

F. H. RICHARDS.

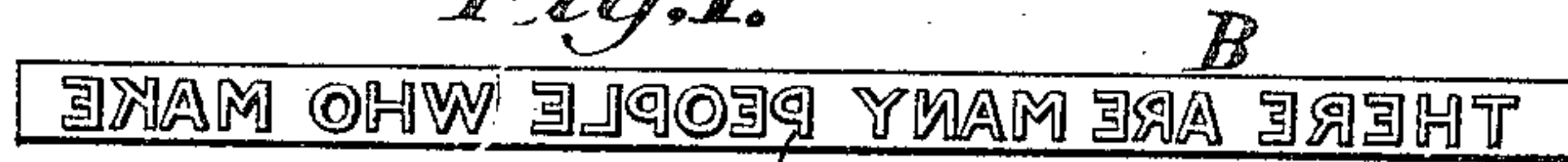
TYPE BAR.

APPLICATION FILED AUG. 7, 1902.

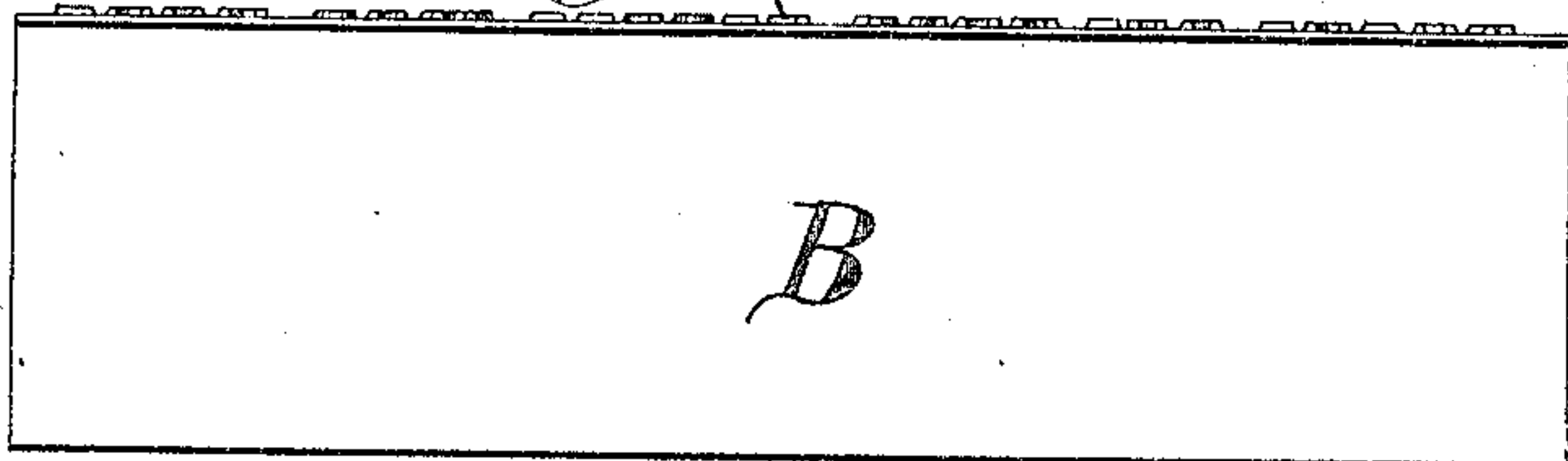
958,435.

Patented May 17, 1910.

