

E. S. Bitner.

Screw Driver Handle.

N^o 86,714.

Patented Feb. 9. 1869.

Fig. 1.

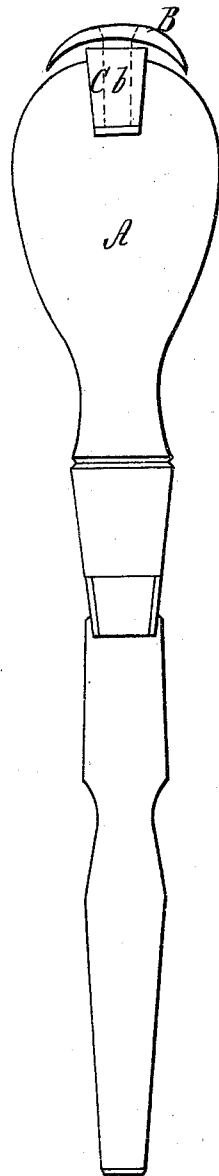


Fig. 2.

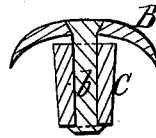
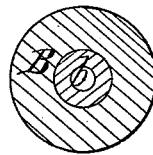


Fig. 3.



Witnesses;
Edwin James
John H. Hollingshead

Inventor;
E. S. Bitner
per J. E. F. Holmead
Attorney



ELI S. BITNER, OF LOCK HAVEN, PENNSYLVANIA.

Letters Patent No. 86,724, dated February 9, 1869.

IMPROVEMENT IN SCREW-DRIVER HANDLES.

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, ELI S. BITNER, of Lock Haven, in the county of Clinton, and State of Pennsylvania, have invented certain new and useful Improvements in Screw-Driver Handles and handles for other tools; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making part of this specification, in which—

Figure 1 is a plan view of a screw-driver with my improvement attached.

Figure 2 is a plan view of the cap and socket.

Figure 3 is a top view of the cap.

In screw-driver handles, as commonly constructed, where many screws are to be driven, the palm of the hand becomes very sore, from the constant friction occasioned by the turning of the handle. To relieve this is the object of my invention; and

It consists in loosely setting in a socket a smooth metallic cap, formed to fit the palm of the hand, and then tightly fitting this socket in a hole bored in the top of the handle. Thus, while the handle, being pressed by the palm of the hand, is turned, the cap remains stationary.

My invention is so simple in its construction, that any one can easily fit it to any screw-driver now in common use, while at the same time the cost of construction will be so small as to place it within the reach of almost any mechanic.

My invention can also be applied to gimlets, and all other tools of like construction.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A is the screw driver handle, which has a hole bored in its top.

B is the cap, which may be made of any kind of metal, and is so rounded as to fit the palm of the hand when it is partly closed.

b is the shank of the cap, which fits loosely in the socket C.

C is the socket, which fits tightly in the hole bored in the top of the screw-driver handle.

If it is not desirable to use the cap, it can be easily removed, and a piece of wood or metal, suitably formed, inserted in the hole in its stead.

Having thus fully described my invention,

What I claim therein as new, and desire to secure by Letters Patent of the United States, is—

The cap B, shank b, and socket, or ferrule, C, when the same are inserted in a suitable opening in the top of a screw-driver handle, the whole being arranged substantially as described, as and for the purpose specified.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

Witnesses:

T. C. KINTZING,
EDW'D P. MCCORMICK.

ELI S. BITNER.