Aug. 21, 1928. 1,681,733

J. KAHN

PALETTE FOR GOLD STAMPING PRESSES

Filed Nov. 19, 1927 3 Sheets-Sheet 1

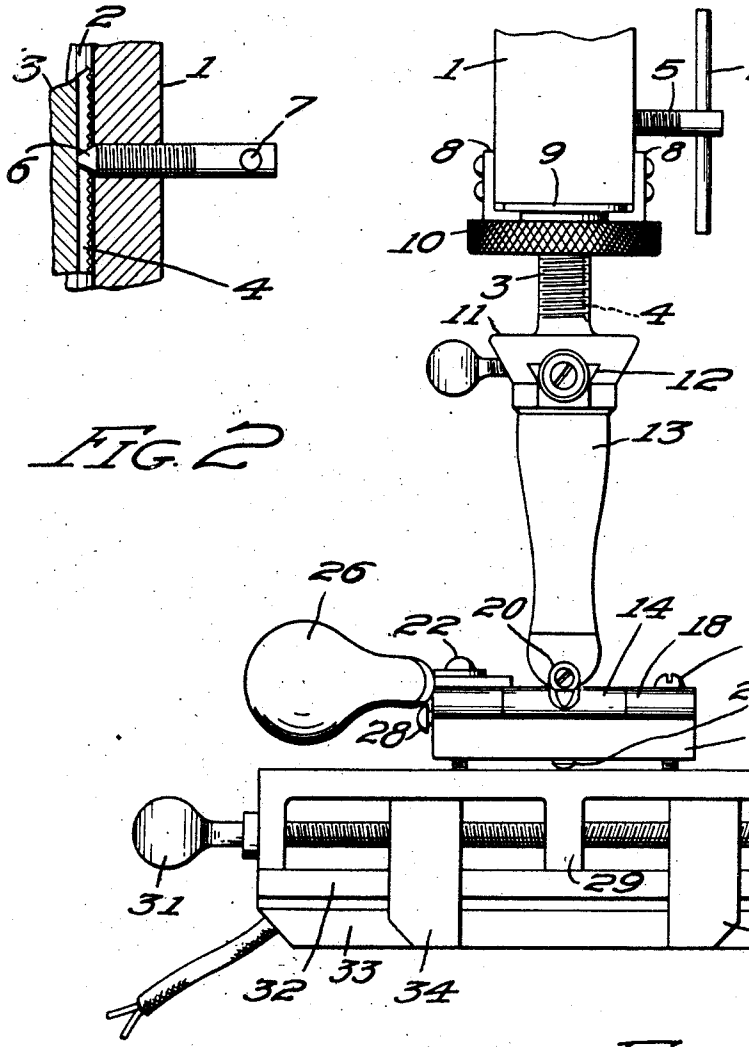


FIG. 2

FIG. 1

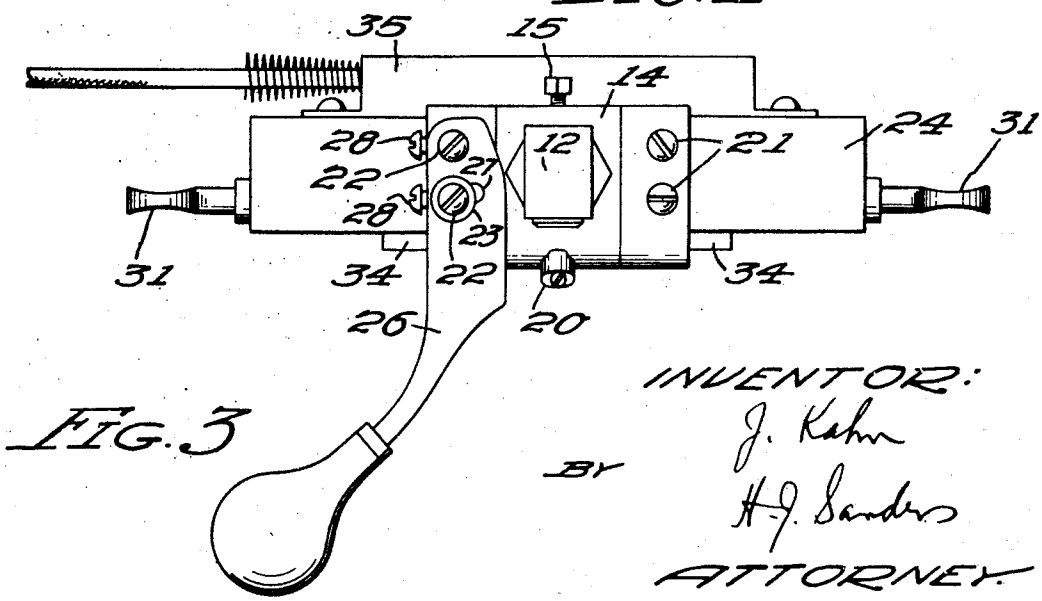


FIG. 3

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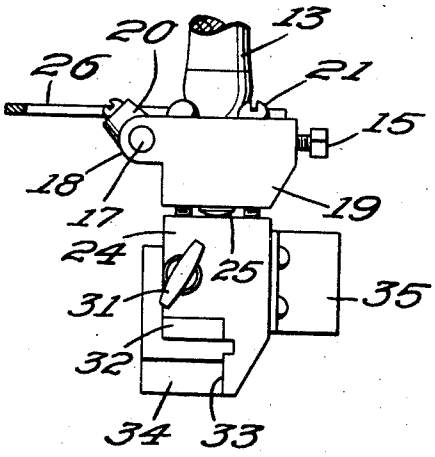


