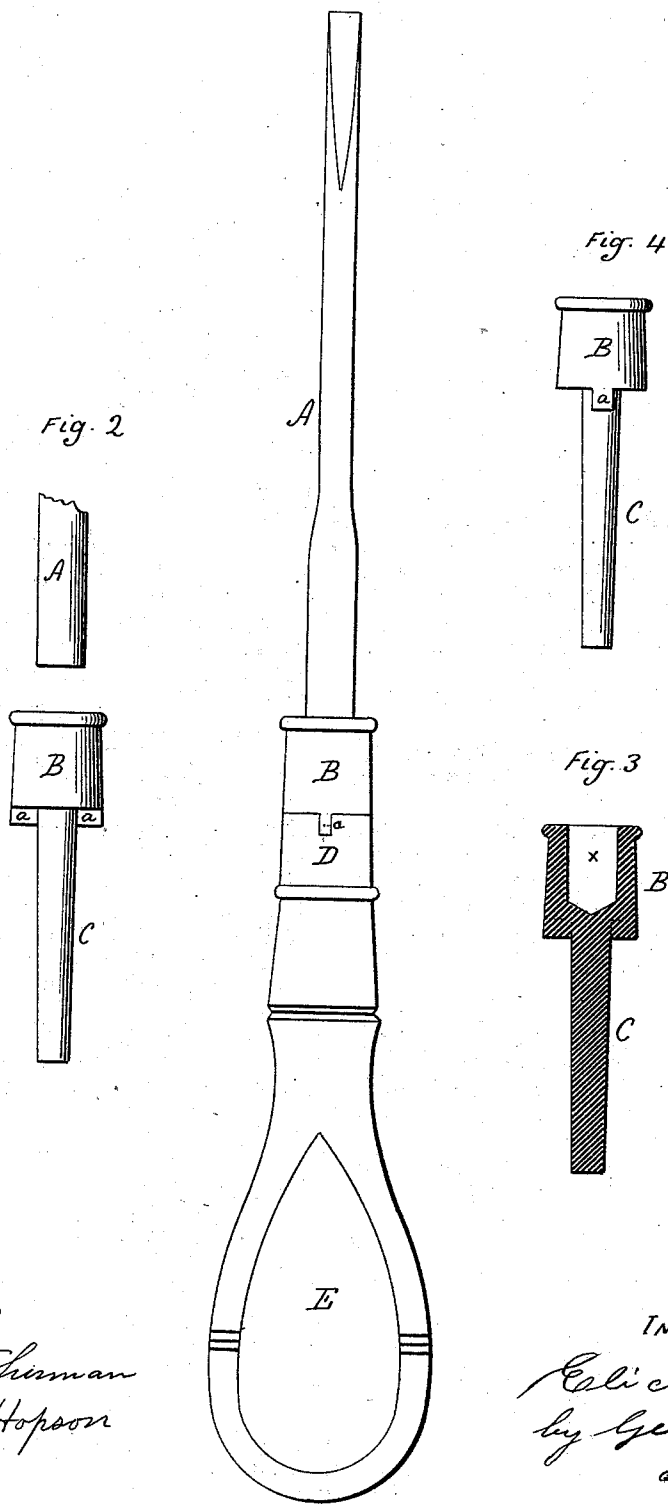


E. MORRIS.
Screw-Driver.

No. 214,785.

Patented April 29, 1879.



WITNESSES
Roger M. Sherman
William F. Hopson

INVENTOR
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attf

UNITED STATES PATENT OFFICE.

ELI MORRIS, OF NEW HAVEN, CONNECTICUT, ASSIGNOR OF ONE-HALF HIS
RIGHT TO JOHN A. PECKHAM, OF SAME PLACE.

IMPROVEMENT IN SCREW-DRIVERS.

Specification forming part of Letters Patent No. **214,785**, dated April 29, 1879; application filed
February 19, 1879.

To all whom it may concern:

Be it known that I, ELI MORRIS, of New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Screw-Drivers, of which the following is a specification.

As screw-drivers have wedge-shaped ends and are frequently used as a substitute for a wedge, their handles being pounded upon and split when so used, the object of my invention is to furnish a bolster, against which the handle comes, which will allow the instrument to be used with a mallet or hammer.

The invention consists in making the tang and bolster in one piece, and in shrinking the bolster onto the shank of the instrument; also, in providing the bolster with projections, which fit into the handle and ferrule on the same, as is hereinafter more fully set forth and claimed.

In the drawings, which I include in the specification, Figure 1 is a view of the screw-driver; Fig. 2, a view of the tang, bolster, and a portion of the shank; Fig. 3, a longitudinal section of the bolster and tang; and Fig. 4 a view of the bolster and tang.

To enable others to make and use my improved screw-driver, I will describe it in detail.

A, Fig. 1, is the shank or blade made of

round steel and flattened at the end in the usual form. B, Figs. 1, 2, and 4, is the bolster having the projections *a*, and is made in one piece with the tang C, and, preferably, of malleable iron.

Fig. 3 is a longitudinal section of the bolster and tang, and shows the perforation *x* in the bolster. D is the ferrule, and E is the handle. The bolster B is shrunk onto the shank A. The projections *a* fit into the slotted ferrule and handle, as shown in Fig. 1, and prevent the turning of the handle on the tang.

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

1. The screw-driver herein described consisting of the shank A of the bolster B, having the projections *a* of the tang C made in one piece with the bolster, and of the slotted ferrule and handle, as shown and described.

2. In a screw-driver, the bolster B and tang C, made in one piece, the bolster having the projections *a* and perforations *x*, as shown and set forth.

ELI MORRIS.

Witnesses:

GEORGE TERRY,
GEORGE BARNES.