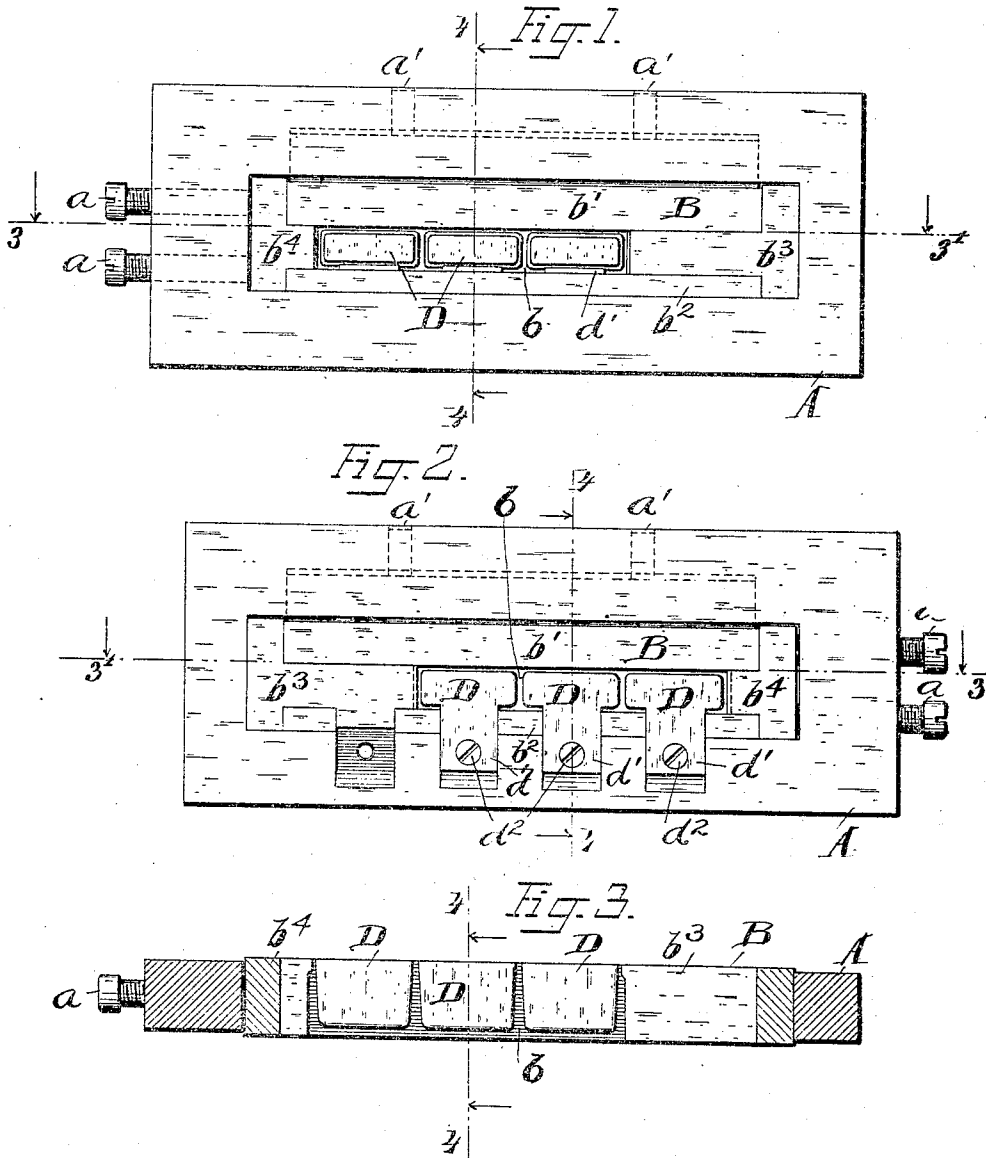


D. PETRI-PALMEDO.
 LINOTYPE MOLD.
 APPLICATION FILED SEPT. 24, 1909.

1,005,463.

Patented Oct. 10, 1911.

2 SHEETS-SHEET 1.



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2 SHEETS-SHEET 2.

Fig. 4.

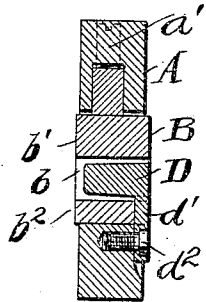


Fig. 6

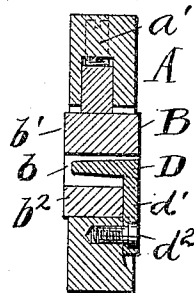


Fig. 5.

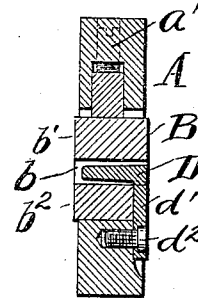


Fig. 7

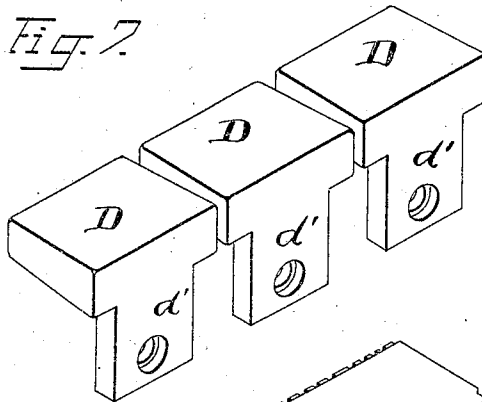
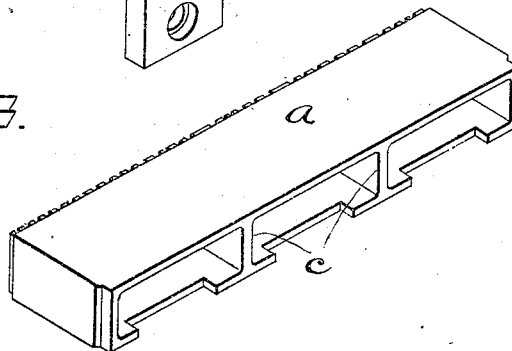


Fig. 8.



