

(No Model.)

F. J. V. LE CAND.
BARREL FOLLOWER.

No. 532,794.

Patented Jan. 22, 1895.

Fig. 1.

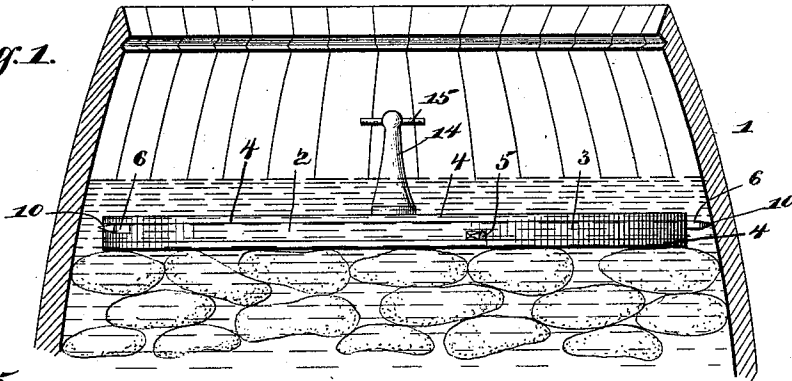


Fig. 5.

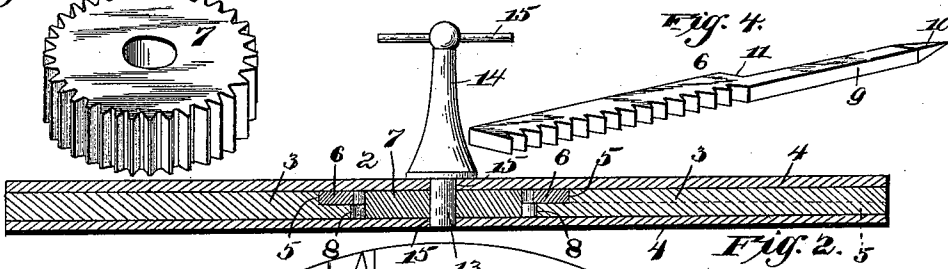
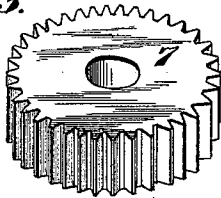
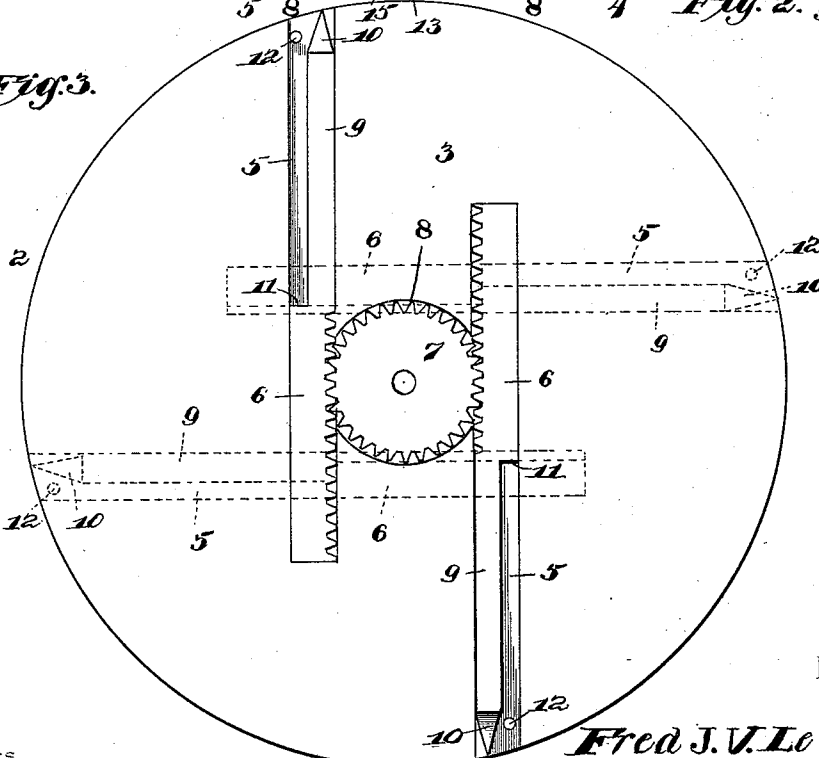


Fig. 3.



Inventor

Witnesses

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UNITED STATES PATENT OFFICE.

FRED J. V. LE CAND, OF NATCHEZ, MISSISSIPPI, ASSIGNOR TO FREDERICK B. POSTLETHWAITE, OF SAME PLACE.

BARREL-FOLLOWER.

SPECIFICATION forming part of Letters Patent No. 532,794, dated January 22, 1895.

Application filed May 10, 1894. Serial No. 510,782. (No model.)

