Dec. 22, 1953 L. A. KINGSLEY 2,663,252

TYPEHOLDER FOR GOLD STAMPING MACHINES

Filed April 8, 1950

FIG. 1.

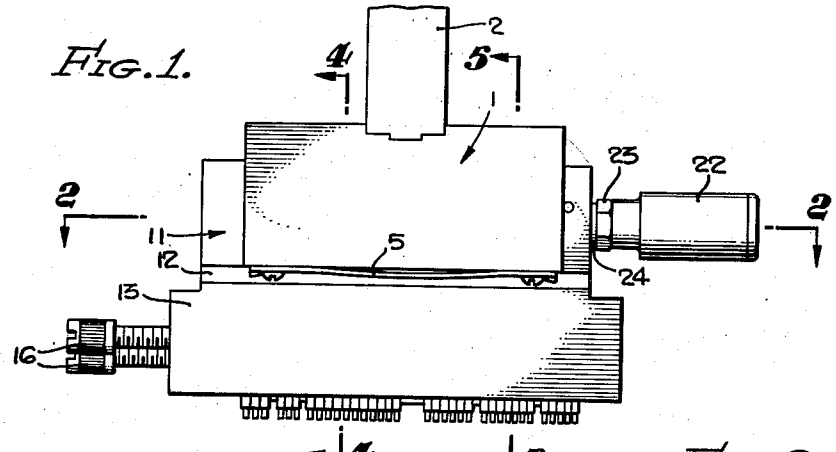


FIG. 4.

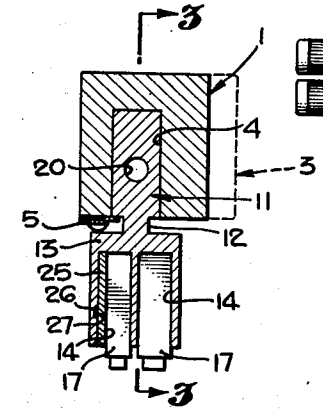


FIG. 2.

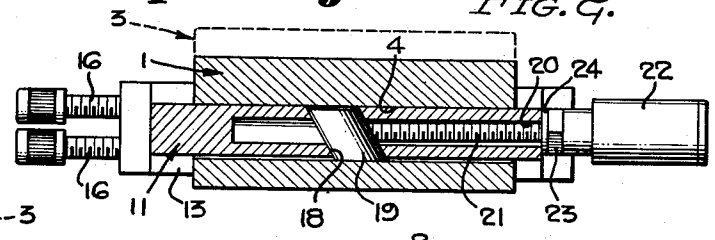


FIG. 3.

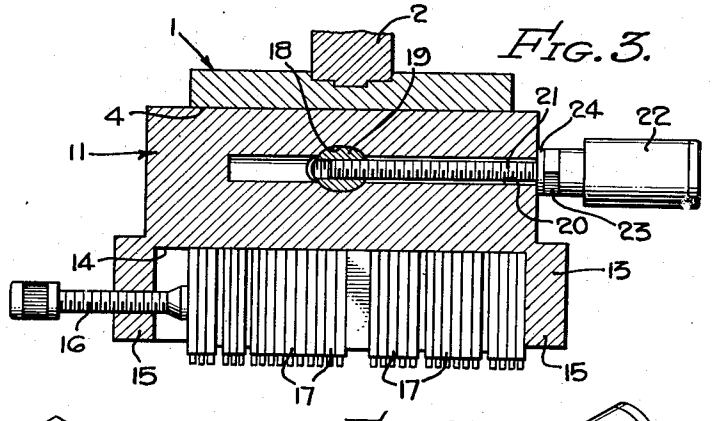


FIG. 5.

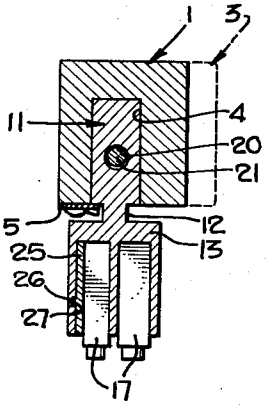


FIG. 6.

