Nov. 19, 1935. C. CASTELLANE 2,021,128

STAMPING ATTACHMENT

Filed April 1, 1932

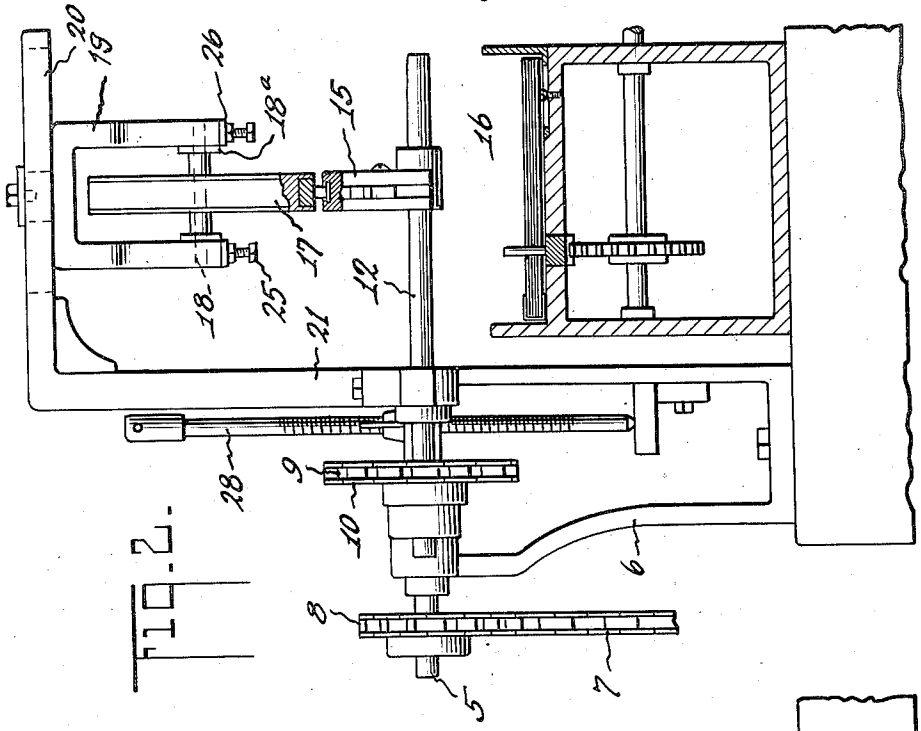


Fig. 2.

