

(No Model.)

S. HENRY.

MOLD FOR MEASURING AND PARTIALLY SHAPING CIGAR FILLERS.

No. 368,832.

Patented Aug. 23, 1887.

Fig. 2.

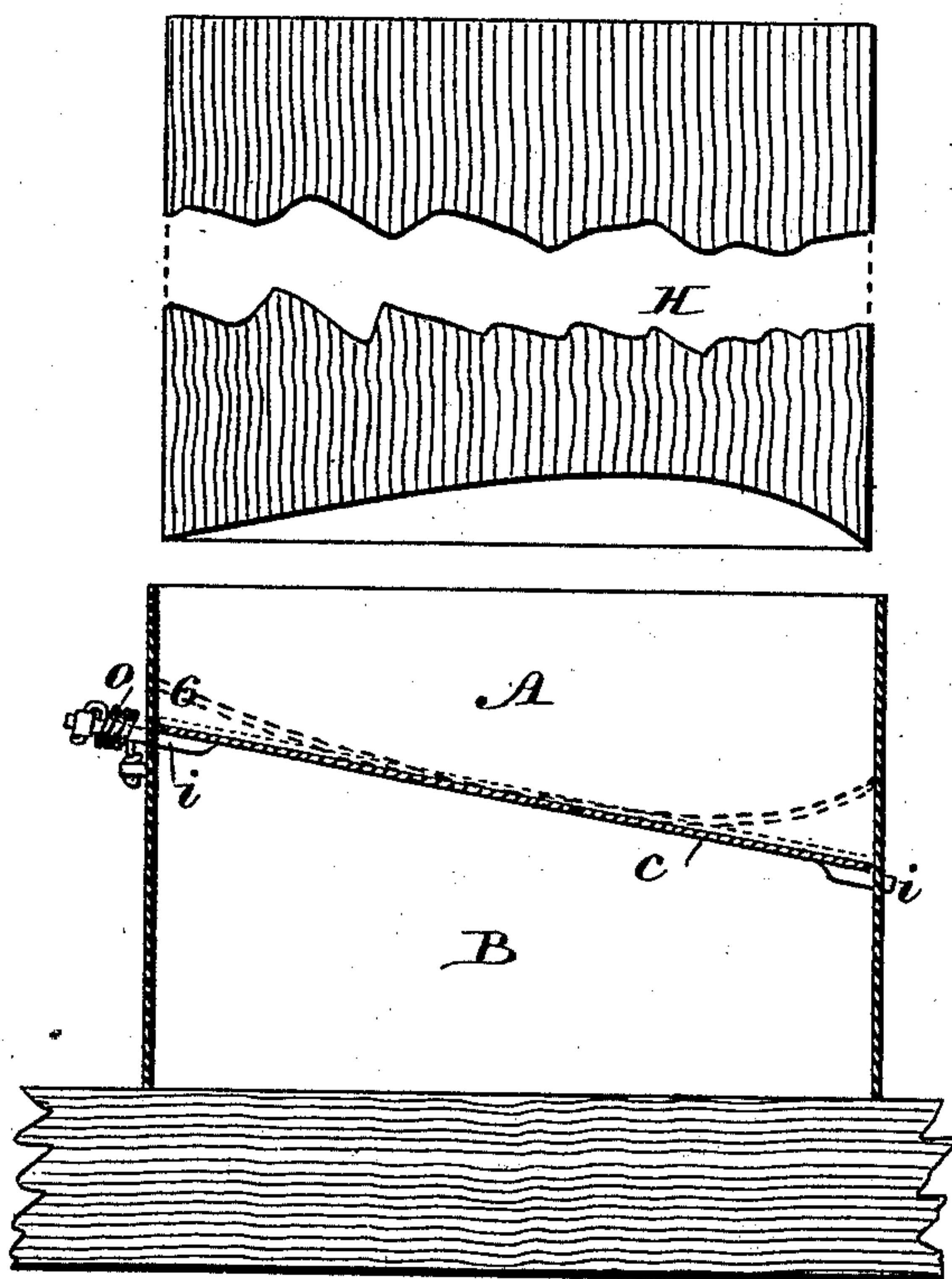


Fig. 3.

