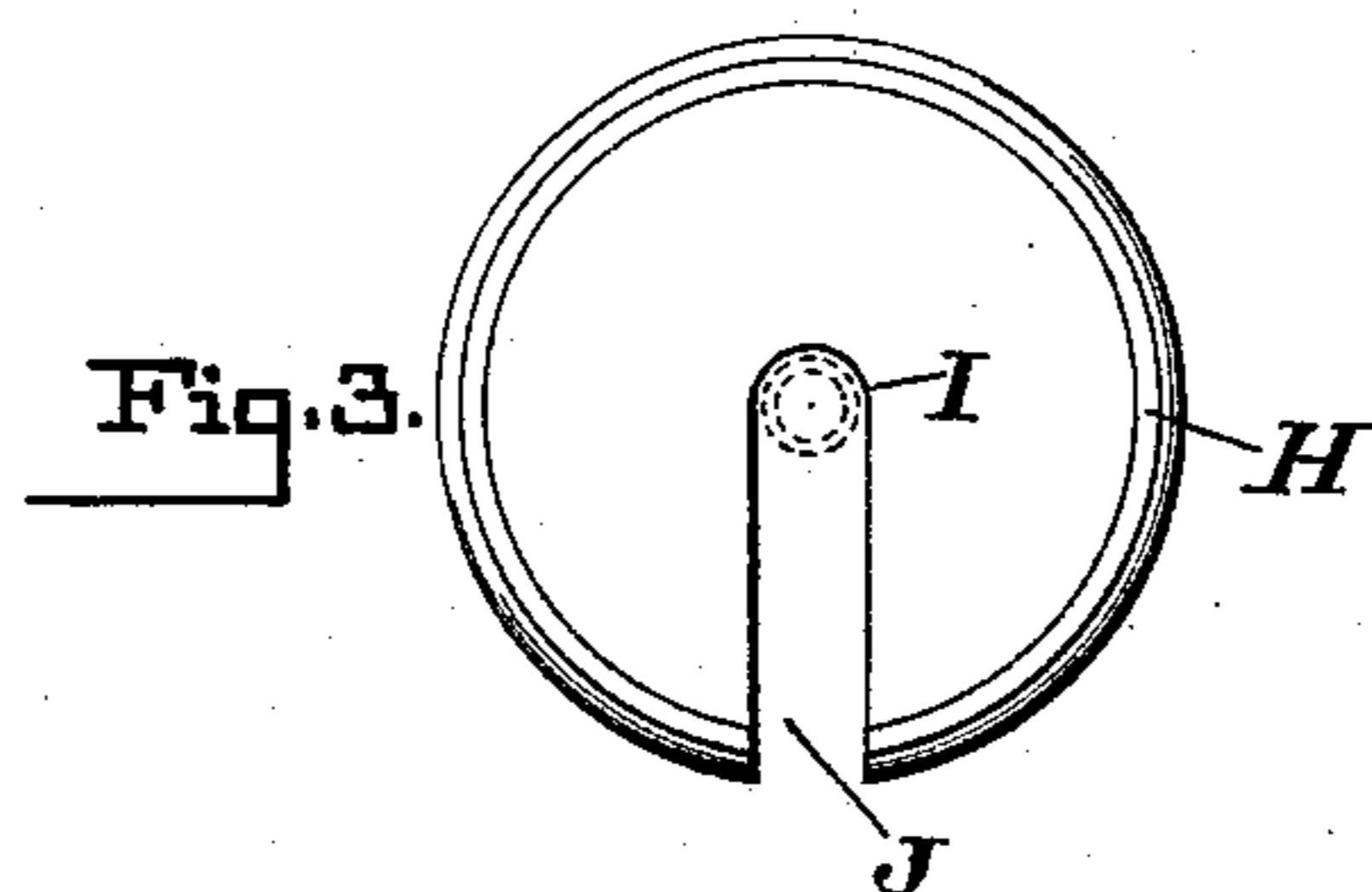
