

N. PAQUETTE.
Machines for Cutting Leather.

No. 137,952.

Patented April 15, 1873.

Fig. 1.

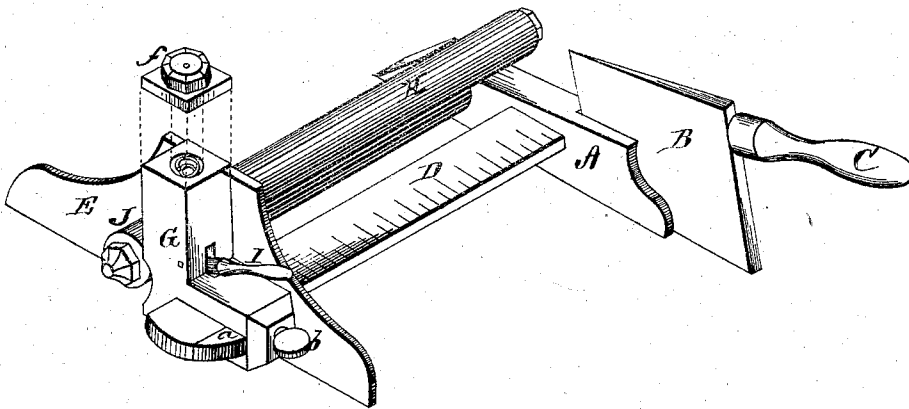


Fig. 2.

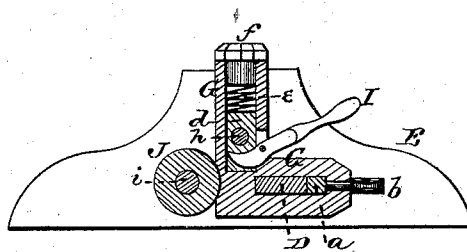
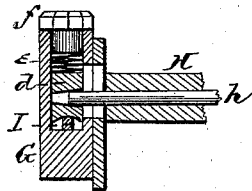


Fig. 3.



Witness:
Jas. C. Hutchinson
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UNITED STATES PATENT OFFICE.

NAZARATH PAQUETTE, OF SUMMERFIELD, ASSIGNOR OF ONE-HALF HIS
RIGHT TO NELSON DAVIS, OF IDA, MICHIGAN.

IMPROVEMENT IN MACHINES FOR CUTTING LEATHER.

Specification forming part of Letters Patent No. **137,952**, dated April 15, 1873; application filed
December 26, 1872.

To all whom it may concern:

Be it known that I, NAZARATH PAQUETTE, of Summerfield, in the county of Monroe and in the State of Michigan, have invented certain new and useful Improvements in Slitting-Gage for Cutting Leather; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a slitting-gage for cutting leather, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my slitting-gage, and Figs. 2 and 3 are sectional views of certain parts of the same.

A represents a shoe, the front end of which is beveled, as shown, so that as it is moved forward it will raise the leather up to the rollers. The rear end of this shoe is slotted, and in the slot is secured the cutting blade or knife B, which is provided with a handle, C. From the side of the shoe A extends at right angles the gage-bar D, which is graduated, as shown in Fig. 1, and the outer end of which passes through a guide-plate, E, and the horizontal part of an L-shaped post, G, attached to the outside of said guide-plate. The guide-plate E and post G are adjusted at any desired point on the gage-bar D by means of a key, *a*, and set-screw *b*. The vertical part of the bar G is hollow, and in the same is placed a block, *d*, pressed downward by a spring, *e*, and the tension of said spring regulated by a screw-plug, *f*, which closes the upper end of the post G. In the block or box *d* is screwed or otherwise firmly attached a horizontal rod, *h*, which extends through a slot in the post and in the guide-plate, and extends parallel with and in front of the gage-bar D. Upon this rod *h* is placed a roller, H, which is held by a nut on the outer end of the rod. The rod *h* being fastened firmly in the block *d*, and this block fitting closely within the post G, the

block forms a brace for the rod so as to hold the same always in the proper position, and prevent the roller H from springing or from rising any faster at one end than it will at the other. In a slot in the rear side of the post G is pivoted a lever, I, the inner end of which extends under or into the box *d*, so that the same may be raised at will to raise the roller H. In the shoe A, a suitable distance in front of the gage-bar D, is firmly secured a rod, *i*, which extends horizontally in front of and parallel with the same, and upon said rod is placed a roller, J, held by a nut upon the end of the rod. The roller J passes through an aperture made for that purpose in the guide-plate E. The inclined end of the shoe A raises the leather up over the roller J, the guide-plate having previously been set at the desired point on the gage-bar, and the roller H by means of the spring *e* presses down upon the leather while the knife B is cutting the same.

The leather to be cut being placed on a flat surface, and one edge of the leather having been cut straight, the guide-plate E is adjusted upon the gage-bar D to the width desired to be cut. The inner side of the guide-plate is then placed against the straight edge of the leather, the shoe A passing under the leather, raising the same to pass over the roller J and under the roller H, and by pushing the machine forward the knife B will cut the leather. By letting the guide-plate E follow the edge of the leather the cut made by the knife B will be perfectly parallel with the same.

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

1. The guide-plate E, rollers H and J, shoe A, knife B, and gage-plate D, constructed and arranged as and for the purpose set forth.

2. The post G with its lever I and box *d*, in combination with the roller H, as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 25th day of November, 1872.

NAZARATH PAQUETTE.

Witnesses:

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JAMES I. RUSSELL.