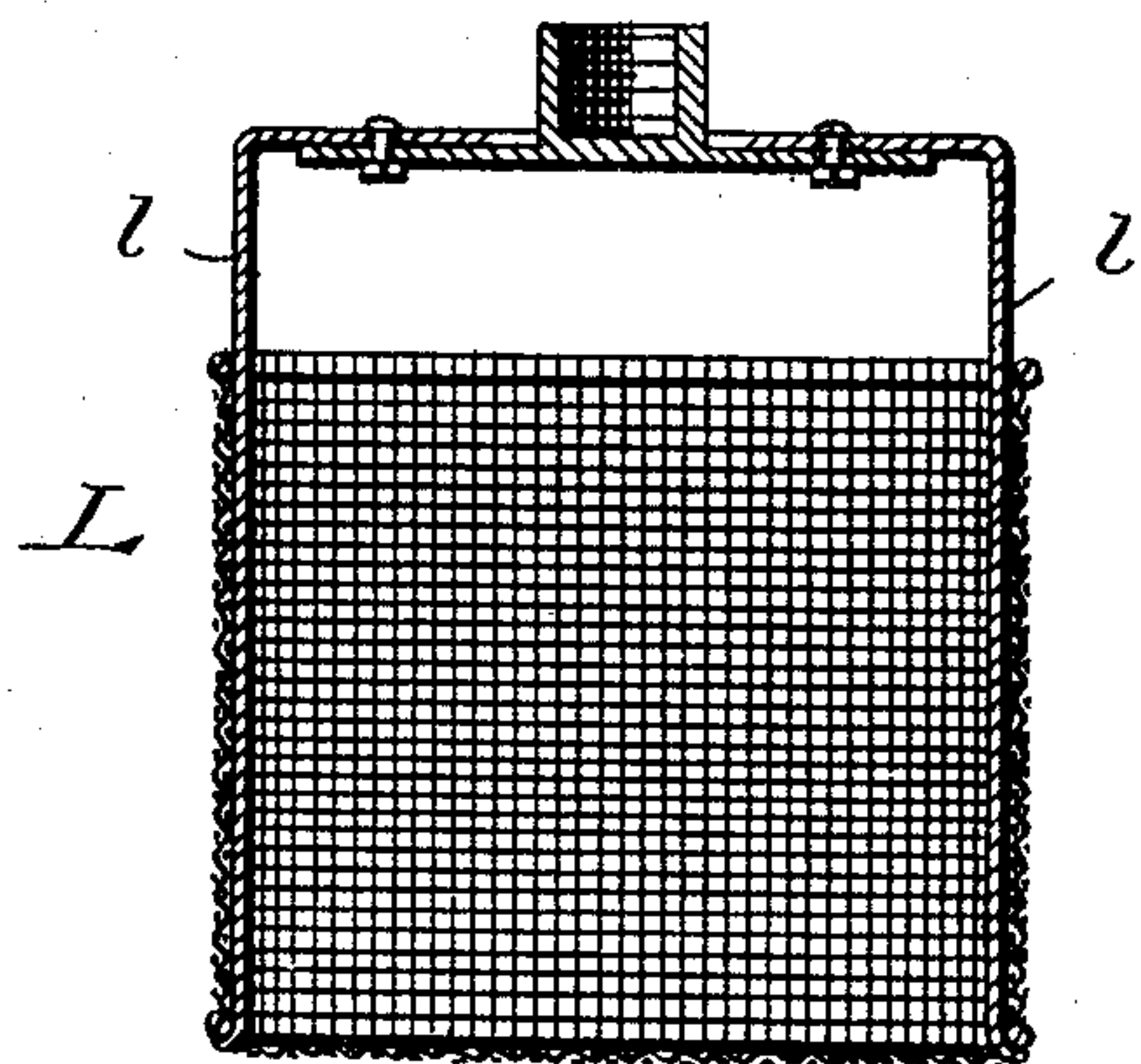
