

(No Model.)

W. STOKES.
KNURLING TOOL.

No. 265,711.

Patented Oct. 10, 1882.

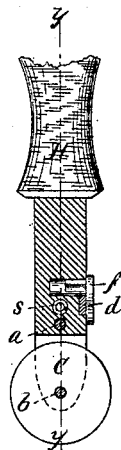


Fig. 2.

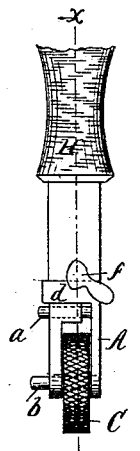


Fig. 1.

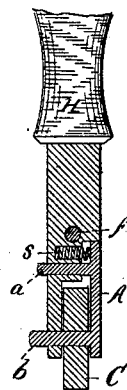


Fig. 3.



Fig. 4.

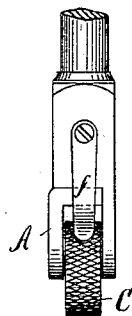


Fig. 5.

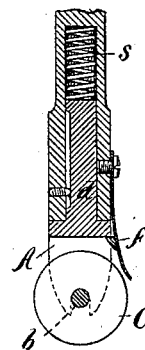


Fig. 6.

Attest:

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by his atty.

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UNITED STATES PATENT OFFICE.

WILLIAM STOKES, OF MANSFIELD, MASSACHUSETTS, ASSIGNOR OF TWO-THIRDS TO FREDERICK BOARDMAN AND SAMUEL N. STONE, BOTH OF SAME PLACE.

KNURLING-TOOL.

SPECIFICATION forming part of Letters Patent No. 265,711, dated October 10, 1882.

Application filed February 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM STOKES, of Mansfield, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Knurling-Tools, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, making a part hereof.

The object of my invention is to furnish a holding-stock for knurling-tools, which allows a change in rollers to be easily and quickly made.

My invention consists, first, in making the stock in two parts, one of which may be easily moved to effect a change in rollers; and, secondly, in combining therewith a locking device for holding the movable piece in place.

In the drawings, Figure 1 is a side elevation of a knurling-tool, showing my invention. Fig. 2 is a cross-section on line *xx* of Fig. 1. Fig. 3 is a cross-section on line *yy* of Fig. 2, showing one form of the locking device for holding the movable piece in place. Fig. 4 is a detail of the locking device shown in Fig. 3.

A is the movable piece, connected with the handle H by the guide *d*. This guide may be of the form shown in Fig. 1, sliding in a groove transversely to the length of the handle; or it may be like a tang sliding in a socket in the end of the handle, as shown in Fig. 6. The

pin *a* assists to hold the movable arm A more steadily. The spindle *b* may be attached to either the fixed or the movable arm. When the roller C is placed on the spindle and the arm A is adjusted, it is held firmly in place by a locking device, *f*, preferably of the kind shown in Fig. 4, which consists of an eccentric cam turning in a socket in the side of the stock and bearing against the guide *d*. By turning the eccentric cam *f* in its socket the movable arm A is loosened and thrown out by the spring *s*.

Figs. 5 and 6 show another form of locking device, which consists of a common spring-catch.

What I claim as my invention is—

1. The improved knurling-tool above described, having a stock in which one of the arms is separable for the purpose of removing and replacing the roller, substantially as set forth.

2. A knurling-tool having a movable arm, A, in combination with a locking device for holding the movable arm in position, substantially as described.

WILLIAM STOKES.

Witnesses:

STEPHEN F. KEACH,
WM. A. COPELAND.