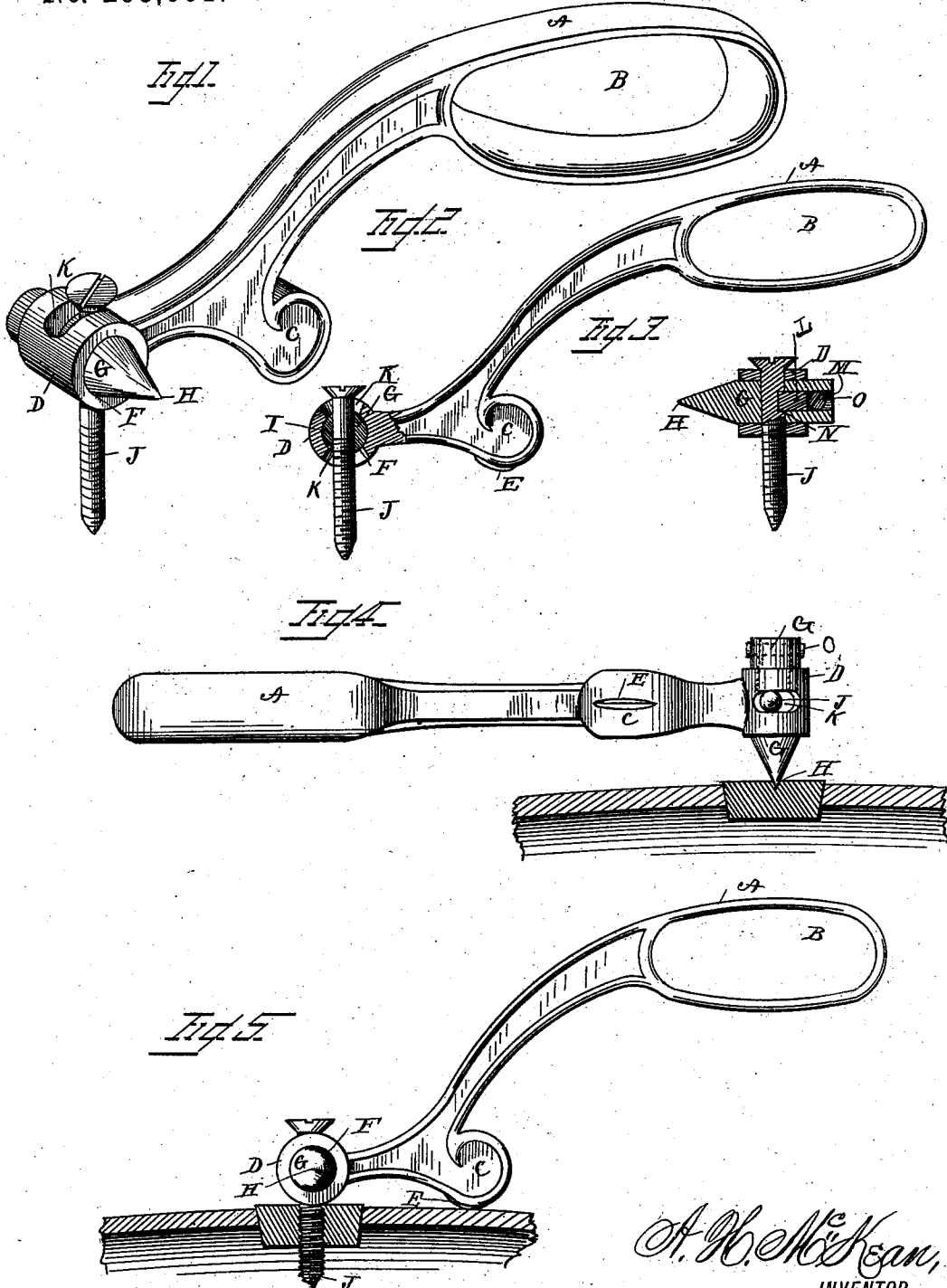


(No Model.)

A. H. McKEAN.
BUNG EXTRACTOR.

No. 293,661.

Patented Feb. 19, 1884.



WITNESSES

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UNITED STATES PATENT OFFICE.

ADELBERT H. MCKEAN, OF TRUMANSBURG, NEW YORK.

