

No. 674,133.

Patented May 14, 1901.

J. CATHRINER.
BUNG EXTRACTOR.

(Application filed Mar. 15, 1901.)

(No Model.)

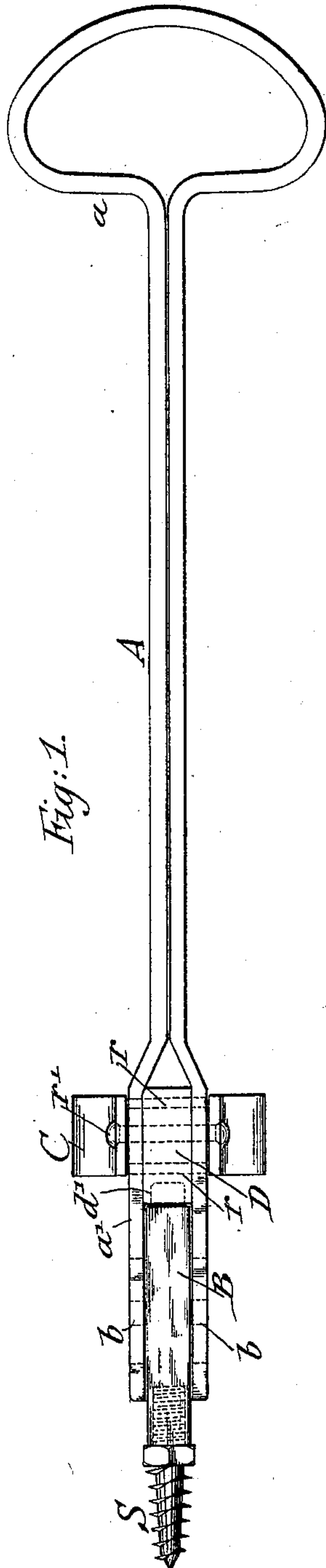


Fig. 1.

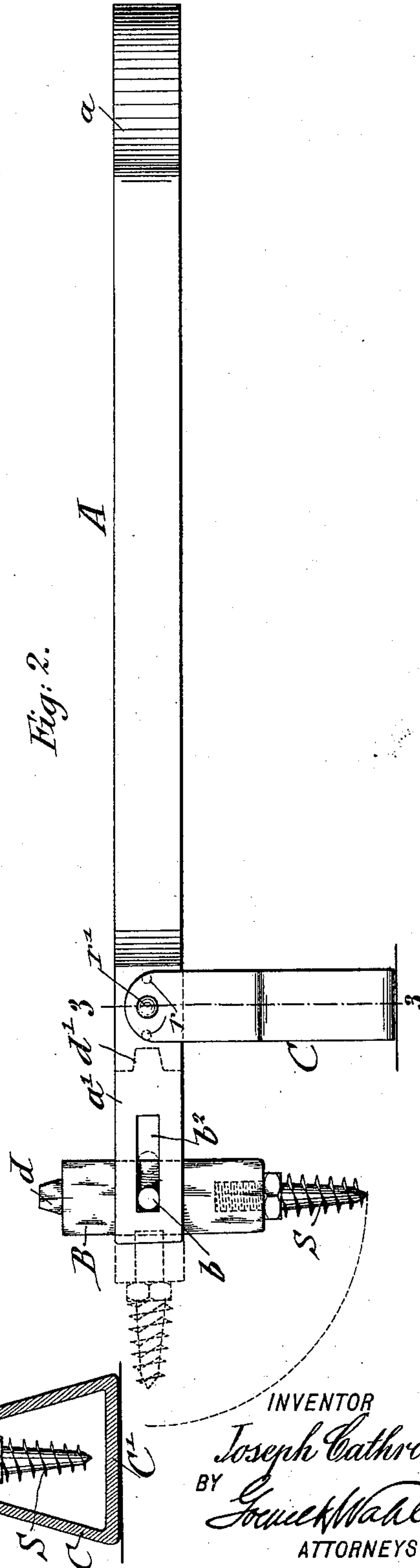


Fig. 2.

