R. McDonald,

Shoe Knife

No. 89,877. Patented May 11. 1869.

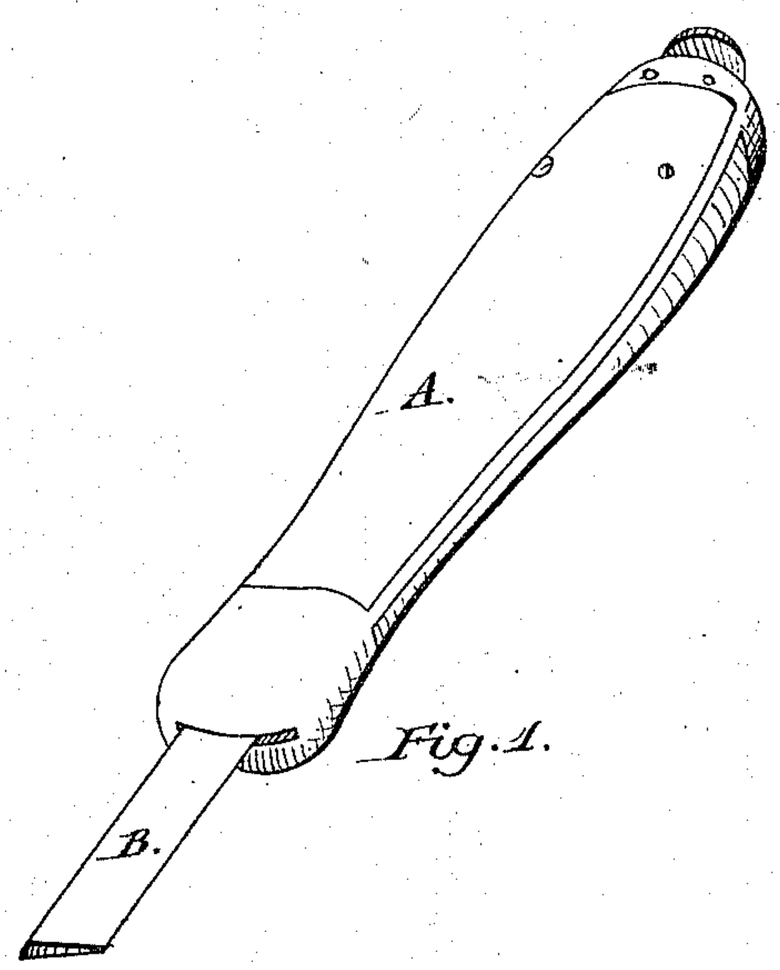


Fig. 1.

