

No. 680,517.

Patented Aug. 13, 1901.

C. R. BARRETT & E. C. PHILLIPS.  
IMPLEMENT FOR EXTRACTING BUNGS, &c.

(Application filed Apr. 24, 1901.)

(No Model.)

Fig. 1.

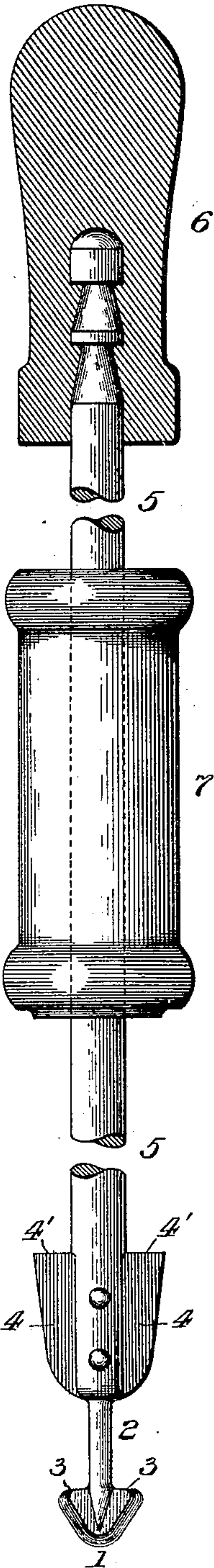


Fig. 2.

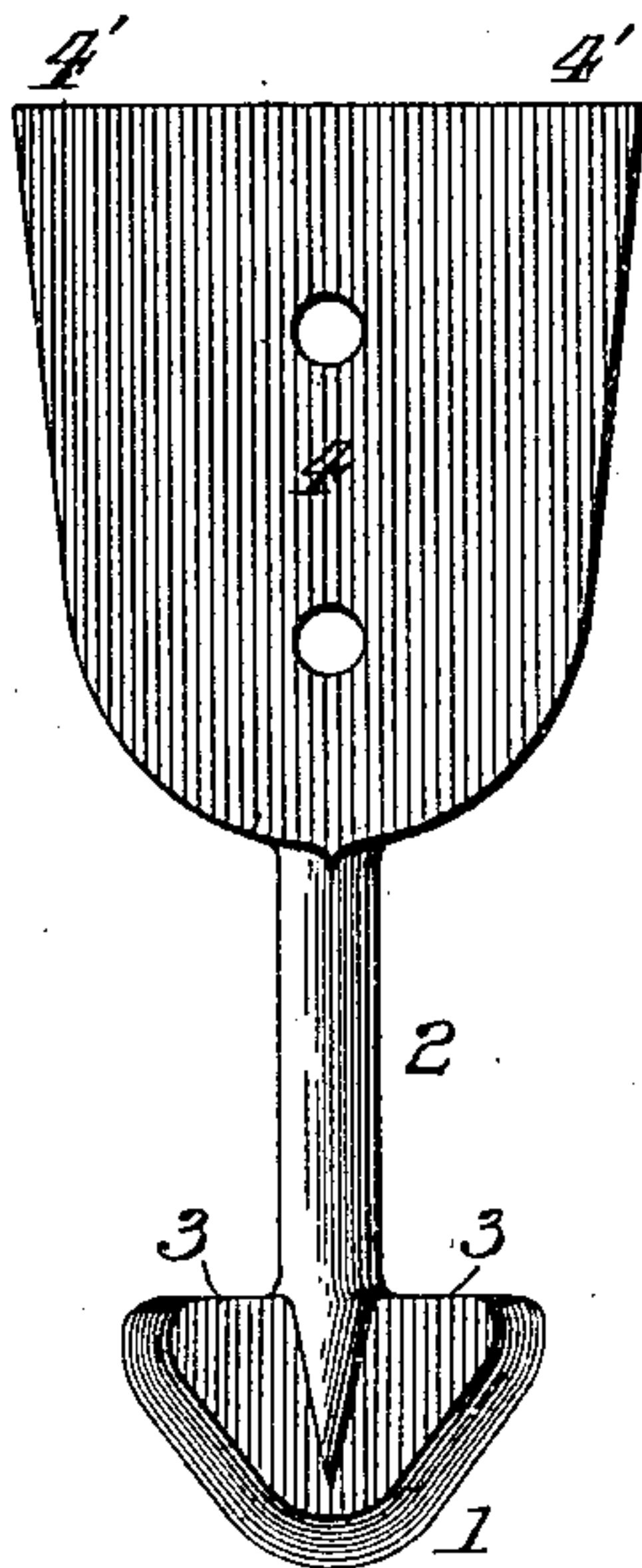


Fig. 3.



