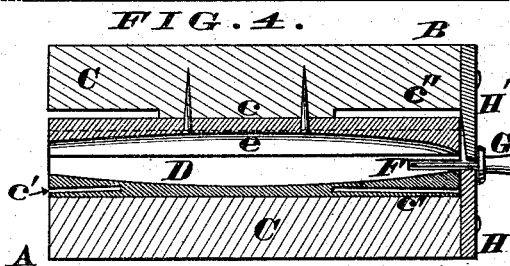
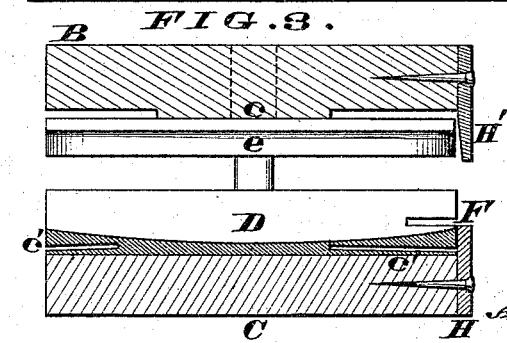
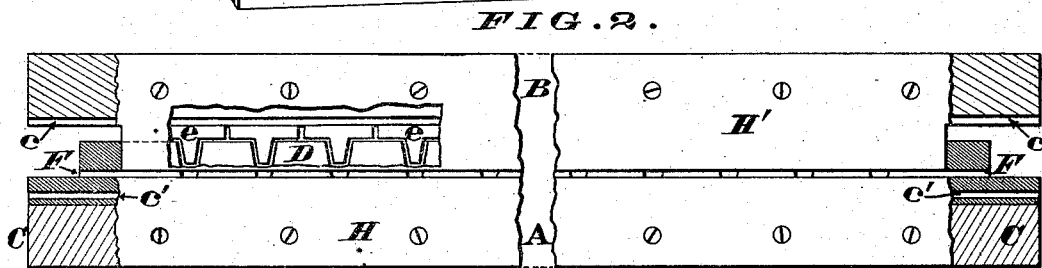
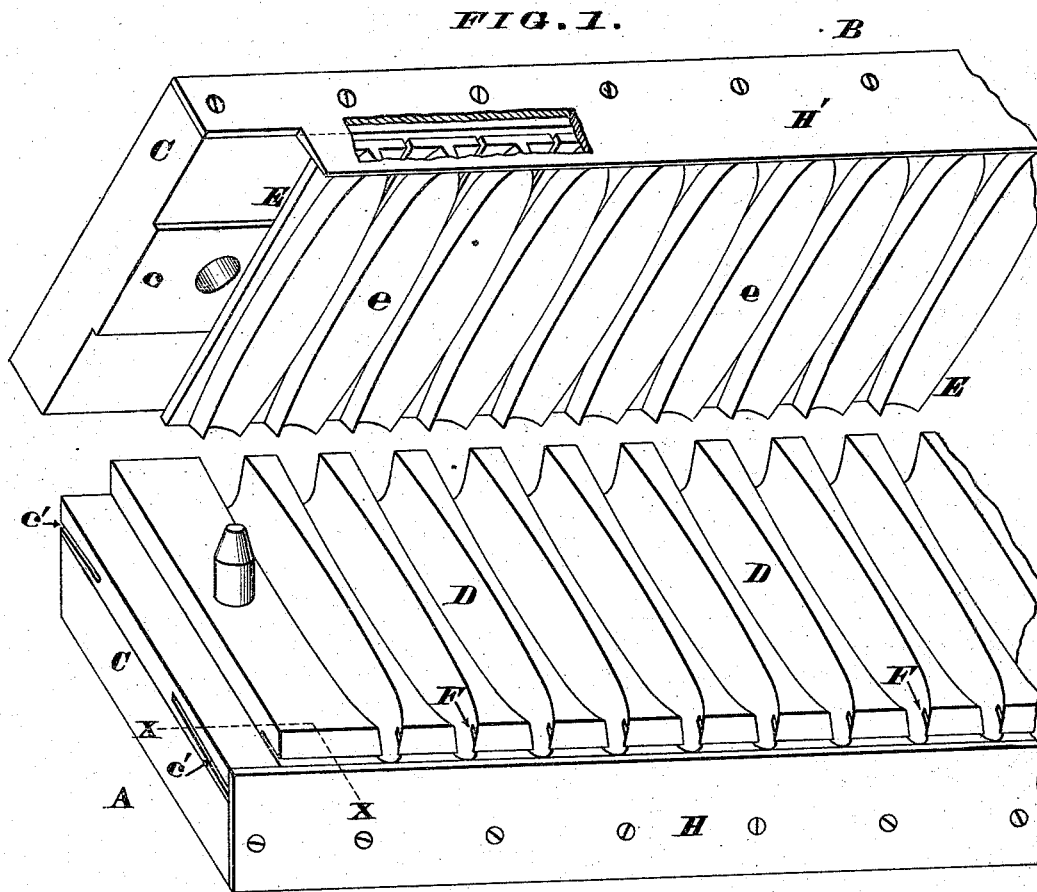