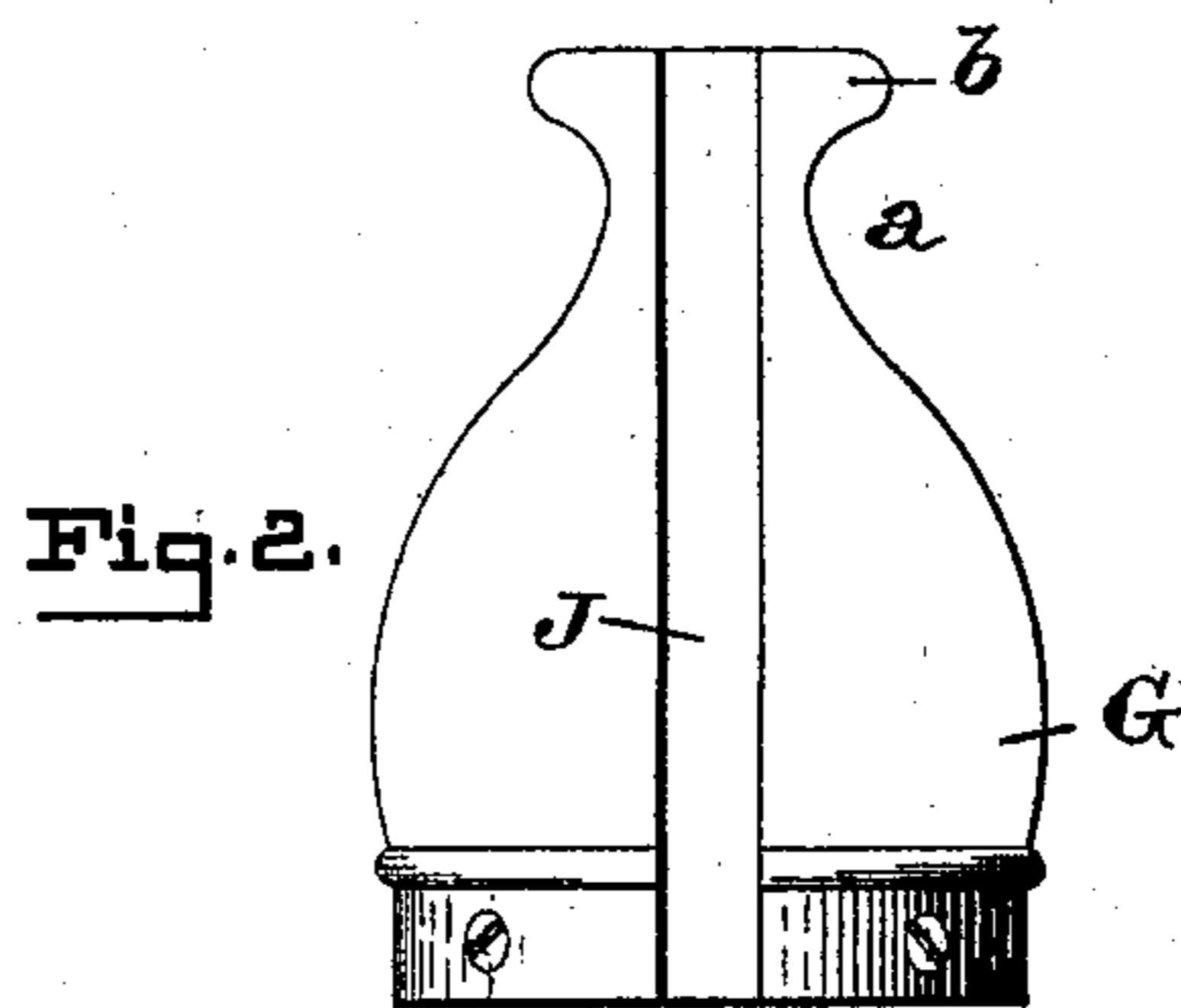
