

E. P. WEST.
Binding Folders.

No. 138,772.

Patented May 13, 1873.

Fig. 1.

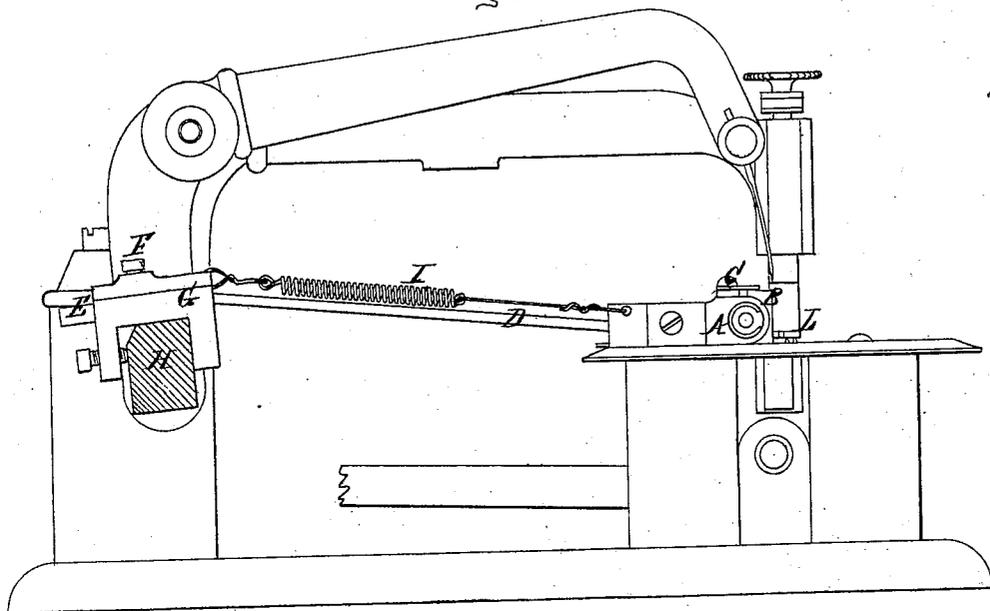


Fig. 2.

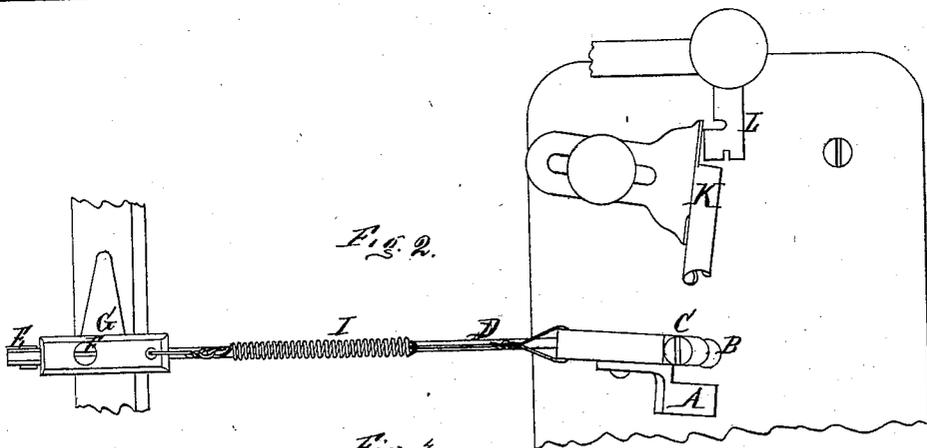
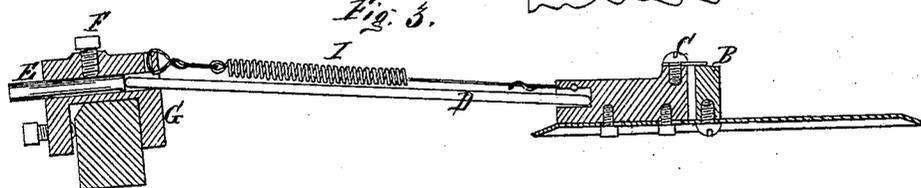


Fig. 3.



Witnesses.
John M. Ripley
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ELLIOTT P. WEST, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN BINDING-FOLDERS.

Specification forming part of Letters Patent No. 138,772, dated May 13, 1873; application filed April 10, 1873.

To all whom it may concern :

Be it known that I, ELLIOTT PENDLETON WEST, of Jersey City, Hudson county, and State of New Jersey, have invented a new and Improved Binding-Former; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification and the letters of reference marked thereon, in which the same letter represents the same thing in each figure.

Figure 1 represents a side elevation of a sewing-machine with my improved binding-former attached. Fig. 2 represents a top view of my binding-former. Fig. 3 represents a longitudinal central section of the same.

The object of my invention is to provide sure and efficient means of producing binding so turned on both edges that it will retain its form in transportation, whereby it will be marketable by the quantity to manufacturers ready for use. It is also capable of use with a sewing-machine, the feed drawing it, as fast as formed, into the mouth of an ordinary straight binder. I accomplish it by passing the binding over the thumb or a metal former, so that it will be rounded as it passes between the jaws of a pair of smooth pinchers, which define and nip the edges flat as it is drawn through. If employed with a sewing-machine the moving jaw should be so timed as to release when the feed goes forward and bite when it retreats.

A is the metal guide; B, the stationary jaw; C, the moving jaw; D, the connecting-rod; E, the pressure adjusting-pin; F, its

screw; G, the tie-piece; H, the rocker-shaft; I, the spiral spring; K, the binder; L, the presser-foot.

Operation.

Insert the strip in guide A, between jaws B and C, through binder K, and under presser-foot L, while rocker-shaft H is thrown back, which, coming forward by tie-piece G and rod D, presses jaw C against the curvilinear strips with such force as to bend and sharply fix its edges against jaw B; rocker-shaft H, going back, releases rod D and spring I; draws back jaw C, leaving the binding free from friction of the pinchers to be drawn on by the feed of the machine.

The pinchers, it will be seen, may be connected with any rotating or vibrating mechanism apart from a sewing mechanism, which causes them to open and shut.

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

1. The combination of guide A and jaws B and C, when operated together, substantially as and for the purpose specified.

2. The combination of jaws B and C and binder K, operating together substantially as specified.

3. The combination of guide A, jaws B and C, and binder K operating together, substantially as specified.

ELLIOTT PENDLETON WEST.

Witnesses:

JOHN W. RIPLEY,
GEO. H. COLLINS.