N. Du BRUL.
Cigar-Mold.

No. 221,671. Patented Nov. 18, 1879.

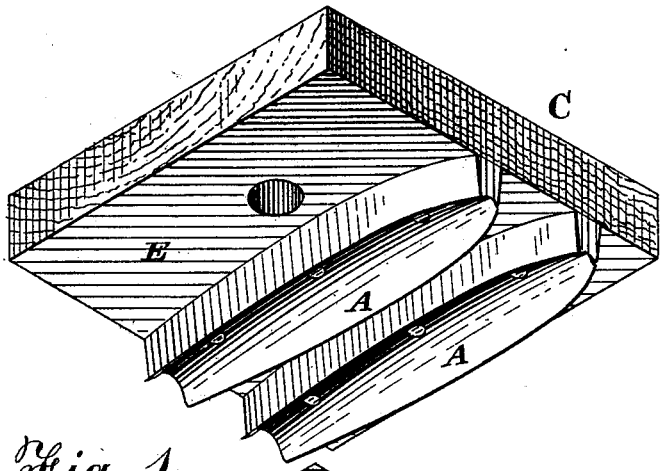


Fig. 1.

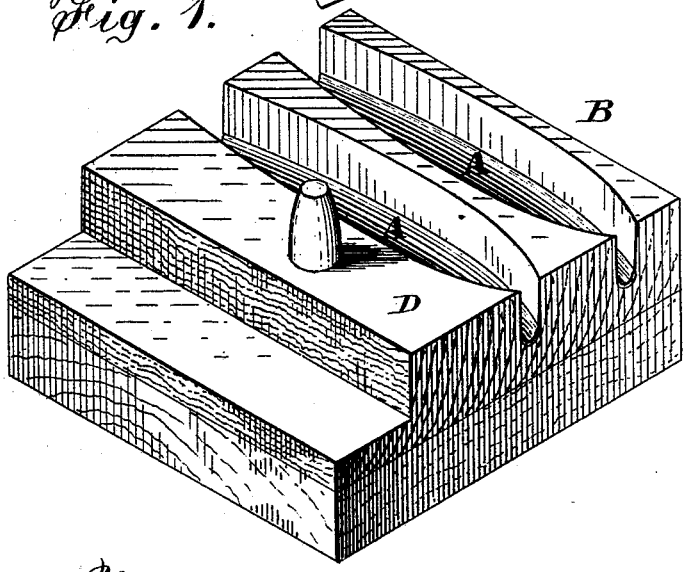
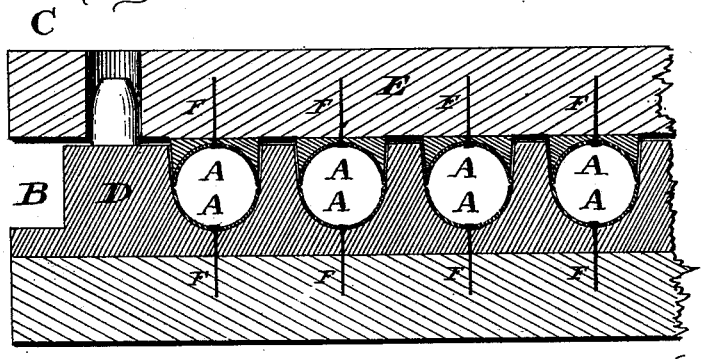


Fig. 2.



Attest.
Walter Knight
L. A. Bond

Napoleon DuBrul
by Knight Bros.
Attys.

UNITED STATES PATENT OFFICE.

NAPOLEON DU BRUL, OF CINCINNATI, OHIO.

IMPROVEMENT IN CIGAR-MOLDS.

Specification forming part of Letters Patent No. **221,671**, dated November 18, 1879; application filed February 14, 1879.

To all whom it may concern:

Be it known that I, NAPOLEON DU BRUL, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Improvement in Cigar-Molds, of which the following is a specification.

My invention is an improvement in tin-lined cigar-molds, which improvement, while securing the smooth finish incident to such lining-material, dispenses with about half of the "tin" (tin-plated sheet metal) usually employed, and secures other advantages hereinafter specified.

In the accompanying drawings, Figure 1 is a perspective view of a portion of my improved mold in its open condition. Fig. 2 is a transverse section of the mold in its closed condition.

The metallic portions or cups A of both lower member, B, and upper member, C, are, preferably, precisely similar, and are or may be struck from the same die. Said cups are, by means of tacks F, or by flanges or other suitable means, attached to their respective wooden portions of the mold D and E. Their inner edges are, preferably, slightly rounded, as shown in Fig. 2.

The drawings represent only a portion of one of the two similar ends of the mold and a few of the matrices at that end. In practice, about twenty matrices are combined in one mold.

While preferred that the upper and lower cups be precisely similar, and that they meet at the center of their transverse section, yet a slight variation may be made in such form—for example, the lower cups may rise a little above, and the upper ones stop correspondingly short of the central plane.

Several decided advantages result from this peculiar form of sheet-metal-lined mold; for instance, by making the lining of each upper or lower matrix exactly one-half of a circle, the accuracy of a perfectly circular section is obtained, the meeting edges constituting a true gage and insuring absolute rotundity.

In consequence of the offset or shoulder formed by the lining-edge of the lower matrix, the upper matrices can be fitted somewhat loosely, so as to facilitate separation of the upper from the lower half of the mold without injury to the bunches.

The margins of the tin cavity or lining being made so as to form a sharp edge on the outside, and being slightly rounded on their inside, there is a tendency, as said mold-portions are brought together, for such rounded edges to push the tobacco inward, so as to avoid the formation of fins or ridges, and to enable the molds to close perfectly.

All the surfaces actually in contact with the tobacco in the act of molding are metallic, and the smooth surface incident to a tin lining is secured at greatly less expense than in other sheet-metal molds.

The filling dries and sets more expeditiously than in those sheet-metal molds whose lining materially covers the walls as well as the concavities of the matrices.

I claim as new and of my invention—

1. A sheet-metal-lined cigar-mold whose upper and lower linings are substantially similar troughs A, each trough being semicircular in its transverse section, substantially as set forth.

2. A sheet-metal-lined cigar-mold whose upper and lower linings are substantially similar semicircular troughs A, and the walls of whose lower matrices, above the cups, are offset the thickness of the metal lining, and are formed by the wooden body of the mold itself, substantially as set forth.

3. A sheet-metal-lined cigar-mold whose upper and lower linings are substantially similar semicircular troughs A, and in which the upper and lower linings abut together within the walls D, substantially as and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

NAPOLEON DU BRUL.

Attest:

GEO. H. KNIGHT,

WALTER KNIGHT.