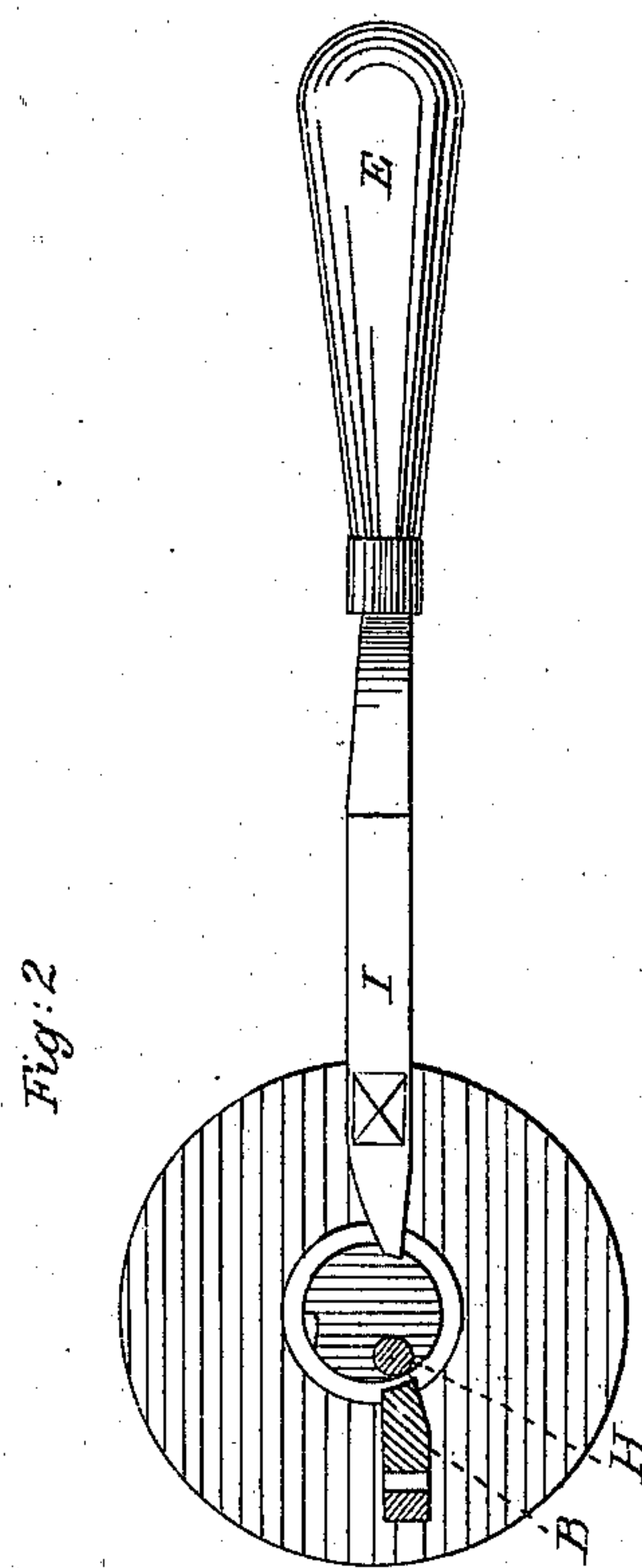
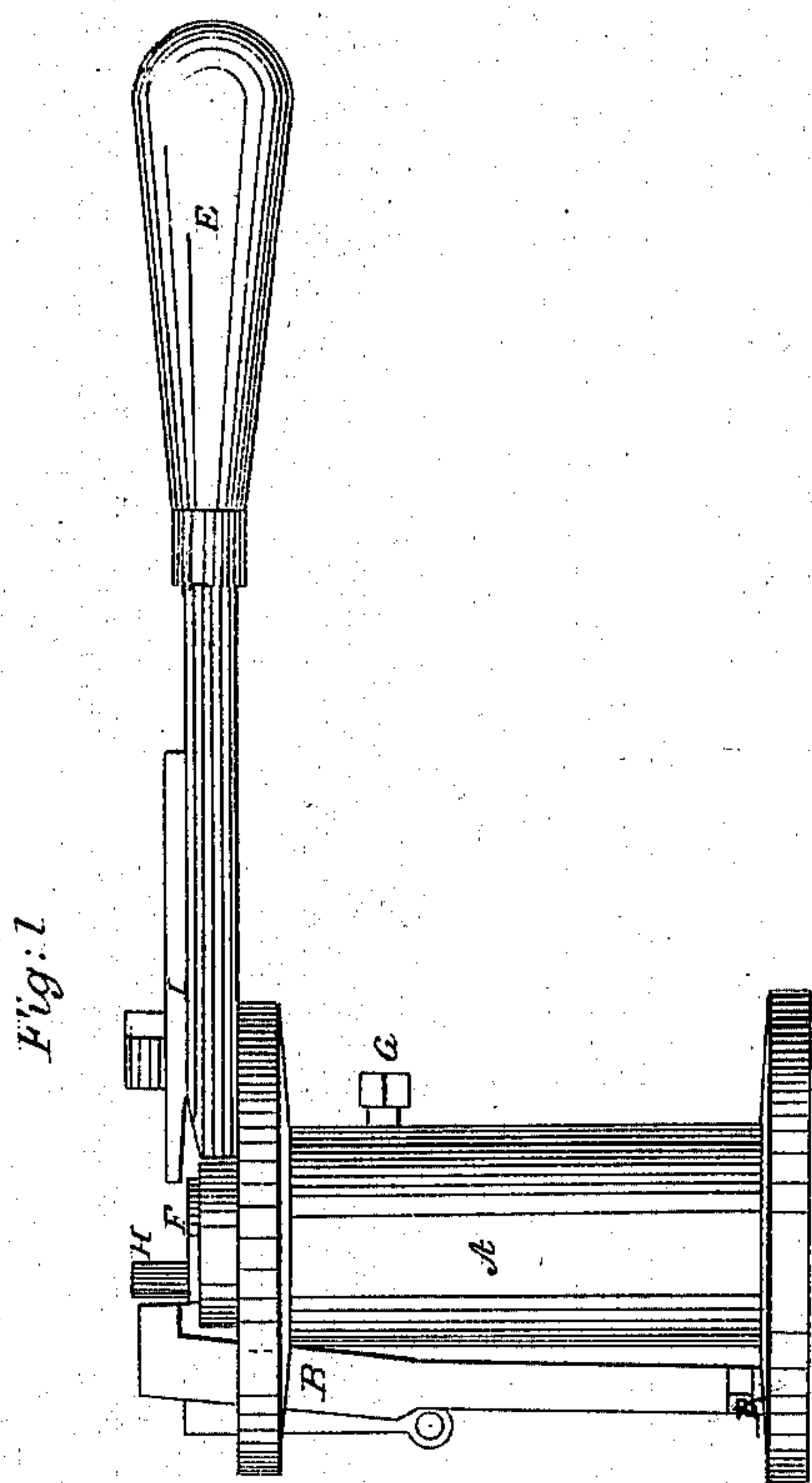


