W. F. PATTERSON.

Screw-Driver.

No. 165,685. Patented July 20, 1875.

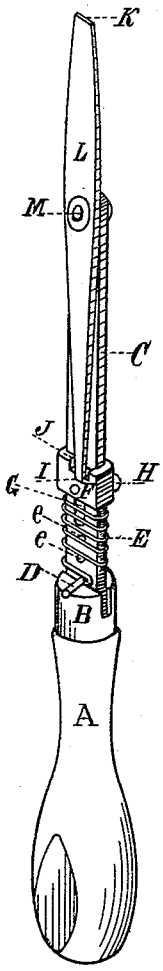

Fig. 1.

Witnesses;
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UNITED STATES PATENT OFFICE.

WILLIAM F. PATTERSON, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SCREW-DRIVERS.

Specification forming part of Letters Patent No. **165,685**, dated July 20, 1875; application filed June 2, 1875.

To all whom it may concern:

Be it known that I, WILLIAM F. PATTERSON, of Boston, in the county of Suffolk, State of Massachusetts, have invented a certain new and useful Improvement in Screw-Drivers, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view.

My present invention is designed as an improvement on the screw-drivers described in the Letters Patent issued to me February 24, 1874, No. 147,785; November 24, 1874, No. 157,102; January 19, 1875, No. 158,807; March 9, 1875, No. 160,543; March 23, 1875, No. 161,056, and No. 163,401, May 18, 1875; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a simple and effective device of this character is produced.

The nature and operation of my improvement will be readily obvious to all conversant with such matters from the following description:

In the drawing, A represents the haft or handle; B, the ferrule; C, the main blade, and L the auxiliary reversible blade. The blade L is pivoted at M to the outer or forward end of the main blade, and is provided with the wide and narrow points K J. A sliding step, F, provided with a set-screw, H, is disposed near the lower end of the body, the screw working through an elongated slot, G, formed in the same. Beneath the step F, and between it and the ferrule B, is a coiled spring, E, and extending through the body *c* is a stud, D, resting on the ferrule B. The step F is provided on one of its sides with a nick or mortise, I, fitted or shaped to receive and hold either the wide end K or the narrow end J of the blade L, as the case may be.

In the use of my improvement, it will be obvious that the blade L may have its wide or narrow point advanced for use, as required, and may be readily secured in working position by means of the step F and screw H.

The object of the dowel or stud D is to brace or strengthen the main blade C at its junction with the haft A, its employment rendering the usual shoulder and wide body at this section of the driver in a great degree unnecessary.

The spring E acts to keep the step F in contact with the blade L while being secured by the screw.

It will be obvious that the stud D is valuable in any screw-driver or similar tool for the purposes stated, whether provided with the blade L or otherwise.

I do not herein claim anything shown or described in either of said Letters Patent when in and of itself considered; but,

Having thus explained my improvement, what I claim is—

The improved screw-driver herein described, consisting of the haft A, provided with the ferrule B, body *c*, reversible double-pointed blade L, spring E, dowel or stud D, and adjustable step F, provided with the screw H, all constructed and arranged to operate substantially as and for the purpose set forth.

WILLIAM F. PATTERSON.

Witnesses:

C. A. SHAW,

H. E. METCALF.