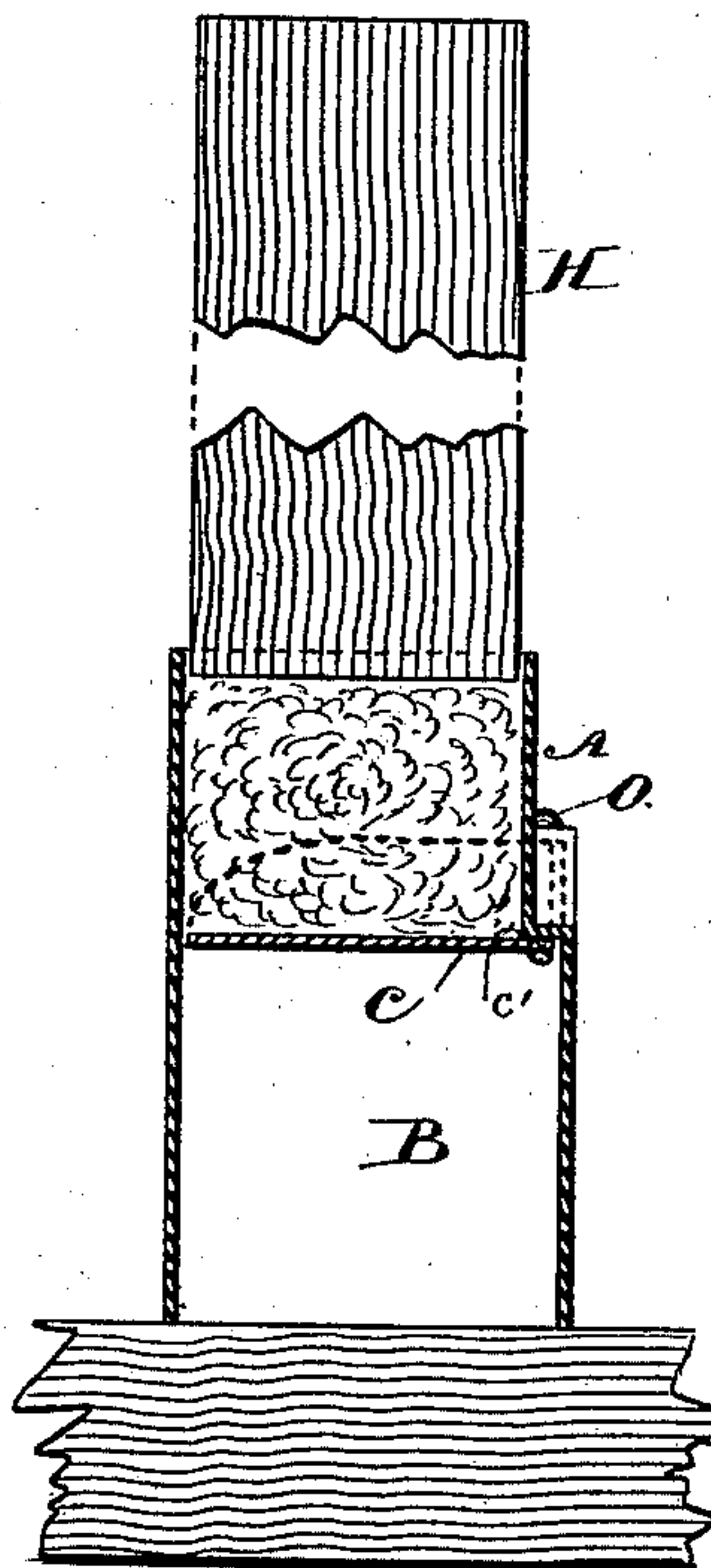


Fig. 1.

