

M. MASSEY.

Candle Mold.

No. 27,995.

Patented April 24, 1860.

Fig. 2

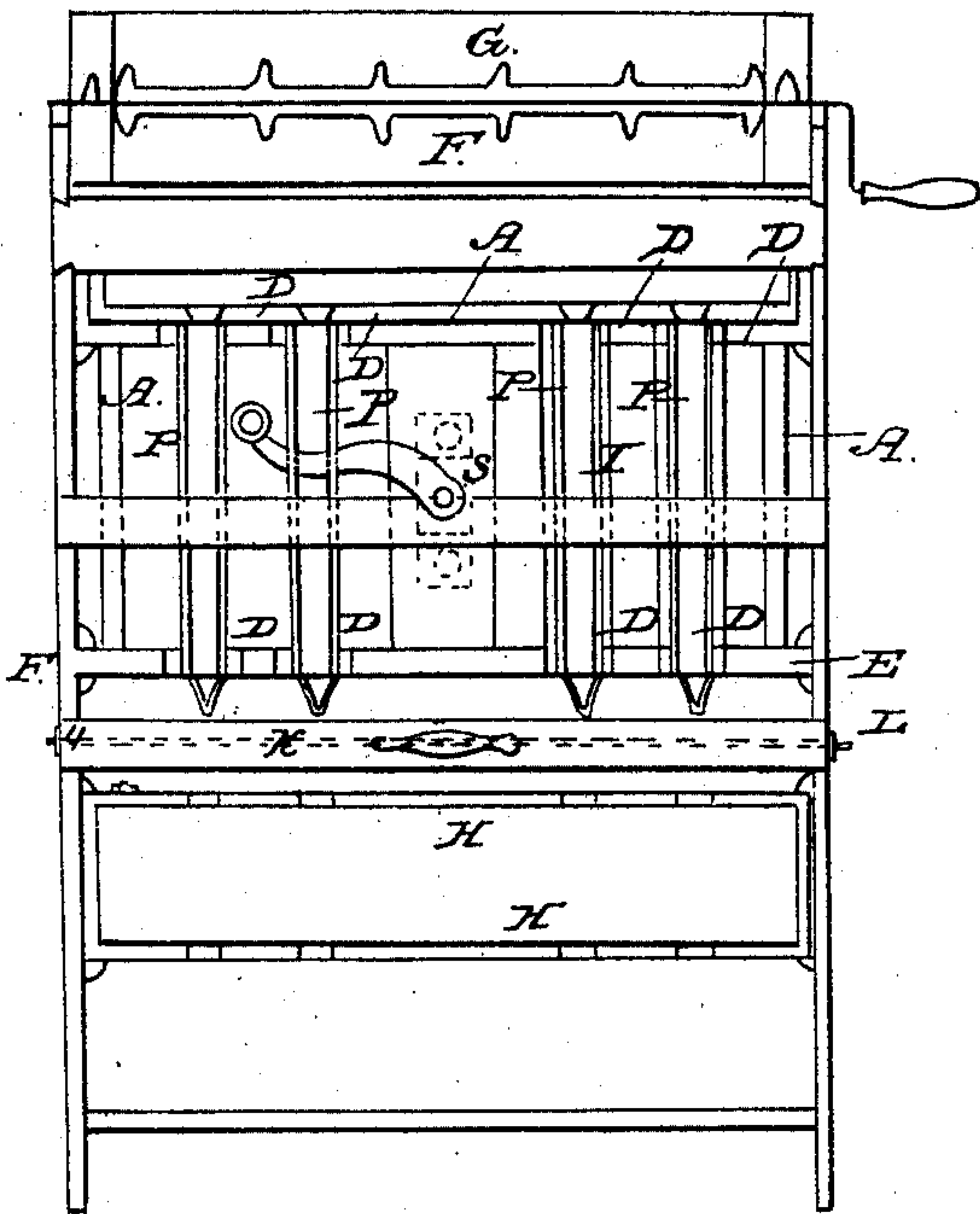


