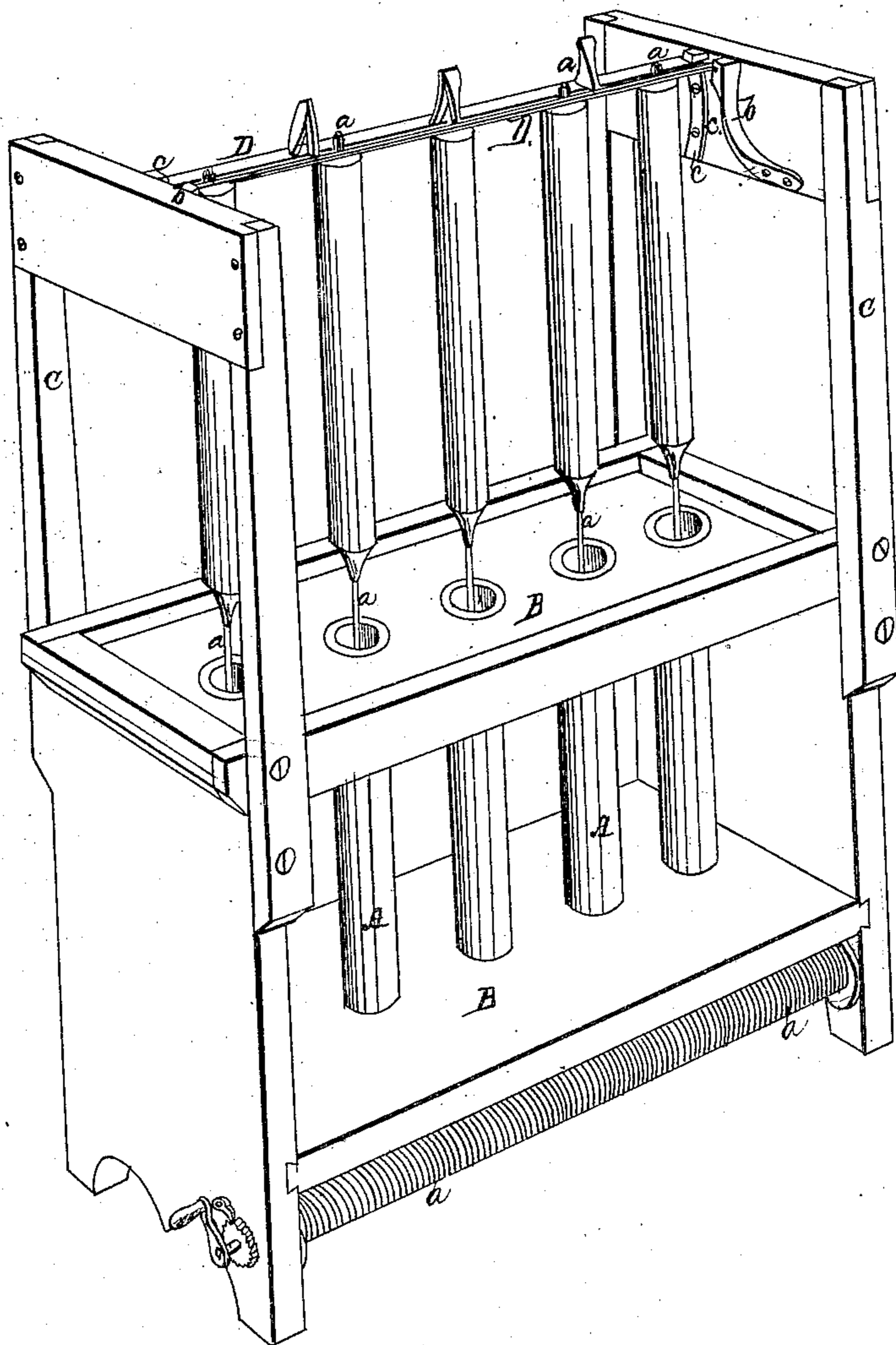


W. Humiston

Candle Mold.

N^o 8,607.

Patented Dec. 23, 1851.



UNITED STATES PATENT OFFICE.

WILLIS HUMISTON, OF TROY, NEW YORK.

CANDLE-MAKING APPARATUS.

Specification forming part of Letters Patent No. 8,607, dated December 23, 1851; Reissued January 22, 1861, No. 1,132.

To all whom it may concern:

Be it known that I, WILLIS HUMISTON, of Troy, in the county of Rensselaer and State of New York, have made certain new and useful Improvements in Candle-Molds; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of this specification, which drawing is a perspective view of the molds.

The nature of my invention consists in the manner of making the mold by suspending the candles or wick above the same when drawn so that the wick shall draw from a reel and suspend it in the center of the mold for the next succeeding candle to be molded thereon, in the operation of drawing the candles from the molds.

The construction is as follows: The molds A A set into their frame B B in the usual manner, and for the support of the candles, I construct frames or standards C, C, the wicks *a, a*, are gripped by grippers D, D, which are raised up, supported and held firmly closed by the springs *b, b*, bearing them into notches in the guide pieces *c, c*. The candles are thus drawn from the molds and suspended by the wick, at the same time wicking the mold for the next succeeding candles, which when molded, those suspended are cut off and removed successively.

I am aware that the continuous wick has been heretofore used, and the candles drawn and suspended above the molds in a number of series one above another before being divided from the wick. And also they have been drawn and laid upon a horizontal frame, at the same time wicking the molds for the next succeeding set of candles, and centering them by the tip of the candle from which the wick extends being placed immediately over the center of the molds,

as in Letters Patent granted to H. Camp, January 1850.

In the mode of drawing the candle from the mold, suspending and wicking for the next succeeding one, I am enabled to economize floor space equal to the ordinary mold frame; and my extra fixtures may be adapted to the ordinary frame mostly in use. The construction and operation being greatly simplified, and the wick may be stretched and held firmly independently of the candle, and without the liability of breaking the tip of the same, and being certain at all times of centering the wick precisely in the molds, with or without the candles being molded thereon. And the candles being cut off and removed after molding, and before drawing the next series of candles, leaves the reservoir at the top of the molds free to be scraped off even with the top of the molds.

Having thus described the nature of my invention I do not wish to be understood as claiming the drawing the candles and suspending them above the molds whereby the latter are wicked for the casting of the next series, of candles, this having been before done, but

What I do claim and desire to secure by Letters Patent is

The employment of grippers D, D, for gripping the wicks, drawing and suspending the candles on the frame above the molds by means of spring bearings by which the grippers are held firmly closed, and the candles are securely held and suspended until the next series of candles are molded, when those suspended are cut from the wick and removed, in the manner and for the purpose described.

WILLIS HUMISTON.

Witnesses:

CHAUNCEY H. HUBBARD,
E. G. BRUNDAGE.