(No Model.)

A. GORDON.

CIGAR BUNCHING MACHINE.

No. 328,774. Patented Oct. 20, 1885.

Fig. 1

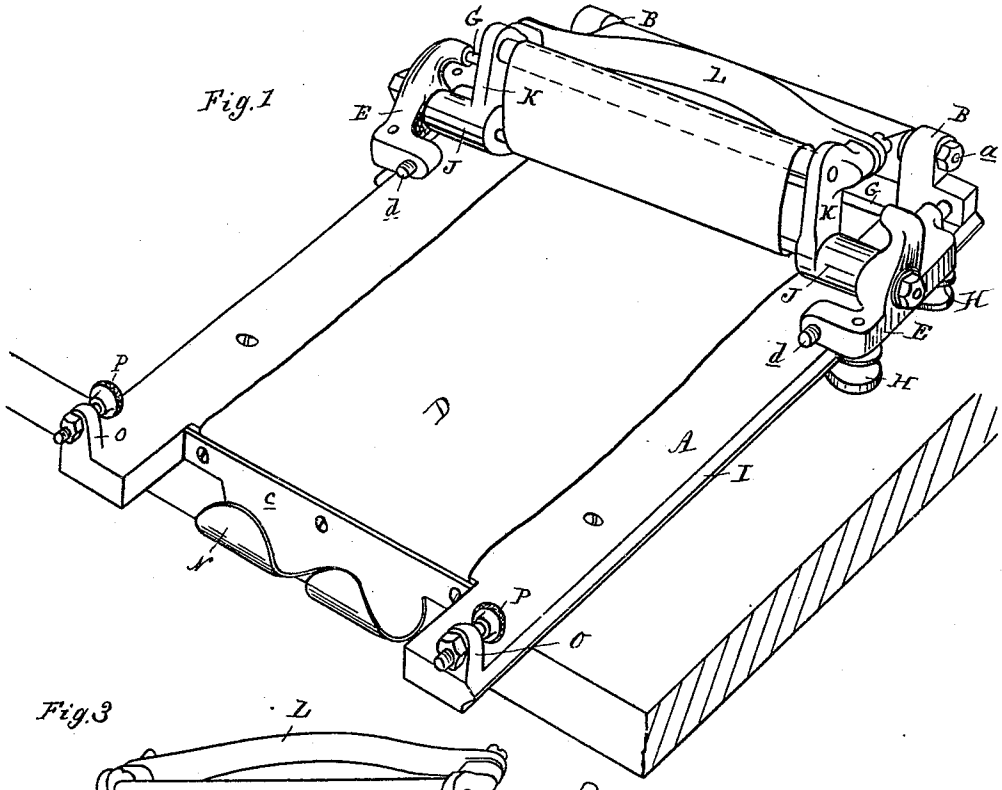


Fig. 3

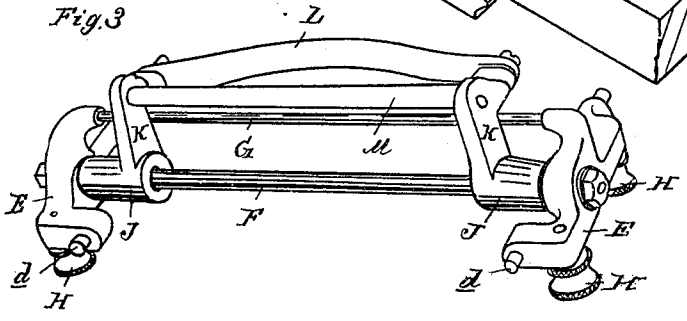
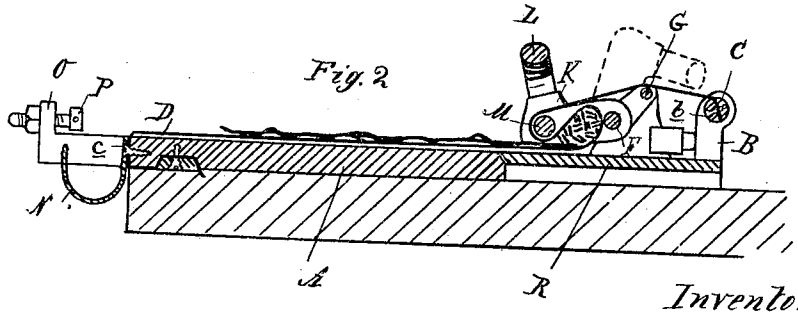


Fig. 2



Attest:
John Schuman.