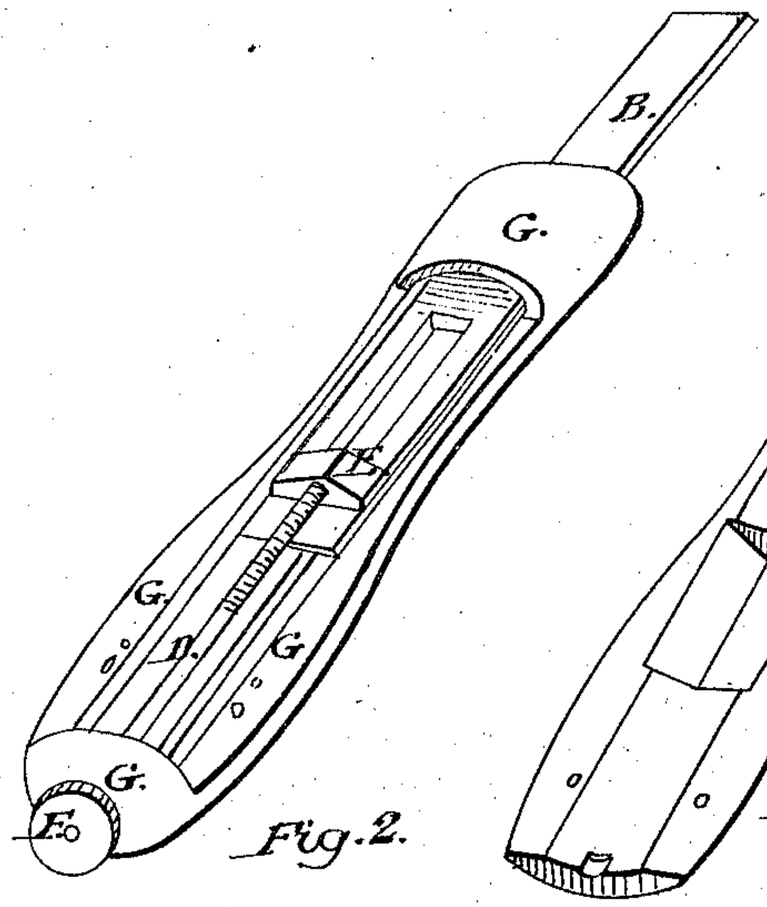
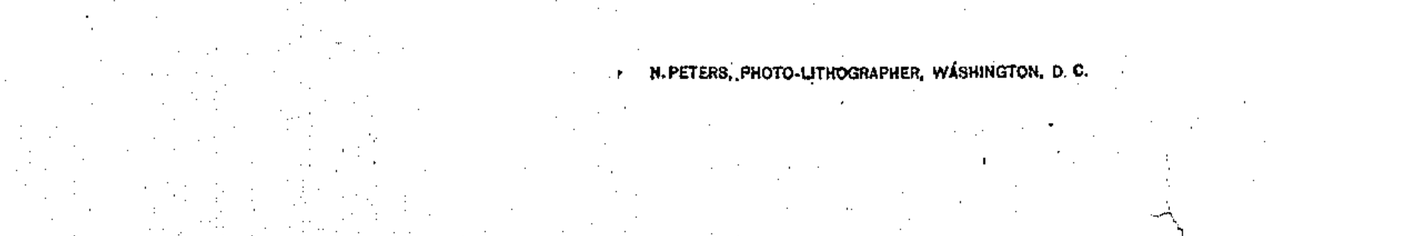


Fig. 2.

Fig. 3.

Fig. 4.



WITNESSES:

Louis F. Arnold

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INVENTOR:

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United States Patent Office.

ROBERT R. McDONALD, OF SYRACUSE, NEW YORK.

Letters Patent No. 89,877, *dated May* 11, 1869.

IMPROVEMENT IN SHOE-KNIFE AND GAUGE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ROBERT R. McDONALD, of the city of Syracuse, in the county of Onondaga, in the State of New York, have invented a new and useful Improvement on a Shoe-Knife and Gauge; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 represents a perspective view.

Figure 2 represents an inside view.

Figure 3 represents a portion of the handle.

Figure 4 represents a side view, showing the gauge to the knife-blade.

Like letters represent like parts.

Letter A represents the wood of the knife-handle.

Letter B, the knife-blade.

Letter C, the gauge on the end of the handle.

Letter D, the screw.

Letter E, the wedge.

Letter F, the thumb-screw.

Letter G, the metal frame of the knife-handle.

I construct my shoe-knife and gauge of any suitable material.

The metal frame, letters G G, is made as shown in fig. 2 of the annexed drawings.

Through one end of the frame is made a hole, through which a screw, of any desired length, passes.

On the outside of the frame, and fastened to the screw, is a knurled screw-head, and on the inside of the frame is a collar on the screw, and playing against the frame, to keep the screw in position.

Travelling on this screw is a slotted wedge, made as represented in fig. 2 of the annexed drawings. Through the other end of the frame is a slot, through which the knife-blade passes.

On top of the knife-blade travels the wedge; by turning the knurled screw-head, it forces the wedge against the knife-blade and frame, thereby clamping the knife-blade to any desired length.

On the same end of the frame, but on one side, through which the knife passes, is a projection, which forms a gauge, when trimming the sole of a boot or shoe.

The knife-blade is made of any desired width and length, and of a uniform size, and without any shank, so that either end can be used.

On each side of the frame, as shown in fig. 4, of the annexed drawings, is wood fitted, of suitable size and thickness to form the handle, thereby forming the whole into any desired-size shoe-knife and gauge, with the knife-blade projecting out of the handle only so far as the operator or workman may desire.

Instead of using in this handle a knife-blade, it can be used for any tool.

What I claim as my invention, and desire to secure by Letters Patent, is—

The knife-blade B, gauge C, screw D, wedge E, and thumb screw F, when arranged substantially as and for the purpose set forth.

ROBERT R. McDONALD.

Witnesses:

LOUIS F. SMITH,

SILAS H. HINDS.