(No Model.)

F. L. GORDON.

BARREL MAKING MACHINERY.

No. 454,954. Patented June 30, 1891.

Fig. 1.

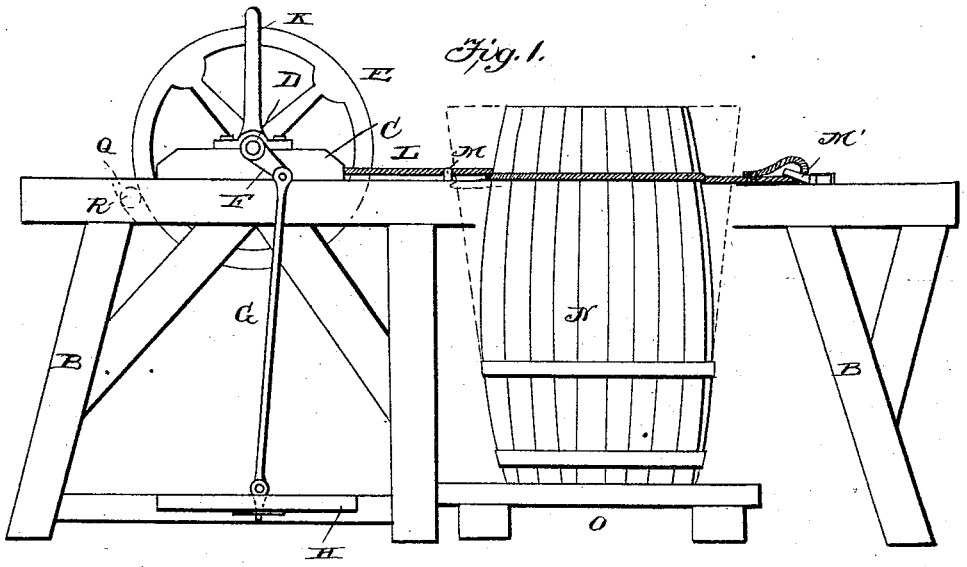


Fig. 2.

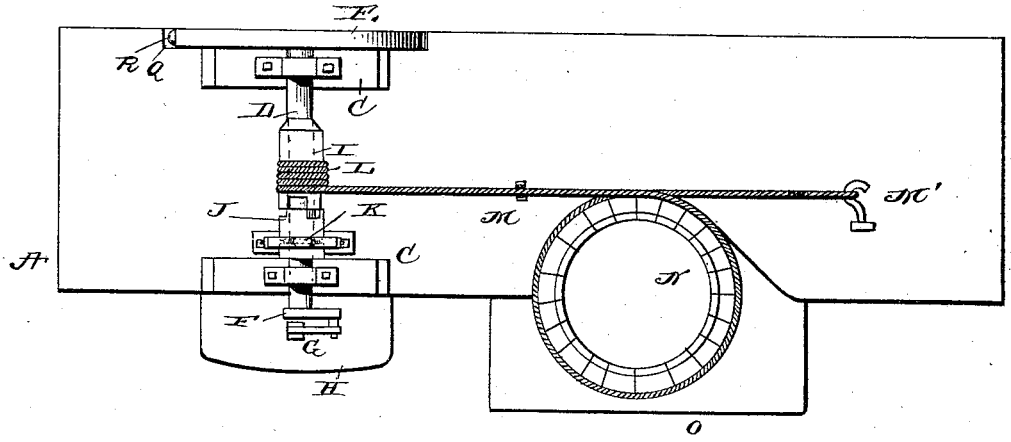
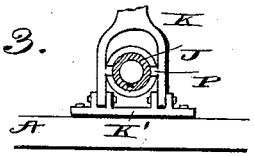


Fig. 3.



Witnesses

John Donnie

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UNITED STATES PATENT OFFICE.

FRANK L. GORDON, OF NEW ORLEANS, LOUISIANA.

BARREL-MAKING MACHINERY.

SPECIFICATION forming part of Letters Patent No. 454,954, dated June 30, 1891.

Application filed October 20, 1890. Serial No. 368,763. (No model.)

To all whom it may concern:

Be it known that I, FRANK L. GORDON, of New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Barrel-Making Machinery; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to barrel-making machinery; and its objects are, first, to attain readily the automatic shaping of the top of the barrel; second, to engage and disengage the operative mechanism instantly; third, to obviate automatically the reverse movement of the fly-wheel; fourth, to adapt the parts to each other so as to produce a durable adjustment, and, fifth, to accomplish these ends with structural simplicity and economy. I attain these ends by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of my invention. Fig. 2 is a plan view of the same. Fig. 3 is a detail view of the shifting-lever and connections.

The same designations indicate corresponding parts in all the views.

A suitable work-table A, mounted on legs B, has journal-bearings C attached thereto. A shaft D is adjusted in said bearings, forwardly connected with the treadle H by rod G and crank F. A fly-wheel E is located on the rear part of said shaft, revolving in contact with a friction-roller Q, held in a tapering socket R, which serves instantly to lock said wheel upon reverse motion. The shaft D has attached thereto a clutch J, oscillated by a lever K, fulcrumed on a plate K′, attached to the table A, that serves to cause a sliding motion of said clutch (by reason of the lugs P fitting recesses therein) on the shaft D, whereby it alternately engages and disengages the idler I. A rope L is wound on the idler I and is guided by the roller M to the location M′, where it is secured to the table by looping over a hook M′, leaving the central loop to encircle the head of the barrel N disposed on the stand O. It will be understood that this loop tightens about the barrel-head upon starting the treadle and engaging the idler.

Having thus fully described my improvements, what I claim is—

In barrel-making machinery, the frame consisting of a stand O to support the barrel, the table A, having hook M′, whereto one end of the rope L is secured, and the shaft D, suitably mounted and impelled, having terminally a fly-wheel E, locking instantaneously upon reverse motion, in combination with the rope L, the inner end whereof is wound upon the idler I, concentrically adjusted on said shaft, the idler I engaging the clutch J upon contact, and the lever K for making and breaking such contact, for the purpose set forth.

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

FRANK L. GORDON.

Witnesses:
JNO. J. WARD,
JOHN MILLER.