H. W. ROKKER.

Book-Binder's Beveling Machine.

No. 200,804. Patented Feb. 26, 1878.

Fig. 1.

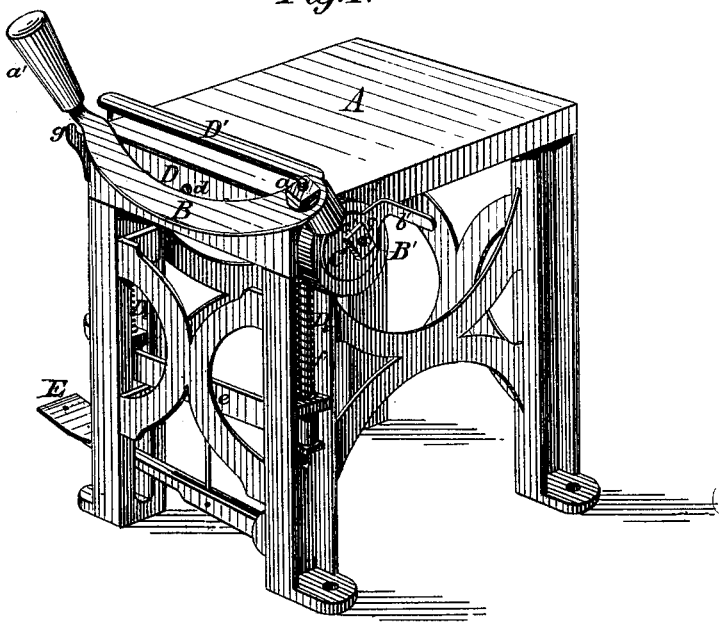


Fig. 2.

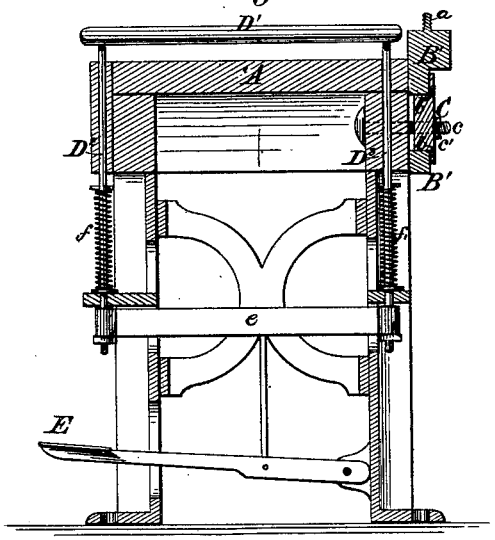
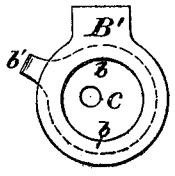


Fig 3.



Attest:

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UNITED STATES PATENT OFFICE.

HENRY W. ROKKER, OF SPRINGFIELD, ILLINOIS.

IMPROVEMENT IN BOOK-BINDERS' BEVELING-MACHINES.

Specification forming part of Letters Patent No. **200,804**, dated February 26, 1878; application filed February 20, 1877.

To all whom it may concern:

Be it known that I, HENRY W. ROKKER, of Springfield, in the county of Sangamon and State of Illinois, have invented a new and useful Improvement in Beveling-Machines; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to book-binders' beveling-machines; and its object is to provide simple means for changing the angle of the cutting-knife without disturbing the horizontal position of the table; and my invention therein consists, mainly, in the cam or eccentric for adjusting and giving the proper bevel to the cutting-knife; and, further, in the construction, arrangement, and combination of the several parts of my machine, all as more fully hereinafter explained.

To enable others skilled in the art to manufacture my machine, I proceed to describe the same with reference to the drawings, in which—

Figure 1 is a perspective view of my machine; Fig. 2, a vertical section through the operative parts; and Fig. 3, a separate view of the cam and frame for adjusting the cutting-knife.

Like letters denote corresponding parts in each figure.

A represents the table, supported in a horizontal position by any suitable frame-work, adapted to be secured to the floor in the usual manner.

B is the cutting-knife, of the ordinary form, pivoted at its heel to a circular frame, B′, by a bolt, *a*, and having a handle, *a′*, for operating the same.

The frame B′ has a central circular opening, in which works a cam or eccentric, C. This cam has a flange, *b*, bearing on the frame B′, and a projection, *b′*, by which it is turned. The frame and cam are secured to the side of the machine by a bolt, *c*, passing eccentrically through the cam, and provided with a suitable nut, *c′*. It will be seen, then, that by the eccentric position of the bolt *c*, the knife can be given the desired angle with regard to the table, and at the same time adjusted to the required distance from the bolt.

A stationary knife, D, is secured at the end of the table by set-screws *d*, which allow the knife to be adjusted vertically. A stop, *g*, is attached to the table at one corner, against which the toe of the knife B strikes to limit its movement.

D^1 is a clamping-bar, extending across the front end of the table, a short distance back of the stationary knife D. This bar is connected at the ends with rods D^2 D^3 passing down through brackets in the sides of the table. The lower ends of these rods are joined by a cross-bar, *e*, which is connected with a foot-treadle, E, for operating the clamping-bar.

Spiral springs *f* *f′* on the rods D^2 D^3 keep the clamping-bar at a suitable elevation above the table, and, when in operation, return it to such position after the treadle is released.

In the operation of my machine, the paper to be cut is laid upon the table, under the clamping-bar, which is forced down upon it by the foot of the operator upon the treadle, by which means it is held firmly in place. The knife, having been adjusted properly, and given the desired bevel, the paper can be easily cut, the stop *g* limiting the motion of the knife at the end of the stroke.

The advantages of my device lie principally in the ease and readiness with which the cutting-knife can be adjusted by the movement of the cam, without changing the position of the table.

Having thus fully described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. In a book-binder's beveling-machine, the combination of the cutting-knife and a movable eccentric bearing, to which the said knife is pivoted, substantially as and for the purposes set forth.

2. In a book-binder's beveling-machine, the combination, with the knife B, of the frame B′, cam C, and bolt *c*, constructed and arranged substantially as described and shown.

This specification signed and witnessed this 6th day of December, 1876.

HENRY W. ROKKER.

Witnesses:

SAML. D. SCHOLES,

T. C. MATHER.