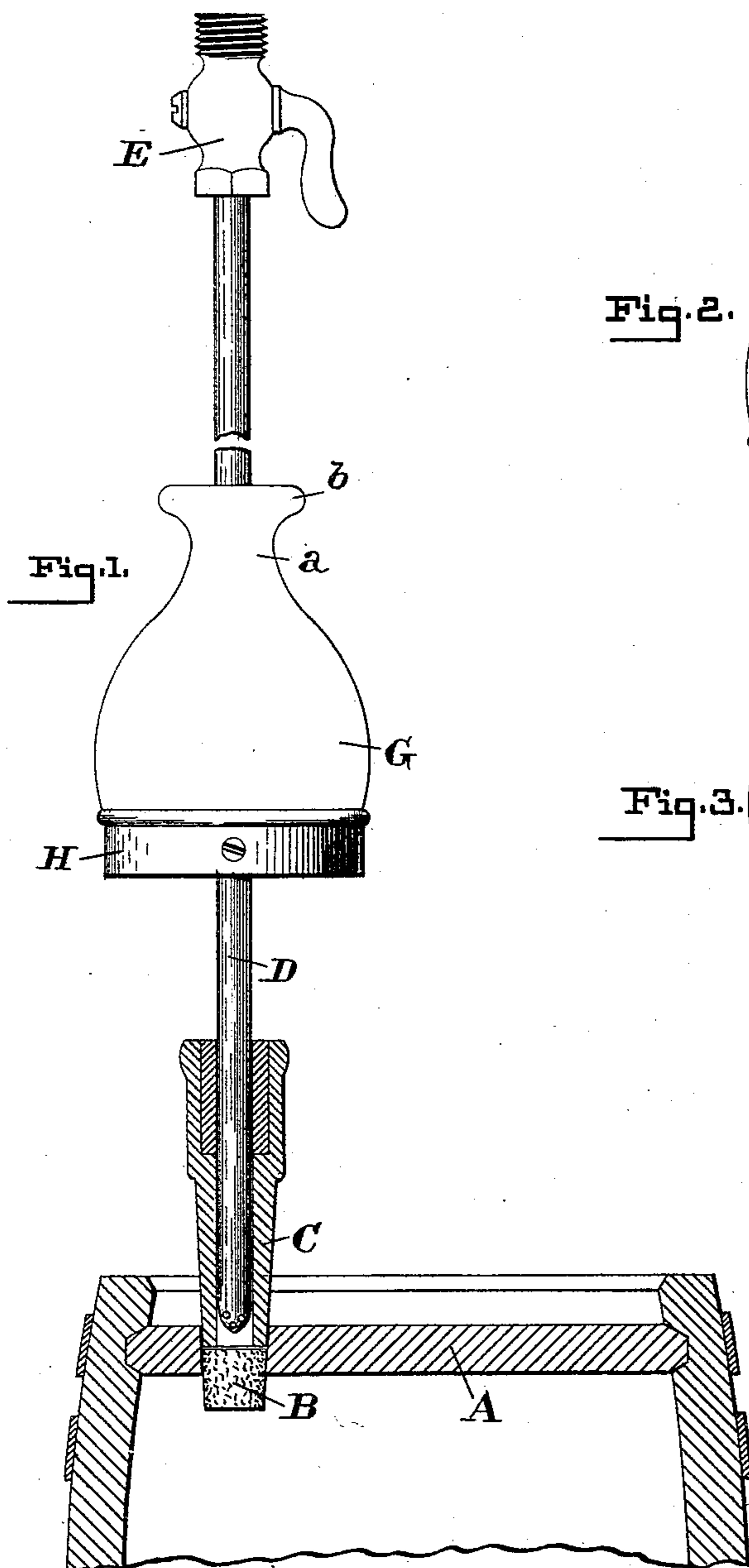


