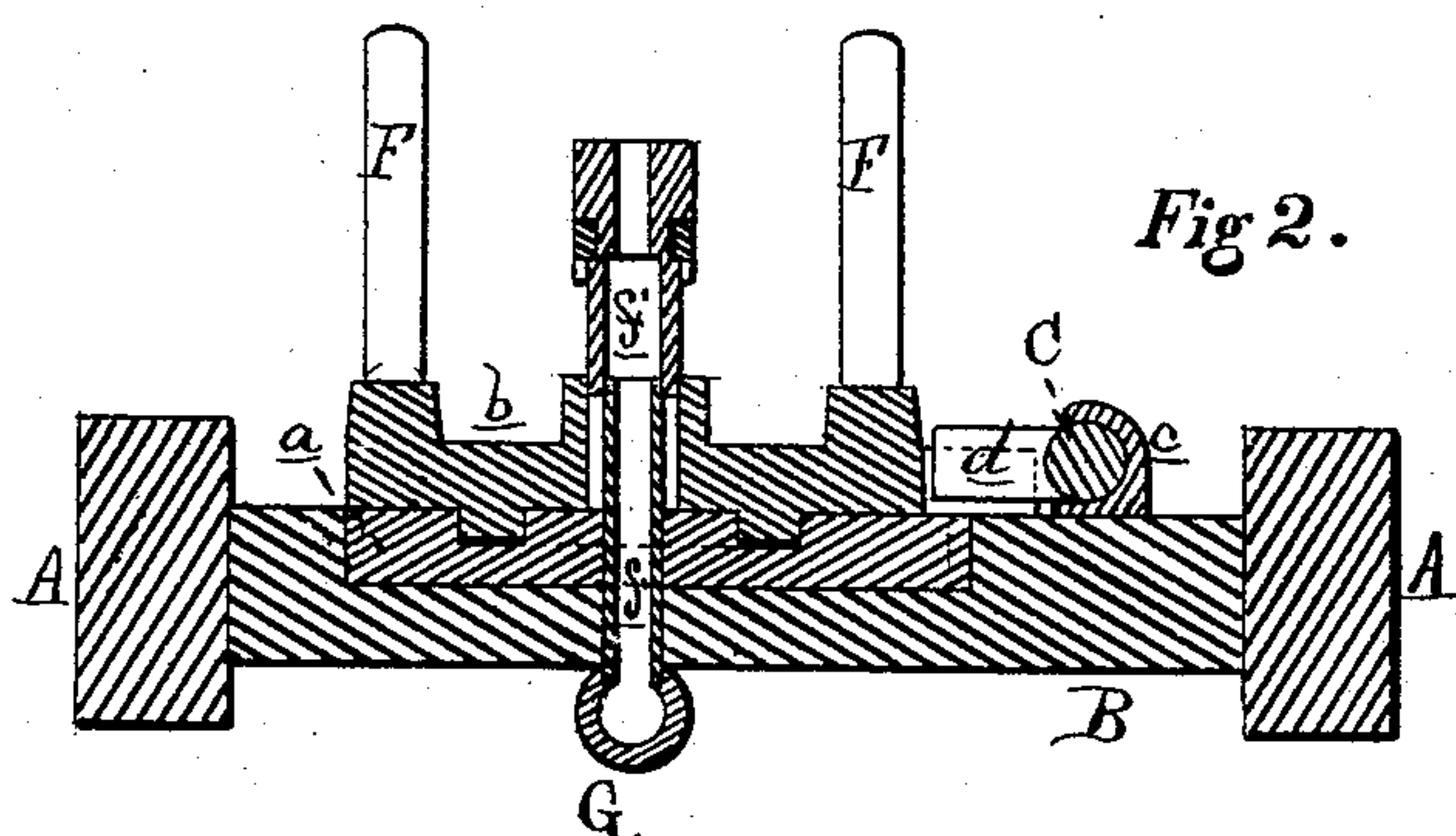
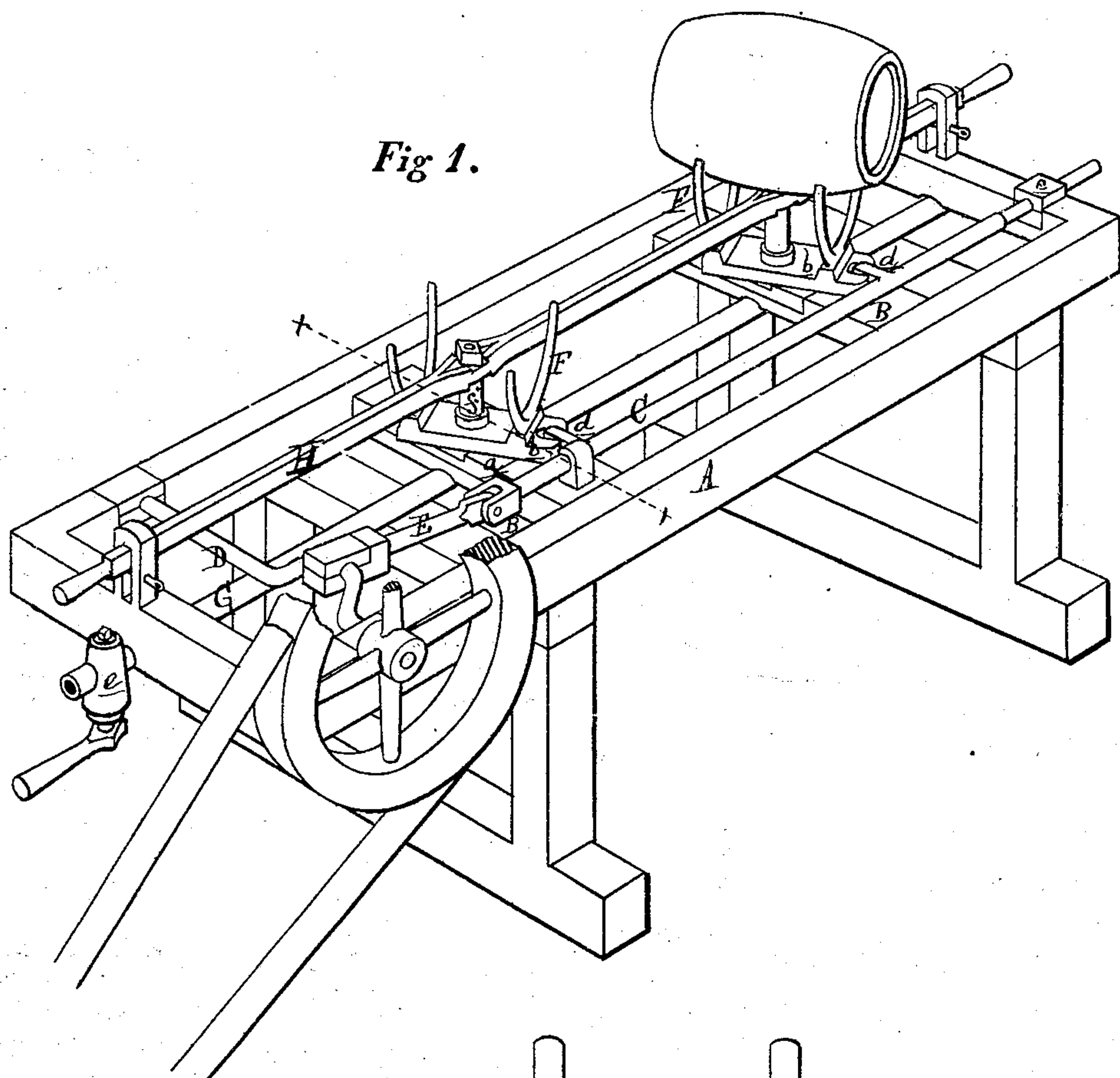


