

P. T. DODGE.
PRINTING FORM.

APPLICATION FILED OCT. 26, 1912.

1,064,455.

Patented June 10, 1913.

Fig. 1.

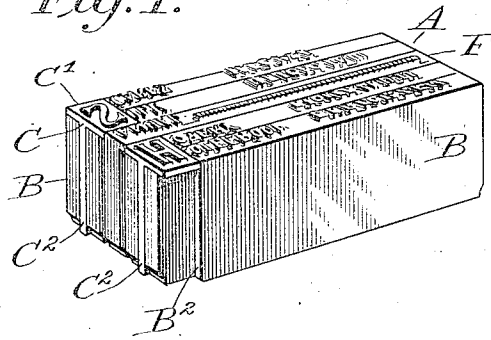


Fig. 2.

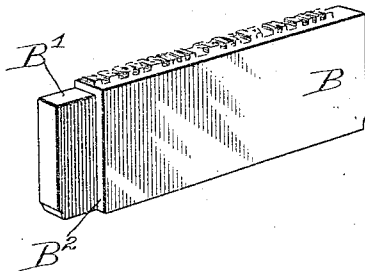


Fig. 3.

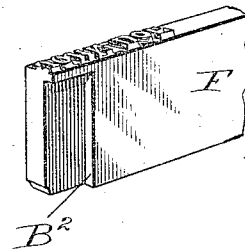


Fig. 4.

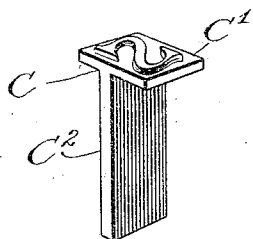


Fig. 5.

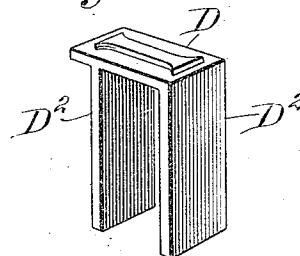
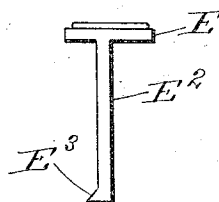


Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

PHILIP TELL DODGE, OF NEW YORK, N. Y., ASSIGNOR TO MERGENTHAUER LINOTYPE COMPANY, A CORPORATION OF NEW YORK.

PRINTING-FORM.

1,064,455.

Specification of Letters Patent.

Patented June 10, 1913.

Application filed October 26, 1912. Serial No. 727,891.

To all whom it may concern:

Be it known that I, PHILIP T. DODGE, a citizen of the United States, and a resident of New York, county of New York, and State of New York, have invented a new and useful Improvement in Printing-Forms, of which the following is a specification.

My invention relates to printing forms, and more particularly to that class thereof wherein are employed type formed with overhanging characters and supporting shanks of less width than the characters, in combination with printing slugs which extend beneath and support the overhanging characters of the type. Type of this class are frequently provided with large extending letters which cover two, three or more lines of print, and it is one of the purposes of my invention to employ such type in connection with slugs carrying smaller characters. In order to permit such use, the slugs or linotypes are formed with recesses in the sides thereof, at their ends or in any desired location, these recesses being designed to receive the supporting shanks, and thus to permit the type and slugs to be accurately and firmly locked in the form and to prevent the accidental displacement of either.

In the accompanying drawing, I have shown my invention in preferred form and by way of example, but obviously many variations and modifications may be made therein and still be comprised within its spirit. Generally speaking, I desire it to be distinctly understood that I do not limit myself to any specific form or embodiment, except in so far as such limitations are specified in the claims.

Referring to the drawing: Figure 1 illustrates a printing form embodying my invention; Fig. 2 shows one of the constituent slugs thereof; Fig. 3 is a view of a slug having printing characters along its entire edge; and Figs. 4, 5 and 6 illustrate different forms of the individual type.

It frequently occurs in printing, and especially in connection with advertising matter, that it is necessary to employ characters which project across two or more ordinary lines, and in Fig. 1 is illustrated a printing form A adapted to produce such matter. This form is shown as made up of slugs B, type C, and slugs F. The type C (see Fig. 4) comprise an overhanging character por-

tion C¹ and a supporting shank C² of considerably less width. The slugs B (see Fig. 2) are like the ordinary commercial linotype, except that they are recessed at B¹ to receive and support the overhanging character portion C¹, and also recessed at B² to receive the type shank C², the recess B² being of such depth that no portion of the shank extends beyond the side surface of the slug. When the slugs B and type C are assembled, they constitute a printing form such as shown in Fig. 1, and due to the engagement of the parts, as previously described, both the type and slugs may be firmly and accurately locked in position and in exact parallelism to each other without the employment of interposed leads, paper and the like.

The recess B² of the slug B may be formed in any desired manner, as for instance by a member projecting into the ordinary linotype mold slot, as from a liner or otherwise, in the manner well understood in the art. The recess B¹ of the slug is preferably formed by the employment at the appropriate place in the matrix line of the well known blank quads or spaces. It will be understood that in connection with the slugs B and type C, may be employed slugs E (see Fig. 3) having characters along its entire printing edge, which result is secured by assembling the matrices in the ordinary manner. This may be done without change in the parts, such as the substitution of a different liner or otherwise, as the recess B² would in such circumstances not extend to the printing edge.

In Fig. 5 I have illustrated another form of type D, which differs from the one shown in Fig. 4 in that it is provided with a plurality of supporting shanks or legs D².

In Fig. 6 I have shown still another modified form of type E provided with the supporting shank E², which in turn is formed with a projecting or locking foot E³, the engagement of which with a corresponding recess in the supporting slug tends to lock the type even more firmly in position and positively prevent its displacement therefrom.

As previously stated, I have shown my invention in preferred form and by way of example, but obviously many changes and variations therein will suggest themselves to those skilled in the art and still be comprised within its scope.

Having thus described my invention, what I claim and desire to secure by Letters Patent of the United States, is as follows:

1. A printing form comprising a type
5 having an overhanging character and a supporting shank of less width than the character, in combination with a slug recessed to receive said shank and extending beneath
10 said overhanging character to support it, the said shank-receiving recess being of such depth that no part of the shank extends beyond the side surface of the slug.

2. A printing form comprising a type
15 having an overhanging character and a supporting shank of less width than the character, in combination with a slug carrying printing characters on a portion of its edge and the remaining portion thereof extending
20 beneath the overhanging type character to support it, and recessed in its side to receive said shank, the said recess being of such depth that no part of the shank extends beyond the side surface of the slug.

3. A printing form comprising a type

with an overhanging character and a shank 25 of less width than the character, in combination with a printing slug recessed in its side to receive said shank and in its edge to receive and support said overhanging character, the said side recess being of such 30 depth that no part of the shank extends beyond the side surface of the slug.

4. A printing form comprising a type
having an overhanging character and a supporting shank of less width than the character, in combination with a plurality of
35 slugs in lateral contact with each other, and extending beneath said overhanging character to support it, and formed in their sides with recesses of sufficient depth to receive
40 and contain the said shank.

In testimony whereof I hereunto set my hand this 23rd day of October, 1912, in the presence of two attesting witnesses.

PHILIP TELL DODGE.

Witnesses:

E. J. LAMB,
WALTER MOBLARD.