

W. F. PATTERSON.
Screw-Drivers.

No. 157,102.

Patented Nov. 24, 1874.

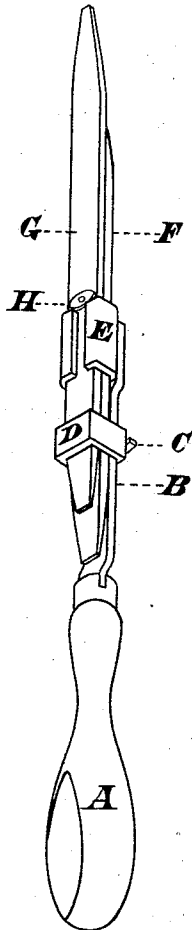


Fig. 1.

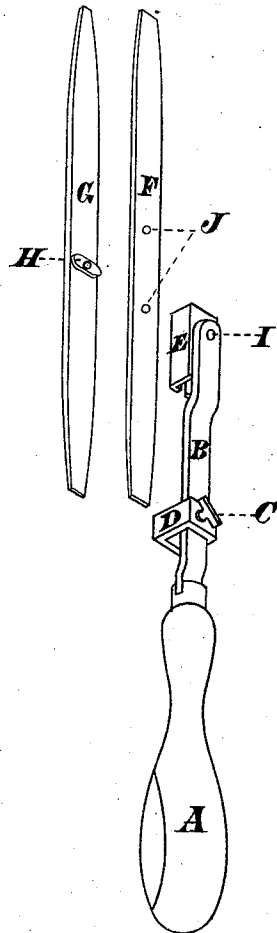


Fig. 2.

Witnesses;
Arthur J. Daniels,
H. E. Metcalf.

Inventor;
William F. Patterson,
By C. A. Shaw
att'y

UNITED STATES PATENT OFFICE.

WILLIAM F. PATTERSON, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SCREW-DRIVERS.

Specification forming part of Letters Patent No. **157,102**, dated November 24, 1874; application filed October 12, 1874.

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, and Fig. 2 a view showing the blades of the driver detached.

Like letters of reference indicate corresponding parts in the different figures of the drawing.

My invention relates to that class of screw-drivers which are provided with detachable and adjustable blades; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, as an improvement upon the patent granted to me February 24, 1874, No. 147,785, by which a simpler and more effective device of this character is produced than is now in common use.

In Fig. 1, A is the stock or handle; B, the shank; and G F, the blades. The shank is provided at its upper or outer end with a clamp or runlet, E, in which the blades are disposed when in use. Pivoted to one side of the blade G there is an oblong button or revolving stop, H, the blade F being provided with the fixed studs or stops J. A clamp, D, having the thumb-screw C, is arranged to slide upon the shank B. The clamp E has a longitudinal slot in its outer side, through which the button H will pass when turned on a line with the blades, and is pivoted to the shank B, as at I, Fig. 2, in such a manner that it may be easily turned or revolved thereon.

The object of the stops J is to prevent the blade F from sliding longitudinally in the clamp E when in use, the bottom of the clamp being then arranged between the studs for that purpose, the stop H performing a similar function in respect to the blade G.

From the foregoing the nature and operation of my invention will be readily obvious to all conversant with such matters.

Fig. 1 represents the driver, with the blades in position, the blade G being advanced for use, both blades being secured firmly in the stock by the clamp D, and the stop H turned at right angles to its blade. If, now, the screw C is loosened, and the stop H turned on a line with its blade, the blade G may be withdrawn or pushed inwardly, the stop H passing through the slot in the clamp E until the blade F is advanced for use in place of G, when both blades may be secured by the screw-clamp D, as before.

It will be obvious that, by reversing the blades, the four different points of the blades may be brought into use, as required; also, that by detaching the clamp D the blades may be reversed by turning or revolving the clamp E on the pivot I. The shank B is bent in such a manner as to make the axial lines of the blade, which is in use, and of the handle A, coincident.

Having thus explained my invention, what I claim is—

The combination of the handle A, provided with the shank B, with the adjustable clamp D, slotted pivoted clamp E, reversible blade G, provided with the stop H, and reversible blade F, provided with the stops J, all constructed to operate as herein shown and described.

WILLIAM F. PATTERSON.

Witnesses:

C. A. SHAW,
H. E. METCALF.