N. Du BRUL.
Cigar-Mold.

No. 164,981.

Patented June 29, 1875.



Attest,
Geo. H. Layman,
Henry Tanner
 Napoleon Dubrul
 Day Knight Bros. Att'ys.

UNITED STATES PATENT OFFICE.

NAPOLEON DU BRUL, OF CINCINNATI, OHIO.

IMPROVEMENT IN CIGAR-MOLDS.

Specification forming part of Letters Patent No. **164,981**, dated June 29, 1875; application filed May 25, 1875.

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 Cigar-Mold, of which the following is a specification:

My invention comprises a construction of cigar-molds, whereby the portions nearest to one or both ends are made more or less yielding, so as to secure a correspondingly-open condition of the cigar ends to facilitate the lighting or kindling of the cigar. My invention further comprises a provision in the mold for the passage of a cutting instrument through the tips of the cigars while the same are in the mold, so as to constitute an additional aid to the smoker in first starting the cigar.

In the accompanying drawing, Figure 1 is a perspective view of corresponding portions of the upper and lower members of my mold in the open or separated condition. Fig. 2 is a front view of a mold in the closed condition, a middle portion of the mold being broken away. Figs. 3 and 4 are sections in the vertical plane of the axis of a mold-cavity in the open and closed conditions respectively.

A represents the lower member or bed, and B the upper member or cap, of a cigar-mold embodying my improvements. Each member has a back slab, C, which differs from those customarily employed only in having a raised central portion, *c*, to which the matrices or molds proper D E are attached. The effect of this construction is to give to the end portions of the matrices a slight limberness or capacity for yielding to any excessive stress of the material undergoing compression at these parts, so as to insure a certain degree of openness at the ends of the pressed cigar-filling for greater facility of lighting the cigar. The upper member E of the matrices is preferably composed of a number of separate pieces, *e*—one for each cigar-filling—so that the end portions of each piece have a yielding capacity independently of the others. The yielding feature is of the greatest value at the small end or point of the cigar, and may be confined thereto, but it is preferred to apply the provision to both ends, as in the present illustration. Where the matrices and backing are in one piece, or of two pieces glued or

otherwise permanently fastened together, the desired limber quality may be obtained by saw-kerfs, as at *c'*. A means of still further opening the small end of the filling consists of a kerf or groove, F, in the common plane of the axes of the lower matrices, and penetrating sufficiently into the substance of the mold to permit the passage of a knife, G, or other cutting instrument, and to prevent the wearing or hacking of the molds by such instrument. I attach to the front of each member A and B a guard-plate, H H', of brass, sheet-iron, or other material of sufficient hardness. It will be seen that the solid portion or surface *c''* of the slab or backing serves the purpose of a definite stop or gage to the expansion of the matrix, so as to prevent the latter becoming excessive, and to guard it from the liability to become sprung or broken by the counter pressure of the filling. It is also apparent that the portion *c''* might be omitted from the upper member and its place and duties be supplied by a corresponding projection from the under side of the bed of the pair of molds next above it in the stock.

I claim herein as new and of my invention—

1. A series of cigar-molds centrally attached to a suitable backing, and made flexible at one or both ends, as and for the purpose set forth.
2. A series of independent matrices or cigar-molds, centrally attached to a suitable backing, and made flexible at one or both ends, as and for the purpose set forth.
3. A cigar-mold having a kerf or groove at the back near the ends of the compressing-surfaces, for the purpose described and set forth.
4. In combination with a cigar-mold made flexible at one or both ends, the solid backing *c''*, affording a guard or stop, substantially as set forth.
5. The guide or guard-plates H H', applied to the cigar-mould on each side of the kerf F, as and for the purpose specified and set forth.

In testimony of which invention I hereunto set my hand.

NAPOLEON DU BRUL.

Attest:

GEO. H. KNIGHT,
JAMES H. LAYMAN.