WITNESSES:
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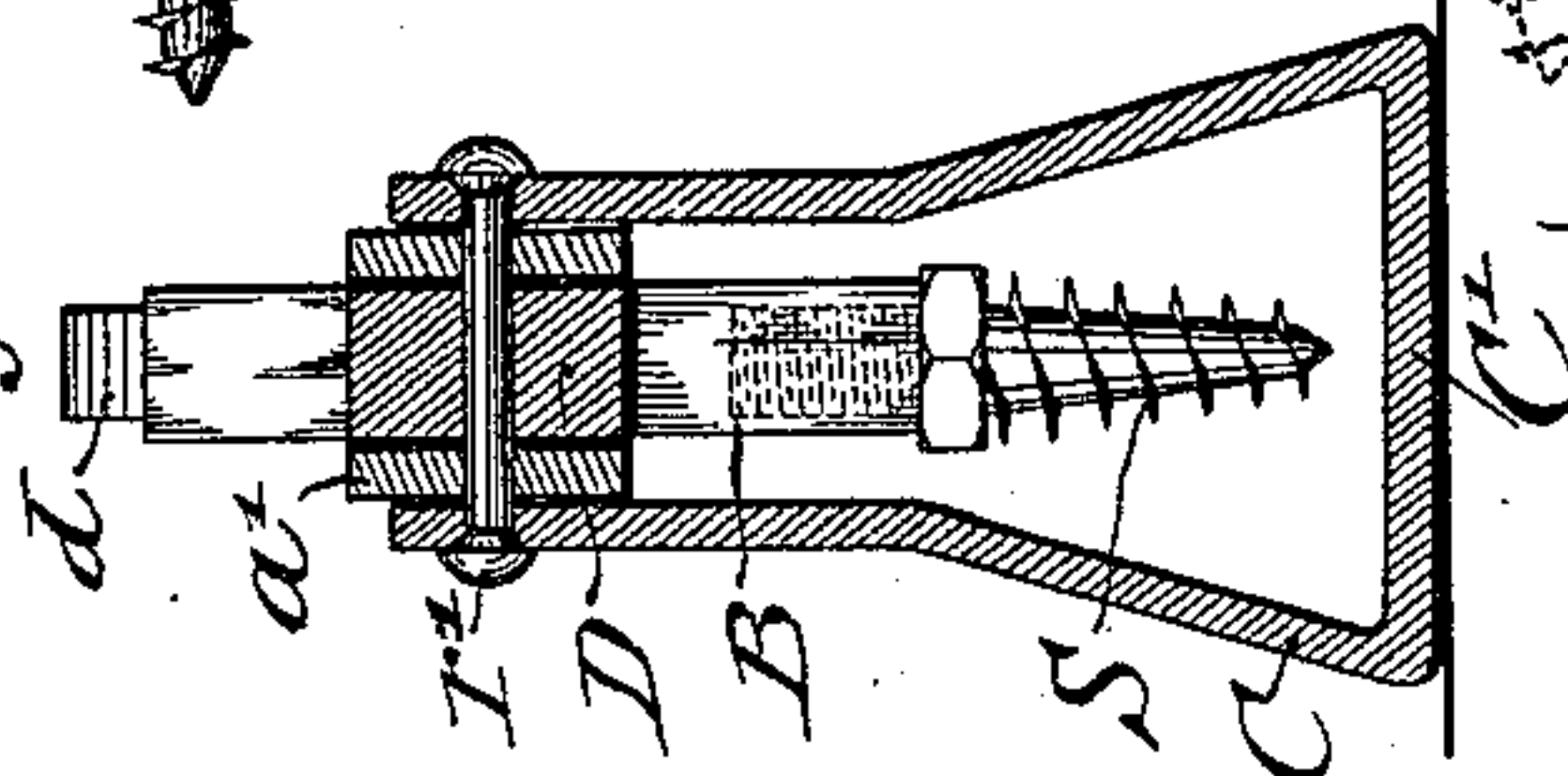


Fig. 3.

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BUNG-EXTRACTOR.

SPECIFICATION forming part of Letters Patent No. 674,133, dated May 14, 1901.

Application filed March 16, 1901. Serial No. 51,231. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH CATHRINER, a citizen of the United States, residing in Brenham, in the county of Washington and State of Texas, have invented certain new and useful Improvements in Bung-Extractors, of which the following is a specification.

