

(No Model.)

J. A. PAPOT.
CHURN.

No. 485,749.

Patented Nov. 8, 1892.

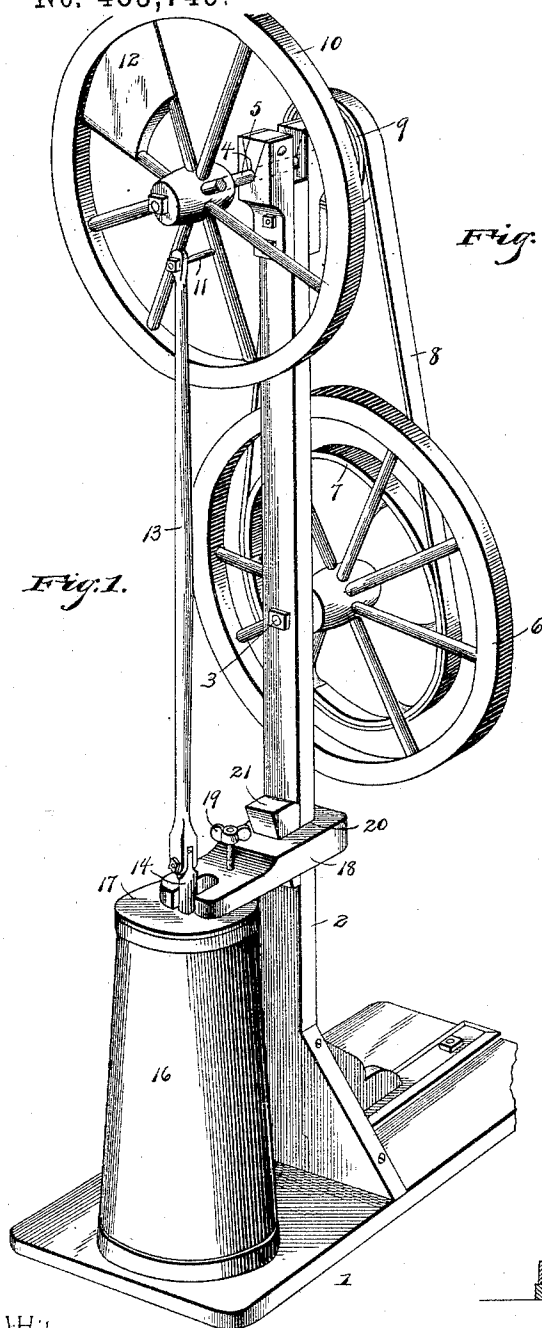
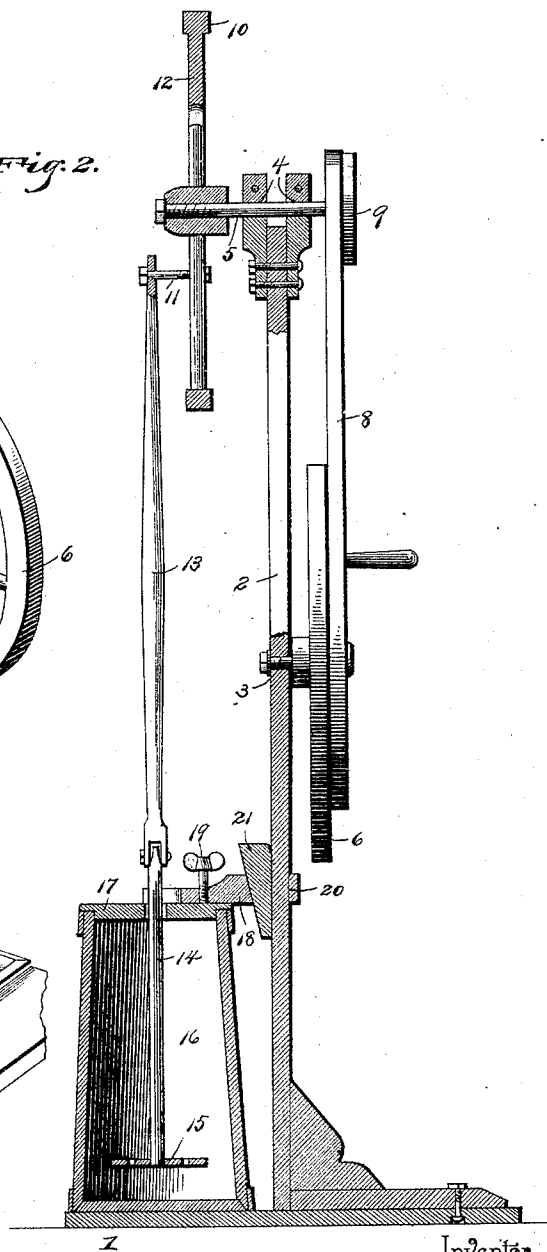