FIG. 4

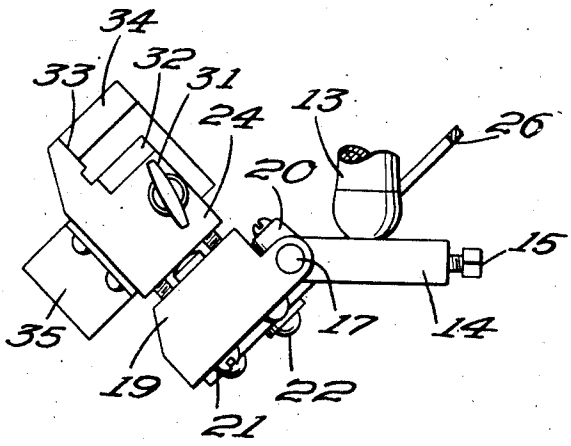


FIG. 5

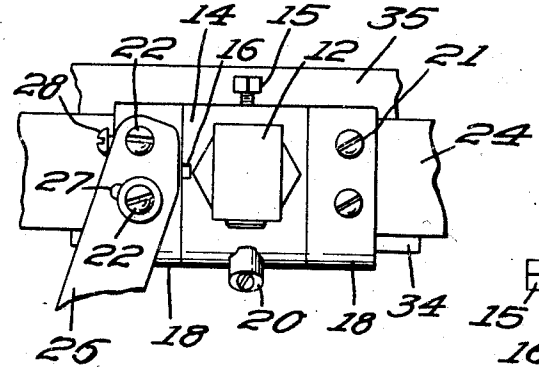


FIG. 6

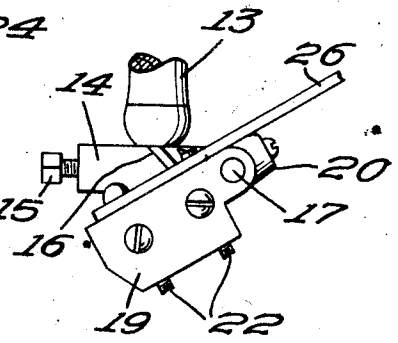


FIG. 7

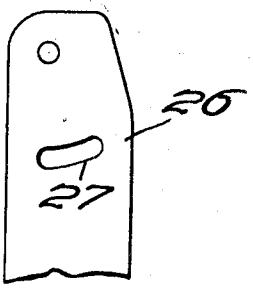


FIG. 8

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PALETTE FOR GOLD STAMPING PRESSES

