

J. F. MOLONEY.

Creasing Rolls for Leather Straps.

No. 133,660.

Patented Dec. 3, 1872.

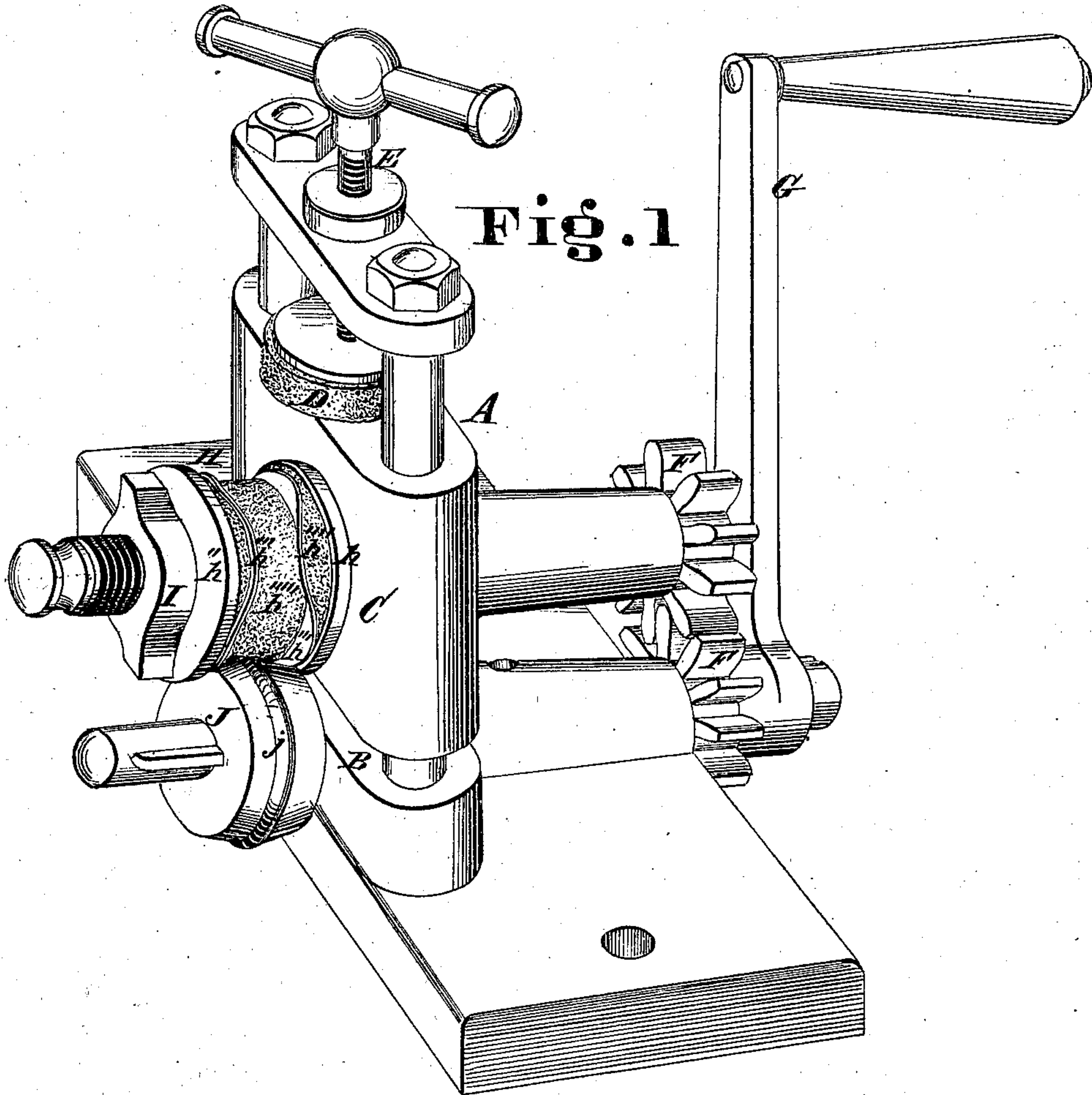
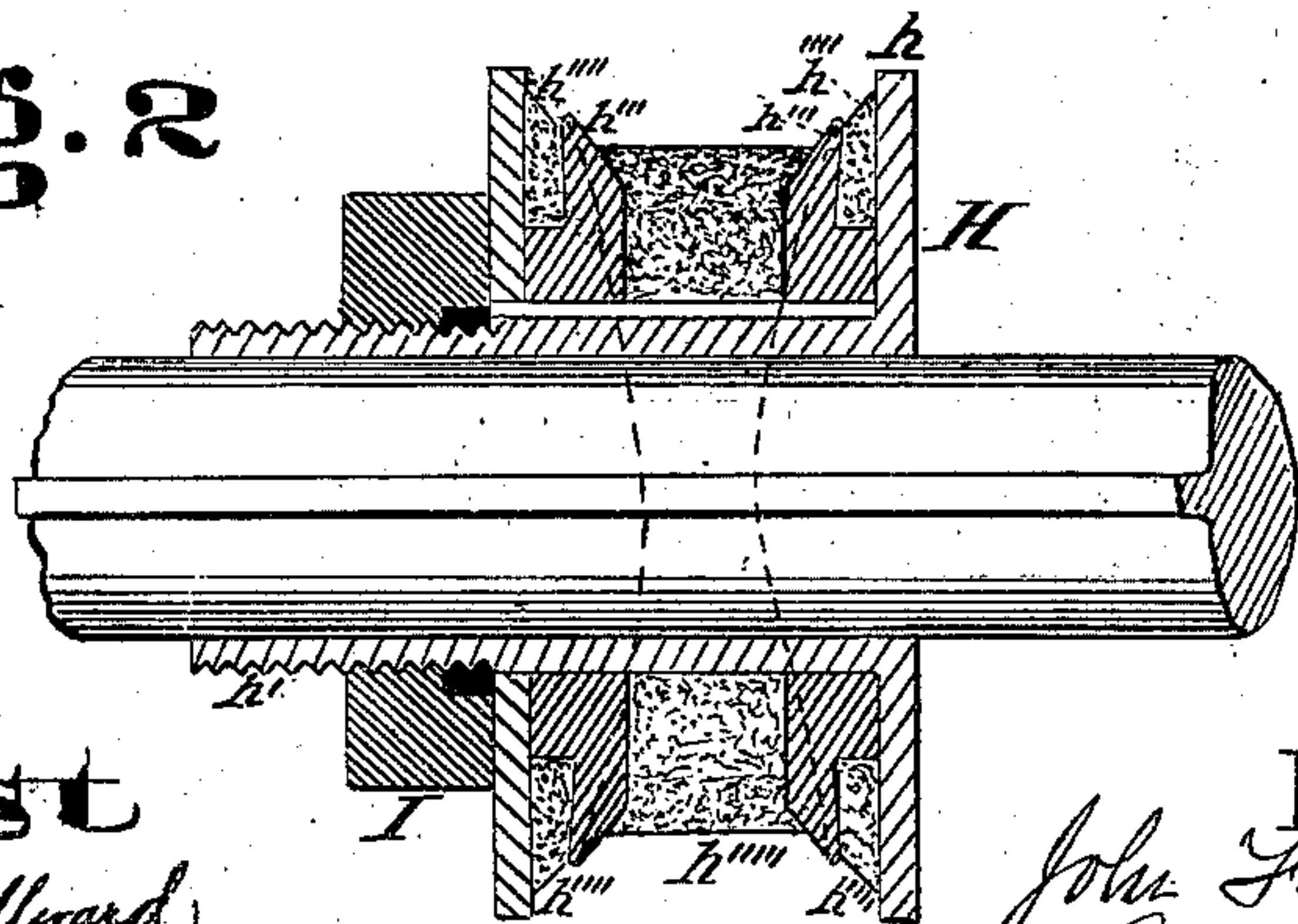


