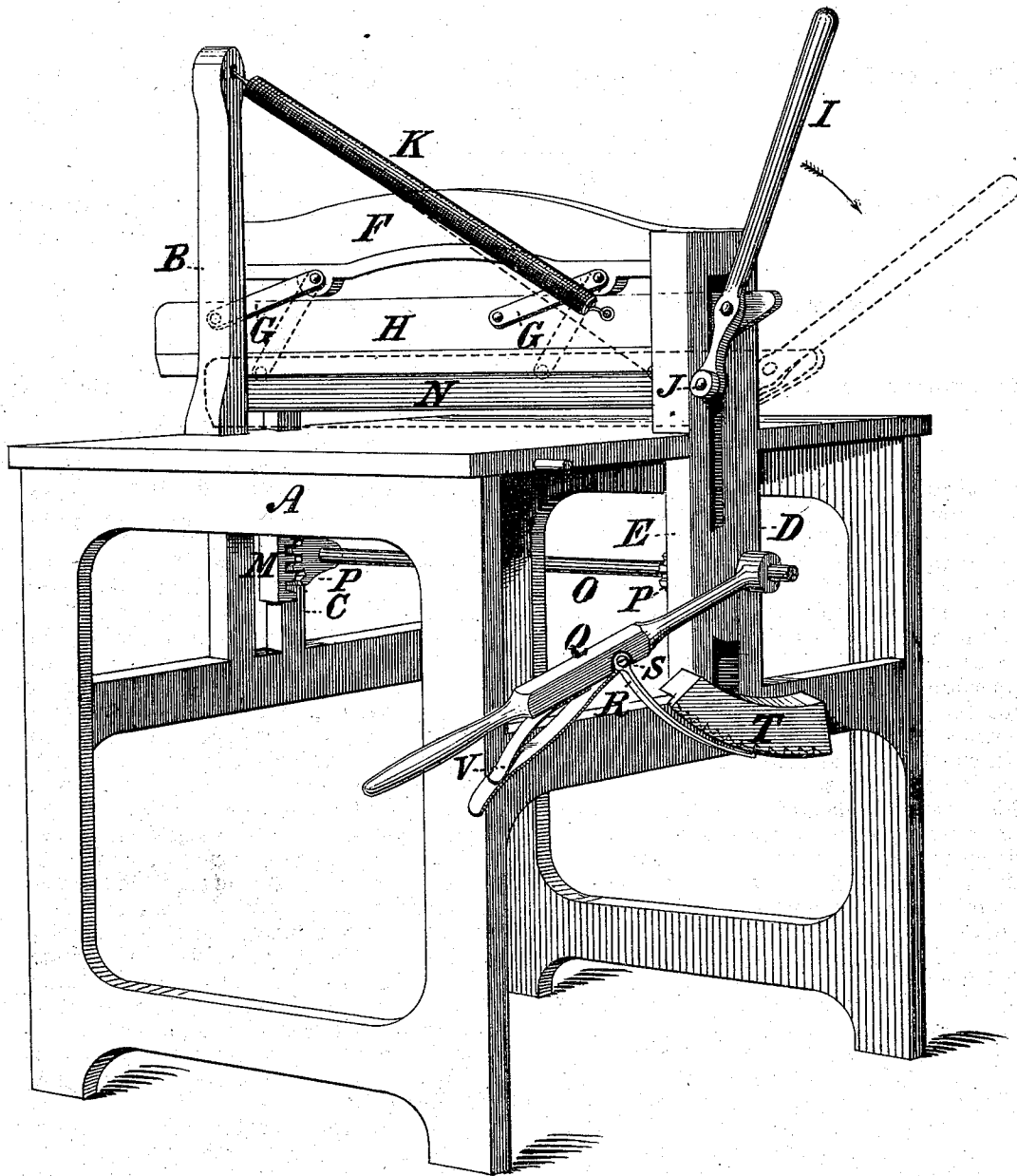


D. HESTON.

Paper Cutting-Machines.

No.156,286.

Patented Oct. 27, 1874.



Witnesses:

John Everding
J. Snowden Bell.

Inventor:

David Heston,
by his Atty,
Horace Binney, 3rd.

UNITED STATES PATENT OFFICE.

DAVID HESTON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO ROBERT S. MENAMIN, OF SAME PLACE.

IMPROVEMENT IN PAPER-CUTTING MACHINES.

Specification forming part of Letters Patent No. **156,286**, dated October 27, 1874; application filed September 15, 1874.

To all whom it may concern:

Be it known that I, DAVID HESTON, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Paper-Cutting Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification, and in which the said improvement is represented in perspective.

This invention relates to the cutting mechanism of machines for severing each label successively from a sheet, on which a number of labels have been printed; and it consists in the combination of devices hereinafter described.

A, in the drawing, represents the table of a label-cutting machine. B, C, D, and E are standards which support the cross-bar F, and between which the knife-bar and clamps are arranged. G G are links, pivoted at one end to the bar F, and at the other to the knife-bar H. I is a hand-lever, pivoted to said knife-bar and carrying a friction-roller, J, on its lower end. K is a spiral spring, one end of which is fastened to standard B, and the other to the knife-bar. M M are racks sliding between the standards and supporting the clamp N. O is a shaft supported on the standards C and D, and carrying two segment-gears, P

P, which mesh with the racks M M. Q is a hand-lever rigidly attached to shaft O, and carrying a dog, R, pivoted to it at S. T is a ratchet secured to the frame of the machine. V is a spring on the lever Q, by which the dog is made to engage with the ratchet T.

The operation of this improvement is as follows: The sheet on which the labels are printed, having been placed on the table in position for cutting, is clamped in that position by moving the lever Q downward, the rotation of shaft O bringing the clamp down to the table by means of the racks and segments, and the dog and ratchet keeping it fixed. The lever I is then moved into the position shown in dotted lines, thereby bringing down the knife and severing the label, a movement which is facilitated by the roller J traveling on standard E, and the knife-bar is retracted by spring K. The clamp is released by pressing the dog against the spring V and toward the handle of lever Q, and is then raised by said lever and the operation repeated.

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

The combination, substantially as shown and described, of the standards B and E, spring K, knife-bar H, lever I, and roller J.

DAVID HESTON.

Witnesses:

H. C. BLELOCK,
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