To all whom it may concern:

Be it known that I, FRED J. V. LE CAND, a citizen of the United States, residing at Natchez, in the county of Adams and State of Mississippi, have invented a new and useful Barrel-Follower, of which the following is a specification.

This invention relates to barrel followers; and it has for its object to effect certain improvements in that class of followers that are adapted to be employed within a barrel, tub, or keg, in addition to the usual cover or top, for the purpose of keeping the articles contained within such receptacles below the fluid therein.

To this end the main and primary object of the present invention is to provide an improved follower of this character that shall have simple and efficient means to provide for readily adjusting the same within the barrel or other receptacles to hold the articles under the brine or other fluid that may be therein.

With these and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the accompanying drawings:—Figure 1 is a sectional view of a barrel showing the herein-described follower arranged in position therein. Fig. 2 is an enlarged vertical sectional view of the follower. Fig. 3 is a plan view thereof with one of the sections or cap plates of the follower head removed. Fig. 4 is a detail in perspective of one of the adjustable clamp rack bars. Fig. 5 is a detail in perspective of the adjusting pinion separated from the turning handle post.

Referring to the accompanying drawings, 1 designates a barrel of ordinary construction, such as is usually employed for containing articles that are to be kept under brine, and said barrel is adapted to accommodate therein the vertically adjustable follower head 2. The follower head 2, is circular in shape and of a diameter that permits the same to be readily moved up and down within the barrel according to the quantity of the particular article that is contained therein, and is to be kept submerged under the brine or other solution.

The follower head 2, may be of either wood or metal, but in the event of being made of metal should be of galvanized iron or some other metal that will not rust or affect the articles that are pressed down, and said follower head is laminated and usually consists of an intermediate solid portion 3, that is capped at the top and bottom by the cap plates 4, as clearly shown in the drawings, such construction of the head being the most convenient for the arrangement for the clamping devices to be described.

The follower head 2, is provided in the solid portion 3 thereof with the superposed pairs of guide grooves or ways 5, that are arranged at direct right angles to each other and are inclosed in by the cap plates 4, of the head. The guide grooves or ways 5, of each pair are arranged parallel with each other and extend in opposite directions, one opening at one end at one side of the periphery of the head, and the other opening at its correspondingly opposite end at the directly opposite side of the periphery of the head, the inner ends of all the guide grooves or ways terminating short of one side of the periphery of the head. The guide grooves or ways of each superposed pair are adapted to loosely accommodate therein the adjustable clamp rack bars 6, the toothed or cogged edges of which are disposed inwardly toward the center of the follower head and are adapted to mesh with the central adjusting pinion 7, that is mounted to rotate in the central recess 8, formed centrally within the follower head for the reception of said pinion. Owing to the arrangement of the guide grooves or ways, it is to be observed that the follower head accommodates two pairs of clamp rack bars, the bars of one pair being disposed at direct right angles to the bars of the other pair, but the bars of the same pair are disposed parallel to each other and are adapted to be adjusted in opposite directions, so that by adjusting the pinion 7, in one direction, all of the bars of both pairs are adjusted outwardly, while a reverse adjustment of the pinion will adjust the bars inwardly.

The clamp rack bars 6, are each provided at their outer ends with the integral prong arms 9, that work through and beyond the outer open ends of the guide grooves or ways,

and are adapted to have the pointed extremities 10, thereof, engage in the sides of the barrel in order to hold the follower head rigidly in its adjusted position, and at the inner ends 5 of the prong arm extensions 9, are formed the stop shoulders 11 that are adapted to engage against the pins 12, located within the guide grooves or ways 5, near their outer open ends to limit the outward projection of the prong 10 ends of the rack bars.

The adjusting pinion 7, is mounted fast on the lower spindle extremity 13, of the handle post 14, said spindle extremity turning in bearing openings 15, in the cap plates of the 15 follower head, and said handle post extends above the follower head and is provided at its upper end with the right angularly disposed handle bar 15, that provides for conveniently grasping the handle post in order 20 to turn the same and effect the proper adjustment of the clamp rack bars.

It will be obvious that the specific arrangement of clamp bars described admits of the use of four of such bars to be operated by 25 the use of a single pinion, but it will be understood that only two or any other convenient number, excepting the four described, may be employed, and that the rack bars and pinion, as well as the follower head itself may 30 be of either wood or metal, so it will therefore

be understood that changes in the form, proportion and the minor details of construction, may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is— 35

In a barrel follower, the follower head having inclosed parallel guide grooves or ways 40 oppositely disposed, and having one end leading out to the periphery of the head stop pins arranged in said grooves or ways near their outer open ends, clamp rack bars mounted to slide in said guide grooves or ways and having 45 pointed prong arms adapted to be projected beyond the periphery of the head, and stop shoulders to engage against said pins, and a turning adjusting pinion mounted within the follower head between the guide 50 grooves or ways and meshing with said rack bars, substantially as set forth.

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

FRED J. V. LE CAND.

Witnesses:

NAP LISSO,

LOUIS H. LAWRENCE.