

W. JOHNSON.
Wrenches.

No. 141,794.

Patented August 12, 1873.

Fig. 1.

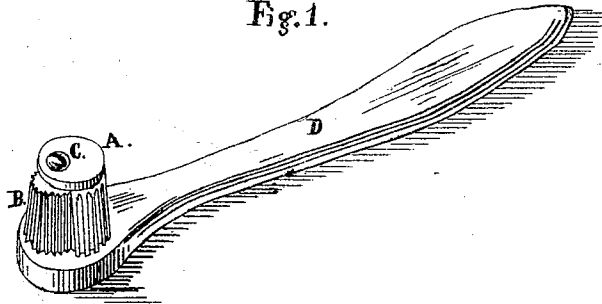
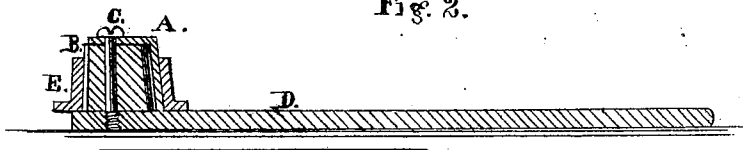


Fig. 2.



Witnesses:

E. J. Smith
E. J. Smith

Inventor:

William Johnson

UNITED STATES PATENT OFFICE.

WILLIAM JOHNSON, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN WRENCHES.

Specification forming part of Letters Patent No. **141,794**, dated August 12, 1873; application filed November 16, 1872.

To all whom it may concern:

Be it known that I, WILLIAM JOHNSON, of Milwaukee, in the county of Milwaukee, in the State of Wisconsin, have invented certain Improvements in Wrenches, of which the following is a specification:

My invention relates to a wrench to secure bung-bushings in beer-barrels, and consists in the arrangement of an eccentric that works out against the inside of the bushing and holds tight, and, as the wrench is turned, screws the bushing into place.

Figure 1 is a perspective view of my invention; and Fig. 2, a sectional view.

A is the part which passes inside of the bush. B, an eccentric on one side of the part A, secured in place by the pin C. This eccentric being turned by the frictional contact with the side of the bush, enlarges that part

of the wrench which passes into the bush, and thus pressing against the side of it as the wrench is turned around and screws the bush into the barrel. D is the handle of the wrench, and E the bushing. This bushing is illustrated only to show how the wrench works, and is made, when finished, with a screw on the outside of it, so that it may be screwed into the side of a barrel or cask.

I claim as my invention the following combination, the other parts being old:

The combination of the tapering-plug A, eccentric B, and its shaft C, substantially as described.

WILLIAM JOHNSON.

Witnesses:

J. B. SMITH,
E. J. SMITH.