(No Model.)

J. E. TYLEE.

PAPER AND CARD CUTTER.

No. 303,472. Patented Aug. 12, 1884.

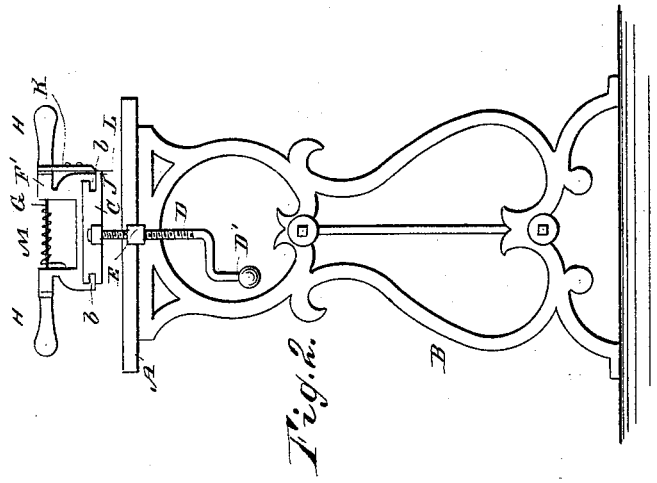

Fig. 2.

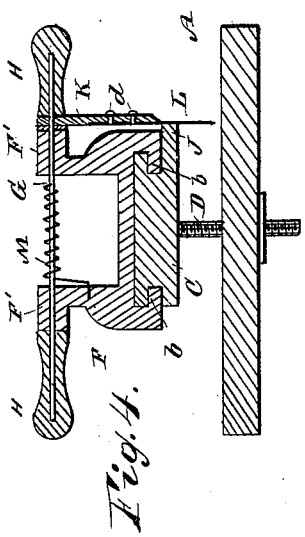

Fig. 4.

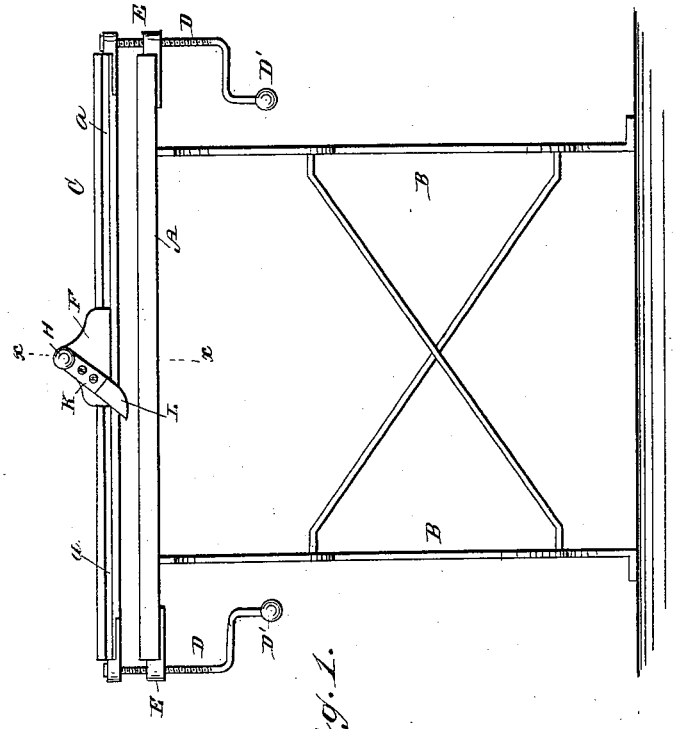

Fig. 1.

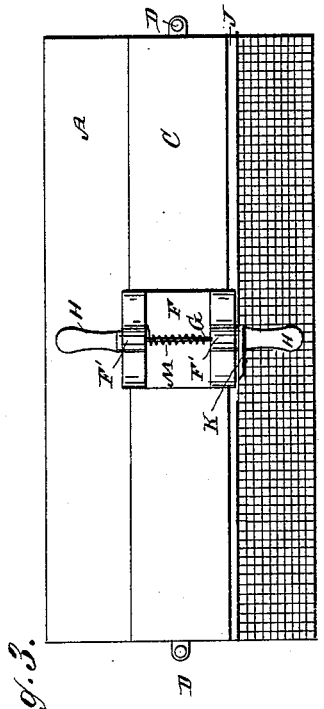

Fig. 3.

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PAPER AND CARD CUTTER.

SPECIFICATION forming part of Letters Patent No. 303,472, dated August 12, 1884.

Application filed January 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. TYLEE, of Ashland, in the county of Saunders and State of Nebraska, have invented a new and Improved Paper and Card Cutter, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved machine for cutting paper, cards, card-board, and other like material to any desired size.

The invention consists in the construction and combination of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal elevation of my improved paper and card cutter. Fig. 2 is an elevation of the same. Fig. 3 is a plan view of the same. Fig. 4 is an enlarged cross-sectional elevation of the same on the line *x x*, Fig. 1.

The top plate, A, of the table on which the paper is placed is supported at the ends by two leg-frames, B, suitably united and braced. Above the top plate A a clamping-bar, C, is held longitudinally, in the ends of which bar C the upper ends of clamping-screws D are held, to turn which screws pass through fixed nuts E on the ends of the top plate, and which screws are provided at their lower ends with crank-handles D′ for turning the screws. A longitudinal groove, *a*, is formed in each longitudinal edge of the clamp-bar C, into which grooves *a* tongues *b* pass, which are formed on the lower end of a cutter head or block, F, resting on the upper surface of the clamp-bar and adapted to slide on the same; but the said cutter-head cannot be lifted from the clamp-bar. In upwardly-projecting lugs F′ of the cutter-head a transverse shaft, G, is held, to turn on each end of which a handle, H, is rigidly mounted. At the bottom of one side of the clamp-bar C a projecting guide-edge, J, is formed. An arm, K, projects downward from the shaft G, and to the said arm the cutter-blade L is held by screws *d*, the inner surface of which blade rests against the side edge, J. A spiral spring, M, coiled around the shaft G, has one end secured in the cutter-head, and the other end is fastened to the shaft G, which spring turns the shaft G in such a manner as to swing the cutter-blade upward as soon as the handles H are released. Part of the top of the table is divided into small squares by longitudinal and transverse lines, to gage the paper or cards to be cut.

The operation is as follows: The paper, card-board, or other like material to be cut is placed on the top plate, and is held firmly on the same by means of the clamp-bar C, which is pressed on the stack of paper by the clamp-screws D. The knife-block is then at that end of the table at which the operator stands. The operator seizes the handles H of the shaft G and turns the shaft G in such a manner as to swing the blade L downward, and the cutter is pushed in the direction from the operator. The cutter-blade L, sliding along the edge J, cuts off that part of the paper, card-board, &c., projecting beyond the said edge. As soon as the handles H are released, the spring M swings the blade L upward, so that the cutter can be moved back again.

By means of the squares on the top plate, A, the stack of paper can be adjusted to be cut the desired size.

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

1. In a paper and card cutter, the combination, with the table A, of the bar C, the screw D, the sliding cutter-head F, the shaft G, the handles H, the blade L, and the spiral spring M, coiled around the shaft G, and having one end secured to the cutter-head F and the other end secured to the shaft G, substantially as herein shown and described.

2. In a paper and card cutter, the combination, with the table A, of the clamp-bar C, the screws D, the cutter-head F, the shaft G, the handles H, the arm K, and the blade L, screwed on the same, substantially as herein shown and described.

JAMES E. TYLEE.

Witnesses:

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