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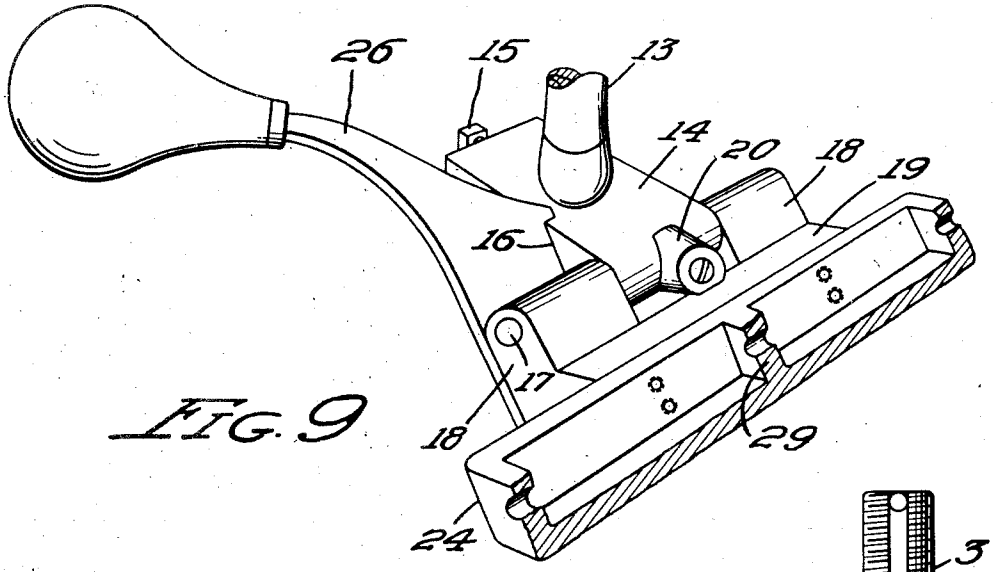


