

H. A. ENGELS.
Bung-Bush Inserters.

No. 146,585.

Patented Jan. 20, 1874.

Fig1.

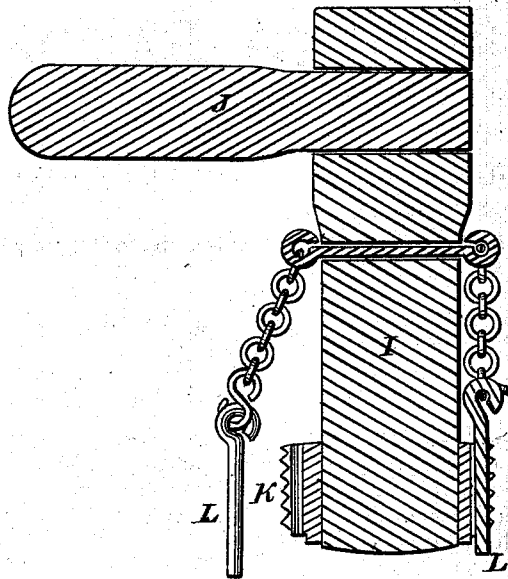
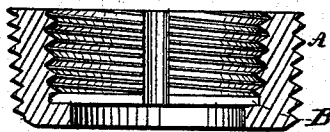


Fig2.



Witnesses.
Alfred Rix.
Christian Koers.

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atty.

UNITED STATES PATENT OFFICE.

HEINRICH A. ENGELS, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN BUNG-BUSH INSERTERS.

Specification forming part of Letters Patent No. **146,585**, dated January 20, 1874; application filed August 23, 1873.

To all whom it may concern:

Be it known that I, HEINRICH A. ENGELS, of the city and county of San Francisco, State of California, have invented an Improved Bung-Bush Key, of which the following is a specification:

This invention relates to a device for inserting bushing in casks.

In the drawing, Figure 1 is a vertical section of the key or device for inserting the bushing in the cask. Fig. 2 is a similar section of the bushing, showing one of the grooves into which pins L are to be inserted.

The key for turning the bushing in and out of the cask consists of the shank I, handle J, and screw K, fitting into the bushing. When this key is in place in the bushing, a pin, L,

on each side, passes across the threads of a size sufficient to hold the key from turning in the bushing. This enables the bushing to be screwed out as well as in.

The operation is too obvious to need further explanation.

What I claim, and desire to secure by Letters Patent, is—

A bung-bush inserter or key consisting of the shank I, handle J, screw K, pins L, with grooves to receive them, all constructed, arranged, and operating as described.

HEINRICH ADOLPH ENGELS.

Witnesses:

ALFRED RIX,
CHRISTIAN HESS.