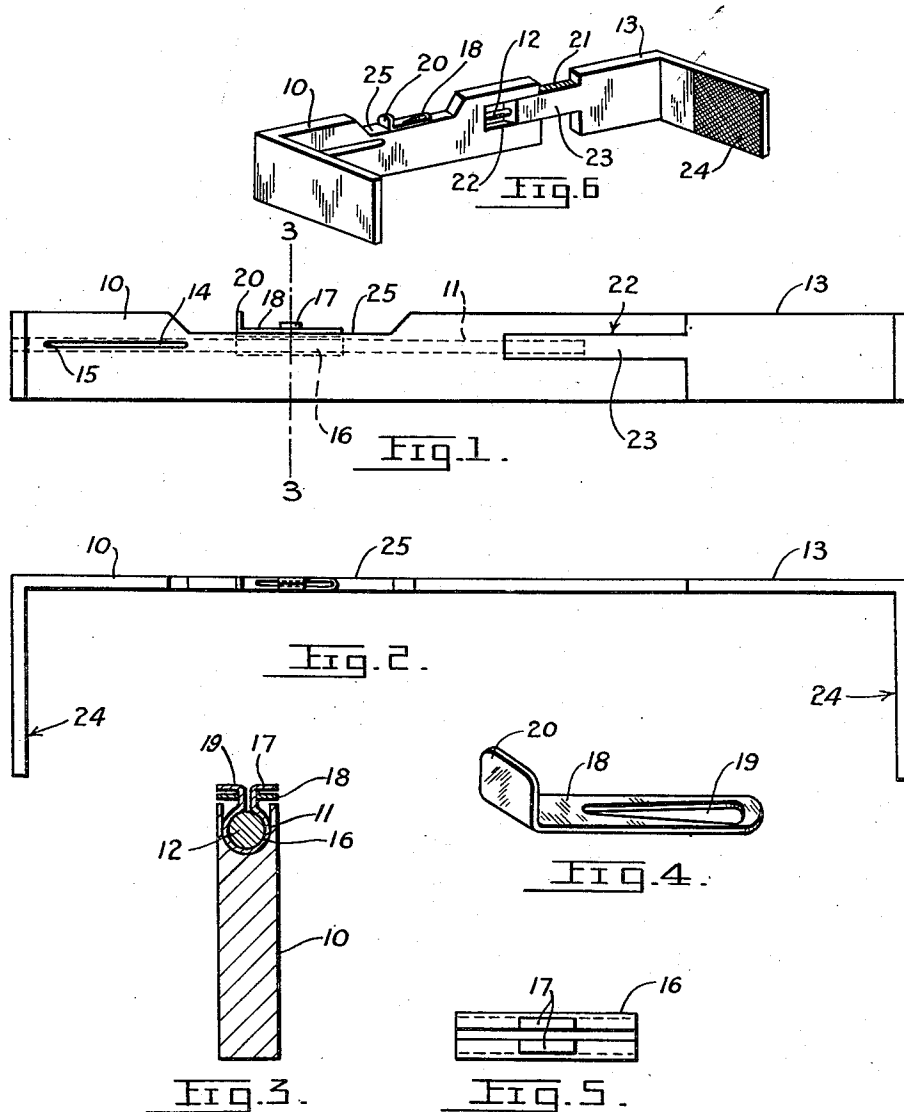


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TYPESETTING LOCK CLAMP
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TYPESETTING LOCK CLAMP

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3 Claims. (Cl. 101—404)

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This invention relates to printing and more particularly to a clamp to be used for locking set type prior to mounting same in galley or chase.

In printing it is customary to mount the matter to be printed either monotype or linotype in the composing stick from which it is then disposed in a galley. Before the type can be set in the galley it must be securely tied. Up to the present all set type is tied by means of a string or the like which must be removed therefrom before the said type can be locked in the chase. In other words the purpose of the string is to hold the type after it has been removed from the galley in page form until it is locked in the chase after which it must be removed.

With my invention the string is eliminated and the device used is intended to be left around the composed matter when same is mounted in the galley. Further, since the locking clamp will securely hold the set matter it will be convenient for the storing thereof since in the printing of catalogues and the like, it is generally customary for printers to store as much of the matter which is often used again with only slight modifications thereto.

