W. W. McCALLIP.

Guide for Wire-Rolling Machines.

No. 202,848. Patented April 23, 1878.

Fig. 1.

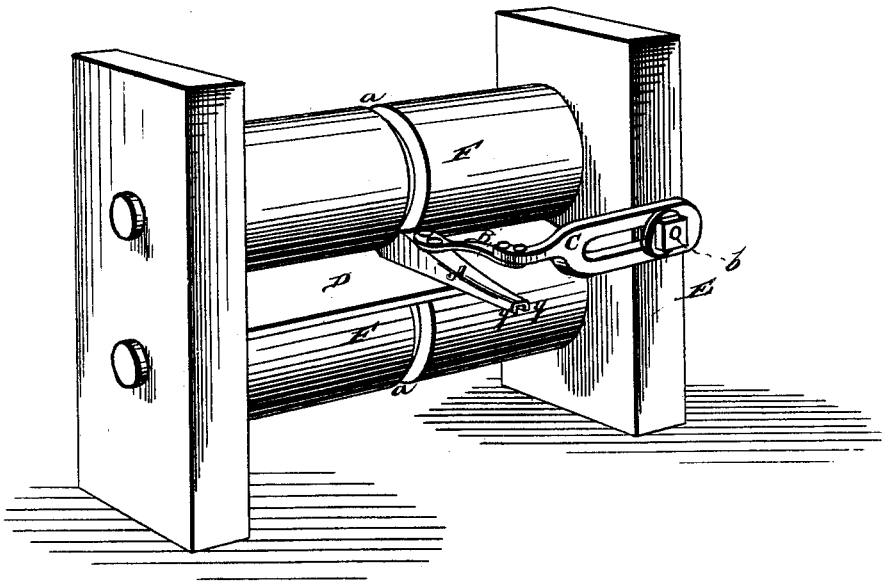
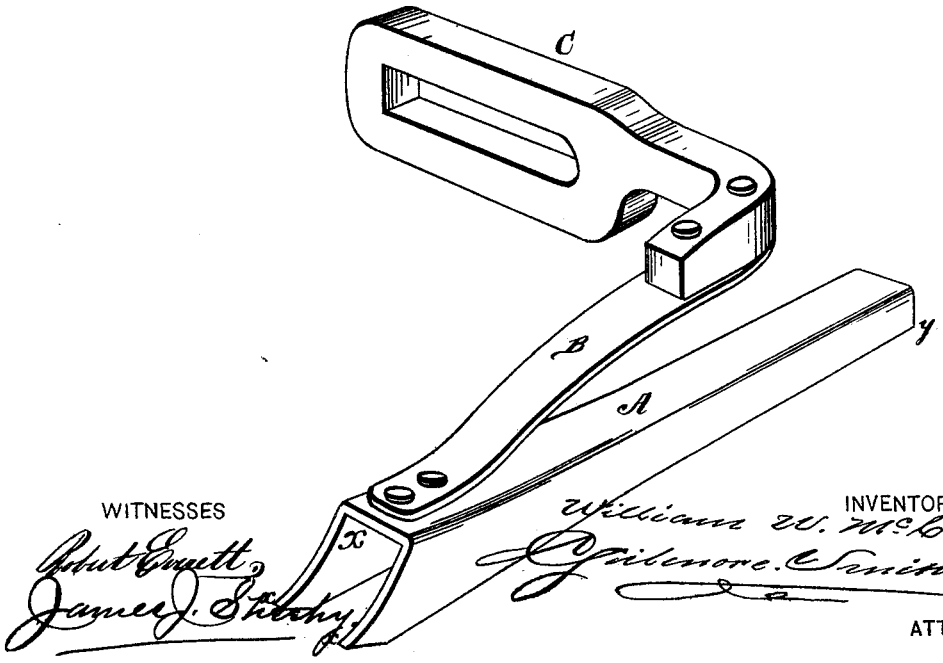


Fig. 2.



WITNESSES

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WILLIAM W. McCALLIP, OF COLUMBUS, OHIO.

IMPROVEMENT IN GUIDES FOR WIRE-ROLLING MACHINES.

Specification forming part of Letters Patent No. **202,848**, dated April 23, 1878; application filed March 30, 1878.

To all whom it may concern:

Be it known that I, WILLIAM W. McCALLIP, of Columbus, in the county of Franklin and State of Ohio, have invented a new and valuable Improvement in Machines for Rolling Wire Rods; 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, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of a machine for rolling wire rods with my guide applied, and Fig. 2 is a perspective view of the guide.

My present invention is intended as an improvement upon the machine for rolling wire rods for which Letters Patent No. 196,371 were granted to me October 23, 1877; and the nature of my invention consists in the construction and arrangement of a top guide for such machine, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents a trilateral-shaped cover or top guide, which is open at both ends, being largest and flaring at the inner end *x* adjacent to the rollers, and gradually tapering down to the end *y y* to the width and height required by the size and shape of the metal to be rolled.

B is a steel spring, riveted or bolted at one end to the top of the top guide A, near the opening *x*, and the other end riveted or bolted to a slotted arm, C.

The top guide A is placed on the ordinary guide or guide-plate D, with the largest and flaring end next to the rollers F F, and opposite the roller-groove *a;* and the said guide is secured to the housing E by means of a bolt or screw, *b*, inserted through the slot in the arm C, thus making it adjustable to differently-located roller-grooves, by being moved either backward or forward on the bolt *b*, as occasion may require.

The operation of this guide as constructed is to prevent the piece of metal issuing from the roller-grooves from having too much play, and at the same time retain sufficient flexibility in the spring to permit the escape of any squabed or flawed end, which might otherwise stop in the top guide, causing the loss of the piece of metal and considerable delay.

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

The trilateral-shaped guide A, having its inner end *x* flaring, and then tapering to the outer smaller end *y*, and said guide connected, by a spring, B, with the arm C, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM W. McCALLIP.

Witnesses:

JOHN B. JONES,

JOSEPH HEFFLEY.