

(No Model.)

O. HAMMERSTEIN.

MACHINE FOR CUTTING CIGAR WRAPPERS.

No. 315,408.

Patented Apr. 7, 1885.

Fig: 1

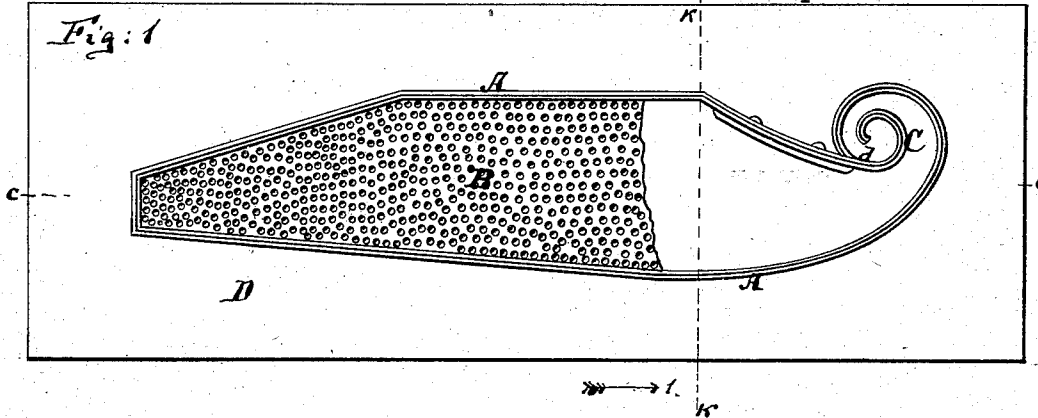


Fig: 2

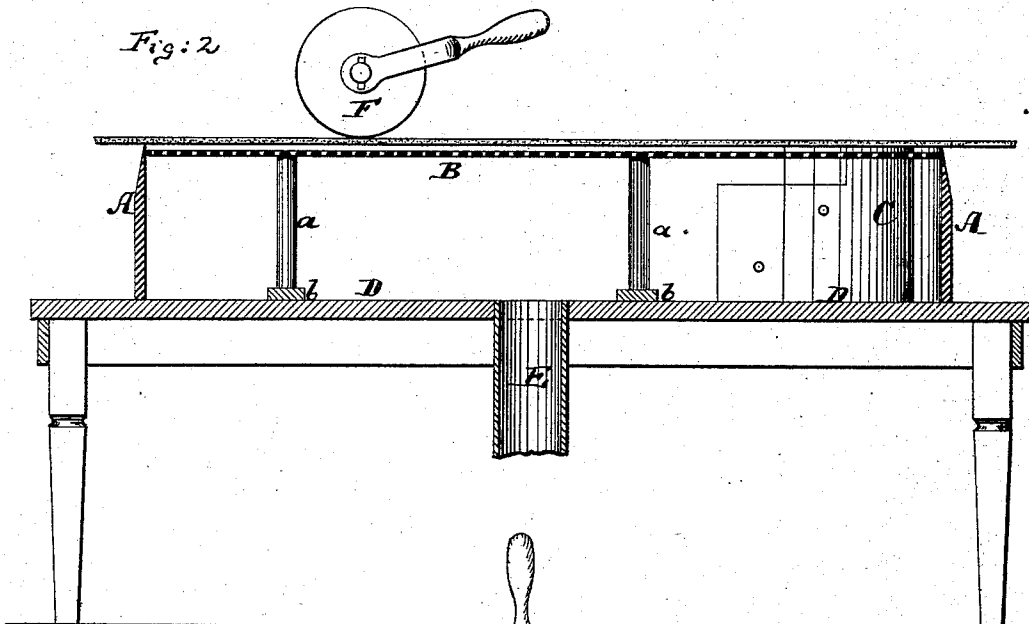
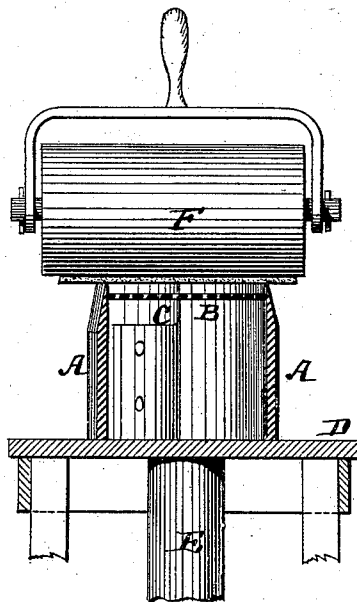


Fig: 3



Witnesses:

John C. Turnbridge.
Gustav Schnepf.