In brief, the present invention contemplates a locking clamp which comprises two L-shaped members adjustably slidable within each other and a means of locking said members in adjusted positions. I also provide a scale on one of the aforementioned members which readily indicates the opening between the arms of said members.

The primary object of the invention is therefore to provide a clamp for securing printing matter prior to locking said matter in chase. Another object is to provide a device which is adjustable and which may be locked in various positions.

Still another object is the provision of a clamp, as described which need not be removed from the set printing type prior to mounting same in a galley. Still another object is to provide a scale which readily indicates the opening of said clamp, which is an exact indication of the depth of said printing type.

Still another object is the provision of a serrated surface at each inner extremity of the clamp to prevent slippage of printing type held therein.

With these and other objects in view that may appear as the description proceeds the invention consists in the novel arrangement of cooperating elements as hereinafter more specifically set forth, claimed and shown in the accompanying

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drawing forming part of this application and in which—

Fig. 1 is a front elevational view of the invention;

Fig. 2 is a plan view thereof;

Fig. 3 is a sectional elevational view taken on line 3—3 of Fig. 1;

Fig. 4 is a perspective view of the locking clamp;

Fig. 5 is a plan view of a tube on which the locking clamp operates, and

Fig. 6 is a perspective view of the invention.

Referring more in detail to the drawing in which similar reference characters designate corresponding parts throughout the several views it will be seen the invention comprises a clamp formed of two L-shaped members, one of which is slidably attached to the other.

One of the L-shaped members 10 is formed with a hole 11 through one of its arms to receive a rod 12 secured to the corresponding arm of the other member 13. The said rod is slidably adjustable within the hole 11 and its distance of travel is limited by means of a groove 14 formed in member 10 in direct line with the center of said hole 11 and a pin 15 secured to said rod which travels within said groove when the members are pulled apart. It is the utmost importance that face of the pin 15 be slightly within the groove so that it will not come in contact with printed matter disposed therein.

The locking mechanism of the device comprises a tubular member 16 mounted over the rod 12 and formed with ears 17. The ears are formed integral with the tubular member and are bent over a slidable element 18 which is formed with a tapered opening 19 therethrough within which the ears 17 are disposed. One extremity of the slidable member is bent upwardly to form a finger grip 20. In order to lock the L-shaped members in a predetermined position the slidable member 18 is pushed until the ears 17 are well into the narrow extremity of the tapered opening 19. This causes the tubular member 16 to firmly engage the rod 12.

In order to readily determine the opening between the members 10 and 13 a scale 21 is provided. The reading of the scale plus the opening indicated by a number stamped on the device at any desired location will readily indicate the total openings between the parallel extremities of the device.

In order to prevent element 13 from rotating around the rod 12 a recess 22 is formed in element 16 and a tongue 23 is slidable within said

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recess. The scale 21 is indicated on the top surface of tongue 23.

It will be seen from Figure 6, of the accompanying drawing that the inner face of each extremity of the device is serrated at 24 to provide a file effect so that the printing type held therein will not easily slip out of engagement when it is transported from the printing press to storage shelves.

Another fact which is of utmost importance is the fact that a recessed area 25 is provided where the locking mechanism 18 is located so that the upper extremity of finger grip 20 will not exceed above the level of members 10 or 13.

It is believed that the construction and advantages of the structure shown may be apparent from the foregoing paragraphs taken in conjunction with the accompanying drawings without further detailed description.

While the preferred embodiment of the invention has been disclosed it is understood that minor changes in the details of construction, combination and arrangement of cooperating parts may be resorted to within the scope of what is claimed without departing from the spirit of the invention.

I claim:

1. A type holding device comprising a pair of L-shaped members, a rod extending longitudinally from the end of one member adapted to slid-

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ably fit in a longitudinal bore in the end of the other member, said bore having an opening through the edge of said member, a split tubular member embracing said rod within said bore, opposed ears integral with the longitudinal edges of said tubular member extending through the opening of said bore to secure the tubular member in the bore and provide means for compressing said tubular member into holding engagement with said rod.

2. A device of the character described in claim 1 including means for comprising said ears to contact said tubular member.

3. A device of the character described in claim 1 including a sliding plate mounted over said opening having a tapered slot to receive said ears of said tubular member whereby the tubular member is compressed when said plate is moved to bring the ears of the tubular member into the narrow end of said slot.

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