W. BROSEKER.

CIGAR-MACHINE.

No. 191,922. Patented June 12, 1877.

Fig. 1.

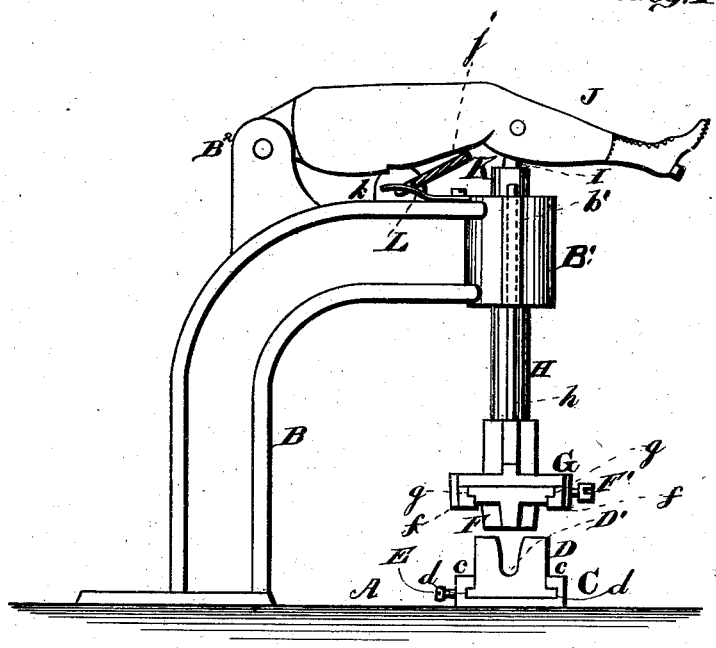


Fig. 3.

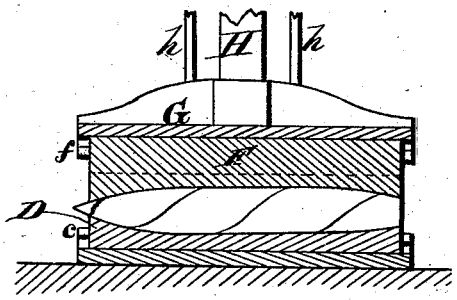
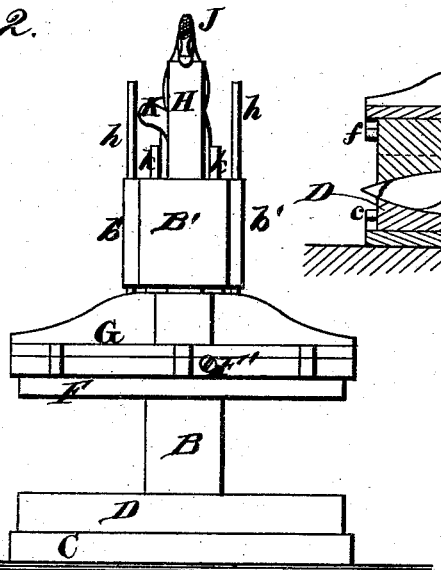


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM BROSEKER, OF BALTIMORE, MD., ASSIGNOR OF TWO-THIRDS HIS RIGHT TO ANDREW J. LA FLEUR AND JOSEPH TURNER, OF SAME PLACE.

IMPROVEMENT IN CIGAR-MACHINES.

Specification forming part of Letters Patent No. **191,922**, dated June 12, 1877; application filed March 24, 1877.

To all whom it may concern:

Be it known that I, WILLIAM BROSEKER, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and valuable Improvement in Machine for Manufacturing Cigars; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my machine for manufacturing cigars, and Fig. 2 is a front elevation thereof.

This invention relates to machines for manufacturing cigars. The nature of said invention consists in the novel construction and arrangement of the parts, as will be hereinafter more fully set forth and pointed out in the claims.

In the accompanying drawings, A designates the bed-piece or base of my machine, and B a curved standard supported thereby, which may be made in one piece therewith, or separately, as preferred. C designates a fixed grooved box or guideway, which may also be made in one piece with said base, or separately, as preferred, and D the lower or female half of the cigar-mold, which sets within said box or guideway. Guideway or box C is open at the ends, and is provided at the top with inwardly-extending flanges *c c*, which set above lateral flanges *d d* of said mold-section or die D, so as to prevent said die or mold-section D from being raised vertically. Said die is clamped to said box or guideway by means of a set-screw, E, or any convenient equivalent device.

The head end of said mold-section D is slotted from the top downward at D′ to allow the pointed end of the "bunch" or "filling" to extend through the same so that it can be conveniently twisted into a point.

The upper or male die or mold-section F is clamped by screw F′, or any suitable clamping device, in an open-ended box, G, similar to C, said parts being provided with interlocking-flanges *f f* and *g g*, similar to *c c* and *d d*. H designates a cylindrical shaft or plunger, which is rigidly connected at its lower end to box G, carrying male die or mold-section F, and works up and down in a vertical guide-cylinder, B^1, formed on the end of bent standard B. On the sides of said cylinder B^1 are formed two supplemental guide-tubes, *b′ b′*, in which work supplemental guide-rods *h h*, rigidly attached at their lower ends to box G, carrying die or mold-section F. The upper end of plunger H is connected by a doubly-pivoted link-bar, I, to an operating-lever, J, which is pivoted at its rear end to lugs B^2 on the top of bent standard B.

K designates a prop for said lever J, which is pivoted at its lower end between lugs *k k*, formed on the top of said standard, and is thrown up into engagement with the under side of said lever by a spring, L. When said lever is raised the said prop assumes a vertical, or nearly vertical, position, so as to prevent the upper mold-section F from descending until said lever is forcibly depressed. The under side of said lever is beveled or inclined at *j*, so that when thus depressed it will force prop K flat down upon standard B.

Various changes in the devices above described may be made without departing from the spirit of my invention. For instance, the grooves in the boxes may be V-shaped in cross-section, or may have any suitable shape. The plunger H may also be square or prismatic in cross-section, and the guide-rods *h h* may then be dispensed with.

The head end of upper die or mold-section F is pointed at F′ so as to set into slot D′ of lower mold-section D so as to assist in compressing and forming the head of the filling of a cigar. Either the male or the female die or mold-section may be made movable, and the devices may be made to work upward or horizontally, if preferred. No additional molding is required after the machine has done its work, but the finishing is applied by hand.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a cigar-machine, the combination of the upper mold-die F, the vertical shaft H, connected with operating-lever J by means of doubly-pivoted link-bar I, the prop K, pivoted

at its lower end between lugs *k* and spring L, substantially as shown and described.

2. In a machine for the manufacture of cigars, the combination of bed-piece A, standard B, boxes C and G, mold-sections D and F, plunger H, prop K, and operating-lever J, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM BROSEKER.

Witnesses:

FRED. ACKER, Jr.,

C. H. MCEWEN.