Fig. 3

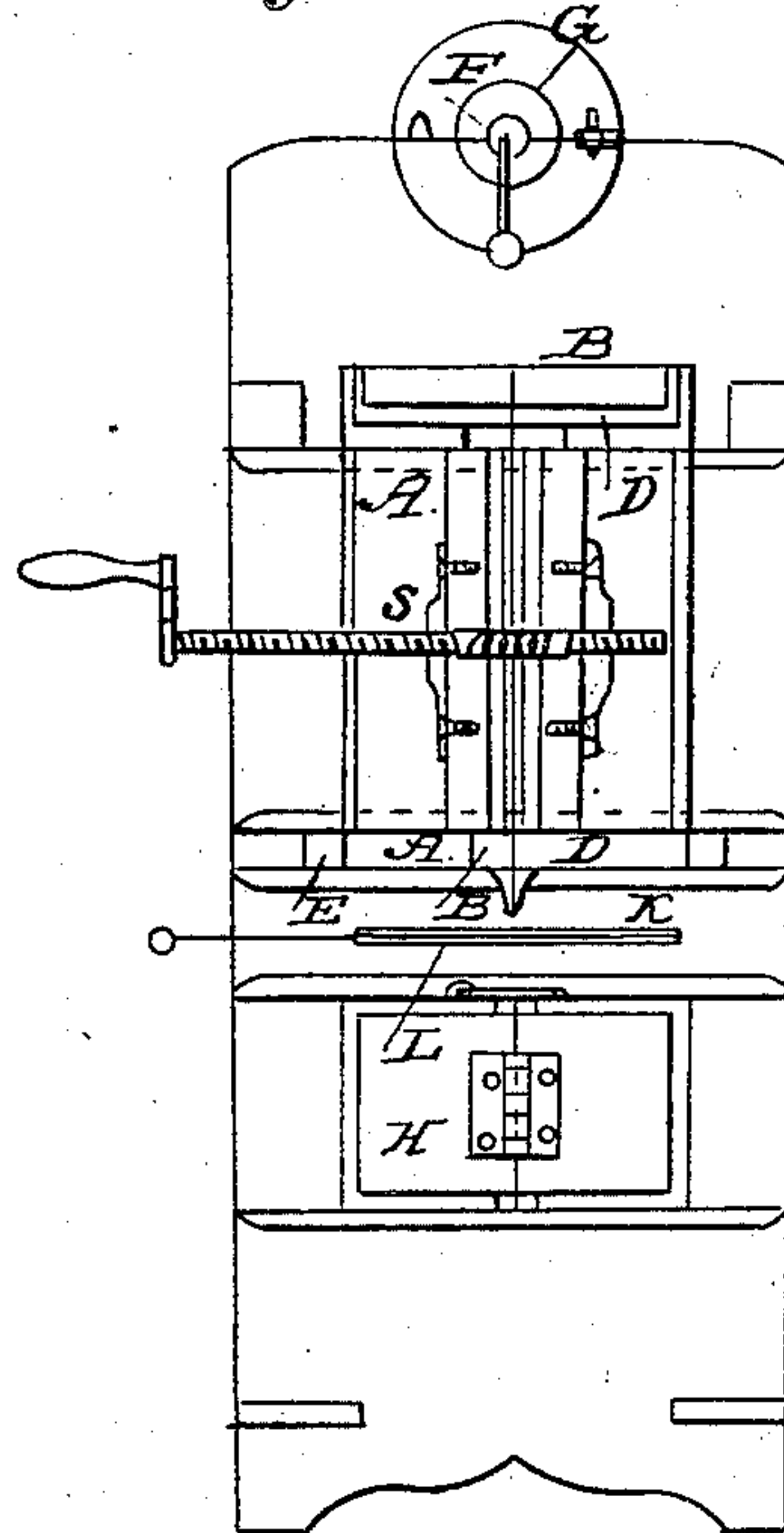
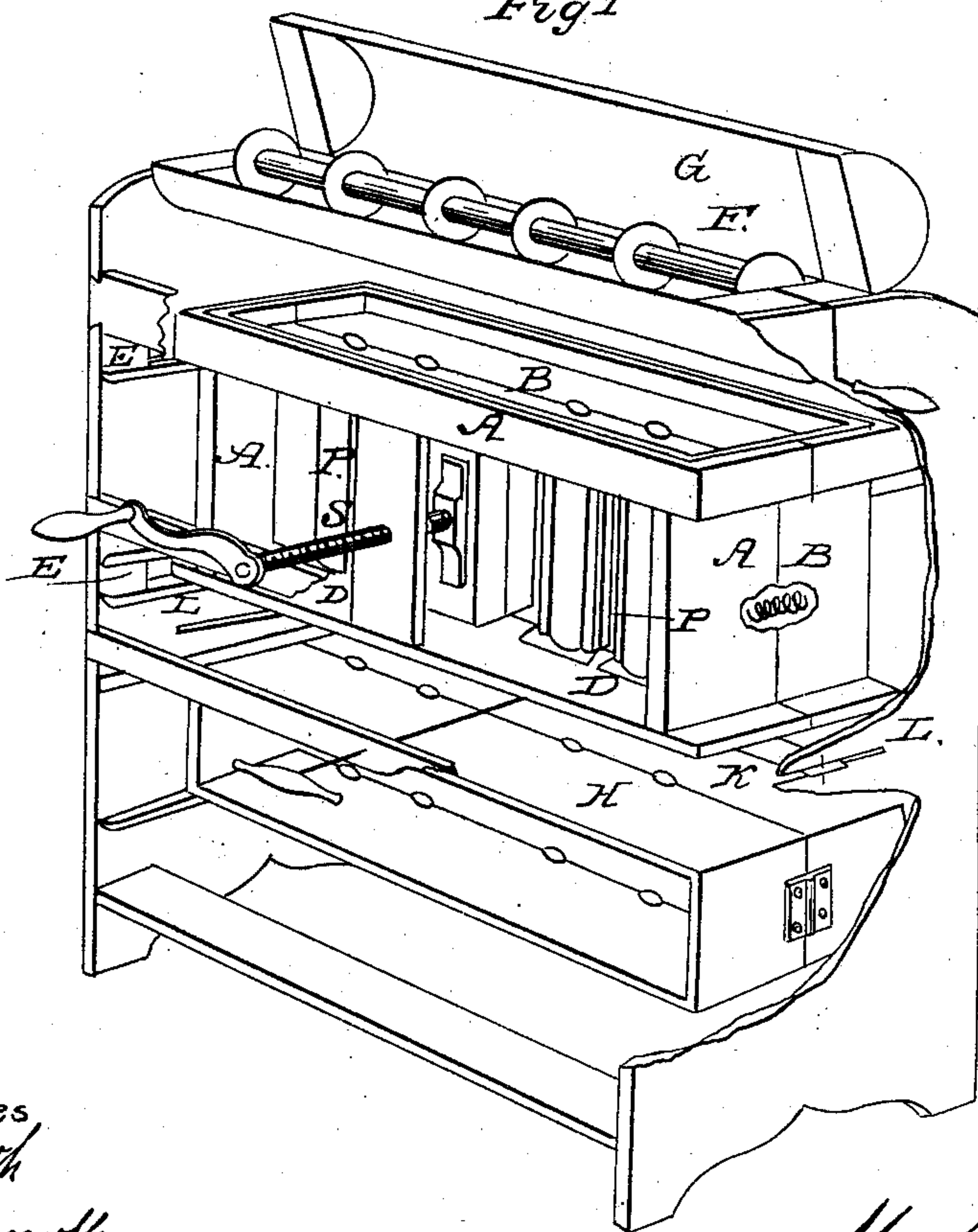


