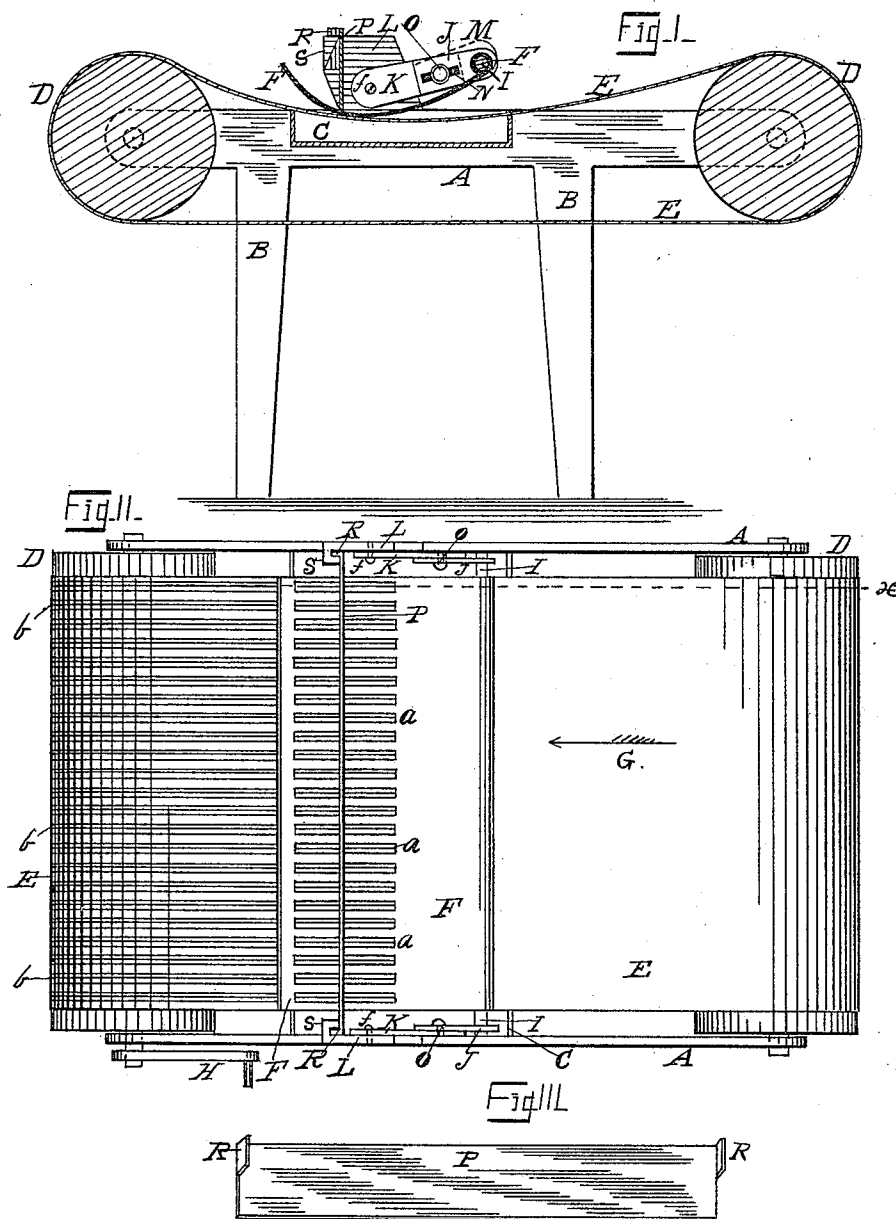


(No Model.)

S. W. GUTHRIE.
MACHINE FOR STRIPING RUBBER GOODS.

No. 440,226.

Patented Nov. 11, 1890.



Witnesses:
Aaron Stevens
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UNITED STATES PATENT OFFICE.

SYLVESTER W. GUTHRIE, OF RACINE, WISCONSIN.

MACHINE FOR STRIPING RUBBER GOODS.

SPECIFICATION forming part of Letters Patent No. 440,226, dated November 11, 1890.

Application filed June 23, 1890. Serial No. 356,329. (No model.)

To all whom it may concern:

Be it known that I, SYLVESTER W. GUTHRIE, a citizen of the United States, and a resident of Racine, county of Racine, and State of Wisconsin, have invented new and useful Improvements in Machines for Striping Rubber Goods, of which the following is a specification, reference being had to the annexed drawings, illustrating the invention, in which—

10 Figure I is a longitudinal sectional vertical elevation of a machine in which my invention is embodied, taken on line *x*, Fig. II; Fig. II, a top or plan view of the machine. Fig. III is a perspective view of a detail removed from the other parts.

15 The purpose of this invention is to provide more certain and convenient means for forming stripes on rubber goods, but more especially on such rubber fabrics as are used for exterior wearing-apparel. Where a slotted plate has been placed over the moving cloth, it is difficult, if not impossible, to divide the striping material supplied from that portion of the material to be employed to form the stripes. I therefore place over such slotted plate transversely with the bars thereof what I term a "scraper," which prevents only so much material to pass forward with the cloth or fabric as is necessary for the stripes required, and I provide means whereby the scraper may be held in place, and also means for adjusting the slotted plate so that it will at all times come in contact with the fabric under the scraper.

30 D D represent the rollers on which the fabric is placed, as is now the case, and A B is the frame which supports the rollers. The fabric E is to have its ends united and is to be tight enough on the rollers to be turned by the roller, to which a crank H is attached.

35 Inasmuch as the several fabrics striped cannot have each the same tension on the rollers, I employ means as follows to adjust the slotted plate and scraper to fabrics of different tensions: A standard L, of plate metal, is made rigid to the upper edge of each frame portion A, and a portion of each standard is bent around to form a groove, as shown at S S, one face of which lies in the same plane as the inside of the standard, for the purpose of engaging wings R R on the scraper

P and holding the latter vertically on the slotted plate F.

40 K J represent a compound arm at each side of the machine. The portions K are pivoted to the standards L, and the portions J at their outer ends support the rod I, around which the plate F is clinched. The portions K J are jointed by means of slots through the plates J and screws put through the slots and tapped into the portions K, so that the portions J may be extended on the portions K or elevated thereon, as shown by dotted lines M. O is the set-screw for holding the two sections of the arms as adjusted, and N is the slot to each arm. The pivots *f* to the portions K are screws tapped into the standards L and operate as set-screws to hold the arms in fixed positions, as required. The slots in the plate F are shown at *a a a*, &c., and the stripes on the fabric are shown at *b b*, &c. The fabric moves in the direction indicated by dart G. The scraper bears on the slotted portion of the plate F and prevents any striping material going past it except what passes through the slots. Therefore as all the material entering the slots is brought onto the fabric to form stripes, the thicker the plate is the deeper the slots will be and a corresponding amount more material will be laid on the goods. It will be understood that the material to form stripes is placed on the plate F back of the scraper P in proper quantities, the surplus falling into a trough C, from which it is to be removed and again used.

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

50 In a machine for striping rubber goods, the combination, with the standard L, provided with wings having grooves formed therein, the scraper supported by said standards, and the pivotal adjustable arms, also supported by the standards, of the slotted plate F, supported upon said arms and adapted to receive the striping material and to operate in conjunction with said scraper to apply such material to the fabric, substantially as described.

SYLVESTER W. GUTHRIE.

Witnesses:

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