FIG. 9

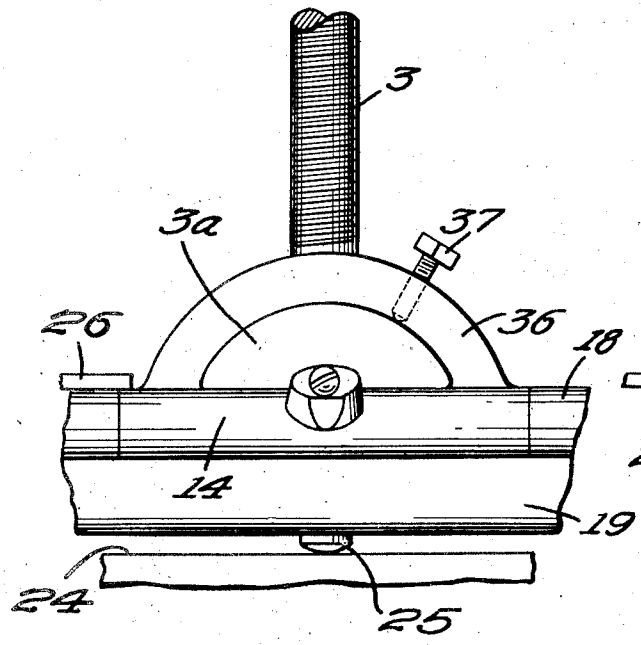


FIG. 10

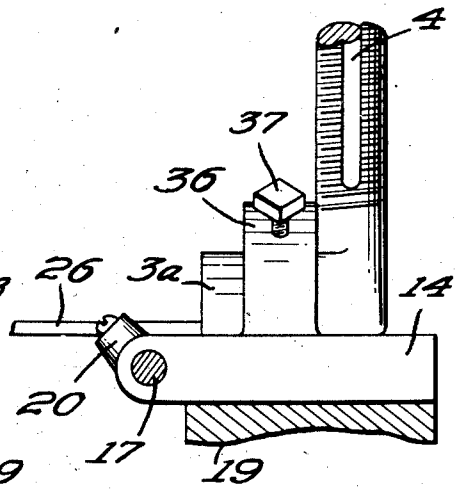


FIG. 11

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Patented Aug. 21, 1928. 1,681,733

UNITED STATES PATENT OFFICE.

JOSEPH KAHN, OF CHICAGO, ILLINOIS.

PALETTE FOR GOLD-STAMPING PRESSES.

Application filed November 19, 1927. Serial No. 234,430.

This invention relates to improvements in palettes for gold stamping presses. One object is to provide a palette wherein the type can be removed and new type supplied without the necessity of disconnecting the palette from the press. A further object is to provide a palette wherein the type may be heated while in position, a heating element being carried by the palette.

A further object is to provide a palette that is positive and efficient in operation, inexpensive to manufacture, durable and that is not likely to get out of order due chiefly to its simplified construction.

With the foregoing and other objects in view the invention consists in the combination and arrangement of parts to be hereinafter fully described, particularly pointed out in the claims and illustrated in the accompanying drawings which form a part of this application for patent and in which—

Fig. 1 is a view of the palette in elevation illustrating its application to a stamping press or machine.

Fig. 2 is an enlarged fragmentary sectional view of Fig. 1.

Fig. 3 is a top plan view of the palette.

Fig. 4 is a view of the palette in end elevation.

Fig. 5 is a perspective view of the palette in open position.

Fig. 6 is a fragmentary view of Fig. 3 but with the handle in an altered position.

Fig. 7 is an end view of Fig. 6 in an altered position.

Fig. 8 is a fragmentary view of the handle.

Fig. 9 is a fragmentary perspective view of the palette in open or inoperative position.

Fig. 10 is a fragmentary view of a slightly modified form of palette designed for application to a press of a somewhat different type.

Fig. 11 is a side view of Fig. 10.

Like reference characters denote corresponding parts throughout the several views.

The reference numeral 1 denotes the plunger of a gold stamping press or machine, the bore 2 thereof adjustably receiving the threaded shaft 3 formed with a longitudinally extending groove 4 to receive the threaded pin 5 that extends through the plunger, the bevelled flattened end 6 of said pin being disposed in the slot 4 to prevent rotary movement of shaft 3, said pin 5 being provided with the handle 7. The shaft is retained in operative position in the plunger through the medium of brackets 8 secured to the plunger and in supporting engagement with the head 9 in threaded engagement with said shaft, a knurled thumb nut 10 also arranged upon the shaft serves to raise or lower the same in the plunger, as desired.

The shaft 3 at its lower end carries a female member or head 11 that receives the male member 12 arranged upon one end of the post 13 that is carried by the block 14, said post being engaged by the locking screw 15 that extends through a bore in one end of the said block to prevent disengagement of the post from the block. The said block is formed along one lateral face with a deep oblique recess 16, and extending transversely of one end of the block is the hinge pintle 17 that extends through bores in the lobes 18 of the carriage block 19, a set screw 20 extending through one end of the block 14 rides against the said pintle to prevent rotation of the same as the carriage block is moved upon the hinge pintle relative to the block 14.

