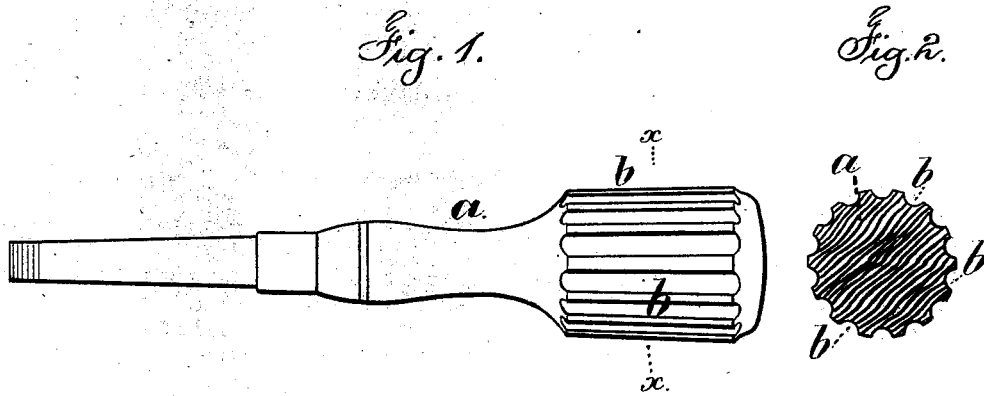


E. A. JOHNSON.  
SCREW-DRIVER HANDLES.

No. 190,869.

Patented May 15, 1877.



Witnesses:

Chas. H. Smith  
Harold W. Terrell

Inventor:

Edward A. Johnson

per Lemuel W. Terrell

*atij*

# UNITED STATES PATENT OFFICE.

EDWARD A. JOHNSON, OF EAST HAVEN, CONNECTICUT, ASSIGNOR TO  
HIMSELF AND JOHN J. TOWER, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN SCREW-DRIVER HANDLES.

Specification forming part of Letters Patent No. **190,869**, dated May 15, 1877; application filed  
April 20, 1877.

*To all whom it may concern :*

Be it known that I, EDWARD A. JOHNSON, of East Haven, in the State of Connecticut, have invented an Improvement in Screw-Driver Handles, of which the following is a specification :

Tool-handles often require to be grasped very firmly in order to turn them around. This is particularly the case with the handles of screw-drivers, and in use these handles become slippery, and cannot be held and turned except by severe labor and strain upon the hands of the person using the same.

My invention is a new article of manufacture, consisting of a wooden tool-handle, grooved longitudinally to produce the undulations that enable a workman to grasp and turn the handle and tool without unnecessary strain or exertion, because the edges of the longitudinal grooves prevent the hands slipping upon the surface of the handle.

In the drawing, Figure 1 is a side view of

the improved handle, and Fig. 2 is a cross-section of the same at the line *x x*.

The handle *a* is of wood of the desired size and general configuration, according to the work to be performed, and in the surface there are longitudinal grooves or flutes cut, that are shown at *b b*. These facilitate the firm grasping of the handle and the turning of the same, and lessen the liability of the hands to slip upon the wood, and the handle cannot become smooth and polished by use.

I claim as my invention—

As a new article of manufacture, a wooden tool-handle with longitudinal grooves in the surface thereof, as set forth.

Signed by me this 14th day of April, A. D. 1877.

EDWARD A. JOHNSON.

Witnesses :

DWIGHT W. TUTTLE,  
S. W. F. ANDREWS.