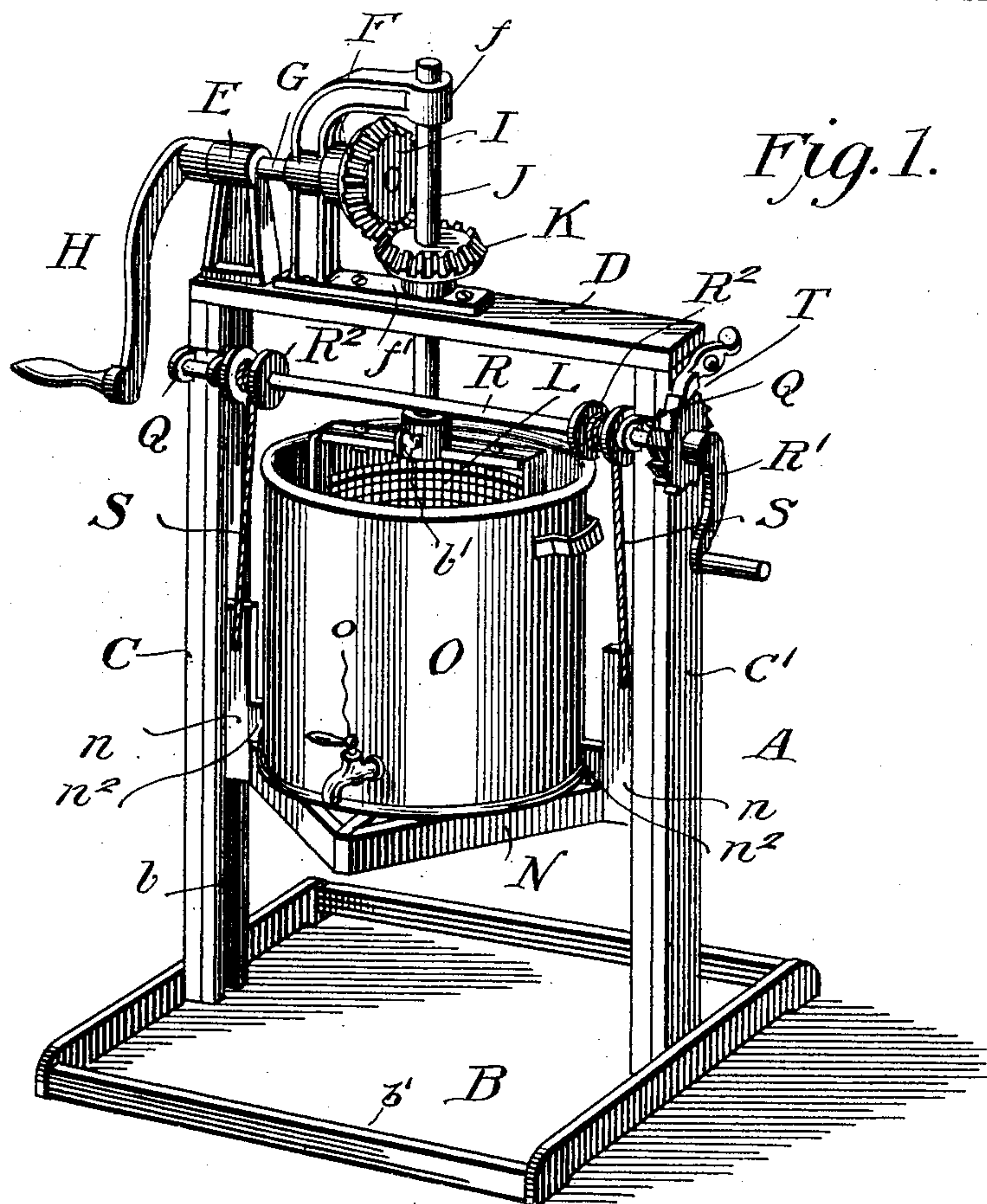
PATENTED SEPT. 27, 1904.