Inventor.
Alexander Gordon.
by his Atty
Thos. S. Sprague

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

ALEXANDER GORDON, OF DETROIT, MICHIGAN.

CIGAR-BUNCHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 328,774, dated October 20, 1885.

Application filed April 8, 1885. Serial No. 161,538. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER GORDON, of Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Cigar-Bunching Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in machines designed for forming cigar-bunches.

Figure 1 is a perspective view of my improved bunching-machine with the bunching-roller in its elevated position and ready to receive the filler to form the bunch. Fig. 2 is a vertical longitudinal central section through Fig. 1, with the bunching-roller depressed, showing the filler in the pocket of the bunching-cloth in rear of the bunching-roller. Fig. 3 is a perspective of the bunching-roller and its immediate connections detached from the bed.

In the accompanying drawings, which form a part of this specification, A represents a bed-plate, which is designed to be secured upon a suitable table. At the forward end of the bed-plate A, and at the corners thereof, are the standards B, in the heads of which are properly secured a rod, C, adapted to be locked to its position by means of a nut, *a*. This rod is provided with a clamping-plate, *b*, by means of which the forward end of the bunching-cloth D is secured to the rod, so that such cloth may be rolled upon the rod C to regulate the size of the bunching-pocket, as may be desired. The front end of the bunching-cloth folds over the opposite end of the table, and is secured by means of the clamping part *c* of the bracket N.

E E represent two carriages or frames, secured together by the girts or rods F and G, and each frame is provided with grooved guide-wheels H, the grooves of which engage with and travel upon the beveled tracks or ways I, formed upon the side edges of the table A.

Sleeved upon the girt F of the carriages are the boxes J, each of which is provided with an arm, K, the two arms being connected together by a girt, L, which also serves as a handle. Between the ends of the arms K is properly journaled the bunching-roller M.

In practice, the parts being in the positions shown in Fig. 1, the operator presses the filler, or as much of it as is convenient, into the pocket formed in the bunching-cloth beneath the girt F, and holds it there until he can turn the bunching-roller M over into the position shown in Fig. 2. This movement confines the filler in the pocket of the bunching-cloth and in rear of the bunching-roller, without imparting motion to the carriage. By now operating the device as in the usual manner of using devices of this character the bunch is completed and delivered to the bracket N at the front end of the table. At this end of the table and at the corners are the studs O, in each of which is secured a threaded bumper, P, against which the bumper-springs *d* in the front ends of the carriages strike, and these bumpers are made adjustable, as shown, so as to limit the travel of the carriage to the corresponding size of the bunch being made, and to positively deliver such bunch into the bracket N. The opposite ends of the carriages are likewise provided with bumper-springs, which impinge against the standards B.

At the rear end of the device, the bunching-table is cut away, forming a recess, which is designed to be filled by a plate, R, removably secured in place by any proper means, the upper face of such plate being flush with the face of the table. In making bunches from long fillers this plate must not be removed; but when a short filler is used the plate must be removed, so as to allow the bunching-cloth to drop below the face of the table, and thus form a deeper pocket for the reception of the filler.

What I claim as my invention is—

1. In a cigar-bunching machine, the combination, with the bed A, provided with studs O O, and adjustable bumpers P P, and the bracket N, of the carriages E E, having bumper-springs *d d*, and the cigar-forming devices, substantially as specified.

2. In a cigar-bunching machine, the cigar-forming devices and the table A, recessed at its rear end, as shown, combined with the plate R, removably secured in said recess, with its upper face flush with the top of the table, as and for the purposes specified.

ALEXANDER GORDON.

Witnesses:

H. S. SPRAGUE,

JOHN SCHUMAN.