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UNITED STATES PATENT OFFICE.

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LINOTYPE-MOLD.

1,005,463.

Specification of Letters Patent.

Patented Oct. 10, 1911.

Application filed September 24, 1909. Serial No. 519,443.

To all whom it may concern:

Be it known that I, DAVID PETRI-PALMEDO, a citizen of the United States, residing at Hoboken, in the county of Hudson and State of New Jersey, have invented a certain new and useful Improvement in Linotype-Molds, of which the following is a full, clear, and exact description.

This invention relates to molds adapted for use in line casting machines in connection with an assembled line of matrices for casting linotype.

The object of the invention is to provide a mold in which may be produced hollow linotype or type bars, such as form the subject-matter of my application filed concurrently with the application for this patent.

The invention consists in the combination with a slotted mold, of a core or cores projecting into the mold slot from the rear thereof, the rear ends of said cores being in the same plane with the rear face of the mold.

It also consists in the construction and combinations of parts shown in the drawings and hereinafter described and defined by the claims.

In the drawings Figure 1 is a front view of a mold and its carrier or frame. Fig. 2 is a rear view of the same. Fig. 3 is a horizontal section on line 3—3 of Figs. 1 and 2. Fig. 4 is a vertical section on line 4—4 of Figs. 1, 2 and 3. Fig. 5 is a similar section showing the mold adjusted for a considerably thinner slug than that which would be produced by the mold as shown in Figs. 1, 2, 3 and 4, and with a core to correspond. Fig. 6 is a sectional view similar to Figs. 4 and 5 but showing the mold adjusted for a slug of a size intermediate between that produced by the mold shown in Fig. 4 and that produced by the mold shown in Fig. 5, the core being the same, however, as the one shown in Fig. 5. Fig. 7 is a perspective view of three of the cores. Fig. 8 is a perspective view of the product, a hollow linotype.

Referring to the parts by letters, A represents the mold carrier, which is in the form of a rectangular frame, in which is a rectangular recess for the reception of the mold proper.

The mold B is of conventional construc-

tion consisting of a top member b^1 , a bottom member b^2 , and the right and left hand liners b^3 b^4 , which parts when assembled leave the mold slot b between them. This mold is removably held in the carrier by the set screws a a^1 , or other appropriate means.

D represents cores adapted to project into the mold slot from the rear side thereof. Each is provided with a laterally projecting tail piece, which is nicely fitted in a recess in the rear face of the bottom mold member,—the rear face of this tail piece being in the same plane as the rear faces of the mold members. This tail piece also enters a recess in the mold carrier,—the tail piece being secured to the mold carrier by screw d^2 . These cores are of slightly decreasing cross sectional area from their rear toward their front ends. Preferably several of these cores are employed. If they are they should be set a short distance only apart, so that when a linotype is cast in the mold slot, said linotype will have the transverse vertical ribs c which extend from the front to the rear walls of the linotype as shown in Fig. 8. Among the reasons for preferring to fix the tail pieces of the core to the mold carrier instead of the mold, the following may be mentioned, viz. the same cores may be utilized without readjustment for several sizes of mold slots,—especially in a machine, in which both the top and bottom of the mold slot occupy different positions relative to the carrier when a mold with a different width of slot is put into the carrier. If the substituted mold has a narrower slot the side walls of the linotype produced therein will be thinner. This will be understood by reference to Figs. 5 and 6, which show molds whose slots differ in width, whereas the cores are alike. Moreover the mold may be removed and another substituted without disturbing the connection of the cores to the carrier.

It is to be understood that in using the described mold the front side, *i. e.* the left side as shown in Figs. 4, 5 and 6, is to be closed by a line of matrices, while the rear side of said slot is to be closed by a nozzle which engages the rear faces of the mold members. Since the rear faces of the cores and their tail pieces are flush with and continuations of the rear faces of the mold

members, such a nozzle as is ordinarily used may be employed in connection with the described mold.

Having described my invention, I claim:

5 1. The combination of a slotted linotype mold having a recess in its rear face, with a core having a laterally extended tail piece which fits said recess and is rigidly fixed therein, the rear face of said tail piece be-
10 ing in the same plane with the rear face of the mold.

2. The combination of a slotted linotype mold, a carrier in which said mold is removably secured, both the carrier and mold

having recesses in their rear faces with a 15 core which projects into the mold slot from the rear and has a tail piece which is fitted into the recesses in the mold and mold carrier and is secured to the latter, the rear face of said tail piece being flush with the rear 20 face of the mold.

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

DAVID PETRI-PALMEDO.

Witnesses:

CHARLES H. SCHUMAN,
MORITZ GASETEUR.