A. C. DE NISSON AND F. D. CHRISTIE.

ATTACHMENT FOR MONOTYPE MACHINES FOR MAKING BORDER RULES AND DOTTED RULES.

APPLICATION FILED JULY 30, 1919.

1,429,720. Patented Sept. 19, 1922.

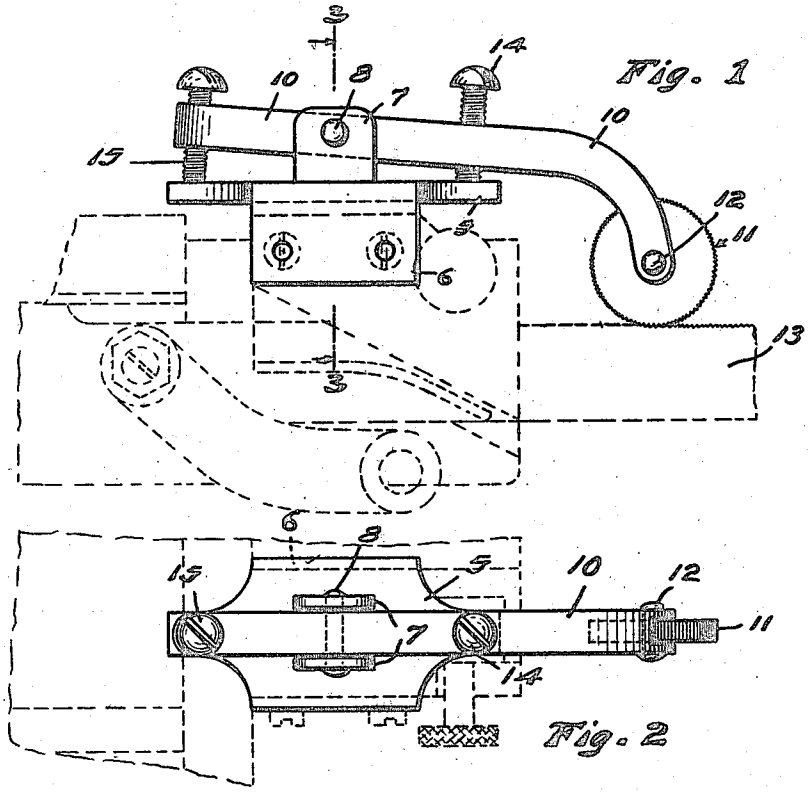


Fig. 1

Fig. 2

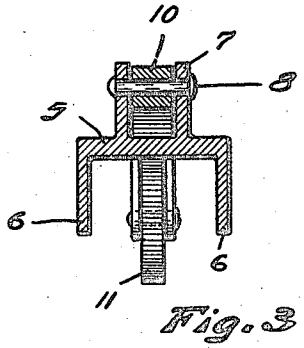


Fig. 3

Inventor
Alfred C. De Nisson.
Frank D. Christie
By Their Attorney
Frank Warren

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UNITED STATES PATENT OFFICE.

ALFRED C. DE NISSON AND FRANK D. CHRISTIE, OF SEATTLE, WASHINGTON.

ATTACHMENT FOR MONOTYPE MACHINES FOR MAKING BORDER RULES AND DOTTED RULES.

Application filed July 30, 1919. Serial No. 314,359.

To all whom it may concern:

Be it known that we, ALFRED C. DE NISSON and FRANK D. CHRISTIE, citizens of the United States, residing at Seattle, in the county of King and State of Washington, have invented a certain new and useful Improvement in Attachments for Monotype Machines for Making Border Rules and Dotted Rules, of which the following is a specification.

Our invention relates to improvements in attachments for monotype machines and the object of our invention is to provide an attachment by the use of which dotted rules and border rules may be made on a monotype machine without the use of a matrix.

Further objects are to provide an attachment that is simple and cheap in its plan of construction, rapid and efficient in operation and that may be attached to the standard monotype machine without altering the construction of such machine.

We accomplish these objects by devices illustrated in the accompanying drawings, wherein—

Figure 1 is a view in side elevation of our attachment with a portion of the monotype machine shown in dotted lines;

Fig. 2 is a plan view of the same; and

Fig. 3 is a view in cross-section on broken line 3, 3 of Fig. 1 with the monotype machine omitted.

Our attachment comprises a roller having a fanciful design cut or moulded in relief on its circumferential surface and arranged to be adjustably supported in such a position that a bar of partially cooled type metal will pass thereunder and have imprinted or stamped on the edge thereof the design that is on the circumference of the roller.

Referring to the drawings, throughout which like reference numerals indicate like parts, the numeral 5 designates a plate having downwardly projecting side flanges 6 by which it may be secured to a monotype machine and provided with an upwardly projecting bracket 7 through which extends a transverse pin 8 that serves as a pivot for an arm 10, which arm 10 projects forwardly and downwardly and is bifurcated on its outer end for the reception of a wheel or roller 11 that is journaled on a transverse pivot 12 and that has a design cut or moulded on its periphery, the roller 11 being arranged so that it will bear upon the edge of a bar 13 of partially cooled type metal as such bar 13 issues from the monotype machine and will imprint on the edge of such bar the design that is fashioned on the periphery of the roller 11.

The arm 10 is adjustably held in a fixed position by two screws 14 and 15 disposed on opposite sides of the pivot pin 8 and is arranged to be screwed downwardly on to the plate 5.

The roller 11 shown in the drawings is provided on its periphery with transverse scoring which makes a neat and attractive border design but it will be understood that various other designs may be used on such rollers.

The bar 13 of type metal as it issues from the monotype machine will be partially cooled but will be soft enough so that the impressions can be readily made upon the edge of such bar 13 which bar 13 will be supported in such manner as to prevent deformation or bending.

It is obvious that changes in the form of construction and arrangement of parts of our invention may be resorted to without departing from the spirit thereof.

What we claim is:

1. An attachment for monotype machines comprising in combination with a monotype mold, of a bracket supported adjacent to said mold, an arm pivoted to said bracket, adjustable means carried by said arm at each side of the arm adapted for engagement with said bracket to hold the arm in adjusted positions and a roller journalled in the outer end of said arm and having a design relief on the periphery thereof and adapted for engagement with a bar of type metal issued from said mold.

2. The combination with the mold, of a rule strip casting machine of a supporting structure; a rotary impressing member mounted on said structure in position to engage the printing face of a strip as it is delivered from the mold; and a device for acting on the supporting structure to vary the depth of the impression made thereby.

3. The combination with the mold of a machine for casting a rule strip, of a supporting structure pivotally mounted on said mold; and a rotary impressing member positioned on said structure to engage the printing face of a rule strip as it is ejected from the mold, said structure being adjustable on its pivot to move said member into and out of an operative position.

In witness whereof, we hereunto subscribe our names this 23rd day of July A. D., 1919.

ALFRED C. DE NISSON.
FRANK D. CHRISTIE.