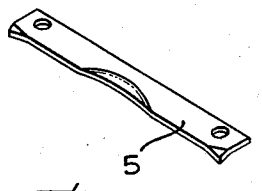
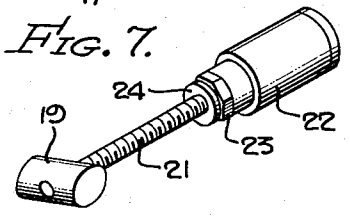


FIG. 7.



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Patented Dec. 22, 1953

2,663,252

UNITED STATES PATENT OFFICE

2,663,252

TYPEHOLDER FOR GOLD STAMPING MACHINES

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Application April 8, 1950, Serial No. 154,787

4 Claims. (Cl. 101—31)

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My invention relates to type holders for gold stamping machines such as the machine shown in my Patent No. 2,047,373, issued April 4, 1932.

Included in the objects of my invention are:

First, to provide a die or type holder which fits into the standard holder of a gold stamping machine and is so arranged to permit use of a greater number of lines of type or larger type than can be accommodated in the standard holder, thereby to extend and expand the range of use of the stamping machine.

Second, to provide a device of this class which incorporates a novel locking means not only adapted to secure the type holder in place, but also adapted to provide adequate heat transfer to the type for the purposes of gold foil stamping.

With the above and other objects in view as may appear hereinafter, reference is made to the accompanying drawings, in which:

Figure 1 is a front view of my type holder shown secured in the mounting block of a conventional gold stamping machine, the remainder of the machine, however, being omitted.

Figure 2 is a sectional view through 2—2 of Figure 1.

Figure 3 is a sectional view through 3—3 of Figure 4.

Figure 4 is a transverse sectional view through 4—4 of Figure 1.

Figure 5 is another transverse sectional view through 5—5 of Figure 1.

Figure 6 is a perspective view of the retainer clip.

Figure 7 is a perspective view of the wedging device.

The mounting block 1 of the conventional gold stamping machine, for example the type shown in my previously issued Patent No. 2,047,373, is secured to the plunger or ram 2 of the gold stamping machine shown fragmentarily in Figure 1. Secured to the back-side of the mounting block 1 is a heater 3, indicated in broken outline in Figures 2, 4 and 5.

The mounting block 1 is provided with a channel or slot 4 which in the conventional machine receives a type holder.

A retainer clip 5 is fastened under the block 1 and underlies a portion of the channel 4. My present invention is directed to a device which is supported from the mounting block 1. My device thus includes an adapter bar 11, shaped to fit the channel 4. The adapter bar is reduced by longitudinal grooves, to form a neck portion 12, so as to clear the retainer clip 5 and provide shoulders for engagement by the retainer

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clip. The lower extremity of the adapter bar 11 is enlarged to form a type holder 13. The type holder is provided with one or more type receiving channels 14, which channels are preferably closed at their ends as indicated by 15. Clamp screws 16 are threaded in the ends 15 so as to bear against the end of a line of type 17, as shown in Figure 3.

The adapter bar 11 is provided with a transverse bore 18 which is disposed at an acute angle and receives an inclined cylinder 19. That is, a cylinder in which the end faces are in acute angular relation with the axis of the cylinder. The transverse or angle bore 18 is intersected by a smaller longitudinally extending bore 20. Loosely fitted in the bore 20 is a screw member 21, which is threaded into the inclined cylinder 19. The exposed end of the screw member 21 is provided with a handle 22 which may be secured by a lock nut 23 and receives a washer 24. Sufficient clearance is provided between the bore 20 and screw member 21 to permit lateral displacement, thus, when the screw member 21 is threaded into the inclined cylinder 19, the cylinder tends to displace laterally and act as a wedge which bears against a wall of the channel 4 and forces the bar 11 tightly against the opposite wall of the channel 4.