D. B. KENNEY.
DISH WASHER AND CHURN.

APPLICATION FILED APR. 29, 1904.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses

Geo. Ackmann.
N. H. Heringworth

Inventor
Daniel B. Kenney

By

Victoria J. Evans.
Attorney

No. 771,158.

PATENTED SEPT. 27, 1904.

D. B. KENNEY.
DISH WASHER AND CHURN.

APPLICATION FILED APR. 29, 1904.

NO MODEL.

2 SHEETS—SHEET 2.

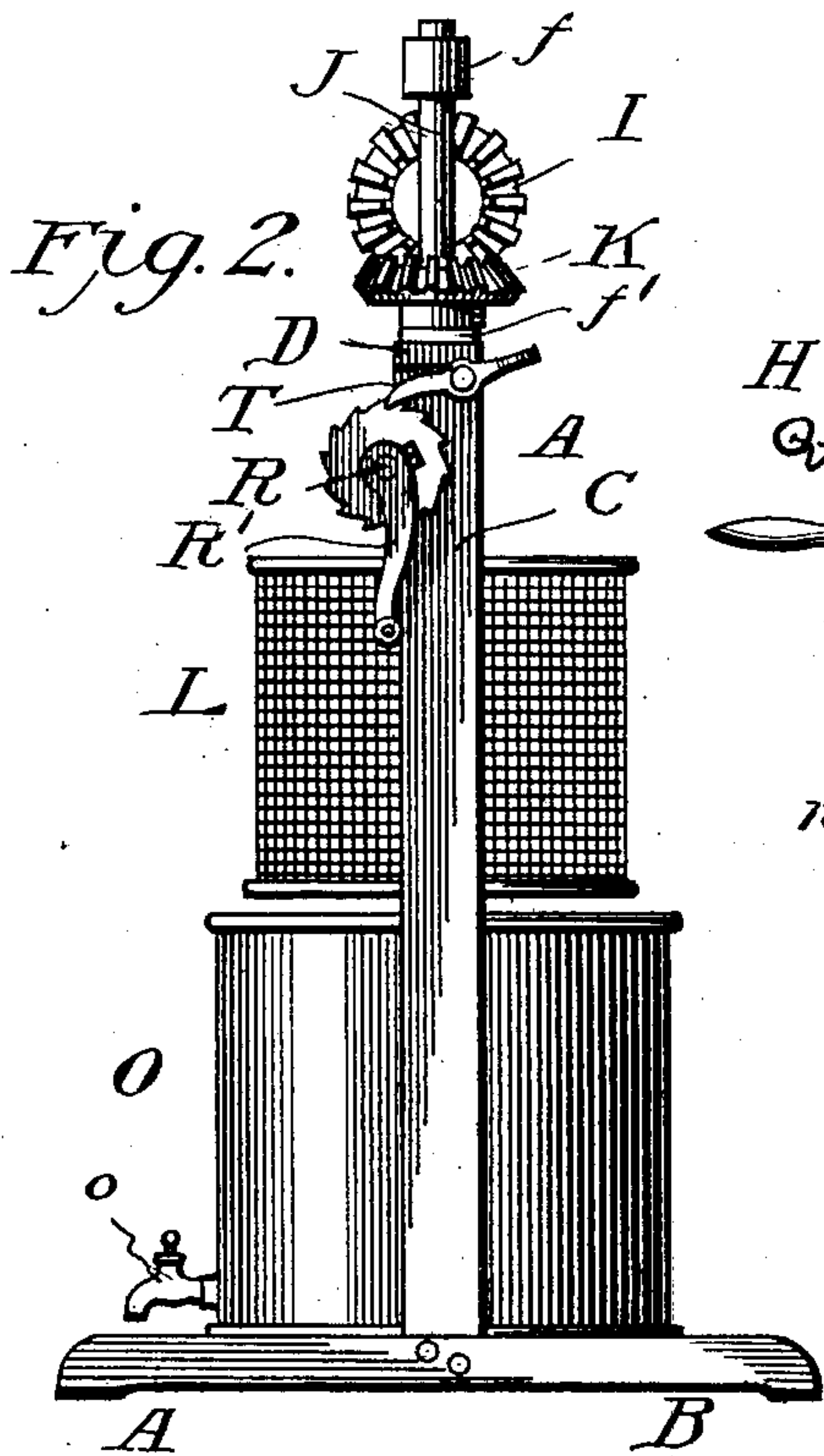


Fig. 2.