This invention relates to an improved extractor for the bungs of casks and barrels of all kinds, so that the same can be quickly and conveniently removed from the bung-hole; and the invention consists of a hand-lever, a fulcrum-piece or fulcrum-stirrup pivoted to the open end of the lever, a gimlet portion attached to the operative end of the lever by a pin-and-slot connection, and suitable means for locking or securing the gimlet portion in line with said operative end when the extractor is to be secured to the bung, said gimlet portion being adapted to break joint with the lever, so that the gimlet-point can be placed at right angles to the forked end of the extractor when the bung is to be withdrawn by the hand-lever, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a plan view of my improved bung-extractor, showing the screw-point in position for use for screwing into the bung. Fig. 2 is a side elevation of the same, showing the extractor in position for withdrawing the bung; and Fig. 3 is a vertical transverse section on line 3-3, Fig. 2, showing the fulcrum piece or stirrup construction.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the hand-lever of my improved bung-extractor. This is preferably made of doubled-up bar-iron, which forms a handle portion *a* at the outer end and a forked portion *a'* at the opposite end. In the forked end *a'* is inserted a block B, which is provided with a screw-point S, that is to be screwed into the bung. The block B is provided with pivot-pins *b* at opposite sides that engage slots *b'* in the forked end of the hand-lever A. The inner end of the block is provided with a projection

or tenon *d*, that is adapted to engage a mortise *d'* in a stationary block D, that is firmly riveted to the forked end of the handle back of the pivoted block B, as shown in Fig. 1. The connection of the block D with the forked end of the handle *a* is secured by rivets *r* with countersunk heads, as shown in dotted lines. A fulcrum piece or stirrup C is pivoted to a pivot-pin *r'*, that passes through the forked portion of the handle and the block D, so that the fulcrum-piece C can swing freely on the forked end of the handle. The fulcrum piece or stirrup C is closed at the lower end, as shown in Fig. 3, and has a straight transverse base portion *C'*, on which it rests when its pivot connection with the forked end of the handle is used as a fulcrum for lifting the bung from the keg or cask.

In order to use my improved bung-extractor, the block B is pushed back into the forked end, so that its tenon engages the mortise *d'* in the block D, as shown in Fig. 1. When this is accomplished, the screw-point S is screwed into the bung, penetrating through the same without injuring the bung. The handle is then drawn outward until the pivot-pins of the block D arrive at the outer ends of the slots, in which position the tenon *d* is disengaged from the mortise in the block D, so that the handle can be readily turned on the pivot-pins and placed in position at right angles to the block B, as shown in Fig. 2. When lowering the handle, the fulcrum-piece comes to rest on the barrel or keg, so that by pressing the handle end of the lever down a forcible pull is exerted on the bung and the same extracted from the bung-hole of the cask or barrel.

In case the power applied to the handle is not sufficient to extract the bung while the pivot is in the position shown in Fig. 2, the handle can be moved forward for the distance represented by the slot in the forked end of the handle A until the pins *b* touch the opposite ends of the slots, in which case the power is multiplied and greater power is exerted on the bung, so that the same is readily extracted from the keg or barrel.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

1. A bung-extractor, consisting of a hand-lever, a block provided with a screw-point and
5 having a pin-and-slot connection with the operative end of the lever, the pin being shiftable in the slot, means for securing a positive engagement of the said block with a portion of the said lever, whereby the block is se-
10 cured in line with the lever, and a fulcrum-piece on said lever, substantially as set forth.

2. A bung-extractor, consisting of a hand-lever having a longitudinally-slotted forked end, a block provided with a screw-point and
15 having side pins engaging and shiftable in the slots of said forked end, a block in the rear part of the forked end, means for securing the positive interlocking engagement of the inner end of the screw-pointed block
20 with said inner stationary block, and a fulcrum-piece pivoted to said lever, substantially as set forth.

3. A bung-extractor, consisting of a hand-lever, a block provided with a screw-point
25 and having a pin-and-slot connection with the operative end of the lever, the pin being

shiftable in the slot, and a portion rigid with said lever having a mortise-and-tenon connection with the end of said block opposite its screw-point, whereby the block may be
30 positively interlocked with the lever and disengaged therefrom, substantially as set forth.

4. A bung-extractor, consisting of a hand-lever provided with a longitudinally-slotted forked end, a stationary block fixed in the
35 inner portion of said forked end, and provided with a mortise or socket at its outer end, and a second block provided with a screw-point and with pivot-pins shiftable in the longitudinal slots of the lever, said pivoted block
40 being provided at the end opposite from its screw-point with a tenon adapted to be inserted in said mortise, so as to be positively interlocked with the lever, substantially as
45 set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JOSEPH CATHRINER.

Witnesses:

J. H. CHAPPELL,
T. M. BARTON.