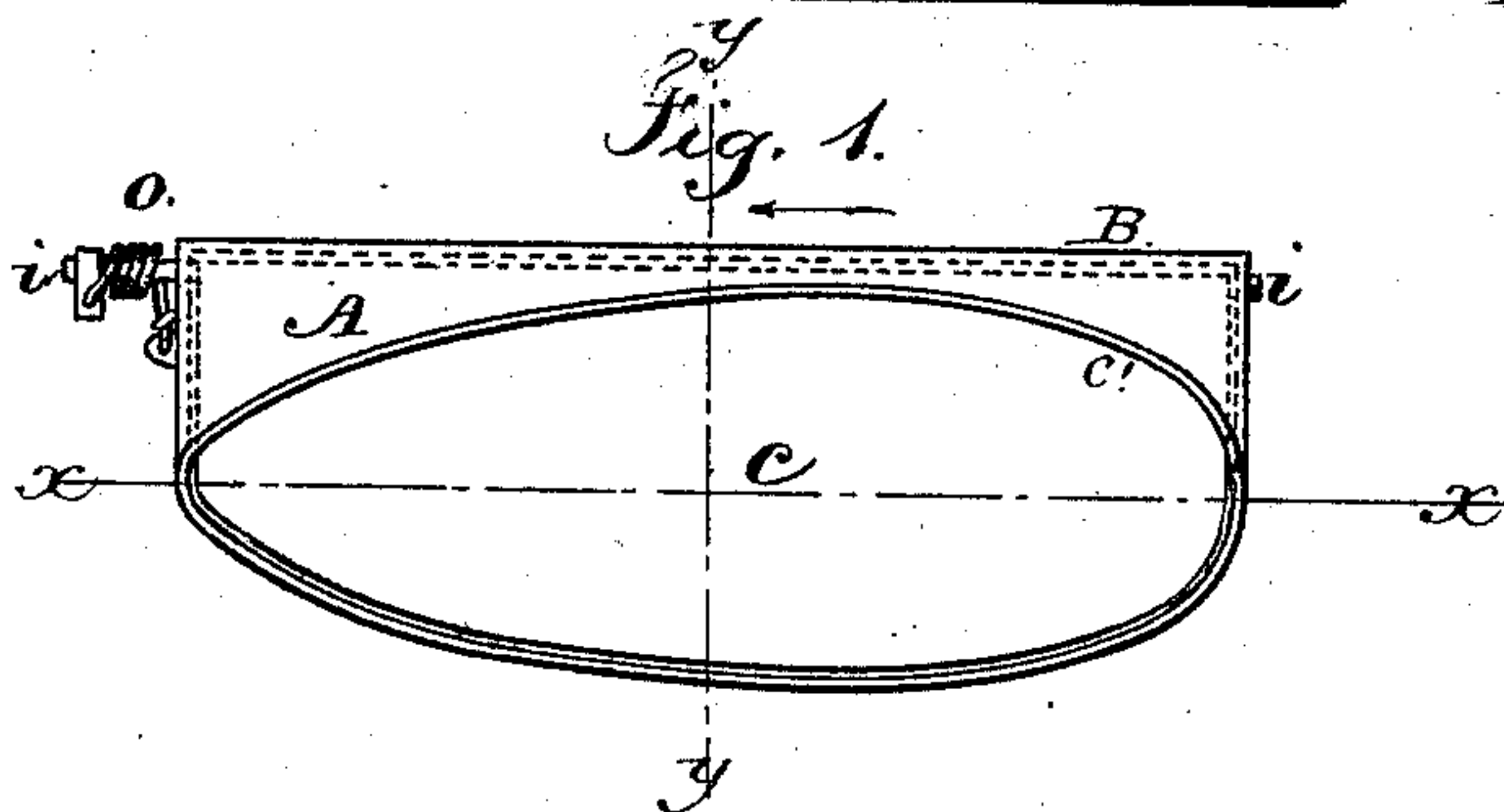
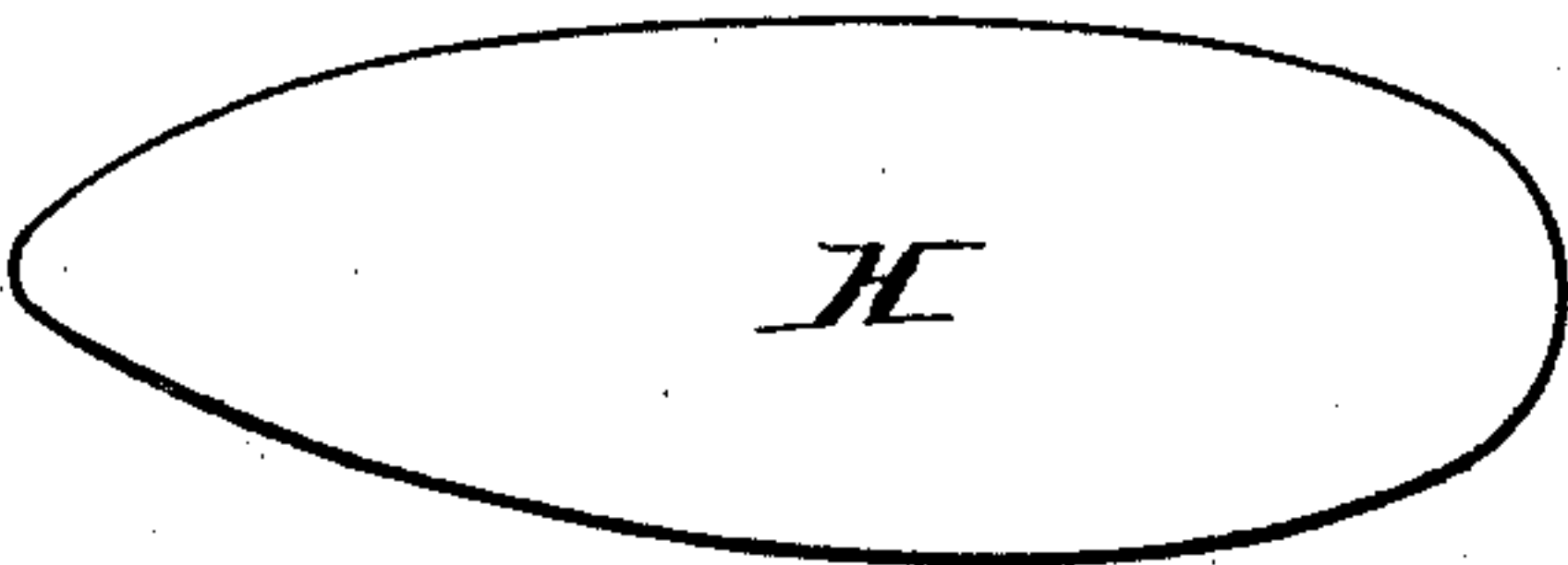


