

 | contains female brass type known as |
| :--- |
| matrices, such as sslown in a separate | matrices, such as shown in a separate

figure. At the toot of each channel an escaping device B prime is located and
connected by rad rod C with one of the



Fig. 1. Slug Showing a Line. A Line of Type as Made by the Machine. and positive spaces required for tabu-
lar work. A small magazine $H$ con-
voles, and an ejector advancing from
the rear pushes the completed slug out



 keys are depressed, their escapements
release the corresponding matrices
one at ends of the matrices engage a bar
R.ime from the thener raises and carries the
Rat of the
matrices to the top of the machine,


 | assembling-block $G$, where they are |  |
| :--- | :--- |
| composed or arranged side by side in | $\begin{array}{l}\text { top of the machine, they are shifted } \\ \text { to the right between screws } U \text {, which }\end{array}$ |


line at proper intervals. The space--
key Jis actuated o drop the automat
ic spaces $I$ into the line betwen the
matrices. ic spaces
matrices.
When a ing an a entine line of otrices, represest- $\begin{aligned} & \text { int. } \\ & \text { pleted, is com- }\end{aligned}$ is transferred as indicated pleted, it is transferred as indicated
by the arrows from the assembler or
stick $G$ to the face of the stick G to the face of the mould-wheel
K. Throug this wheel from front to
back, there is a slot of the exract b. Chrough this wheel from front the a slot of the exact size
of the required slug or linotype. The of the required slug or linotype. The
female character of the matrices are
presented the fron tof this siot The
back of the mold slot is closd by the femaie characters of the matrices are
presented to the front of this siot The
back of the mold slot is clos thy the
mouth of the melting-pot M, containing mouth of the melting-pot M, containing
a supply of type-metal, kept in a mol
ten condition by a gasburne


 with wedged spaces at suitable point
in the line as shown below.
 of raised printing type on a slug which
may be cast into or against the matrix
characters. After the composed as above it is automatieclly
transferred to the face of a mold, into Which motren metal is delivered to
produce the slug or linotype, after
which the matrices are distributed or Loan and Trust Company, returned to the magazine to be again
composed in new relations for suc-
ceeding lines. $\qquad$ FIG. 5-MANNER OF CASTING.
This shows the manner of casting.
FIG. 6 -ASSEMBLING THE LINES.


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