Dec. 11, 1923.

1,477,046

A. C. EVANS

PRINTER'S CHASE

Filed March 24, 1922

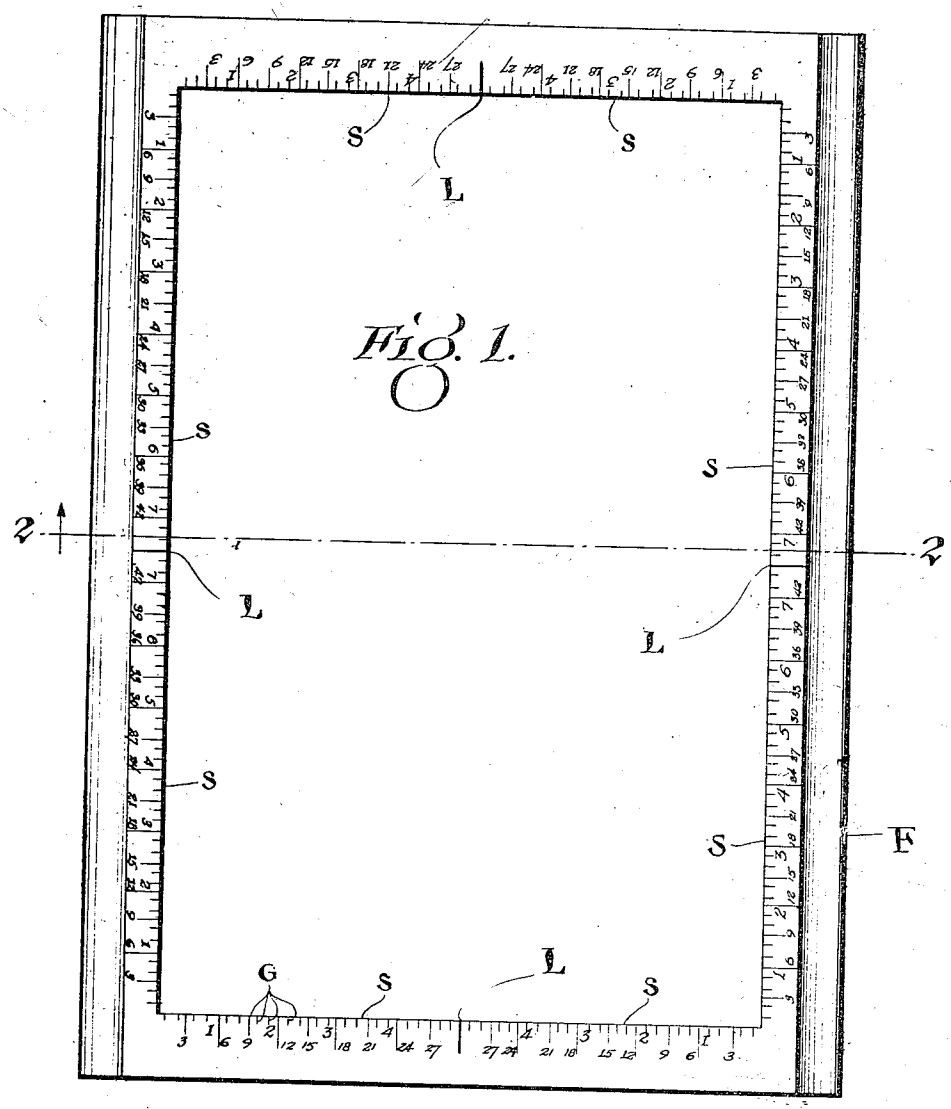
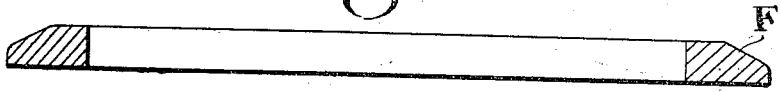


FIG. 1.

FIG. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

ALBERT C. EVANS, OF BUTTE, MONTANA.

PRINTER'S CHASE.

Application filed March 24, 1922. Serial No. 546,389.

To all whom it may concern:

Be it known that I, ALBERT C. EVANS, a citizen of the United States, and a resident of Butte, in the county of Silverbow and State of Montana, have invented certain new and useful Improvements in Printers' Chases, of which the following is a specification.

