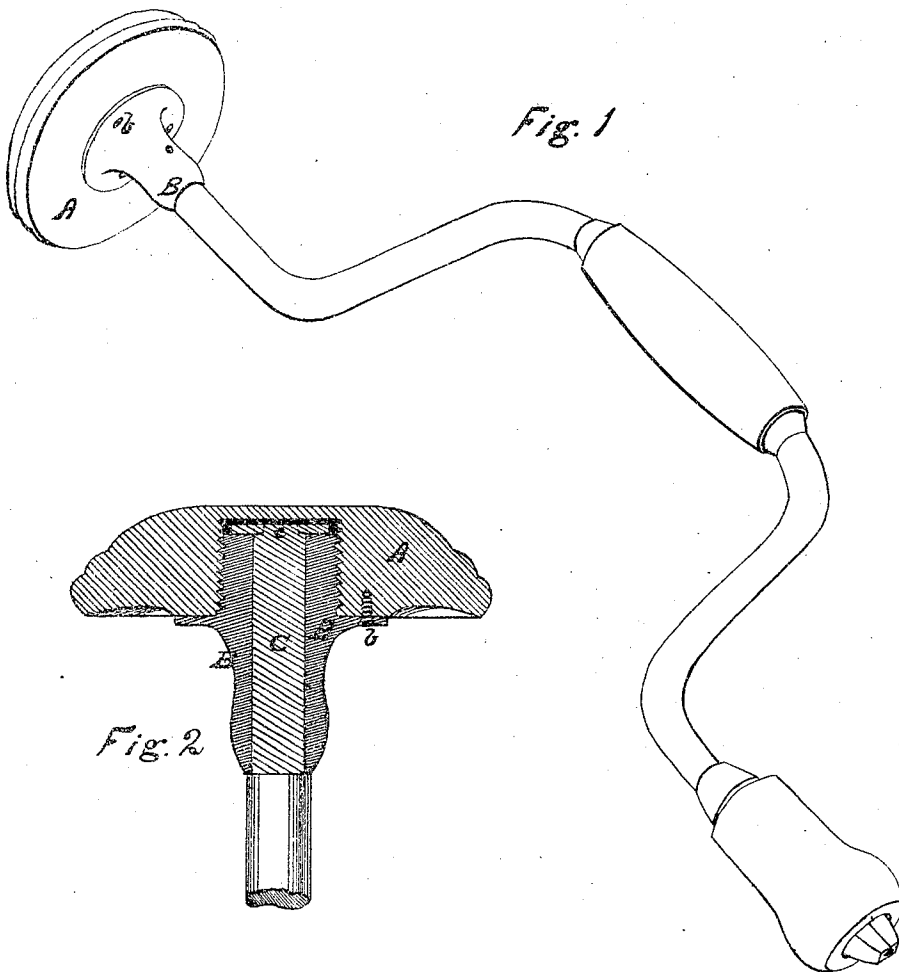


SAMUEL SAWYER.

Improvement in Bit Stocks.

No. 118,058.

Patented August 15, 1871.



Witnesses. { Edward G. Johnson
Robert H. Manners. Samuel Sawyer, Inventor.
per C. A. Duggan, Atty

UNITED STATES PATENT OFFICE.

SAMUEL SAWYER, OF ERVING, MASSACHUSETTS, ASSIGNOR TO MILLER'S FALLS MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN BIT-STOCKS.

Specification forming part of Letters Patent No. 118,058, dated August 15, 1871.

To all whom it may concern:

Be it known that I, SAMUEL SAWYER, of Erving, in the county of Franklin and State of Massachusetts, have invented a new and useful Improvement in Bit-Stocks, of which the following is a specification:

In the construction of bit-stocks heretofore, so far as known to me, the stock has been attached to the wooden head by means of a screw upon a sleeve, one end of which was secured to the bit-stock by means of a groove and pin or similar fastening, while the other end was screw-threaded, and was screwed into the wooden head, and thus became the only fastening between the head and sleeve. Much difficulty and trouble have been produced by this method of construction, as when the stock was turned in the reverse direction to that in which the screw-thread was under pressure the friction of the parts, the sleeve, and stock would be sufficient to unscrew the wooden head, and in such case the head would often split.

My invention is designed to overcome this defect; and it consists in constructing the sleeve with a flange in addition to the screw, which is secured to the head by means of screws or other proper fastenings.

Figure 1 is a perspective view of my improved

bit-stock. Fig. 2 is a vertical sectional view enlarged of the wooden head and the end of the stock secured to it.

The end C of the stock is turned off smaller than the rod D, so as to fit loosely and turn freely within the sleeve B, and the end c is secured to the washer, which prevents the stock from withdrawing from the sleeve B. The upper part of the sleeve is screw-threaded, and fits into a corresponding screw-threaded recess cut in the wooden head A. The flange forming part of the sleeve B, when the head A is screwed down on the sleeve, is secured to the under side of the head by the screws b. This construction unites the sleeve and head firmly together, and leaves the stock free to turn within the head without being likely to separate from it, and also prevents the head from becoming split.

I claim—

The sleeve B, constructed with a flange, b, in addition to the screw, and securing it to the head A, substantially as and for the purposes described and specified.

SAMUEL SAWYER.

Witnesses:

L. J. GUNN,
F. HUBBARD.