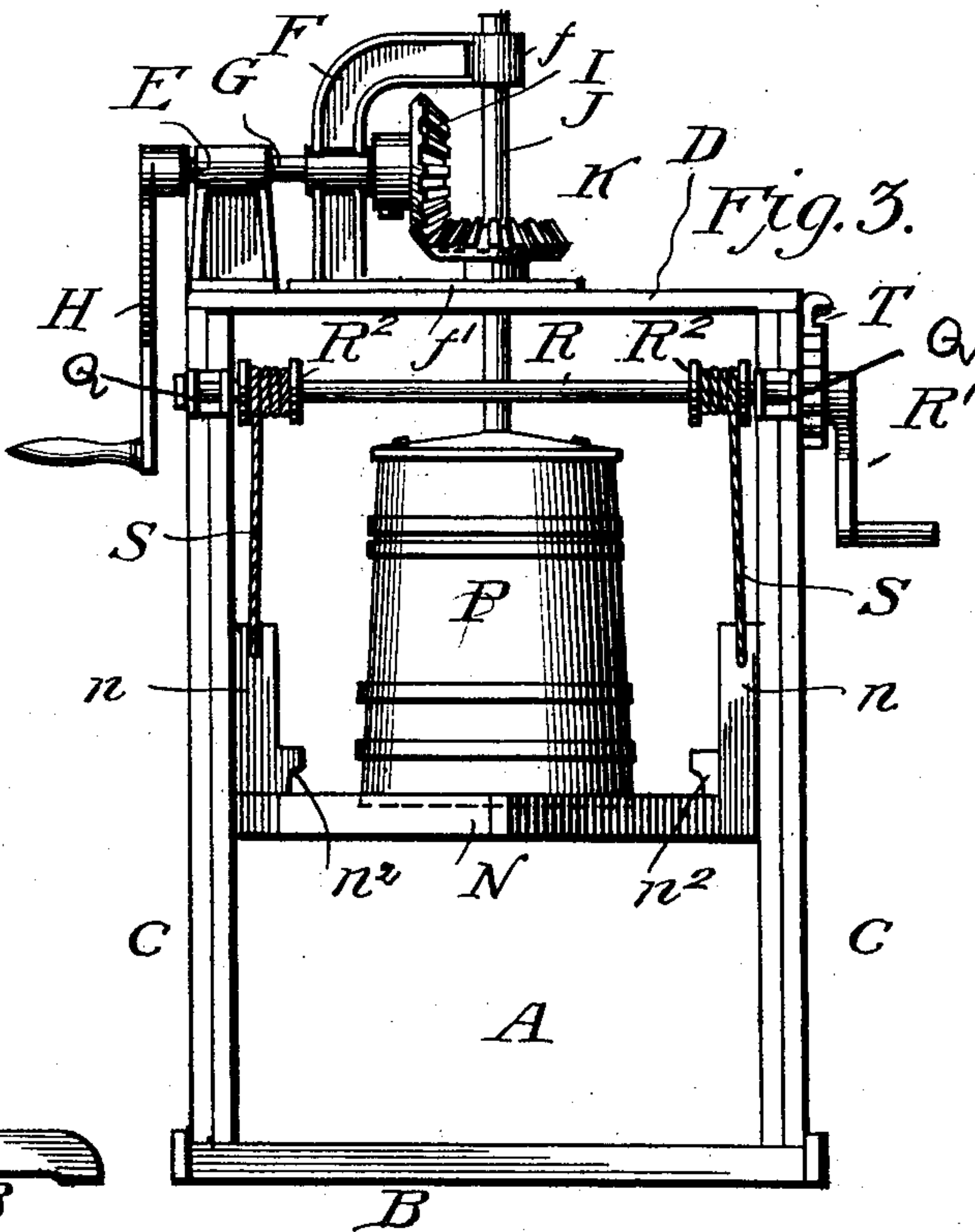


Fig. 3.