Fig. 2



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JOHN F. MOLONEY, OF CINCINNATI, OHIO.

IMPROVEMENT IN CREASING-ROLLS FOR LEATHER STRAPS.

Specification forming part of Letters Patent No. 133,660, dated December 3, 1872.

To all whom it may concern:

Be it known that I, JOHN F. MOLONEY, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Rollers for Creasing Leather, of which the following is a specification:

Nature and Objects of Invention.

My invention relates to the construction of rollers for pressing the creases, waving, or otherwise, in the sides of leather straps; and my invention consists in the construction of the creasing-roller with rubber washers in the spaces between the two metallic creasers and the outer collars of the roll, and rubber washer in the spaces between the two metallic creasers, and in combination therewith of a peculiarly-shaped pressing-roll; the object of my invention being to provide a pair of rollers which will effectually crease, in a wavy line, leather having a crowning shape in cross-section, or form straight creases on leather not having a uniform thickness.

Description of the Accompanying Drawing.

Figure 1 is a perspective view of a creasing-machine embodying my invention. Fig. 2 is a cross-section of the creasing-roll.

General Description.

A is the frame of a machine to which my rollers are shown attached. It is of the customary construction, having a bearing for the spindle of the lower roller in the base B; a bearing in the sliding block C for the upper roller, yielding pad D, adjusting-screw E, connecting-gearing F, and operating-crank G. The roller H is the creasing-roller, and it is composed of collar *h*, to which the sleeve *h'* is

attached, loose collar *h''*, metallic creasers *h'''* *h'''*, and India-rubber washers *h''''* *h''''*. The parts of the roller H are secured together by the nut I, which is fitted to a screw-thread upon the sleeve *h'*. The pressing-roller J is formed with a central bead, *j*, and double conical exterior, as shown, the bead serving to give stiffness to the leather by the formation of a groove upon the under side, and acting in conjunction with the conical sides to give the necessary crowning shape to the leather strap on the crease side. The creasers *h'''* may be made to form a waving crease upon the leather, or each creaser may be straight.

By reason of the introduction of the India-rubber washers *h''''* and *h''''* the rollers are enabled to crease a waving crease upon a strap having unequal or crowning thickness in cross-section, or to crease in any way a strap having unequal thickness in the line of its length, the rubber giving way where necessary to permit the creasers to enter the leather, and following up to bind the edges of the leather in order to prevent the curling up of the edges of the strap under the operation of the creasers.

Claim.

A creasing-roller for a strap-creasing machine, embodying in its construction creasers *h'''* and elastic washers *h''''* *h''''*, as and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

JOHN F. MOLONEY.

Witnesses:

FRANK MILLWARD,
J. L. WARTMANN.