Screws 21 at one end of the carriage block 19 and similar screws 22 at the opposite end thereof, one of the screws 22 being provided with a washer 23, extend through the carriage block and into the frame 24 of the typeholder which member is supported thereby, a spacer point 25 carried by the carriage being adapted to bear against the said frame 24 to space the said members apart. A carriage handle 26 is pivotally connected by one screw 22 to the carriage block and is formed with an elongated arcuate slot 27 to receive the other screw 22 whereby movement of the handle in a given direction is limited. By turning the screws 21 and 22, or either of them, the space between the carriage block and frame 24 may be varied. Loosening of the screws 22 from any adjusted position is prevented by the set screws 28 that extend through one end of the carriage block into engagement with the screws 22.

The typeholder frame 24 is formed with a central partition 29 through which and through the ends of said frame the screw shaft 30 provided with the handles 31 extends, the threads of said shaft being relatively reversed upon opposite sides of said partition. Mounted upon the said screw shaft upon opposite sides of the partition 29 and slidable over a bar 32 of the frame and over a depending lip 33 are the type-engaging jaws 34 that are moved in relatively opposite directions, or toward and away from each other, by rotation of the said shaft 30.

The ends of the type, when set, are engaged by the said jaws 34, the top edge of the type is disposed against the bar 32 and one lateral face rests against the lip 33. An electric heater 35 is secured to the rear wall of the typeholder frame to heat the type held between the jaws to a proper degree to facilitate the printing operation.

In Fig. 1 the palette is in operative position to print were the jaws 34 provided with the type. One edge of the carriage handle 26 overlaps the blocks 14 and 19 so that relative movement of the carriage block is impossible. When it is desired to change the type the handle 26 is moved out of engagement with the block 14 or into the position shown in Fig. 6 and the handle is now used to move the carriage block together with the typeholder upon the pintle 17 into the position shown in Fig. 5 when one edge of the handle 26 may be engaged in the recess 16 in the block 14 when the device will be caused to hold this position with the type so exposed between the jaws 34 that it can be readily removed and new type inserted. At this time the handle 26 will be disengaged from the recess 16 and moved again to the operative position of the palette shown in Figs. 1 and 3. In Figs. 10 and 11 a slightly modified form of palette is shown for application to a press of a somewhat different type wherein the threaded shaft 3 terminates in an offset end 3^a and the palette is then formed with an ear 36 for engagement with said end 3^a and a set screw 37 is used to secure said members together as shown.

What is claimed is:—

1. In a palette for gold stamping presses, a carriage block, a second block hinged thereto, a handle fulcrumed to said carriage block for movement into and out of engagement with said second block a post fixedly secured to said second block, a threaded plunger shaft for releasably carrying said post, means for adjustably securing said plunger shaft to the press plunger, a typeholder, adjustable connection between said typeholder and carriage block whereby the typeholder is supported in spaced relation to the carriage block, and a heater for said typeholder.

2. In a palette for gold stamping presses, a carriage block, a second block hinged thereto, a handle fulcrumed to said carriage block for movement into and out of engagement with said second block whereby said last named members may be locked in open or closed position selectively, means for adjustably securing said second block to the press plunger, a typeholder, adjustable connection between said typeholder and carriage block whereby the former is supported in spaced relation to said carriage block, and a heater for said typeholder.

3. In a palette for gold stamping presses, a carriage block, a second block hinged thereto, said second block being formed with a recess, a handle fulcrumed to said carriage block for movement across the face of said second block in one position of the same and for movement into the slotted portion thereof in a second position, means for adjustably securing the said second block to the press plunger, a typeholder, adjustable supporting means for said typeholder whereby it is held in spaced relation to said carriage block, and a heater for said typeholder.

4. In a palette for gold stamping presses, a carriage block, a second block hinged thereto, said second block being formed with an edge recess, a handle fulcrumed to said carriage block for movement across the face of said second block in one position of the same and for movement into said recess in a second position, means for adjustably securing the said second block to the press plunger, a typeholder, adjustable supporting means for said typeholder whereby it is supported in spaced relation to said carriage block, and a heater for said typeholder.

In testimony that I claim the foregoing as my own I have hereto affixed my signature.

JOSEPH KAHN.