L. LANGGUTH.
Washing Barrels and Kegs.

No. 147,232.

Patented Feb. 3, 1874.



ATTEST:
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UNITED STATES PATENT OFFICE.

LOUIS LANGGUTH, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN WASHING BARRELS AND KEGS.

Specification forming part of Letters Patent No. 147,232, dated February 3, 1874; application filed January 7, 1874.

To all whom it may concern:

Be it known that I, LOUIS LANGGUTH, of Chicago, in the county of Cook and State of Illinois, have invented an Improvement in Machines for Washing Barrels and Kegs, of which the following is a specification:

This invention has for its object to provide a machine by means of which ale-barrels, wine-casks, and beer-kegs may be rapidly and thoroughly washed inside; and it consists in a frame having a number of barrel-racks pivoted to its bed, to which racks an oscillating motion is imparted, while at the same time a stream of water is forced up into each barrel through the bung-hole from a branched pipe extending along the center of the bed, the said branches being provided with telescopic bung-nozzles, as more fully hereinafter set forth.

Figure 1 is a perspective view. Fig. 2 is a cross-section at *x x*.

In the drawing, A represents a frame, which may be of such length as to contain any desired number of barrels, with girts, B, crossing it at intervals, on each of which is a plate, *a*, having a segment-groove to receive the segmental tongues on the under side of a plate, *b*, oscillating thereon. At one side of the frame a rod, C, is reciprocated in bearings *c* through a cranked shaft, D, journaled across one end of the machine, and a connecting-rod, E, the former being driven by a belt passing around its pulley. On the rod C a projecting lug or tappet, *d*, opposite each plate engages with a slot in the end of the latter, and thus oscillates it in the reciprocation of said rod. On each plate *a* is a cradle-rack, F, to receive the barrel to be washed. G is a water-pipe extending

under the frame its full length, is closed at one end, and connects with the hydrant or service-pipe of the establishment at the other, a cock, *e*, being provided to shut off the water and regulate its flow. Under each rack a vertical branch, *f*, extends up through the plate *b* and bearing *d*, and on its upper part is sleeved a telescopic nozzle, *f'*, which, with the others, may be raised and forced into the bung-hole of the barrel (placed bung down on the rack) by a lever, H, yoked around an annular groove in each nozzle, so that a stream of water can thus be projected into each barrel, while the oscillation of the barrel subjects every part of its interior to the cleansing action of the water. If the nozzles be lowered while the water is still running, before shutting it off, the corks or bungs which are usually driven into beer barrels and kegs will be carried out by the out-flowing current.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The cask-cradles F, oscillated by the reciprocating rod C and tappets *d*, in combination with the water-pipe G and suitable nozzles for injecting water into each barrel while oscillating, as shown and set forth.

2. The combination, with the oscillating cradles F and pipe G, of the branches *f*, each provided with a telescopic nozzle, *f'*, and the lever H, for raising and lowering the same, as shown and set forth.

LOUIS LANGGUTH.

Witnesses:

WM. H. LOTZ,
ABRAHAM GOTTLIEB.