

(No Model.)

E. JOHNSON.

MACHINE FOR CUTTING SHOE STRINGS, &c.

No. 304,824.

Patented Sept. 9, 1884.

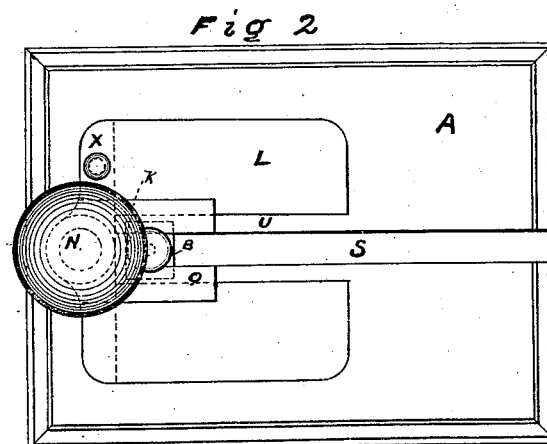
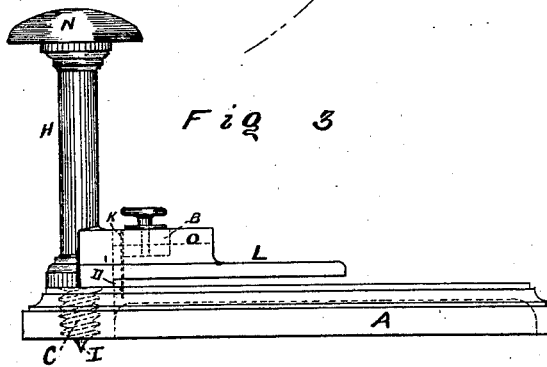
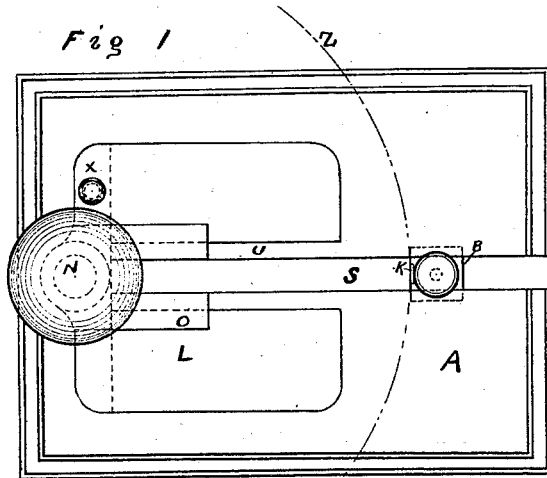


Fig 5

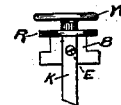
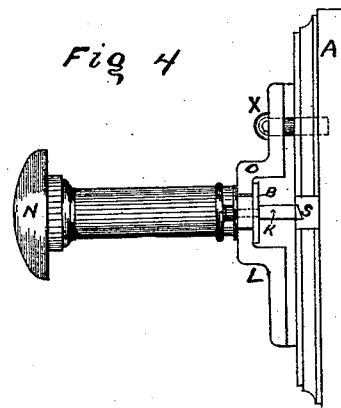


Fig 4



witnesses
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UNITED STATES PATENT OFFICE.

ERIC JOHNSON, OF NEW ORLEANS, LOUISIANA.

MACHINE FOR CUTTING SHOE-STRINGS, &c.

SPECIFICATION forming part of Letters Patent No. 304,824, dated September 9, 1884.

Application filed April 7, 1884. (No model.)

To all whom it may concern:

Be it known that I, ERIC JOHNSON, a resident of the city of New Orleans, parish of Orleans, State of Louisiana, have invented a new and useful Machine for Cutting Shoe-Strings, Whip-Lashes, &c., of which the following is a specification.

My invention relates to a machine for cutting leather in long strips; and the objects of my invention are, first, to provide a means by which shoe-strings, whip-lashes, &c.; can be made from the small cuttings or refuse scraps of leather; second, to afford facilities for preparing the leather for the machine. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the machine, showing the knife in position for preparing the leather. Figs. 2, 3, and 4 are respectively a plan, side, and end elevation of the machine, showing the knife in position for cutting the leather in long strips. Fig. 5 is an end view of the knife and slide-block.

Similar letters refer to like parts throughout the several views.

The base A is provided with the slot S, which receives and guides the block B, carrying the knife K. The handle H, having the knob N, and carrying the projecting plate L, is provided with a screw, C, by which it is secured to the base A. On the end of screw C is formed a sharp point, I. The projecting plate L has a raised slot, O, for receiving the block B, carrying the knife K. The base of projecting plate L has a wide slot, U, to allow the block B to be placed in slot S of the base A, directly under the projecting plate L. The projecting plate L is also provided with the shoulder D.

X is a pin passing through the projecting plate L and the base A, to keep the projecting plate L in position. The knife K is placed in a vertical recess in the block B and secured thereto by the screw E, the knife K being of sufficient length so that when placed in the slot O of the projecting plate L the point of knife will come below the top of the base A. The block B, carrying the knife K, is provided with a washer, R, and a thumb-screw, W, by which the knife can be set at any point desired.

The operation of the machine is as follows,

viz: The piece of leather which is to be cut is first cut into a true circle by setting the point I on the end of screw C in the center of the piece of leather, thus forming a radial point. The block B, carrying the knife K, is placed in the slot S of the base A, and the whole machine is then revolved on the point I, thus cutting the leather to a true circle, as shown by the dotted lines Z Z, Fig. 1. The diameter of circle can be varied by changing the position of the knife K in the slot S. The leather thus prepared is placed on top of base A and under the projecting plate L, which keeps the leather in position. The knife K and block B are placed in the slot O of the projecting plate L, and the leather pressed against the shoulder D and turned until the knife K has commenced to cut, when the operator takes hold of the strip of leather which has left the knife and pulls on the same until the piece of leather is cut into one continuous strip. The width to which the leather is cut is determined by the distance between the shoulder D and the knife K, which can be regulated by the block B, provided with the washer R and thumb-screw W.

The machine is adjusted to cut any thickness of leather by screw C on handle H, and is accomplished by removing the pin X and revolving the handle H until the distance between the bottom of projecting plate L and the top of base A will admit the leather to be cut.

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

1. The combination, in a machine for cutting shoe-strings, whip-lashes, &c., of the base A, provided with the slot S, with the handle H, carrying the projecting plate L, provided with the shoulder D and slots O and U, and the screw C, provided with the point I, all substantially as set forth.

2. The combination of the base A, provided with slot S, and the projecting plate L, provided with the slots O and U, with the block B, carrying the knife K, and the pin X, all substantially as described, and for the purpose specified.

ERIC JOHNSON.

Witnesses:

M. J. REILLEY,
WM. WARDROP.