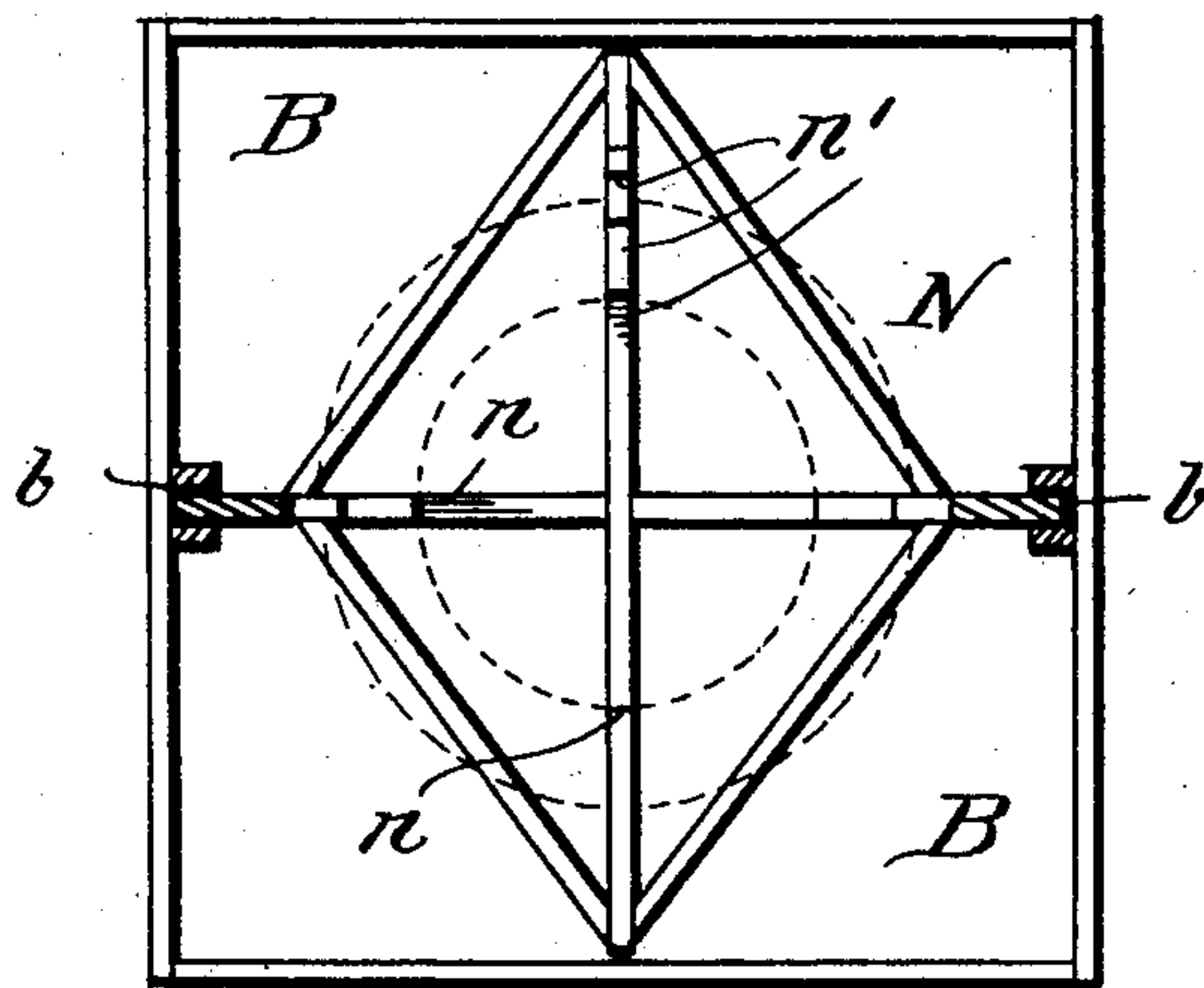


Fig. 4.