As will be seen from inspection of Figures 2 and 4, the bar 11 may be forced into good heat-conductive relation with the mounting block 1, so that heat from the heater 3 may be conducted to the bar 11 and therefore to the type 17 held in the holder 13.

It will be observed that by the substitution of holders 13 of different dimensions incorporating adapter bars 11, that the range of type size which may be employed in the gold stamping machine is greatly increased, also the number of lines of type which may be printed may be substantially increased.

In order to hold type of different size of type 17, filler bars 25 are provided. These bars are of such thickness as to fill the space between type and a side wall of a channel 14. Each filler bar is provided with a rib 26 which fits in corresponding grooves 27 provided in the side wall of the channel 14, so that the filler bar is readily retained in place while loading type and during operation of the stamping machine.

Having fully described my invention, it is to be understood that I do not wish to be limited to the details herein set forth, but my invention is of the full scope of the appended claims.

I claim:

1. In a type holder for stamping machines wherein a heated mounting block is provided with a channel, the combination of: an adapter bar fitting said channel and extending below said mounting block; type retaining means depending from said adapter bar; a wedge cylinder mounted in said adapter bar in angular relation and movable laterally therefrom to bear against a side of said channel to force the opposite side of said bar into heat conductive contact with said mounting block; and a screw member threaded into said wedge cylinder and protruding from an end of said adapter bar to operate said wedge cylinder.

2. In a type holder for stamping machines wherein a heated mounting block is provided with a channel, the combination of: an adapter bar fitting said channel and extending below said mounting block; type retaining means depending from said adapter bar; a wedge cylinder mounted in said adapter bar in angular relation and movable laterally therefrom to bear against a side of said channel to force the opposite side of said bar into heat conductive contact with said mounting block; a screw member threaded into said wedge cylinder and protruding from an end of said adapter bar to operate said wedge cylinder; said type retaining means defining a channel adapted to receive type, a clamp at one end of said channel to secure said type; and filler bars adapted to fit said channel against one wall thereof to compensate for different size of type.

3. In a type holder for stamping machines wherein a heated mounting block is provided with a channel, normally adapted to receive type, the combination of: a heat conductive adapter bar including an upper portion fitting said channel, and a laterally enlarged depending portion extending below said mounting block; means for mounting type in the depending portion of the adapter bar in excess of the accommodation

therefor provided in said mounting block channel; and securing means within the upper portion of adapter bar and movable laterally therefrom to bear against a side of said channel to force the opposite side of said bar portion into heat conductive contact with said mounting block.

4. In a type holder for stamping machines wherein a heated mounting block is provided with a channel, normally adapted to receive type, the combination of: a heat conductive adapter bar including an upper portion fitting said channel, and a laterally enlarged depending portion extending below said mounting block; means for mounting type in the depending portion of the adapter bar in excess of the accommodation therefor provided in said mounting block channel; securing means within the upper portion of said adapter bar and movable laterally therefrom to bear against a side of said channel and force the opposite side of said portion into heat conductive contact with said mounting block; and means operable from an end of said adapter bar for operating said securing means.

LEWIS A. KINGSLEY.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
148,856	Smith	Mar. 24, 1874
775,257	Steele	Nov. 15, 1904
994,686	Mitchell	June 11, 1911
1,149,240	Winter	Aug. 10, 1915
1,359,934	Thompson	Aug. 23, 1920
1,827,550	Williams	Oct. 13, 1931
1,856,530	Barghausen	May 3, 1932
1,987,370	Pleger	Jan. 8, 1935
2,009,414	Roberts	July 30, 1935
2,031,216	Kalbach	Feb. 18, 1936
2,047,373	Kingsley	July 14, 1936
2,333,716	Hamnett	Aug. 9, 1943
2,447,995	Anon	Aug. 24, 1948