BUNG-EXTRACTOR.

SPECIFICATION forming part of Letters Patent No. 293,661, dated February 19, 1884.

Application filed October 29, 1883. (No model.)

To all whom it may concern:

Be it known that I, ADELBERT H. MCKEAN, a citizen of the United States, residing at Trumansburg, in the county of Tompkins and State of New York, have invented a new and useful Bung-Extractor, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to bung-pullers, or devices for extracting bungs from barrels and casks; and it has for its object to produce a device for this purpose which shall be simple in construction, inexpensive, easily manipulated, certain in operation, and by the use of which wooden bungs of the ordinary kind may be extracted without injury to the cask.

To this end my invention consists in certain improvements in the construction of the said device, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a perspective view of my improved bung-puller. Fig. 2 is a longitudinal vertical sectional view of the same. Fig. 3 is a vertical transverse sectional view on the line *xx* in Fig. 2. Fig. 4 is a view illustrating the method of starting the hole for the screw, and Fig. 5 is a view illustrating the operation of the extracting device.

The same letters refer to the same parts in all the figures.

A in the drawings designates a suitable lever or handle, formed with an opening or handhold, B, a fulcrum-stud, C, and a head, D, extending beyond the said fulcrum-stud. The fulcrum-stud is rounded, as shown, and is provided on its under side with a rib or flange, E, which, when the device is in use, slightly enters the wood of the cask or barrel, thus preventing the lever from slipping or from being laterally displaced. The head D has a transverse opening, F, in which is seated a cylindrical plug, G, having a projecting conical point, H, at one end, and provided with a vertical perforation, I, in which is seated a screw, J, projecting through slots K K in the upper and lower sides of the head, thus permitting the plug to partly turn in its bearing. The screw J is held securely in the plug G by

means of a pin, L, entering through an opening, M, in the blunt end of the plug, and engaging an opening or recess, N, in the side of the said screw. The pin L is held in position in the plug G by means of a transverse conical pin or wedge, O.

The operation of this invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. The pointed end of the plug G is first placed over the bung, into which it is driven by a sharp blow of a hammer against the upper blunt end of the said plug, thus forming an opening, which serves to start the screw J. The latter, being placed in the said opening in the position shown in Fig. 5 of the drawings, is turned and driven into the bung, the handle A serving as a lever or wrench wherewith to turn it. When the screw has been driven sufficiently into the bung, the lever A is fulcrumed upon the stud C, and pressed in a downward direction, thus easily starting and extracting the bung.

I claim as my invention and desire to secure by Letters Patent of the United States—

1. As an improvement in bung-extractors, the herein-described device, comprising a handle or lever constructed with a fulcrum-stud and with a transversely-perforated head, a plug seated in the said head where it may partially revolve, and a screw extending through said plug and through slots in the said head, with means for holding the screw in place, as set forth.

2. As an improvement in bung-extractors, a device comprising a lever or handle having a fulcrum-stud, a head, a plug seated in said head and having a conical point extending beyond the same, and a screw passing vertically through said plug, with means for holding the screw in place, substantially as set forth.

3. In a bung-extractor, the herein-described lever or handle provided with a fulcrum-stud having on its under side a rib or flange, substantially as and for the purpose set forth.

4. A bung-extractor comprising a lever or handle having a transversely-perforated head having slots in its upper and lower sides, a plug seated in said head and having at one end a projecting conical point and at the

other end a longitudinal recess, a screw passing through the said plug and through the slots in the head, and having a recess in one side, a pin entering the recess in the plug and engaging the recess in the side of the screw, and a pin or wedge driven transversely through the plug and retaining the pin in the latter, as set forth.

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10 5. The herein-described improved bung-extractor, the same comprising the lever or handle having an opening or hand-hold, a rounded fulcrum-lug having a rib or flange on its under side and a transversely-perforated head, a plug seated in said head and having an ex-

tending conical point, and a screw passing 15 vertically through said plug and through slots in the upper and lower sides of the head, with means for holding the screw in place, whereby the plug is permitted to partially revolve, as set forth. 20

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

ADELBERT H. MCKEAN.

Witnesses:

FRED. D. BARTO,
JAMES G. MCLALLEN.