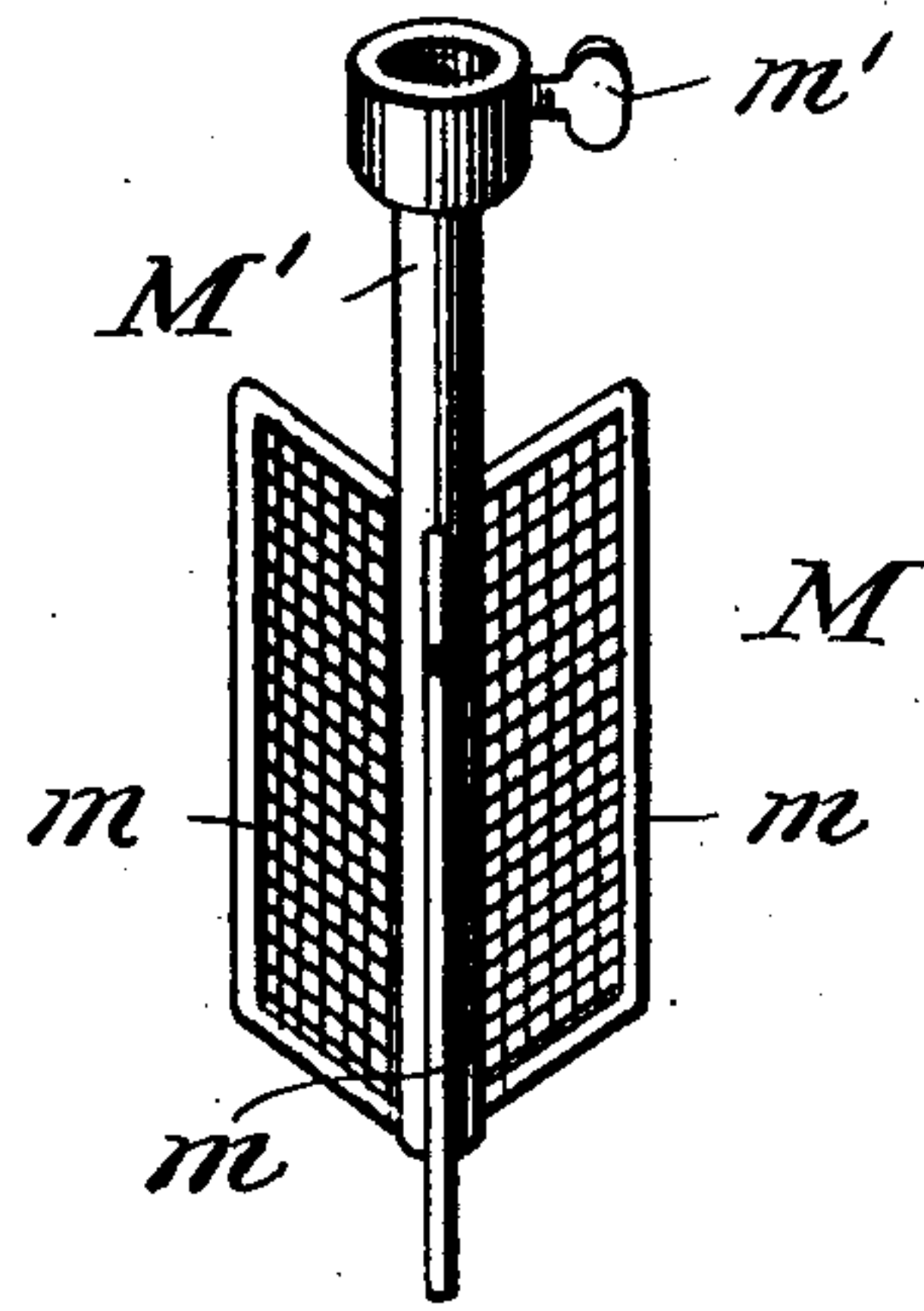


Fig. 6.

Witnesses

Geo. Ackerman
J. P. Halligan

Inventor

Daniel B. Kenney

By

Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

DANIEL B. KENNEY, OF HUNTINGTON, WEST VIRGINIA.

DISH-WASHER AND CHURN.

SPECIFICATION forming part of Letters Patent No. 771,158, dated September 27, 1904.

Application filed April 29, 1904. Serial No. 205,555. (No model.)

To all whom it may concern:

Be it known that I, DANIEL B. KENNEY, a citizen of the United States, residing at Huntington, in the county of Cabell and State of West Virginia, have invented new and useful Improvements in Dish-Washers and Churns, of which the following is a specification.

This invention relates to a combined dish-washer and churn of that type of device in which one of the elements remains stationary while another element is caused to reciprocate or revolve in connection with the fixed element.

The object of my invention is to provide a suitable frame supporting a platform and means on the frame for raising the platform on which vessels of different diameters may be placed and centered.

I further provide a suitable mechanism for rotating a vertically-placed shaft, the lower end of which is adapted to support a dish-holding basket or a churn-dasher, as desired.

In the accompanying drawings, Figure 1 is a perspective view of my invention arranged as a dish-washer in position for use. Fig. 2 is an end view of the same with the water-tank lowered. Fig. 3 is a side view of my invention set up as a churn. Fig. 4 is a plan view of the elevating-platform, the guides for the same being shown in section. Fig. 5 is a sectional view of the basket for holding the dishes to be washed. Fig. 6 is a perspective view of the churn-dasher. Fig. 7 illustrates a detail in perspective of one of the bearings. Similar letters refer to the same parts on the various figures.

