(No Model.)

A. A. LOW.

TYPE LINE SUPPORT.

No. 375,757. Patented Jan. 3, 1888.

Fig. 1.

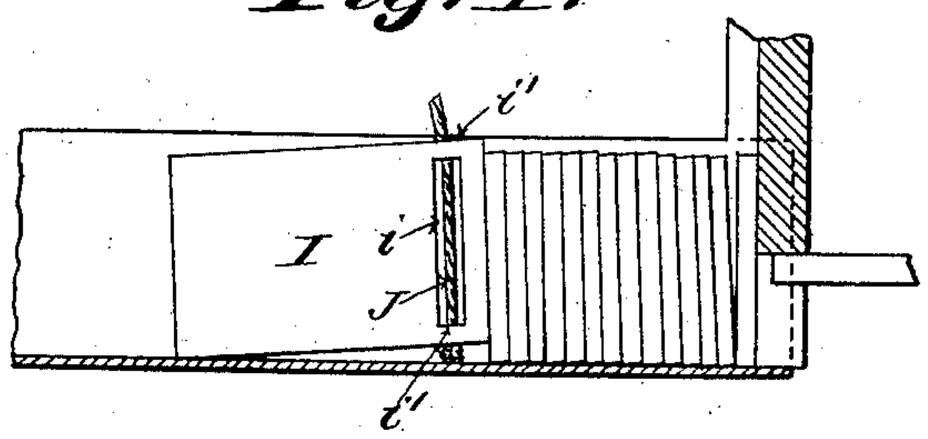


Fig. 2.

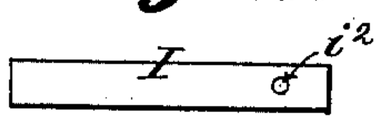


Fig. 3.

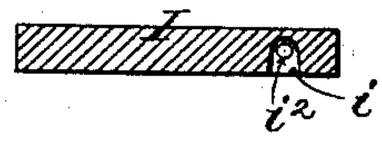
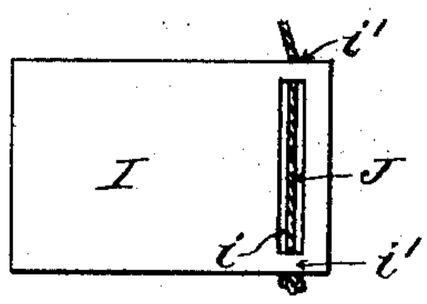


Fig. 4.



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UNITED STATES PATENT OFFICE.

A. AUGUSTUS LOW, OF BROOKLYN, ASSIGNOR TO THE ALDEN TYPE MACHINE COMPANY, OF NEW YORK, N. Y.

TYPE-LINE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 375,757, dated January 3, 1888.

Original application filed September 13, 1886, Serial No. 213,437. Divided and this application filed February 3, 1887. Serial No. 226,378. (No model.)

To all whom it may concern:

Be it known that I, A. AUGUSTUS LOW, a citizen of the United States, residing in the city of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Type-Line Supports or Slugs for Type-Containing Channels, of which the following is a description sufficient to enable others skilled in the art to which the invention appertains to make and use the same.

My improvements relate to the class of devices used in connection with type setting and distributing apparatus for the purpose of sustaining the ends of the lines of types, leads, or rules in the containing-channels.

Previous to my application, No. 213,437, filed September 13, 1886, of which the present application is a subdivision, a slug or end-line support formed with an inclined bearing-surface had been used; so that I do not seek herein to cover, broadly, an end-line support having an inclined bearing-surface, but limit my invention to an end-line support having a bearing-surface which is adjustable in inclination, as described and shown for the first time in said original application, No. 213,437, filed September 13, 1886.

It is obvious that the specific means employed for effecting variations in the degree of inclination of the line-end bearing-surface may be varied materially without deviating from the spirit and intent of my invention, which consists, essentially, in a slug or line end support formed with a bearing-surface which is capable of being changed in inclination to adapt it to the varying requirements of use in connection with different sizes and styles of types, lead, and rules, &c., in the several distributing apparatus for which I have filed applications for patent.

In the accompanying drawings, Figure 1 is a vertical longitudinal section of the receiving-end of one of the type-containing channels and the adjoining portion of the stationary vertical type-conduit, showing the inclination imparted to the types by my improved form of type preceder or slug. Fig. 2 is a top view, Fig. 3 a longitudinal transverse section, and Fig 4 a side elevation, of my special construction of type preceder or slug.

Heretofore an inclination has been imparted to the types in the type containing channels by the use of a type preceder or slug having an inclined type edge, the shape of the slug being of an irregular quadrilateral, whereas a rectangular form is in some respects more desirable in general use. I therefore, by way of illustrating the application of my invention, have shown the old rectangular form of slug as adapted to perform, temporarily or otherwise, the office of the special form of slug shown and described in the application last referred to. For this purpose I perforate the slug I vertically, as shown in Figs. 2 and 3, in such manner that a knotted cord may be passed through it until the knot rests against the edge of the slug, as shown in Figs. 1 and 4, in which position the said knot will act to tilt that end of the slug up when the latter is placed in the type-containing channel, and thereby cause the type-receiving edge to assume the requisite inclination. By the use of this means the inclination can also be readily increased or diminished, when desired, by increasing or diminishing the number of knots which are thus interposed between the floor of the type-containing channel and the under edge of the type preceder or slug. This construction also has the advantage of affording a certain desirable degree of semi-elastic frictional contact with the floor of the type-containing channel, which tends to make the movement of the slug steady and smooth, and obviates the danger of its "jumping" or sliding forward too fast under the impetus of the forward stroke of the pusher.

In order to simplify and cheapen the construction of the slug, its body is preferably cast with a groove or recess, *i*, leaving only the end thicknesses, *i' i''*, to be perforated with the holes i^2 i^2, for the reception of the cord J, the upper end of which may be allowed to project sufficiently to afford a means of handling the slug.

Having thus described a practical embodi-

ment of the principle of my invention, I do not limit myself to the identical form or means of adjustment shown; but

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, with a suitable line or column containing channel, of a line-end support or slug provided with a bearing-surface which is adjustable in inclination, substantially in the manner and for the purpose described.

2. In a line or column containing channel, substantially such as described, an end-line support or slug, I, formed with a recess, *i*, and perforations i^2, and provided with the knotted cord J, for the purpose and substantially in the manner described.

A. AUGUSTUS LOW.

Witnesses:
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