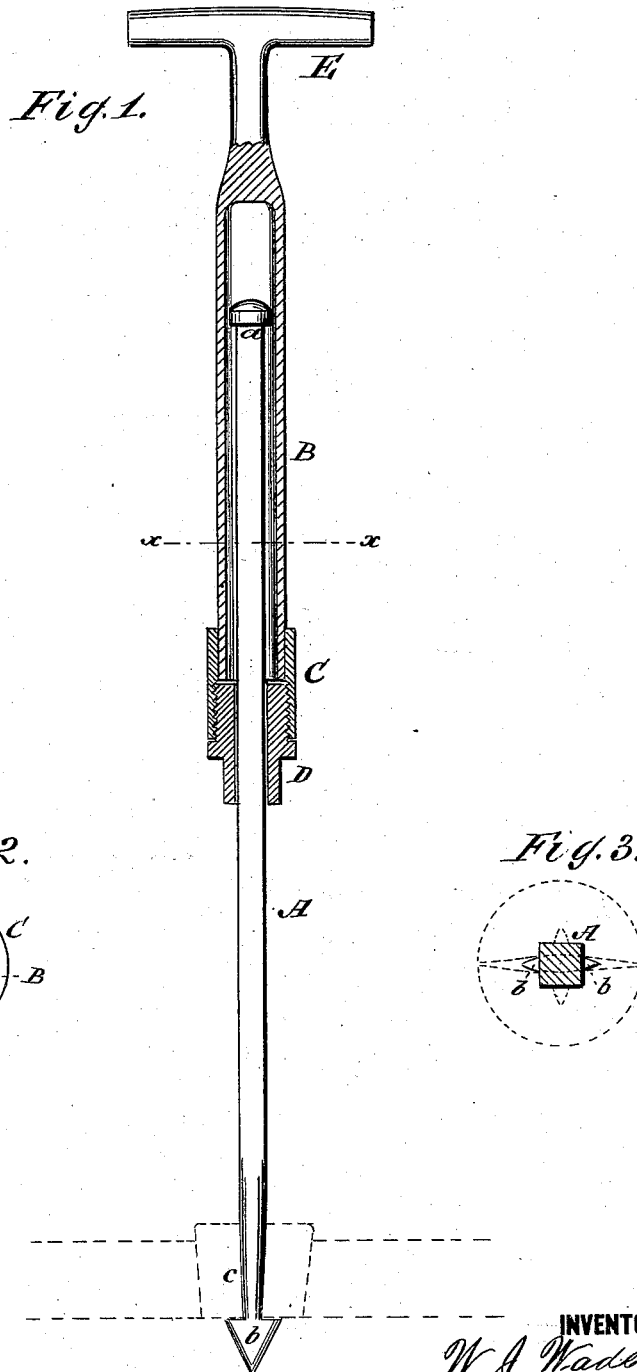


W. J. WADEMAN.
BUNG-EXTRACTOR.

No. 192,721.

Patented July 3, 1877.



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

WILLIAM J. WADEMAN, OF BAY CITY, MICHIGAN.

IMPROVEMENT IN BUNG-EXTRACTORS.

Specification forming part of Letters Patent No. **192,721**, dated July 3, 1877; application filed May 21, 1877.

To all whom it may concern:

Be it known that I, WILLIAM JAMES WADEMAN, of Bay City, in the county of Bay and State of Michigan, have invented a new and Improved Bung-Extractor, of which the following is a specification:

Figure 1 is a sectional view of my improved bung-extractor; Figs. 2 and 3 are sectional views, in detail.

Similar letters of reference indicate corresponding parts.

This invention relates to devices for extracting bungs from barrels or kegs; and the nature of my invention consists in an extracting-rod having a flat arrow-head formed on one end for penetrating and giving a hold on a bung, in combination with a tubular hammer-stock for driving the arrow-head of the said extractor through a bung, as will be understood from the following description:

In the annexed drawing, A designates the extractor, which is a prismatic rod having a round head or anvil, *a*, formed on one end, and an arrow or V-shaped head, *b*, formed on the opposite end, just above which is a rounded and reduced portion, *c*. (Shown clearly in Fig. 1.) B designates a tubular hammer-stock, con-

structed with a T-handle on one end and provided with a screw-threaded plug or guide, D, tapped into its other end. The square or prismatic portion of the extractor A passes freely through the plug D, and the head *a* works inside of the stock B the full length of its bore.

My improved extractor is used as follows: The arrow-head *b* is applied in the center of a bung and driven through the same by giving quick vertical movements to the stock or hammer B. When the head *b* has passed entirely through the bung this head is turned one-quarter around, thus taking a firm hold and allowing the bung to be extracted.

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

The arrow-head extractor A, having anvil *a*, in combination with tubular hammer-stock B, having T-head at the upper and guide D at the lower end, as and for the purpose specified.

WILLIAM JAMES WADEMAN.

Witnesses:

WM. A. YOUNG,
CHAS. E. YOUNG.