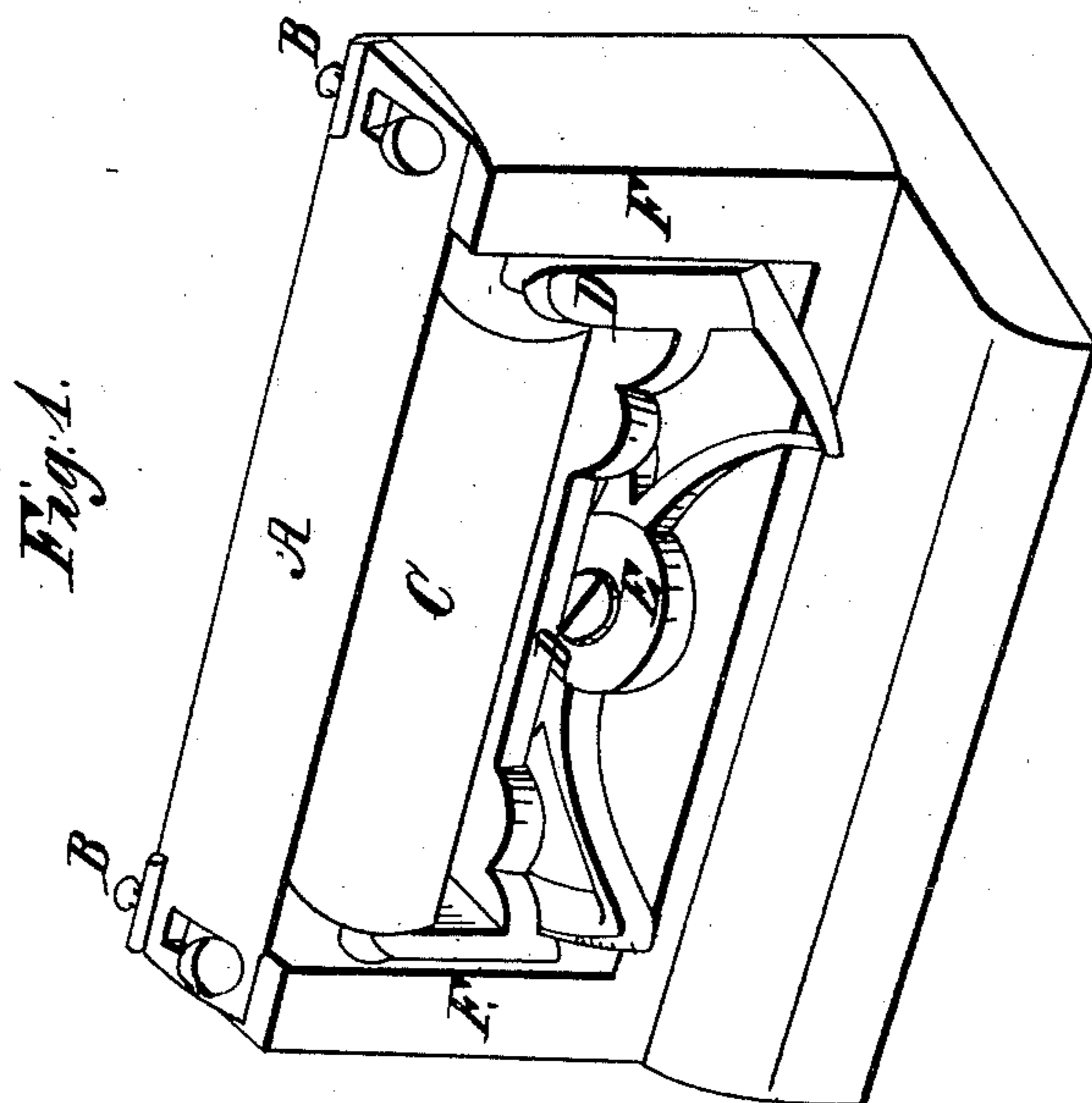
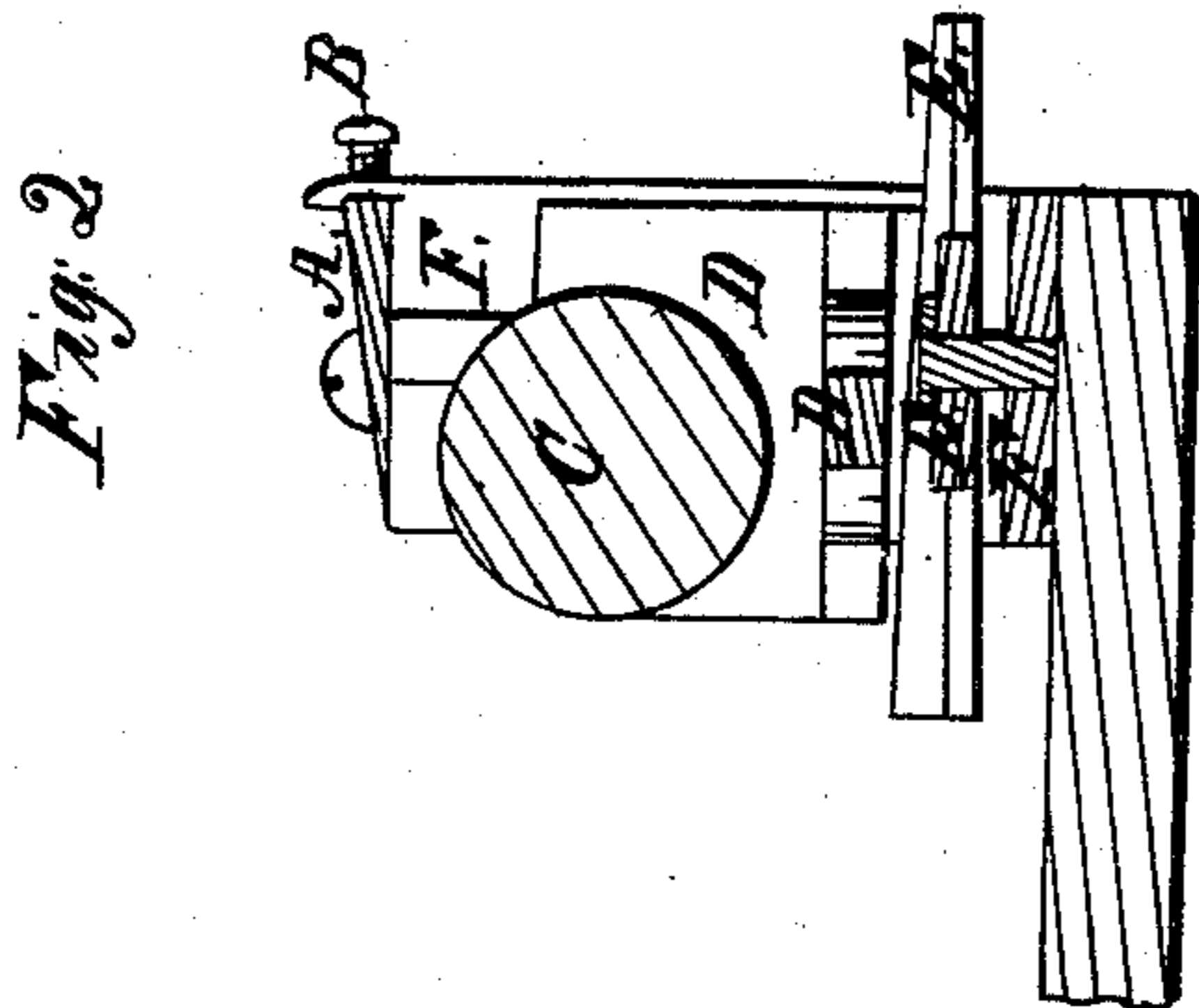


