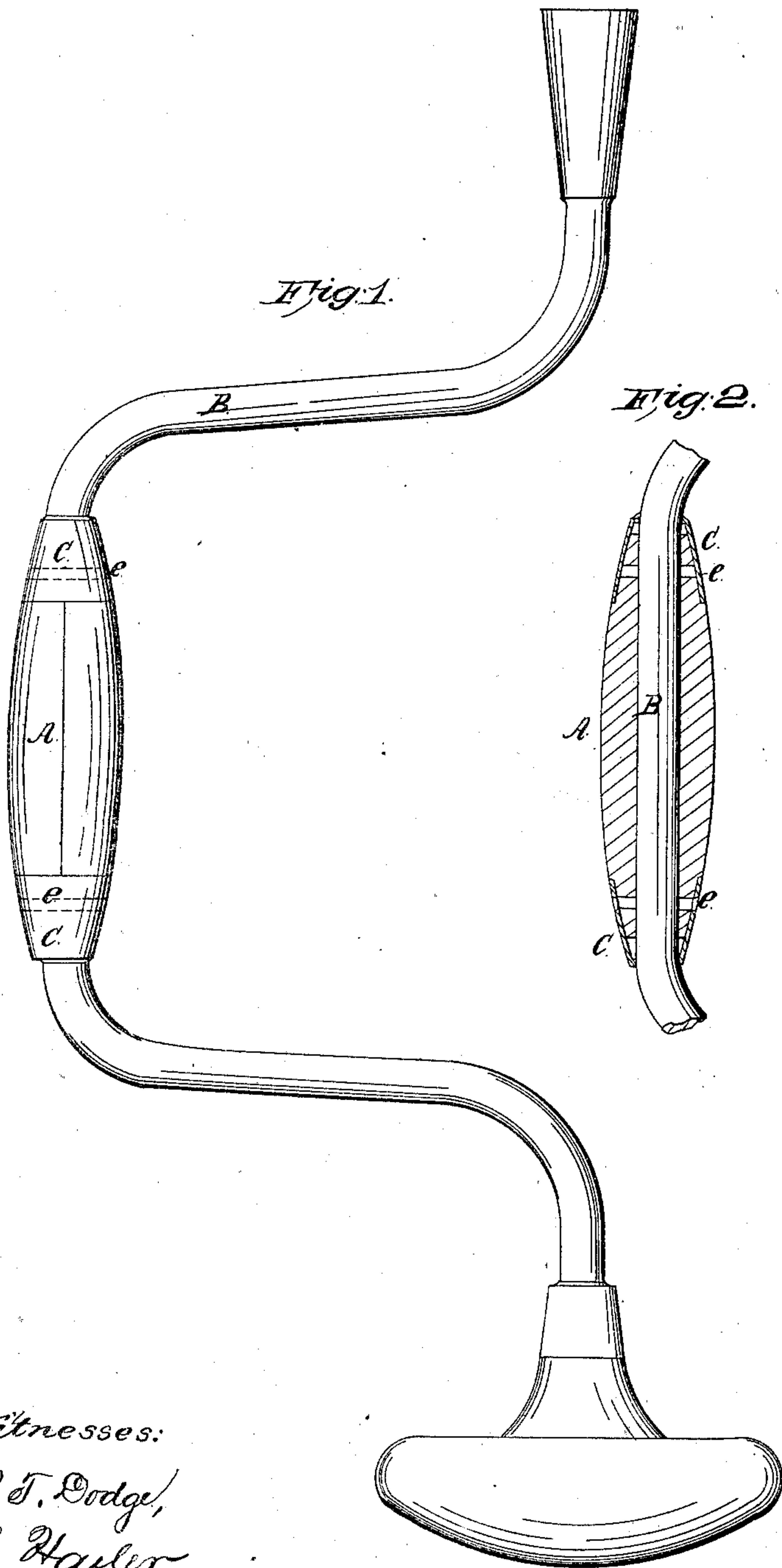


*C. B. Rose,*  
*Bit Stock.*

*N<sup>o</sup> 82,251.*

*Patented Sep. 15, 1868.*



*Witnesses:*  
*P. T. Dodge,*  
*L. Hauler.*

*Inventor:*  
*C. B. Rose.*  
*by Dodge Munn*  
*his attys*

# United States Patent Office.

CLEMENS B. ROSE, OF SUNDERLAND, MASSACHUSETTS.

*Letters Patent No. 82,251, dated September 15, 1868.*

## IMPROVEMENT IN BIT-STOCKS.

*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, CLEMENS B. ROSE, of Sunderland, in the county of Franklin, and State of Massachusetts, have invented certain new and useful Improvements in Bit-Stocks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

My invention consists in forming a handle on bit-stocks, of two pieces of wood or other suitable material, and securing them to the stock by means of ferrules, as hereinafter explained.

Figure 1 is a side elevation of a bit-stock complete, with my improvement applied.

Figure 2 is a view representing the handle in section.

In constructing bit-stocks, a variety of plans have been adopted to form the swell or handle at the centre, where it is held by the hand in turning it. Sometimes the stock itself is forged with a swell in the metal at that point to form the handle, at others, a wooden handle is applied, it being either slipped on before the stock is bent, or applied in halves, and fastened together by brads or nails. These plans are all objectionable for the reason that to forge the swell is expensive, and the wooden handles, applied as above described, soon become loose by wear.

To obviate these objections, and make a handle that is durable and neat, I make a handle as follows:

I take a piece of wood and turn it in a lathe, to the required form, as represented by A, fig. 1. I bore a hole through it lengthwise, of proper size to fit the stock B, and then cut it into halves lengthwise, first turning down each end sufficiently to receive a ferrule, C, as represented in fig. 2.

The wooden parts are applied to the stock, and the ferrules C are slipped on at each end of the handle A, where they may be secured by rivets *e* or by soldering the ends of the ferrules to the stock B, thus clamping and holding the parts of the handle firmly together, and also securing it firmly to the stock, the ferrules C of course being slipped on to the stem B of the stock before the socket or head is welded or fastened on.

It is obvious that the ferrules C may be formed with screw-threads on their interior, and be screwed on the wood, dispensing with the rivets, and that in such cases the handle may be left so as to turn loosely on the stock, a ring or other device being secured at each end to prevent it from slipping up or down on the stock, or the ferrules may be cast of soft metal on the wood, the molten metal at the same time running through the holes, thus forming ferrules and rivets all at the same time. By this means I construct a simple, cheap, and durable handle.

Having thus described my invention, what I claim, is—

The handle A, constructed of the two pieces applied to the stock B, as described, and secured by the ferrules C, all substantially as herein set forth.

CLEMENS B. ROSE.

Witnesses:

W. S. B. HOPKINS,  
F. D. BEALS.