My invention relates to printers' chases and the purpose of my invention is the provision of a chase by means of which a type form can be quickly and accurately centered within the chase without the necessity of measuring, and in such manner that the number of picas of furniture necessary to confine the form in centered position will be automatically indicated.

I will describe one form of chase embodying my invention and will then point out the novel features thereof in claims.

In the accompanying drawings:

Figure 1 is a view showing in top plan one form of chase embodying my invention.

Figure 2 is a transverse sectional view taken on the line 2—2 of Figure 1.

Referring specifically to the drawings, in which similar reference characters refer to similar parts, my invention in its present embodiment comprises a metallic frame F of rectangular outline, which is the usual construction of chase. Along the side and end inner edges of the frame, graduations indicated at G are provided which are numbered and so arranged as to form a plurality of linear and printer's scales as indicated at S, with two scales along each transverse and longitudinal edge of the frame. The graduations of each scale are arranged to define the distance in inches and picas, with the numerals of any pair of scales progressively increasing in denomination from the corner of the frame to a point medial of the corners. In the present instance the picas are indicated in multiples of three, although it is to be understood that every pica may be designated or any multiple thereof. The common terminal of the scales along each side and end of the frame is indicated by the heavy line designated at L, and each line L defines the medial point along the ends or sides of the frame so that two lines drawn from the lines L so as to intersect each other at right angles will define the exact center of the frame at the point where the lines intersect.

In practice, the type form is adjusted within the chase until the inch or picas graduations appearing at the opposite sides are the same and those at the opposite ends are the same. For example, take a type form 46 picas long and 24 picas wide. The form is adjusted until the number of picas at each side of the form is 22, and the number of picas appearing at the end of the form is 18. When the type forms are so positioned it is accurately centered with respect to the chase, thus eliminating the measuring operation which would be necessary with all chases heretofore proposed.

The number of picas appearing at the opposite sides or ends of the type form indicate the number of pieces of furniture to be placed in the chase for confining the type form in centered position, so that by applying the necessary number of pieces and subsequently applying the quoins, the type form can be secured in accurately centered position within the chase.

Although I have herein shown and described only one form of printer's chase embodying my invention, it is to be understood that various changes and modifications may be made herein without departing from the spirit of the invention or the spirit and scope of the appended claims.

What I claim is:

1. A printer's chase comprising rigidly connected together pairs of spaced parallel longitudinal members and spaced parallel transverse members at the ends of the longitudinal members and having a printer's scale extending on one longitudinal member adjacent to an inner edge thereof and having a printer's scale extending on the corresponding face of a transverse member of the chase adjacent to the inner edge of the transverse member, each of said printer's scales comprising pica markings increasing progressively in denomination from the ends of the chase member on which provided to the transverse median line thereof, whereby the positions of type forms of various sizes when in centered relation to the chase and the number of picas of furniture required to secure the type forms in centered relation to the chase may be accurately determined.

2. A printer's chase comprising rigidly connected together pairs of spaced parallel longitudinal members and spaced parallel transverse members at the ends of the longitudinal members and having a printer's scale extending on one longitudinal mem-

ber adjacent to an inner edge thereof and having a printer's scale extending on the corresponding face of a transverse member of the chase adjacent to the inner edge of the transverse member, each of said printer's scales comprising pica markings increasing progressively in denomination from the ends of the chase member on which provided to the transverse median line thereof, said transverse median line being clearly indicated by a marking coincident therewith, whereby the positions of type forms of various sizes when in centered relation to the chase and the number of picas of furniture required to secure the type forms in centered relation to the chase may be accurately determined.

3. A printer's chase comprising rigidly connected together pairs of spaced parallel longitudinal members and spaced parallel transverse members at the ends of the longitudinal members, one of said longitudinal members having a printer's scale extending along the inner edge thereof from the plane of the inner edge of one transverse member to the plane of the inner edge of the other transverse member, and one of said transverse members having a printer's scale extending along the inner edge thereof from the plane of the inner edge of one longitudinal member to the plane of the inner edge of the other longitudinal members, each of said printer's scales comprising pica markings increasing progressively in denomination from the ends of the scale to the transverse median line thereof, whereby the scales will indicate the number of picas of furniture required to lock type forms of various sizes in centered relation to the chase.

ALBERT C. EVANS.