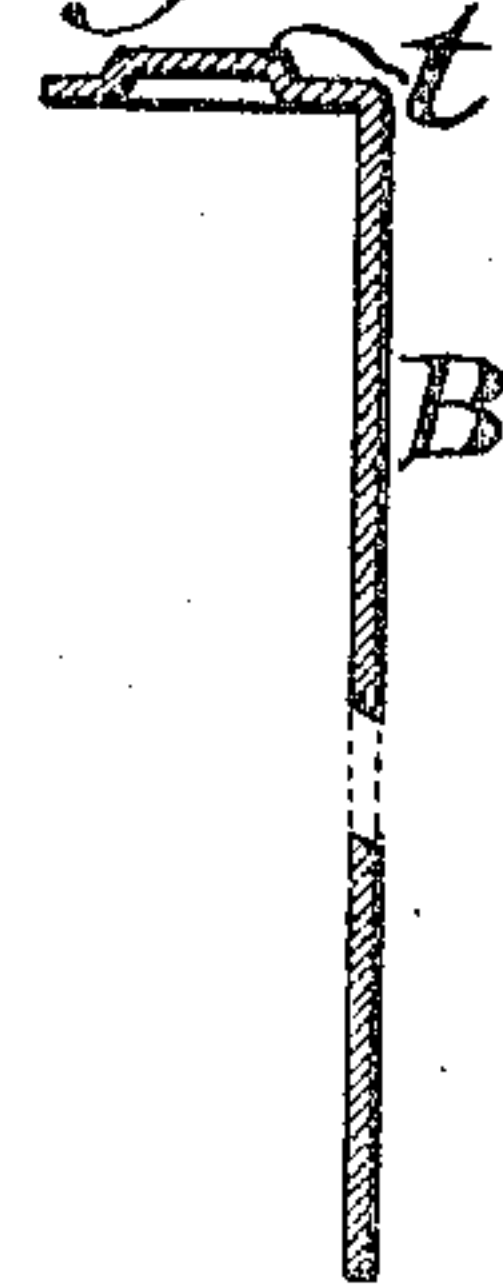
*Fig. 1.*



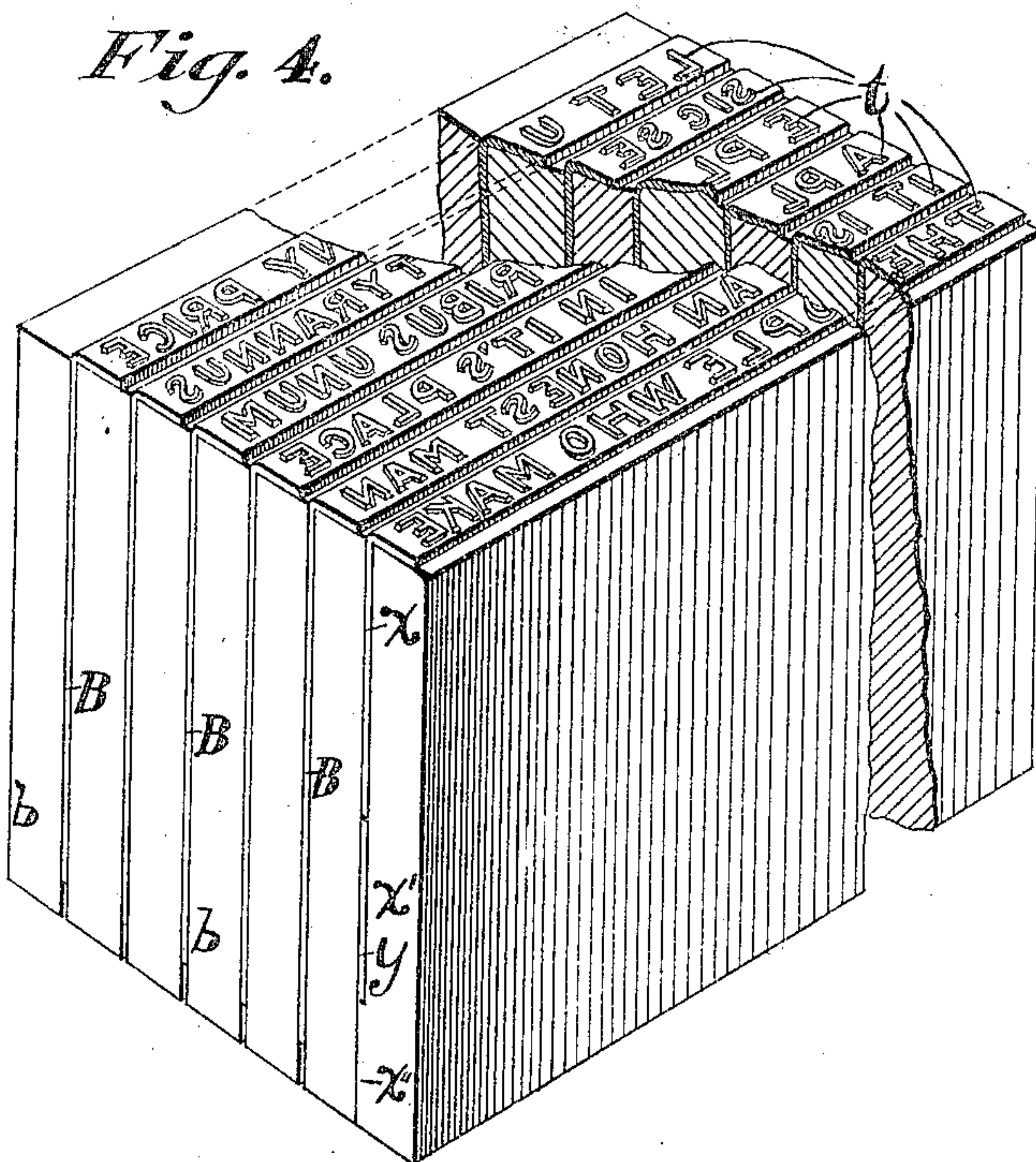
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Witnesses:*

