

E. HENDERER.
Bung-Extractor.

No. 215,357.

Patented May 13, 1879.

Fig. 1

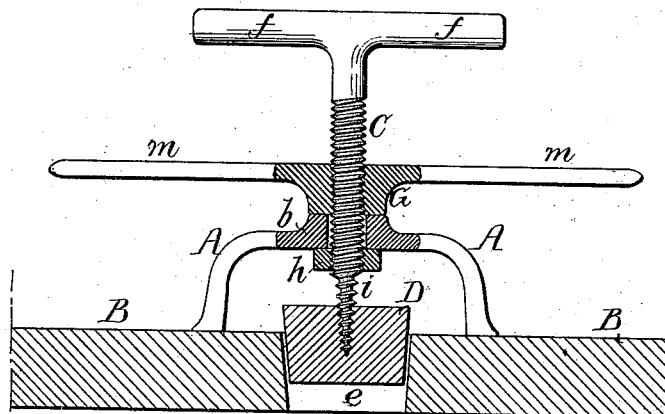
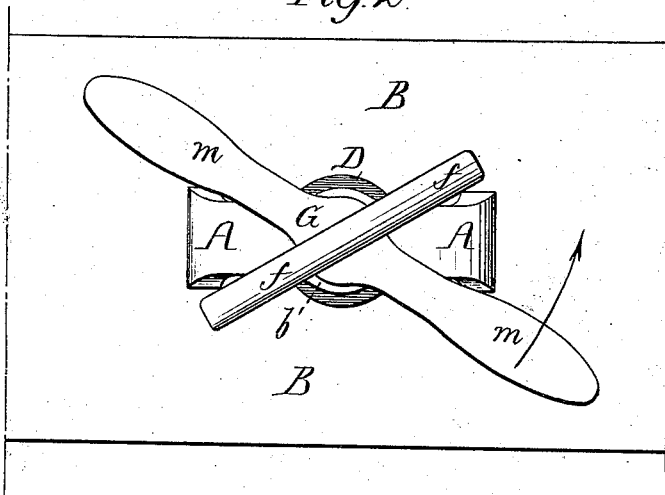


Fig. 2



WITNESSES

Henry Howard Jr.
Harry Smith

INVENTOR.

Edmond Henderer
by his Attorneys
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UNITED STATES PATENT OFFICE.

EDMOND HENDERER, OF WILMINGTON, DELAWARE, ASSIGNOR TO RICHARD P. PIM, OF SAME PLACE.

IMPROVEMENT IN BUNG-EXTRACTORS.

Specification forming part of Letters Patent No. **215,357**, dated May 13, 1879; application filed February 24, 1879.

To all whom it may concern:

Be it known that I, EDMOND HENDERER, of Wilmington, Delaware, have invented a new and useful Improvement in Bung-Extractors, of which the following is a specification.

My invention consists of a simple, cheap, and effective device, fully described hereinafter, for extracting bungs from barrels.

In the accompanying drawings, Figure 1 is a side view, partly in section, of my improved bung-extractor; and Fig. 2, a plan view.

A is a stand, the feet *a* of which are placed on the barrel B when the instrument has to be used for extracting the bung D from the bung-hole *e* of the said barrel. C is the operating screw-rod, terminating below in a tapering screw, *i*, and provided at the top with a suitable handle, *f*, the said screw-rod passing freely through the central enlargement, *b*, of the stand A, from which the screw cannot be withdrawn, owing to a nut or collar, *h*.

Above the stand the screw-rod is furnished with a nut, G, threaded internally, to accord with the thread on the rod, and having two projecting arms or handles, *m m*.

In using the above-described instrument, the handled nut G is first turned in the direction of the arrow, Fig. 2, until the distance between the said nut and the stand A is sufficient to permit the introduction of the tapering screw *i* into the bung D by turning the screw-rod without being interfered with by the said nut G.

When the tapering screw has penetrated the bung far enough to obtain a proper hold of the same the handled nut G is brought into play, and this is screwed down on the rod, so that, bearing on the top of the stand, it will elevate the rod, and with it the bung D, attached to the tapering screw *i* of the screw-rod B.

The tapering screw *i* is made in one piece with the operating screw-rod C, and is so much less in diameter than the latter as to permit the application to the said screw-rod of the nut or collar *h*, by which the detachment of the stand A from the instrument is prevented.

I am aware that a corkscrew has been attached to the end of a screw-rod, so that a cork might be withdrawn by manipulating a nut adapted to the said rod. This, therefore, I do not claim; but

I claim as my invention—

The within-described bung-extractor, consisting of the stand A, the screw-rod C, and its tapering screw *i*, the handled nut G, and the retaining-nut *h*, adapted to the said screw-rod, all being combined and constructed as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDMOND HENDERER.

Witnesses:

E. C. DAWSON,
W. E. MITCHELL.