(No Model.)

J. KRATZ.
MALLET.

No. 492,608.

Patented Feb. 28, 1893.



WITNESSES:—

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INVENTOR:—

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Atty

UNITED STATES PATENT OFFICE.

JOHN KRATZ, OF BALTIMORE, MARYLAND.

MALLET.

SPECIFICATION forming part of Letters Patent No. 492,608, dated February 28, 1893.

Application filed June 7, 1892. Serial No. 435,826. (No model.)

To all whom it may concern:

Be it known that I, JOHN KRATZ, a citizen of the United States, residing at Baltimore city, in the State of Maryland, have invented certain new and useful Improvements in Mal-

5 lets, of which the following is a specification. This invention relates to an improved mallet for driving bungs into beer-kegs, and the object is to expedite the operation of intro-
10 ducing the drawing-off tube. By the old method a bung with a cork closing its bore was driven in the bung-hole forcing the stopper before it into the keg, and then the tube through which the beer is drawn off, run
15 through the bung pushing the cork therein before it into the keg. The objections to this method are that in driving in the bung with an ordinary hammer or mallet, it will frequently be struck on the side which will cause
20 it to go in crooked, and make a bad joint with the keg; also a cork is necessary to prevent the escape of the beer through the bung before the drawing-off tube is inserted. I overcome these objections by the use of a spe-
25 cially constructed mallet whereby the bung may be driven in while the drawing-off tube is fitted through it.

The invention is illustrated in the accompanying drawings, in which,—

30 Figure 1 shows a section view of the end or head of a beer-keg, a stopper in the bung-hole thereof, the bung (in section), the drawing-off tube fitting the bore of same, and my improved mallet,—these parts being in the positions
35 they occupy as the bung is commenced to be driven in by said mallet. Fig. 2 shows a side view of the mallet; and Fig. 3, a bottom view of the same.

40 The letter, A, designates the head of a beer-keg; B, a stopper which fills the bung-hole in said head; C, a bung-bushing which is to take the place of the said stopper and which has a bore through it; D, a tube which fits said bore and extends to the bottom of the keg to draw
45 off the beer; and, E, a suitable faucet on the outer end of said drawing-off tube.

50 The usual method of inserting the drawing-off tube has been to set the hollow bung, C,—before the tube is fitted through it,—against the stopper, B, and drive it in with a suitable implement such as an ordinary hammer or mallet, thereby pushing out the stopper be-

fore it into the keg. A cork is inserted in the bore of the said bung to prevent the beer flow-
ing out before the tube is inserted. After the
55 bung has been driven tightly in, the drawing-off tube, D, is run through the bung pushing the cork out before it.

By my method I place the hollow bung, C, with the drawing-off tube, D, fitting its bore, 60 against the stopper, B, and employ a mallet having a special construction whereby the bung may be driven in while the tube remains in said bung. This mallet comprises a circular block, G, of wood or other suitable mate-
65 rial having a flat base and bound around the outside by a metallic band, H, to prevent it from splitting. The upper part of the block is rounded off and tapered to a narrow neck, a, above which is an enlarged head b. This
70 shape adapts the mallet to the hand so that it may be grasped around the narrow neck with the thumb and fore-finger, while the remainder of the hand bears on the rounding portion of the block. The enlarged head pre-
75 vents the mallet slipping from the grasp.

The mallet-block has a central longitudinal bore, I, through it, and a radial slot, J, ex-
80 tends from said bore out of the block and the full length of the latter.

A mallet having the construction above de-
scribed is fitted around the drawing-off tube, the latter entering through the radial slot, J, into the bore, I. Now the mallet may be re-
85 ciprocated on the said tube to drive in the bung-bushing, and the tube forms a central guide for said mallet, which insures that it will always strike the bung squarely and drive it in straight.

It will be seen that with my arrangement 90 the necessity of a cork in the bore of the bung is obviated, as the bung and drawing-off tube are inserted together, with the latter fitting in the former.

My improved mallet is simple and strong 95 and may be very expeditiously employed.

The radial slot, J, merely facilitates the ap-
plication of the mallet to the tube, D, so that the bore, I, may fit on the tube. The inven-
100 tion is not limited to a mallet having such a slot, however, as any other means which will enable the mallet with its central bore to be put on the tube, is within the principle of my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A mallet comprising a block having a
5 bore through its center and a radial slot extending from said bore to the outside of said block and the length of the same.
2. A mallet device for driving bung-bushings into beer-kegs, having in combination a
10 bung-bushing; a drawing-off tube fitted to the

said bung-bushing; and a mallet having a central bore to receive the said tube and reciprocate thereon and strike the bung-bushing.

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

JOHN KRATZ.

Witnesses:

F. PARKER DAVIS,
JNO. T. MADDOX.