L. W. BEECHER.
LEATHER GAGE.

No. 8,917.

Patented May 4, 1852.



UNITED STATES PATENT OFFICE.

LEWIS W. BEECHER, OF AVON, NEW YORK.

LEATHER-GAGE.

Specification of Letters Patent No. 8,917, dated May 4, 1852.

To all whom it may concern:

Be it known that I, LEWIS W. BEECHER, of the town of Avon, in the county of Livingston and State of New York, have invented a new and useful Improvement in Raising and Lowering a Roller and Bringing it in Contact with a Knife for the Purpose of Shaving and Gaging Leather for the Manufacturing of Harness, Saddles, Boots, Shoes, and Bookbinding; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, in which—

Figure 1 is a perspective view; Fig. 2 a central transverse section.

Letter A is the knife that rests upon the top of the machine, having two long square holes through it, one at each end, through which screws are inserted into the frame which confines the knife and keeps it in its proper place when used.

Letters B. B. are two set screws that are inserted through a part of the frame at the top and back of the knife for the purpose of keeping the knife in a proper position for shaving different kinds of leather. When a hard thick piece of leather is to be shaved, such as sole leather, then the edge of the knife is to be put back from the center of the roller one half of a sixteenth of an inch, but when soft springy leather or shoe binding to be cut then the edge of the knife to be placed directly over the center of the roller. Letter C. a roller that lies in a movable frame under the knife upon which the leather moves when drawn through.

Letters D. D. is a movable frame running

in grooves one at each end. This movable frame contains the roller and has two reversed wedges upon the under side.

Letter E. is an inclined plane which lies under the movable frame, through which is inserted a screw in the center into the bottom of the principal frame, on which it turns. This has two reversed wedges, one upon each end, which lie under and upon which the two wedges upon the movable frame rest, these wedges lying transversely upon each other, so that when it is turned by use of a thumb piece which is upon the left hand side of it causes the frame that contains the roller to move up and down, and the leather put in between the roller and knife and the roller raised presses the leather against the edge of the knife, and being drawn through by the hand doth shave and gage it to an exact thickness.

Letters F. F. are the outside frame, which is screwed to a board, and the whole is screwed down to the work bench or any secure place for use.

This machine is made of cast-iron except the roller and knife, and of a size large enough to shave leather from the narrow strap to two feet wide to a perfect thickness.

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

The wheel E with its inclined planes or wedges arranged so as to act upon the roller frame substantially in the manner herein set forth.

LEWIS W. BEECHER.

Witnesses:

JOHN T. HALL,
F. M. CUTTER.