Inventor:

Oscar Hammerstein
by his attorneys
Briesen & Co.

UNITED STATES PATENT OFFICE.

OSCAR HAMMERSTEIN, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO WILLIAM EGGERT, TRUSTEE, OF SAME PLACE.

MACHINE FOR CUTTING CIGAR-WRAPPERS.

SPECIFICATION forming part of Letters Patent No. 315,408, dated April 7, 1885.

Application filed July 10, 1883. (No model.)

To all whom it may concern:

Be it known that I, OSCAR HAMMERSTEIN, of New York city, county and State of New York, have invented an Improved Machine for Cutting Cigar-Wrappers, of which the following is a specification.

Figure 1 is a top view, partly in section, of my improved machine for cutting cigar-wrappers. Fig. 2 is a vertical longitudinal section of the same on the plane of the line *c c*, Fig. 1. Fig. 3 is a vertical cross-section of the same on the line *k k*, Fig. 1, looking in the direction of the arrow 1, Fig. 1.

This invention relates to a cigar-machine of the kind described in Letters Patent No. 261,849, of August 1, 1882, and has for its object to adapt the machine which is described in said patent to the cutting of cigar-wrappers.

The invention consists, first, in combining with a perforated suction-plate and a suction-pipe, a cutting-blade, so that the wrapper, while the leaf is held by suction or air-pressure to said plate, may be cut out of the leaf.

The invention also consists in combining with the continuous cutting-blade, which has the general outline of the wrapper, an inner cutter for making a curved incision into the head of the wrapper, thereby improving its condition.

In the drawings, A represents a continuous endless cutting-blade, of the form of a cigar-wrapper.

B is a perforated diaphragm or plate, which is fixed in the blade A, slightly below the cutting-edge of the same. One manner of securing the plate B is by posts *a a*, which rest on cross-bars *b b*, that extend crosswise through the lower part of the space bounded by said cutting-blade; but the plate B may be secured in place by solder or other means.

At the angle *d*, which is formed in the blade A for producing the offset for the head of the wrapper, is secured to the blade A an additional curved blade, C, which extends into the space bounded by the continuous blade A, and serves to make a curvilinear incision into the head of the wrapper, permitting it to be coiled more readily and thoroughly around the point of the cigar.

In use the apparatus shown is placed on a table, D, or other support, over a pipe, E, through which air can be drawn by a suitable fan or pump or suction device of ordinary kind.

Whenever a leaf is placed on the apparatus suction is caused to take place and the leaf thereby drawn against the plate B, thereby avoiding wrinkles in the wrapper. While the leaf is thus held by suction, a roller, F, is passed over the leaf, pressing it against the cutting-edges of the blades A and C, which are all on the same plane, thereby cutting out a wrapper. Instead of a roller, a mallet may be tapped upon the leaf, so as to cause the blades to cut out the wrapper. When the cutting has been completed, suction is stopped, whereupon the finished wrapper can be readily taken off.

It is evident that the apparatus will also be fully operative when the extra blade C is omitted.

When I describe the blade A as endless, I mean practically endless. There may be a non-cutting portion at the tail end of the blade, as it is not always essential that the leaf at that place should be cut.

I claim—

1. The continuous cutting-blade A, combined with the perforated plate B and with the suction-pipe E, substantially as described, for creating suction in the space bounded by the blade A and plate B, as and for the purpose specified.

2. The wrapper-shaped cutter A, having the curved inner cutter, C, substantially as herein shown and described.

3. The continuous cutting-blade A, combined with the plate B, which is placed therein beneath the cutting-edge, and with the roller F and suction-pipe E, the plate B being constructed to permit the air to be drawn from above it to the space below it, as set forth.

OSCAR HAMMERSTEIN.

Witnesses:

GUSTAVE SCHNEPPE,
WILLY G. E. SCHULTZ.