Fig. 1



Witnesses
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UNITED STATES PATENT OFFICE.

MICHAEL MASSEY, OF CLEVELAND, OHIO.

CONSTRUCTION OF CANDLE-MACHINES.

Specification of Letters Patent No. 27,995, dated April 24, 1860.

To all whom it may concern:

Be it known that I, MICHAEL MASSEY, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Machine for Making Candles; and I do hereby declare that the following is a full and exact description.

The nature of my invention consists in providing my machine with split pipes each half being dovetailed at the top and bottom ends into the inside edge of two inner frames that slide in grooves in the outer frame, each half pipe having flanges grooved and tenoned so that when closed they form a perfect joint, the inner frames are made to open and close by means of a double-acting or right and left screw, thereby releasing the candles and allowing them to drop into a receiving board. By this means the wicks which are contained in a drum at the top of the machine are drawn down and are ready for the next candles. I also provide a double edged knife which plays in slots cut into the outside frames that cuts off the wicks just below the tips. The receiving board is then removed and another inserted in its place. By this method I make a great saving in time and expense, the candles being removed from the machine without the use of ice or being obliged to wait for them to become hard enough to be drawn out as in the old method. I also provide a split board with apertures large enough for the wicks and tallow to pass through, which can be removed, thus taking away the surplus tallow without having to scrape it away as in the old method.

I make a continuous pipe by having the flanges connected or cast in one whole piece which serves to form the sides of a steam chest or ice box. The wooden pipes as represented in the model are made of metal for actual use.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 is a perspective view with a portion of the end board broken out to show the interior construction. Fig. 2 is a half section lengthways and Fig. 3 is a half section crossways of the machine.

I make a frame work similar to that already in use but I also make another frame A which is divided into two equal parts, designated by the line B B, and to each of

the inner edges I fasten one half of a split pipe P by means of a dovetail joint at their upper and lower ends seen at D, the pipes having flanges along their entire length with grooves and tenons to insure a perfect joint when closed.

The frames slide in grooves E E and are operated by the screw S. This screw is made to operate reversely from the middle by having one half its length cut with a right hand thread and the other a reverse or left hand thread, the nuts for which are placed one in each of the inside frames. I also provide a drum G at the top of the machine directly over the center of the pipes, to contain the wicks wound on a continuous spool F, which keeps them perfectly free from the collection of dirt or moisture. Underneath the tips of the pipes I provide a knife K having two cutting edges, the end of which slide in the slots L, L, and underneath this I provide a receiving board or box H to catch the candles when let fall into the holes in it to be removed, it is also split. Now when the candles have sufficiently cooled to allow, they are released from the molds by spreading the pipe frames A, they then drop into the receiving boards H carrying with them the wicks for the next candles, the pipe frames are again closed and the knife K is brought forward by the handle N cutting off the wick, the receiving board is then drawn out and set away for the candles to finish hardening and another inserted. I also make a continuous split pipe to form a steam chamber or ice box.

I do not claim the split pipe as new, nor the double acting screw or knife, but

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

1. The combination and operation of the several devices namely: The split pipe P, the right and left screw S, the springs in the sliding frames A, the knife K, the receiving boards H and the drum G, as herein described and operating for the purpose set forth.

2. I also claim the continuous split pipe to form a steam chamber or ice box as specified.

MICHAEL MASSEY.

Witnesses:

E. HESSENMULLER,
I. W. SMITH.