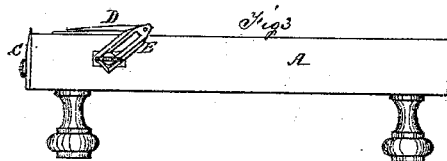
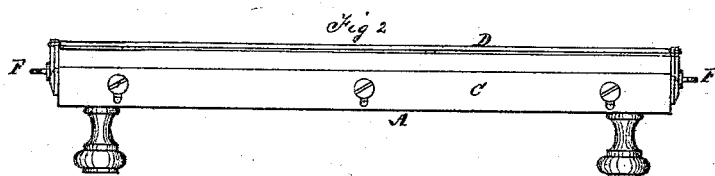
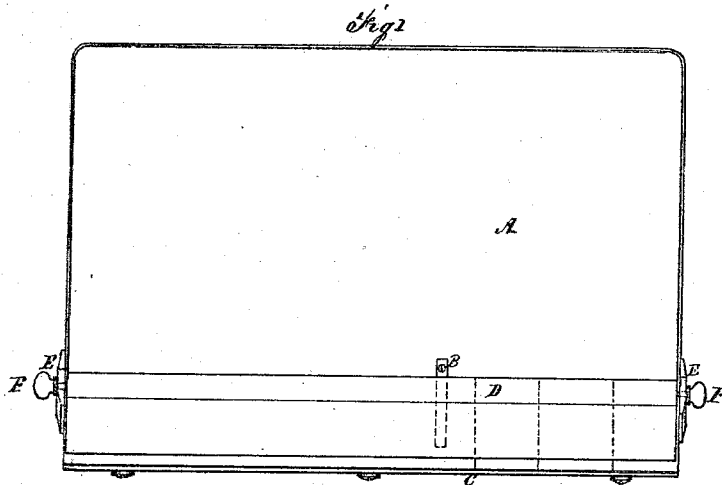


ROBERT G. LOWEY.

Improvement in Book-Binding Machines.

No. 115,621.

Patented June 6, 1871.



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Alfred J. Stone

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UNITED STATES PATENT OFFICE.

ROBERT G. LOWEY, OF BROOKLYN, NEW YORK, ASSIGNOR TO GEORGE H. SANBORN, OF SAME PLACE.

IMPROVEMENT IN BOOK-BINDING MACHINES.

Specification forming part of Letters Patent No. 115,621, dated June 6, 1871.

To all whom it may concern:

Be it known that I, ROBERT G. LOWEY, of Brooklyn, Kings county, New York, have invented, made, and applied to use a new and useful Machine for Beveling Boards for Book-Binders; and that the following is a full, clear, and correct description of the same, reference being had to the accompanying drawing making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a top view of my improved beveling-machine. Fig. 2 is a front view of the same. Fig. 3 is an end view of the same.

In the drawing like parts of the invention are pointed out by the same letters of reference.

The nature of the present invention consists in certain improvements, as more fully hereinafter set forth, in the construction of machines for beveling boards for use among book-binders, the object of the invention being to expedite this class of work.

To enable those skilled in the art to make and use my invention, I will describe the construction and operation of the same.

A shows the platform of the machine, formed of wood or any suitable material and provided with a gage, B, rendered adjustable upon the platform, which gage B forms, when placed in position, a support for one end of the board to be beveled, and prevents the same from slipping when being beveled. The gage B is rendered adjustable to accommodate different-sized boards. C shows a front gage, attached to the front side of the platform A, the upper portion of which is made gradually beveling, and is rendered adjustable. D shows an upper gage, made flat upon its under side, while its upper side is made gradually beveling. This gage D is held in ear-pieces, E, attached upon the ends of the platform A. The ear-pieces are provided with elongated slots, to

allow of their adjustment, and are held in any desired position after having been adjusted to the extent of the elongated slots by means of the thumb-screws F entering into and bearing in plates of metal let into the ends of the platform A.

Such being the construction, the operation is as follows: The gage B is set to accommodate the length of board to be beveled. The side-gage C is adjusted by means of the set-screws, to the thickness of the edge of the board to be beveled, and the top gage D is regulated by setting it backward or forward, as required, by means of the slotted end-pieces to the width of bevel to be given to the board. The board is now introduced beneath the top gage D, and rests upon the platform A, its side resting against the side gage C. The operator then, by means of a hand-knife drawn over the forward portion of the board, or that portion of the board projecting beyond the top gage D, cuts away a portion of the board, leaving a beveled surface upon that portion of the board. The beveled board may be removed, and, a second board being introduced beneath the top gage, the operation first described may be repeated.

Having thus described my invention, what I claim as new is—

1. The combination of a platform, A, front gage C, and top gage D, when the same shall be constructed and operated substantially as and for the purposes set forth.

2. In combination with the platform A and gages C and D, constructed and operated as described, the gage B, for the purposes specified.

ROBERT G. LOWEY.

Witnesses:

A. SIDNEY DOANE,
R. T. VAN BOSKERCK.