The supporting-frame (indicated by A) has a base B, said base B being provided with a surrounding wall *b'*, which, in connection with said base, constitutes a drip-catching device, uprights C, and a top cross-bar D. Brackets E and F, fastened to the top bar D, have bearings for a horizontal shaft G, on one end of which is a hand-crank H. To the other end a bevel-gear I is keyed. The bracket F extends over the gear I and has a bearing *f* on its end in vertical line with a bearing on the foot-piece *f'* of the bracket. In these two bearings a shaft J is adapted to be turned

through the medium of a bevel-gear K thereon meshing with the similar gear I. The vertical shaft J passes downwardly through the top piece D for a proper distance and is finished at its end with a screw-thread or other means for attaching thereon a dish-holding basket L or churn-dasher M.

N is an elevating-platform, on which the tank O or churn-bucket P will be placed and raised into operative position. In bearings Q, bolted to the uprights C near their upper ends, is carried a horizontal shaft R, on which are fixed drums *R*², one near each end of the shaft, which can be turned by a crank *R'*. Ropes, cables, or chains S are attached to the platform N at either side and pass up to the drums *R*² and are secured thereto. When the crank *R'* is turned, the drums *R*² will wind up the ropes S and raise the platform, the latter being guided by ribs *n* thereon moving in grooves *b* on the uprights C. A pawl-and-ratchet device T holds the platform in whatever position it may be raised.

The dish-holding basket is preferably of cylindrical form, with its sides and bottom covered with wire-gauze, a construction which permits of ready entrance and exit of water to and from the basket. Arms *l*, attached to the basket L, rise above the rim thereof for a greater or less distance, to which arms are fastened a nut or other means for securing the basket to the shaft T. After the basket has been placed on the shaft it may be further secured by a thumb-bolt *l'*.

The tank O to contain hot water for washing the dishes is cylindrical in form and of somewhat greater diameter than the basket L. Water may be drawn off at the bottom of the tank through the cock *o*. The churn-dasher M is formed of a central stem *M'*, around which are grouped three equally-spaced wings or paddles *m*, preferably formed of wire-netting stretched on a frame or other perforate material. The fastening device for securing the dasher to the end of the shaft J is similar in all respects to that on the dish-holding basket. The platform N is framed, as illustrated in Fig. 4, for lightness and strength and is provided on its upper surface with stops *n'* to fit

and center various-sized vessels which may be placed thereon. The tank O, for instance, has a greater diameter than the churn P.

When using the machine as a dish-washer, 5 the platform N is lowered to the bottom and the water-tank O placed thereon under the stops n^2 , by which it is centered. The basket L, containing the dishes, will afterward be attached to the vertical shaft J and sufficient 10 water, made soapy or in condition to dissolve grease from the dishes, poured into the tank. The tank or basket will then be in the relative position represented in Fig. 2. The crank R' 15 is now turned and the platform raised until the basket containing the dishes is immersed in the water, after which by rocking the shaft G or turning the handle a few times in one direction and then reversing the motion the 20 dishes will be thoroughly washed in a very short time. The pawl-and-ratchet device T should then be disengaged and the platform and tank thereon lowered and clean hot water poured over the dishes to thoroughly rinse them, the water falling from them into the 25 tank. Now by rapidly turning the crank H the dishes will be quickly dried and ready to be put away. The same operation, so far as

raising the platform and operating the shafts G and J are concerned, is gone through with when the churn is substituted for the dish- 30 washer.

Having thus described the invention, what is claimed is—

The herein-described apparatus comprising a base, vertical standards secured to the base 35 having longitudinal grooves therein, a platform having ribs coacting with said grooves, a vessel mounted on said platform, a cross-bar on the upper ends of the standards, a shaft with a crank-arm journaled on the standards, 40 means secured to the opposite ends of the shaft and to said ribs to elevate the platform, a vertical shaft adapted to receive a reticulated dish-basket, operating means therefor mounted on said top bar, and a crank-arm se- 45 cured to said operating means whereby to rotate said shaft, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

DANIEL B. KENNEY.

Witnesses:

JOS. E. RODER,
MORGAN BAKER.