Fig. 1.

Fig. 2.



Witnesses

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Inventor
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JAMES A. PAPOT, OF BAKER'S MILL, FLORIDA.

CHURN.

SPECIFICATION forming part of Letters Patent No. 485,749, dated November 8, 1892.

Application filed July 7, 1892. Serial No. 439,284. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. PAPOT, a citizen of the United States, residing at Baker's Mill, in the county of Hamilton and State of Florida, have invented a new and useful Improvement in Churns, of which the following is a specification.

The invention relates to improvements in churns.

The object of the present invention is to provide a simple and inexpensive and easily-running churn which may be readily operated and which may be readily adjusted to clamp and release a churn-body and enable the cover of the latter to be removed and replaced.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a churn constructed in accordance with this invention. Fig. 2 is a vertical longitudinal sectional view.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a rectangular base from which rises a vertical standard 2, having a stub-shaft 3 secured to it at a point intermediate of its ends and provided at its upper end with bearings 4, receiving a shaft 5. A drive-wheel 6 is mounted on the stub-shaft and is provided on its outer face with a pulley band or ring 7, on which is arranged a belt 8, which is also arranged on a pulley 9, arranged at one end of the shaft 5 and fixed thereon, whereby the shaft 5 is driven by the wheel 6. The other end of the shaft 5 carries a crank-wheel 10, which is provided opposite the wrist-pin 11 with a weighted portion 12, whereby the crank-wheel is adapted to operate as a balance-wheel and counterbalances the pitman 13, a dasher-rod 14, and a dasher 15, thereby making the churn operate easily. The crank-wheel 10 is arranged at one side of the standard and the drive-wheel 6 is located on the opposite side, thereby balancing each other and facilitating easy running. The

dasher 15 is arranged with a churn-body 16 and is vertically reciprocated by the pitman 13. The churn-body is provided with a cover 17, having a central opening to receive the dasher-rod and secured on the churn-body by a horizontal arm 18, extending from the standard and provided with a clamping-screw 19, which is arranged vertically and is adapted to engage the cover. The horizontal arm 18 is adjustably mounted on the standard and is provided at its inner end with a rectangular opening 20, receiving the standard, and a wedge 21, which binds against the arm and the standard and secures the former at any desired adjustment to suit the height of the churn-body employed. This construction enables the cover to be readily removed from the churn-body and to be secured thereon, when desired.

It will be seen that the churn is simple and comparatively inexpensive in construction, that it is easily operated and light in running, and that its clamping mechanism for securing the cover in place on the churn-body may be readily adjusted on the standard to suit the height of the churn-body employed.

The outer end of the horizontal arm 18 is bifurcated to receive the dasher-rod, and it extends on opposite sides of the opening of the cover.

What I claim is—

In a churn, the combination of a base, a standard rising therefrom, a churn-body supported on the base and having a cover provided with an opening to receive a dasher-rod, an arm extending horizontally from the standard and provided at its inner end with an opening to receive the same and having at its outer end a vertically-disposed clamping-screw engaging the cover, and a wedge arranged in the opening of the horizontal arm and securing the latter in its adjustment, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

J. A. PAPOT.

Witnesses:

R. H. HUNTER,
T. H. SANES.