

R. ROBERTS.
Cigar-Machine.

No. 210,632.

Patented Dec. 10, 1878.

Fig. 1

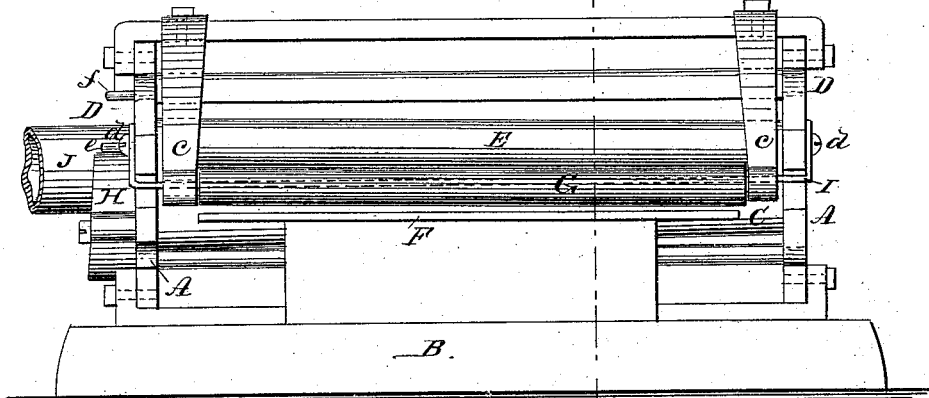


Fig. 2

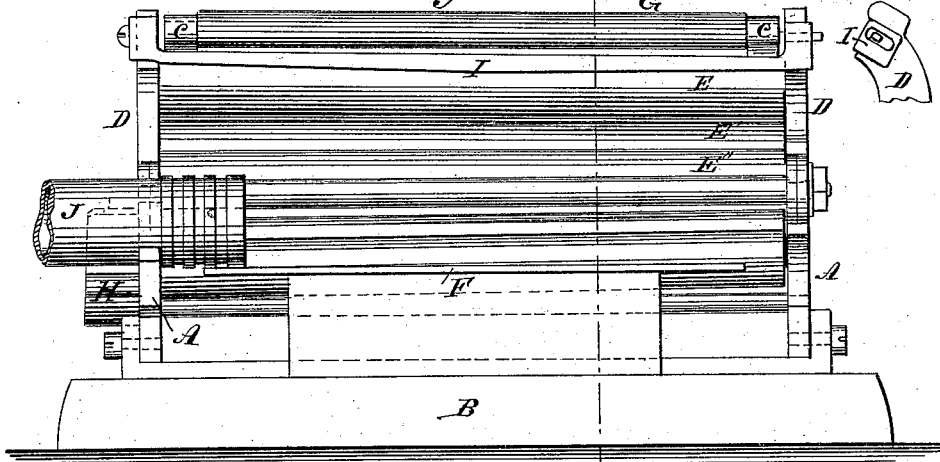
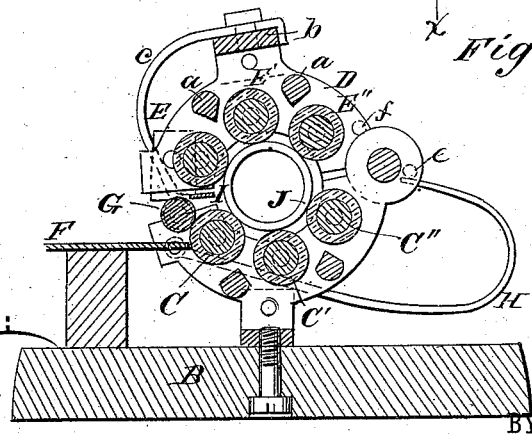


Fig. 4

Fig. 3



WITNESSES:

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ROBERT ROBERTS, OF ST. JOSEPH, MISSOURI.

IMPROVEMENT IN CIGAR-MACHINES.

Specification forming part of Letters Patent No. **210,632**, dated December 10, 1878; application filed January 22, 1878.

To all whom it may concern:

Be it known that I, ROBERT ROBERTS, of St. Joseph, in the county of Buchanan and State of Missouri, have invented a new and Improved Cigar-Buncher, of which the following is a specification:

Figure 1 is a front elevation of my improved cigar-bunching machine. Fig. 2 is a front elevation, representing the machine open. Fig. 3 is a transverse section taken on line *x x* in Figs. 1 and 2. Fig. 4 is a detail view of a portion of the end of the machine.

My invention relates to the class of cigar-bunching machines that employ a number of rollers for applying the binder and wrapper to the filling.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A A are semicircular end pieces, which are secured to the base B, and in which three rubber-covered rollers, C C' C'', are journaled. To the semicircular end pieces are hinged movable end pieces D, which are similar in form to the pieces A, and are firmly connected together by rods *a* and by the bar *b*. In the end pieces D three rubber-covered rollers, E E' E'', are journaled.

A table, F, is supported near the roller C, for receiving the binder or wrapper to be applied to the cigar. A roughened metallic roller, G, is journaled in the ends of the spring-arms *c*, which are attached to the bar *b*, and press the roller against the rubber-covered roller C.

Below the roller E, and near roller G, a thin steel strip, I, is supported by attachment to the end pieces D, and acts as a scraper

to keep the roller G clean, and to prevent the binder or wrapper from following the roller E. The ends of the strip I are turned at right angles, and slotted to receive the screws *d*, which enter the end pieces D, and hold the strip in any desired position.

A bow-spring, H, is attached to one of the end pieces A, and bears upward against a pin, *e*, that projects from the hinge that connects the upper and lower end pieces, and throws the frame that contains upper series of rollers down upon the support of the lower rollers. A stop-pin, *f*, limits the motion of the frame that supports the upper rolls.

A thimble, J, having several circumferential grooves, is designed for holding the ends of the filling.

The operation of my improved device is as follows: The ends of the filling are placed in the thimble J, and the upper rollers are closed down upon the filling and the thimble. The binder, properly pasted, is inserted between the rolls C G, and the thimble J is turned until the binder is on the cigar. The wrapper is applied in the same way. The device is then opened, and the cigar removed and finished by hand.

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

The combination, with the two front rollers, C E, of a thin strip, I, and a spring-pressed roll, G, arranged as shown and described, to facilitate the taking in of the binder and wrapper.

ROBERT ROBERTS.

Witnesses:

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