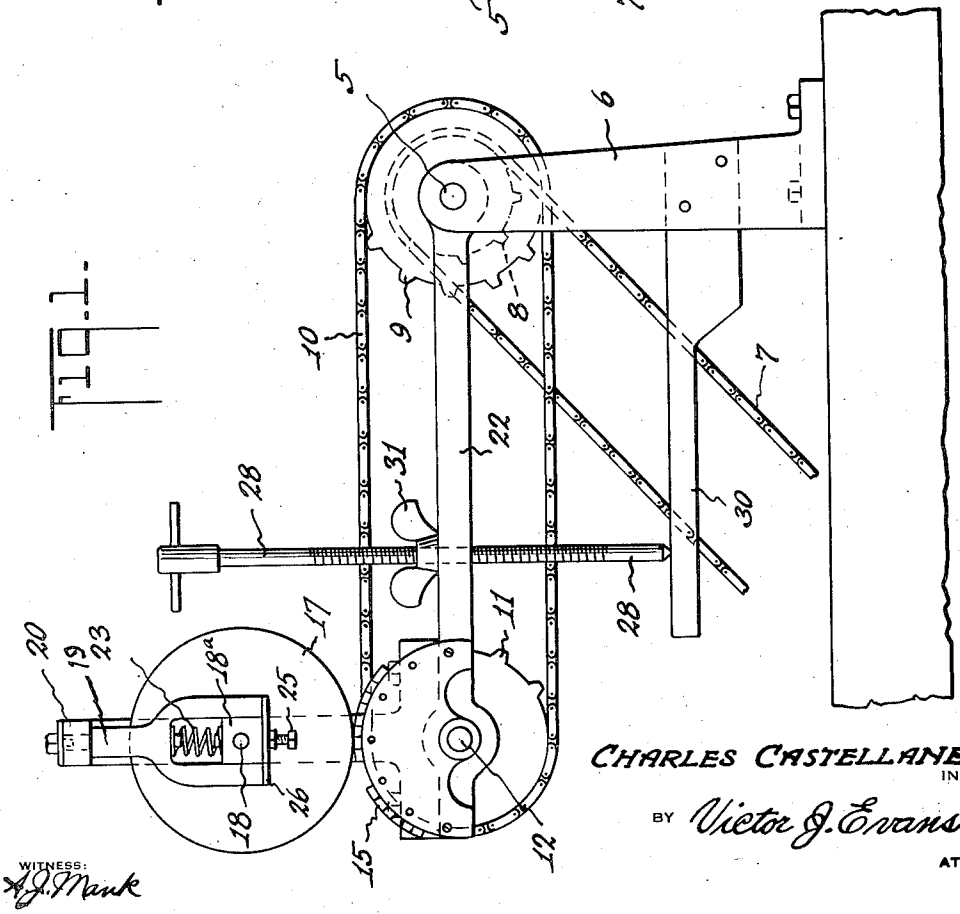


Fig. 1.

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STAMPING ATTACHMENT

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Application April 1, 1932, Serial No. 602,588

1 Claim. (Cl. 101—35)

This invention relates to stamping apparatus employed in combination with means for moving printed matter.

In the book printing industry, the sections of a book are stacked in their proper order and such stacks are moved from one point to another and it is desirable, while they are moving, to stamp or print the top sheet of the stack. This stamping or printing has previously been done by hand; to eliminate the hand printing I have invented apparatus for automatically performing the printing.

The invention will be fully and comprehensively understood from a consideration of the following detailed description when read in connection with the accompanying drawing which forms part of the application with the understanding, however, that the improvement is capable of extended application and is not confined to the exact showing of the drawing nor to the precise construction described and, therefore, such changes and modifications may be made therefrom as do not affect the spirit of the invention nor exceed the scope thereof as expressed in the appended claim.

In the drawing:

Fig. 1 is a side elevation of the apparatus of my invention; and

Fig. 2 is an end view of the same apparatus looking from the left end, this view also showing apparatus for moving or transporting the mentioned stacked book sections.

Referring to the drawing for a more detailed description thereof, the numeral 5 indicates a shaft mounted in supports 6 and driven by a chain belt 7 which engages a spur gear 8 mounted on the shaft. A spur gear 9 is also mounted on the shaft 5 to rotate therewith, the motion thereof turning an endless chain belt 10, which drives a spur gear 11, mounted on a shaft 12. Printing mechanism 15 is mounted on the shaft 12 and is adapted to rotate therewith and to print the top sheet of a stack of book sections 16 which are made to travel under and past the printing means according to mechanism well known in the art and which therefore need not be described. The printing mechanism 15 comes into contact during each revolution with an inking roller 17 mounted on a shaft 18 journalled in blocks 18a slidable in a double U-shaped frame 19, which is attached to a horizontal arm 20 of a bracket 21, which is secured to a horizontal arm 22 in which the shaft 12 is journalled. Springs 23 press downwardly on the blocks 18a and are yieldable against the pressure of the printing mechanism 15. The tension in the springs may be adjusted by means of screws 25 passing through horizontal members 26 forming the bottom of the U-shaped double frame 19 and pressing against the mentioned blocks. The mentioned printing means may be held at any desired elevation by the adjustment of a screw bolt 28, which threadedly passes through the bar 22 and which bears against an arm 30 extending horizontally from the support 6 and which is locked in position by means of a wing nut 31 bearing on the bar 22. The bar 22 is pivotally mounted on the shaft 5 so that the printing and inking mechanism and associated apparatus may be swung out of the way when not in use.

The frame 19 in which the inking roller 17 is carried, is adjustable along the length of the bar or arm 20 of the bracket 21 and the printing means 15 is adjustable along the length of the shaft 12 so that the printing may be done at any desired position on the sheets.

What is claimed as new is:

In a machine of the character described, a rotatable horizontal first shaft, a horizontal arm pivotally mounted on said shaft at one end for swinging movement in a vertical plane, a second rotatable shaft journaled in the other end of said arm, means for transmitting motion from the first to the second shaft, a printing means fixed on said second shaft for rotary motion therewith and adjustable lengthwise thereof and adjustable means for holding said arm at a desired height and adapted to permit said arm and second shaft, together with the printing means, to be swung upwardly, supporting means parallel with and above said second shaft, a frame depending from said supporting means and adjustable lengthwise thereof, spaced blocks vertically movable in said frame, a printing roller shaft the ends of which are mounted in said blocks, a printing roller mounted on the printing roller shaft, and springs pressing downwardly on said blocks to effect contact between the inking roller and the printing means.

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