(No Model.)

F. STILES.

CIGAR COLORING MACHINE.

No. 273,185. Patented Feb. 27, 1883.

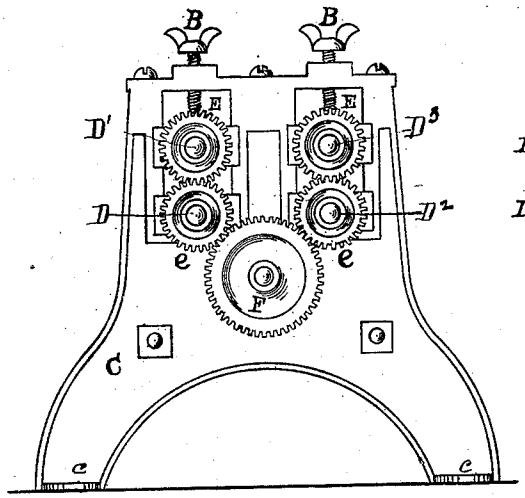


Fig. 1.

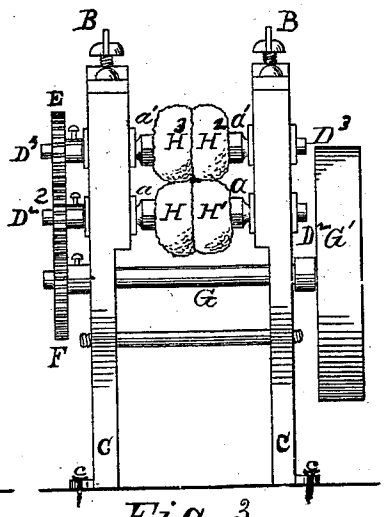


Fig. 3.

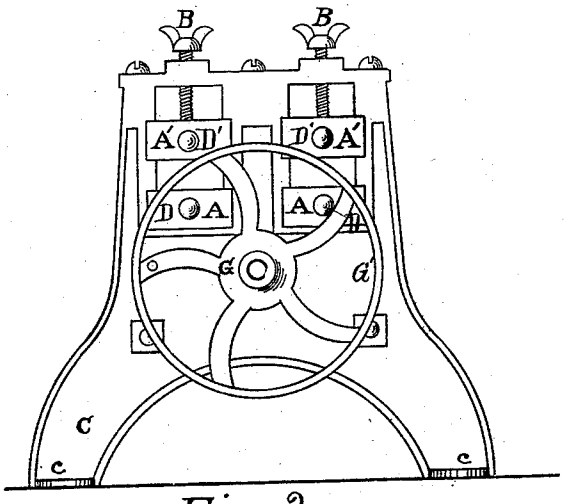


Fig. 2.

Witnesses;
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UNITED STATES PATENT OFFICE.

FREDERIC STILES, OF BINGHAMTON, NEW YORK, ASSIGNOR OF ONE-HALF TO EDWARD L. BENNETT, OF SAME PLACE.

CIGAR-COLORING MACHINE.

SPECIFICATION forming part of Letters Patent No. 273,185, dated February 27, 1883.

Application filed August 19, 1882. (No model.)

To all whom it may concern:

Be it known that I, FREDERIC STILES, of Binghamton, New York, have invented certain new and useful Improvements in Cigar-Coloring Machines, of which the following is a specification, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in machines for coloring cigars, and its object is to provide a machine whereby the cigars may be rapidly colored to suit the demands of the market; and the novelty consists in the construction of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings similar letters of reference indicate like parts of the invention.

Figure 1 is a side elevation of my improved cigar-coloring machine; Fig. 2, a similar view, showing the opposite side with the driving-pulley; and Fig. 3 is an end elevation of the front of the machine.

C C are standards secured to a bench or table by screws *c c*. In these standards C C are supported two pairs of arbors, D D′ D^2 D^3, which carry the sponges or other soft material, H H′ H^2 H^3, fastened thereon by the washer and jam-nut *a a a′ a′*, the arbors being suitably journaled in the boxes A A A′ A′. The upper boxes, A′ A′, can be vertically adjusted by means of the thumb-screws B B, which operate in the usual manner. On the end of each upper arbor is fastened a gear-wheel, E, and the lower gears, *e*, receive motion from the intermediate gear, F, secured to the shaft G and driven by the pulley G′. The arbors D D′ are so located that their respective gears mesh and are connected with and driven by the gear F. By this arrangement the gears *e* E, turning in opposite directions, cause the cigars placed between their sponges to be fed through the first pair of said sponges, which contain the coloring-matter, and then pass them on to the second pair of dry sponges, which will absorb any surplus coloring-liquid that may be on the cigars. The sponges thus arranged will readily yield to the shape of the cigars and color them uniformly from the smaller to the larger end without injury thereto.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

In a machine for coloring cigars, the combination, with a pair of revolving sponges containing coloring-matter, between which the cigars are passed, and a pair of revolving dry sponges, between which the cigars are subsequently passed, of mechanism for revolving said sponges, substantially as set forth.

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