E. LAMPARTER.

DEVICE FOR INSERTING RULES IN TYPE FORMS.

APPLICATION FILED DEC. 27, 1920.

1,403,504. Patented Jan. 17, 1922.

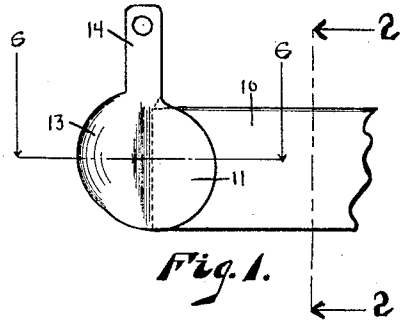


Fig. 1.

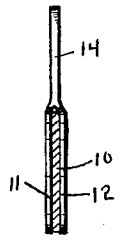


Fig. 2.

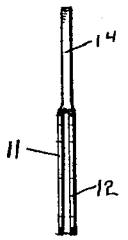


Fig. 3.

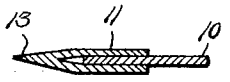


Fig. 6.

Fig. 4.

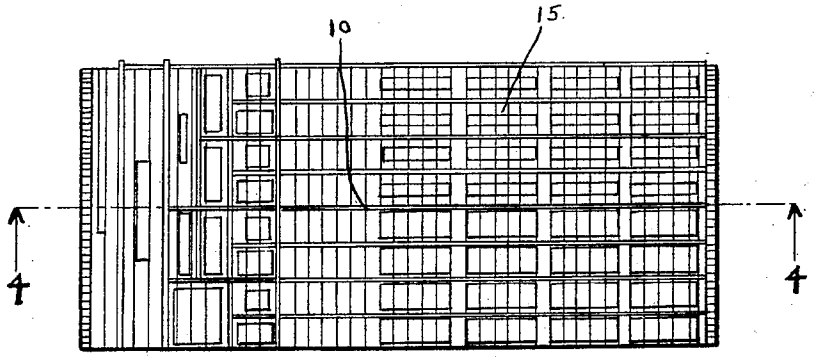


Fig. 5.

Witnesses,
Sheldon Clocks.
M. H. DeBusk

Inventor;
Eugene Lamparter
By Joshua R. H. Boyer
His Attorney.

UNITED STATES PATENT OFFICE.

EUGENE LAMPARTER, OF CHICAGO, ILLINOIS.

DEVICE FOR INSERTING RULES IN TYPE FORMS.

1,403,504. Specification of Letters Patent. Patented Jan. 17, 1922.

Application filed December 27, 1920. Serial No. 433,292.

To all whom it may concern:

Be it known that I, EUGENE LAMPARTER, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Devices for Inserting Rules in Type Forms, of which the following is a specification.

My invention relates to devices for inserting rules in type forms and it has for its principal object the provision of a new and improved form of device by which a rule can be inserted easily and quickly without the necessity for repeatedly spreading the type for this purpose.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,

Fig. 1 is a face view of my improved device applied to a rule,

Fig. 2 is a vertical cross section taken on line 2—2 of Fig. 1,

Fig. 3 is an edge view of the device taken alone as seen from the right in Fig. 1,

Fig. 4 is a view showing the method of inserting the rule by the use of my improved device, the type form within which the rule is being inserted being shown in section taken at line 4—4 of Fig. 5, and,

Fig. 5 is a top view of the form shown in Fig. 4.

Fig. 6 is a cross section taken on line 6—6 of Fig. 1.

Referring to the several figures of the drawings, 10 indicates a rule of the ordinary type upon which my improved device is mounted as shown in Fig. 1. As is best shown in Fig. 3 my device comprises arms or members 11 and 12 which stand in spaced relation with respect to each other, in the construction shown being formed integrally with a blade portion 13 at the thicker edge thereof. As is shown in Figs. 1 and 4, the blade 13 is comparatively short, being provided with a curved operative edge which is adapted to be inserted into a type form at a suitable point for spreading the type laterally. For manipulating the blade 13 I have provided a handle 14 which in the construction shown is formed integrally therewith.

When it is desired to insert a rule at a division point in a form, such as the form 15 of Figs. 4 and 5, the rule 10 which is to be inserted is slipped into position between the spaced arms 11 and 12. The distance at which these arms are held from each other is preferably such that the device as a whole will be held frictionally in position on the rule without the necessity for holding it in position manually. For inserting the rule, the blade of the device is forced downwardly between the type at the line at which the division is desired, serving to carry the end of the rule therewith into position at the desired point, as is shown in Fig. 4. The device is then moved bodily along the line which the rule is to occupy, until the edge of the blade portion comes into contact with the cross rule or frame part against which the rule being inserted is to abut. The device is then turned through an angle of approximately 90 degrees with respect to the rule so as to bring the blade 13 uppermost thereon so as to permit the rule 10 to be slipped into contact with the cross rule. At this point of the operation, the rule will have been inserted along its full length, after which it is an easy matter to remove the inserting device and to adjust the rule to the printing level.

By the use of spaced arms between which the rule is adapted to be inserted, such arms being formed on the thicker edge of the blade 13, I have provided a combination of parts which is in effect in the form of a wedge. While I prefer to hold the rule in position opposite the thicker edge of the wedge by the means of spaced arms formed integrally therewith, it will be understood that I do not wish to limit myself to that form of construction except as hereinafter specifically claimed.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A device of the class described, comprising arms spaced apart to receive a rule

between them, and means connected with said arms for dividing a form and directing a rule into position therein.

2. A device of the class described, comprising arms spaced apart to receive a rule between them, and means forming with said arms a wedge for dividing a form and directing a rule into position therein.

3. A device of the class described, comprising a wedge portion, and means for holding a rule releasably in position opposite the thicker edge of the wedge portion.

4. A device of the class described, comprising a blade, and arms formed integrally with said blade at its thicker edge and standing in spaced relation with respect to each other.

5. A device of the class described, comprising a wedge portion, means for holding a rule releasably in position opposite the thicker edge of the wedge portion, and a handle for use in applying the device to a rule.

6. A device of the class described, comprising a short blade having a curved edge portion, a handle formed integrally with said blade at one end thereof, and arms formed integrally with said blade at its thicker edge and standing in spaced relation to each other.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EUGENE LAMPARTER.

Witnesses:
JOSHUA R. H. POTTS,
FREDA C. APPLETON.