*N. C. Perry,*  
*Wire-Bending Machine.*  
*No 35,255. Patented May 13, 1862.*



*Witnesses:*  
*C. K. Alexander*  
*N. Jones*

*Inventor:*  
*N. C. Perry*



# UNITED STATES PATENT OFFICE.

N. C. PERRY, OF CHESTER, CONNECTICUT.

## IMPROVEMENT IN MACHINES FOR BENDING WIRE.

Specification forming part of Letters Patent No. 35,255, dated May 13, 1862.

*To all whom it may concern:*

Be it known that I, N. C. PERRY, of the town of Chester, Middlesex county, and State of Connecticut, have invented certain new and useful Improvements in Machines for Bending Wire; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The letter A in the annexed drawings, which make a part of this specification, represents a cylinder of iron with a wheel at the bottom to which it is attached, and another at top, the whole being of spool-like form.

B is a clamp, having near the lower end a hole through which the pivot D is made to pass, so that the clamp at its upper end may move backward or forward through a mortise formed to receive it in the upper wheel. This mortise is made sufficiently long to admit a key behind the clamp, the key being tapering, so as to adjust the clamp exactly to suit the office it has to perform.

E represents the handle or lever by which the machine is operated. The end of this handle is a flat enlargement, of a circular form, and plays upon a pivot passing through its center, being kept in its place by the disk F, which constitutes the upper part of the

pivot. The lower end of the pivot extends down into the cylinder, and is kept in its place by the screw G. Near the edge of the disk F is the eccentric-post H, around which the wire is bent. On the top of the handle is screwed the guide I, with a wedge-like end extending nearly to the post H, and having a notch cut in it to hold the wire in proper position for bending it.

The great advantage of the eccentric-post is in the gain of leverage. Were the post placed in the center of the disk and the guide I operating in close proximity to it, the bending of large wire would become difficult, if not impossible, whereas by the eccentric position of the post and the consequent eccentric motion of the guide around it, the work is effectually and beautifully performed.

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

1. The use of the eccentric-post H, in the manner and for the purpose set forth and described.

2. The guide I and the clamp B, in combination with the eccentric-post H, operated in the manner herein set forth and described.

NOAH C. PERRY.

Witnesses:

SAML. P. RUSSELL,  
FISK SHAILER.