W. L. McCARTY.

PRINTING PRESS.

APPLICATION FILED MAY 9, 1908.

918,465.

Patented Apr. 13, 1909.

Fig. 1.

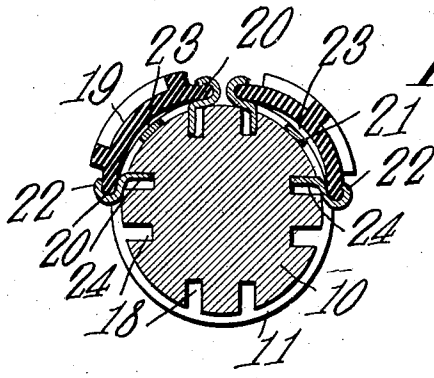


Fig. 2.

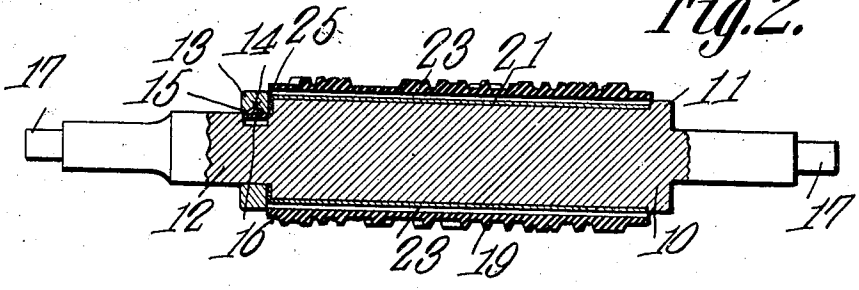


Fig. 5.

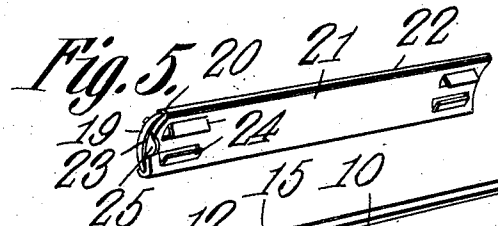


Fig. 3.



Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

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PRINTING-PRESS.

No. 918,465. Specification of Letters Patent. Patented April 13, 1909.

Application filed May 9, 1908. Serial No. 431,897.

To all whom it may concern:

Be it known that I, WREFORD L. McCARTY, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented a new and useful Printing-Press, of which the following is a specification.

This invention relates to improvements in printing devices embodying type, type-holder, and forms therefor.

One object of the invention is to provide an improved kind of rubber-faced type and holders therefor.

Another object of the invention is to provide an improved form for receiving holders.

The invention consists in certain novel features of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings, and particularly claimed.

In the accompanying drawings like characters of reference indicate like parts in the several views, and—

Figure 1 is a transverse sectional view of a roller form and the type supported thereon. Fig. 2 is a longitudinal view thereof, partly in section. Fig. 3 is a perspective view of the roller with the type removed. Fig. 4 is a perspective view of a single type and holder constructed in accordance with this invention. Fig. 5 is a perspective view of a logographic type and holder.

In the preferred form of the device there is provided a roller 10 having at one end a rigid collar 11 and at the other end a reduced portion 12 adapted to receive a removable collar 13, which has a recess 14 interiorly thereof. Within the reduced portion 12 of the roller there is formed a recess wherein is mounted a spring 15 arranged to contact with a pin 16 and force the same outward from the surface of the portion 12. The end of this pin is of similar form to the recess 14 in the collar and when in contact constitutes a locking means for said collar. The roller 10 is further provided with suitable journals, as shown at 17. The surface of the roller 10 is slotted, as indicated at 18, and the slots are arranged in pairs lying at angles to each other in transverse section, as clearly shown in Fig. 1.

The type for use in this invention have a rubber face 19 with a suitable character formed thereon, and the flanges 20 extending from said character. There is provided as a holder for the type an arcuate metallic back 21 having channeled edges 22. These channeled edges are so arranged that they firmly clamp the flanges 20 of the type and thus secure the same fixedly. The rubber type face 19 is made of such width as to slightly exceed the arcuate distance between the channels 22 of the holder and by reason of this there is left an air space 23 between the face of the type and the holder. Lugs 24 are formed on the back of the holders and are arranged to engage a pair of slots 18 on the roller. These lugs are preferably made by incising and striking up a portion of the metal constituting the holders, as clearly shown in Fig. 1 and Fig. 5.

In the logographic type, it is found advisable to provide an ear 25 at one end of the holder in order that the proper end of the type may be inserted in the roller 10, thus preventing words being set upside down with relation to each other.

While there has been but two modifications of the form and type here shown, it will be obvious that the roller might be made polygonal as well as circular and that the slots might be arcuate in cross section in any case as well as rectilinear.

In the operation of the device the individual type are slipped one by one on the roller, and when all have been assembled the collar 13 is slipped over the reduced portion 12 and pushed into its proper position, being there locked by the pin 16 coacting with the recess 14.

What is claimed is:—

1. In a printing press, rubber-faced type a holder therefor comprising a sheet metal body having channeled opposite sides to engage said face and spaced at less distance than the width of said face to cause the same to lie in spaced relation to the body, and converging lugs on the back, in combination with a bed provided with slots to receive said lugs.

2. In a printing press, rubber-faced type a holder therefor comprising a sheet metal body having channeled opposite sides to engage said face and spaced at less distance than the width of said face to cause the same to lie in arcuate relation to the back, and converging lugs on the back, in combination with a bed provided with slots to receive said lugs, and locking means on said bed to retain said type in position.

3. In a printing press, rubber-faced type a

holder therefor comprising a sheet metal body arcuate in cross section and having channeled opposite sides to engage said face, said channeled sides being spaced at less distance than the width of said face to cause the same to lie in arcuate relation to the back, and converging lugs on the back, in combination with a printing cylinder provided with slots to receive said lugs, and locking means on said cylinder to retain said type in position.

4. In a printing press, rubber faced type, a holder therefor comprising a sheet metal body arcuate in cross section and having channeled opposite sides to engage said type, said channeled sides being spaced apart and less than the width of said type to cause the same to lie in spaced relation to the holder.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WREFORD L. McCARTY.

Witnesses:
J. W. WESTMOREHEAD,
JNO. J. SULLIVAN.