N. DUBRUL.

CIGAR MOLD.

No. 114,655. Patented May 9, 1871.

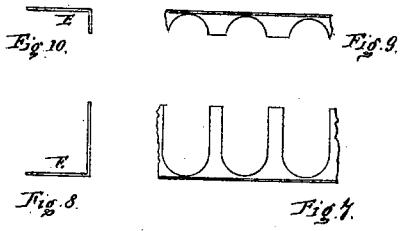


Fig. 10. Fig. 9.

Fig. 8. Fig. 7.

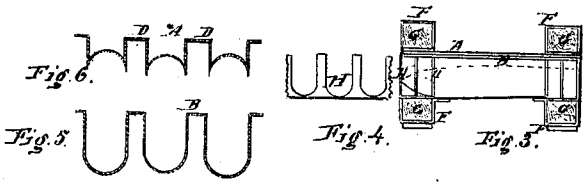


Fig. 6. Fig. 4. Fig. 3.

Fig. 5.

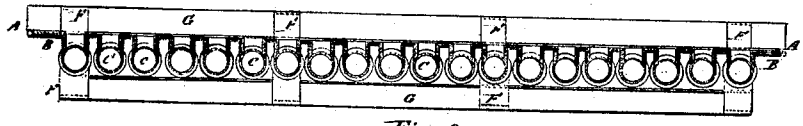


Fig. 2.

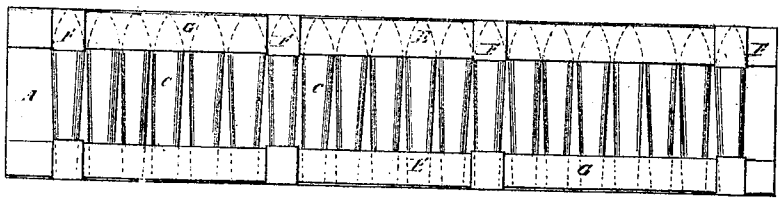


Fig. 1

Witnesses:
J. W. Murray
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Inventor:
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United States Patent Office.

NAPOLEON DUBRUL, OF JOLIET, ILLINOIS.

Letters Patent No. 114,655, dated May 9, 1871.

IMPROVEMENT IN CIGAR-MOLDS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, NAPOLEON DUBRUL, of Joliet, in the county of Will and State of Illinois, have invented certain Improvements in Cigar-Molds; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which, together with the letters and figures marked thereon, forms part of this specification, and in which—

Figure 1 is a top or plan view of my invention;

Figure 2 is a section taken on the line *x x* of fig. 1;

Figure 3 is a side view of my invention;

Figure 4 is a view of one of the bracing-plates or bridges;

Figure 5 is an enlarged central sectional view of the bottom mold;

Figure 6 is an enlarged central sectional view of the upper mold;

Figure 7, a front view of one of the bracing-bridges of the lower mold;

Figure 8, an end view of same;

Figure 9, a front view of one of the bracing-bridges of the upper mold; and

Figure 10, an end view of same.

Like letters of reference made use of in the several figures indicate like parts.

Nature of the Invention.

This invention relates to a mold for pressing or shaping cigars in the process of their manufacture; and

It consists chiefly in making the mold of pressed sheet metal formed into proper shape by dies, whereby certain new and useful results are produced, as will hereinafter appear; and

It further consists in a peculiar construction and arrangement of parts for the sake of strength and convenience in using, as will presently be more fully explained.

To enable those skilled in the art to make and use my invention, I will proceed to describe the same with particularity, making use in so doing of the aforesaid drawing.

General Description.

A is the upper, and

B the lower half of the mold.

C are the matrices or forms of the cigars, being hollowed to the desired shape.

The lower half may be made of one continuous piece of metal stamped out by a die, excepting the various bracing-bridges and the lugs.

The matrices C of the lower half are deeper than half the diameter of the cigar, while those of the upper half are somewhat shallower, and are arranged to fit within the matrices C of the lower half, so that when the damp cigars are placed within the lower mold the upper one may be brought down upon it, and will have play enough to press it into shape.

The upper half of the mold is made of separate parts soldered together.

The former or matrix C of this half is made of a single piece, and the connecting-piece D is likewise stamped out whole in the shape shown.

It will be seen in fig. 2 that the sides of the matrix and the sides of the piece D come together and form a sharp edge. These sides are soldered together firmly.

This sharp edge is very important to the proper working of the mold, as a blunt edge at this point will be sure to leave a ridge in the cigar.

It will be noticed that the sharp edge is formed by the sides of the matrix, the sides of the piece D being brought back a little from the extreme edge.

By making my mold of stamped sheet metal I am enabled to produce a smooth and even polished interior at a very small comparative expense, while, at the same time, the mold is lighter than if made of cast metal.

I have found by experiment that molds for cigars must be smooth, as the cigar will stick or adhere to the metal after it has dried in the mold under pressure.

Ordinary sheet metal is smooth enough for the purpose, while if the molds are cast they have to be subjected to an expensive polishing before use.

E are metallic strips fastened to the backs of the molds along their whole length, one edge being bent down and cut to conform to the outline of the mold.

F are lugs or eyes placed at intervals along the strips E, and surround the wooden bars G and secure them in position.

These bars serve to strengthen the mold and to afford a bearing for the molds when placed one upon another in the press.

H are bracing-bridges, consisting of metal strips cut to conform to the mold, and soldered to the back thereof to strengthen and protect the same from crushing in the press.

Claims.

Having thus fully explained the construction and operation of my invention, I will proceed to specify what I deem new and desire to secure by Letters Patent.

I claim—

1. The employment of the stamped sheet-metal matrices C in a cigar-mold, substantially as and for the purposes specified.

2. The combination of the part D and the matrix C of the upper half of the mold when joined to form a sharp edge, as specified and shown.

3. The combination of the bracing-bridges H and strips E with a sheet-metal cigar-mold, substantially as and for the purpose specified.

Witnesses: NAPOLEON DUBRUL.

J. W. MUNDAY,

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