Fig. 4.



Witnesses

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SIMON HENRY, OF BROOKLYN, NEW YORK.

MOLD FOR MEASURING AND PARTIALLY SHAPING CIGAR-FILLERS.

SPECIFICATION forming part of Letters Patent No. 368,832, dated August 23, 1887.

Application filed July 26, 1886. Serial No. 209,107. (No model.)

To all whom it may concern:

Be it known that I, SIMON HENRY, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Molds for Measuring and Partially Shaping Cigar-Fillers, of which the following is a specification.

Molds have been made for receiving the tobacco used in cigar-fillers, and there has been a swinging bottom to such mold, as seen in Letters Patent No. 155,805, granted October 13, 1874, to B. H. Myer; but in practice I find that such molds are not well adapted to cigars that taper at the ends, especially those that taper considerable toward the tip, because the quantity of tobacco is too great at the end portions of the filler, and the cigar does not smoke freely, as it is not of uniform density of filler throughout. This is especially the case with cigars in which the bunches are placed in molds and pressed to shape.

My present invention relates to a mold that approximates in shape to that of the cigar when complete, in combination with a base for supporting the mold, and a swinging bottom within the base that yields when the tobacco forming the filler is pressed out of the mold.

My present improvements are especially adapted to cigar-fillers that are composed of scraps or comparatively small pieces of tobacco.

In the drawings, Figure 1 is a plan view of my improved mold. Fig. 2 is a vertical longitudinal section. Fig. 3 is a transverse section, and Fig. 4 is a plan, of the plunger separately.

This mold is preferably made of sheet metal. The upper part or mold, A, is of a horizontal contour approximating the shape of the finished cigar, and the mold at the head end is not as deep as it is at the other end, so that the quantity of tobacco for the filling will be properly proportioned throughout the cigar, and the filler will be of nearly uniform density when pressed into final shape in cigar-molds in the usual manner.

The base B of the mold is preferably rect-

angular at one side, as seen in the plan, Fig. 1, the other side being a downward continuation of the mold, and it receives within it the inclined swinging bottom *c*, that is pivoted at *i i* upon the line of one of its edges, and there is a suitable spring at *o* to close the bottom *c* up against the lower edges, *c'*, of the mold; but this spring will yield when the filler is discharged. One edge of this swinging bottom *c* is straight, and in line with the pivots, or nearly so. The other edge is curved, and corresponds to the outline of one side of the mold A, as seen in Fig. 1, and by dotted line in Fig. 3.

The operative packs into the mold the tobacco scraps to form the filler and fills the mold up even with the top edge, and of uniform density, or nearly so, and then transfers the mold to the apron of the machine for binding the filler, or to the binder when the same is to be applied by hand. A plunger, H, is now forced down upon the tobacco in the mold, and the pressure causes the spring-bottom to yield and the tobacco-filler is discharged downwardly upon the apron or upon the binder that is to be wrapped around the filler.

The yielding bottom is shown as inclined within the mold, and with a flat upper surface; or it may, however, be curved, as shown by dotted lines in Fig. 2, so as to leave the proper space at the ends of the mold for the required quantity of tobacco.

I claim as my invention—

The mold for cigar-fillers, having the ends tapering and approximating the shape of the cigar when finished, and the swinging bottom nearer to the top of the mold at the smaller end of the mold, so that the tobacco will be properly proportioned in quantity according to the shape of the cigar, substantially as specified.

Signed by me this 19th day of July, 1886.

SIMON HENRY.

Witnesses:

GEO. T. PINCKNEY,
WALLACE L. SERRELL.