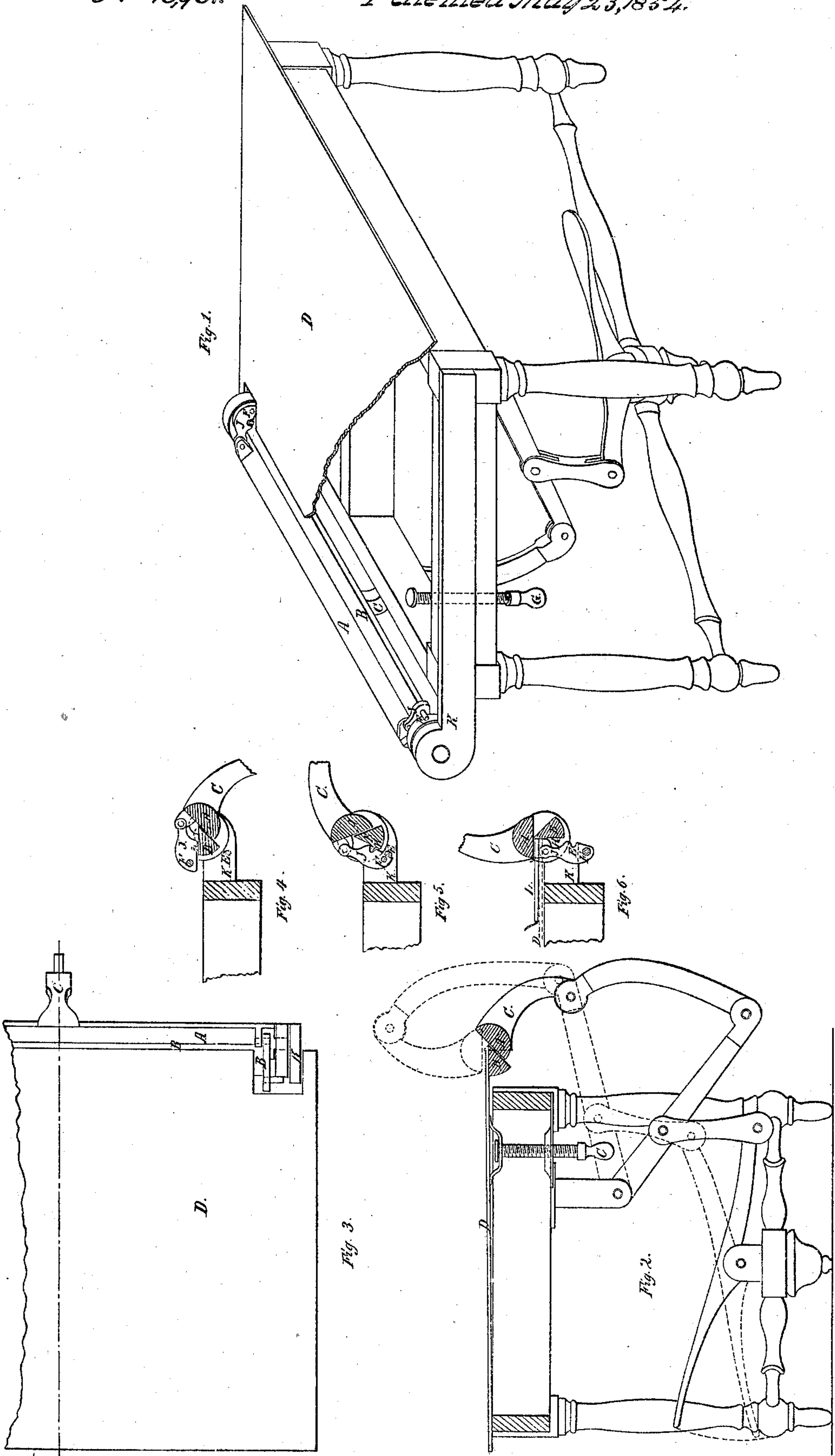


*L. Danforth.*  
*Making Book Covers.*  
*N<sup>o</sup> 10961.*  
*Patented May 23, 1854.*





# UNITED STATES PATENT OFFICE.

LORING DANFORTH, OF BUFFALO, NEW YORK.

MACHINE FOR MAKING BOOK-COVERS.

Specification of Letters Patent No. 10,961, dated May 23, 1854.

*To all whom it may concern:*

Be it known that I, LORING DANFORTH, of Buffalo, in the county of Erie and State of New York, have invented a new and useful Machine for the Manufacture of Book Covers or Cases; 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 nature of my invention consists in combining a pair of folders having two distinct movements; the edge of the one being the center of motion of the other so as to produce a perpendicular and parallel motion in quick succession thus accomplishing at once what otherwise requires much time.

To enable others to make and use my invention I will proceed to describe its construction and operation.

Figure I is a perspective view of the machine with part of the bed plate D, removed or broken to show the folders A and B, with the lifter C. Fig. II is a transverse section representing the operation of the machine. Fig. III represents the bed plate D, with the folders A and B at rest. Fig. IIII represents the position of the folders at rest with the machinery that connects and detaches the folders when used. Fig. V shows the position of the folder B, when nearly perpendicular and at the time when the two motions are detached or separated. Fig. VI represents the position of the two folders A and B, when the surface of the folder B, is perpendicular and the plain surface of A, is parallel to the bed plate D and the movement is complete.

The folders A and B are united at the ends in such a manner that the center of motion of the folder A, Fig. VI, is the acute

angle of the folder B, as shown in the same figure and both are so connected by means of the latchet J that they move together until the pivot F, Fig. IIII, of the latchet J strikes the pivot E, Figs. 4 and 5, in the bearer K when the folder A is allowed to move onward as in Fig. VI till its plane surface is parallel to the bed plate D.

When used the book cover is placed upon the surface of the bed plate D, Fig. II (which bed plate may be elevated or depressed by means of the thumbscrews G, according as the work to be done is thick or thin), with the edge of the cover resting upon the surfaces of the two folders A and B, and by the connecting machinery the lifter C, is elevated until the surface of the folder B (Fig. VI) is perpendicular with the bed plate D and against the edge of the book cover L, when by means of the pivot E, Fig. V, striking the point F the latchet J (connected with the folder A) is detached from the pivot H (connected with the folder B) and the folder A, passes onward until its plane surface is parallel to the bed plate D and the work is complete as in Fig. VI.

What I claim as my invention is—

The combination and connection of the motions of the two folders A and B, in such a manner that their movements may be used upon the edge of any material such as a piece of junkboard, wood, or other substance, to fold the cloth leather or paper and form a true; angular; and even edge in the manner and for the purposes herein described and represented.

LORING DANFORTH. [L. s.]

Witnesses:

ALBERT BIGELOW,  
I. DANFORTH.