*H. Jacobs,*  
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*Inventor:*

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# UNITED STATES PATENT OFFICE.

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## TYPE-BAR.

958,435.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed August 7, 1902. Serial No. 118,758.

*To all whom it may concern:*

Be it known that I, FRANCIS H. RICHARDS, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Type-Bars, of which the following is a specification.

My present invention pertains to typebars having impression-faces or characters formed thereon.

The present invention relates in particular to typebars bearing characters, and more especially printing types, made from a blank of proper material; such a series forming a line of types which may constitute the printing portion of a typebar adapted for use in the typographic art.

An object of this invention is to provide a form of typebar particularly adapted to the formation of types thereon, from or on relatively thin type-formable material. Such bars will be of suitable form dimensionally adapted to have types or characters formed thereon, and will be furnished with bodies which may be integral therewith and adapted for the construction of type-forms. The bodies will be dimensionally sufficient for the purpose last mentioned, and will each have a relatively thin flange or member projecting angularly therefrom on which the types will be formed; in which form of typebar provision will be made for supporting the type-bearing flange of one typebar upon the body of a contacting typebar when said bars are in use, and the bodies of such typebars may be of equal thickness throughout, or they may be of reduced thickness in parts, either transversely or longitudinally.

In the drawings, Figures 1 and 2, respectively, are a top plan view and a front elevation of an angle-typebar; Fig. 3 is a vertical transverse section thereof, on a larger scale, a part of the wider member thereof being broken out; and Fig. 4 is a perspective view of a number of said typebars set up with interposed blocks, parts of each being broken out, and a before-mentioned modification of a typebar and block being shown at  $x, x'$ .

In Fig. 4, angle-typebars and blocks of different proportional dimensions are shown; the wider members of the typebars B, extending nearly to the bottom of the type-

form, and the interposed blocks  $b$ , being adapted to contact all of the inter-angular space in said typebars; while the wider member of the bar  $x$ , as shown, is much narrower, and a complementary offset or projection  $x''$ , on the interposed block  $x'$ , supplements the wider member of the typebar at the lower part of the form and thus provides for the proper locking of the latter. In the last mentioned form of construction an unoccupied space  $y$ , may intervene between the projection  $x''$ , and the typebar. In some instances, and more especially where the typebars may be required for transient use only, the latter form of construction may be the more desirable, as less material would be required to form the typebars; this form of type would require less material for its construction, and a larger proportion of the material would be permanently retained in a form adapted to be repeatedly used.

Having described my invention, I claim—

1. A type bar embodying a support, a type face of sheet metal having upon it a line of spaced apart and properly related typographic composition, said type face being adapted to rest upon the top of said support and having dependent from its longitudinal edge a flange extending down the side of the support nearly to the bottom thereof.

2. A typographic form embodying a plurality of supports approximating in width the height of a line of composition, of a series of sheet metal members each approximating in length a line of composition and having upon it a line of spaced apart and properly related typographic composition and each resting upon the top of a support, each of said members carrying at one edge a longitudinally disposed flange extending over the side of the support upon which its type face carrying member rests, said flanges being of slightly less height than the height of the supports and being located in position between the side faces of the supports substantially as and for the purposes specified.

FRANCIS H. RICHARDS

Witnesses:

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