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# UNITED STATES PATENT OFFICE.

CHARLES R. BARRETT AND ELWOOD C. PHILLIPS, OF CHICAGO, ILLINOIS.

## IMPLEMENT FOR EXTRACTING BUNGS, &c.

SPECIFICATION forming part of Letters Patent No. 680,517, dated August 13, 1901.

Application filed April 24, 1901. Serial No. 57,167. (No model.)

*To all whom it may concern:*

Be it known that we, CHARLES R. BARRETT and ELWOOD C. PHILLIPS, citizens of the United States, and residents of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Implements for Extracting Bungs, &c., of which the following is a specification.

The present invention relates to implements for removing bungs, corks, and other like stoppers from barrels and other like containing vessels.

The object of the present improvement is to provide a simple and efficient implement for such uses with which the operation of removing a bung or other like stopper from a barrel or other like containing vessel is effected in a ready and convenient manner, all as will hereinafter more fully appear and be more particularly pointed out in the claims. We attain such object by the formation and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a bung-extractor embodying the present invention. Fig. 2 is an enlarged side view of the extractor blade or head of the present invention in a detached condition from the implement, and Fig. 3 an enlarged end view of the same transverse to Fig. 2.

Similar numerals of reference indicate like parts in the different views.

Referring to the drawings, 1 represents the extractor head or blade of the present invention, comprising a construction as follows: a blade portion of a substantially triangular shape, the corners of which are rounded and the inclined edges of which are tapered to a cutting edge to facilitate the operation of penetrating a bung or stopper, as hereinafter described; an intermediate shank 2, preferably cylindrical and of some length and which is connected centrally to one of the sides of the triangular blade portion, so that such side of the blade will form lateral shoulders 3 3 at the sides of the shank 2, as shown in Figs. 1 and 2 of the drawings, and a flat attaching-body 4, connected to the end of the shank 2, opposite to the blade portion, and having some transverse width, as indicated in the drawings.

5 is an elongated shank or rod secured at

one end to the attaching-body 4 of the extractor-head 1 and at the other end to a hub or handle 6 in any usual and suitable manner, by means of which a substantial attachment is obtained.

7 is an impact-head of the required size and shape to afford the desired weight to the head. Such impact-head is formed with a longitudinal bore adapted to fit upon the elongated bar or rod 5 and be guided thereon to impact properly in its downward movement against the lateral shoulders 4' 4' of the attaching-head 4 of the extractor-blade and in an upward movement to impact against the lower end of the hub or handle 6.

In the operation of the present invention the operator places the blade portion of the extractor 1 against the bung or stopper of the barrel or other vessel and lengthwise of the grain of such bung and by a forcible downward movement of the impact-head 7 against the shoulders 4' 4' of attaching-head 4 of the extractor-blade will cause the said extractor-blade to penetrate entirely through the bung, with the shank portion 2 impaling the bung or stopper. The operator then imparts a quarter-turn to the whole implement by means of the handle 6, so as to bring the lateral shoulders 3 of the blade portion in a transverse direction to the slit previously made in the bung or stopper and transverse to the grain of said bung, after which by a forcible upward impact movement of the impact-head 7 against the hub or handle 6 the operator is enabled to dislodge the bung or stopper from its engagement in the bung-hole or other like opening for which it had previously formed a closure.

Having thus fully described our said invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In an implement for extracting bungs of the character herein described, an integrally-formed extractor-blade comprising a triangular-shaped penetrating-point, a flattened attaching-head widened laterally to constitute impact-shoulders, and an elongated shank forming an intermediate connection between said point and head, in combination with a guide-shank, means for attaching one end of said shank in a central manner to the attaching-head of the extractor-blade, and an im-

pact-head sliding on said shank and adapted to impact against the lateral impact-shoulders of the aforesaid attaching-head, substantially as set forth.

- 5 2. In an implement for extracting bungs of the character herein described, an integrally-formed extractor-blade comprising a triangular-shaped penetrating-point, a flattened attaching-head widened laterally to constitute impact-shoulders, and an elongated shank  
10 forming an intermediate connection between said point and head, in combination with a guide-shank, means for attaching one end of said shank in a central manner to the attach-

ing-head of the extractor-blade, an impact 15 hub or handle secured to the opposite end of said shank, and an impact-head sliding on said shank and adapted to impact against the lateral impact-shoulders of the aforesaid attaching-head and against the impact hub 20 or handle, substantially as set forth.

In testimony whereof witness our hands, this 22d day of April, 1901, at Chicago, Illinois.

CHARLES R. BARRETT.

ELWOOD C. PHILLIPS.

In presence of—

ROBERT BURNS,

HENRY A. NOTT.