Oct. 8, 1935. C. J. BECK 2,016,954

PRINTING SURFACE HOLDER

Original Filed Oct. 24, 1929

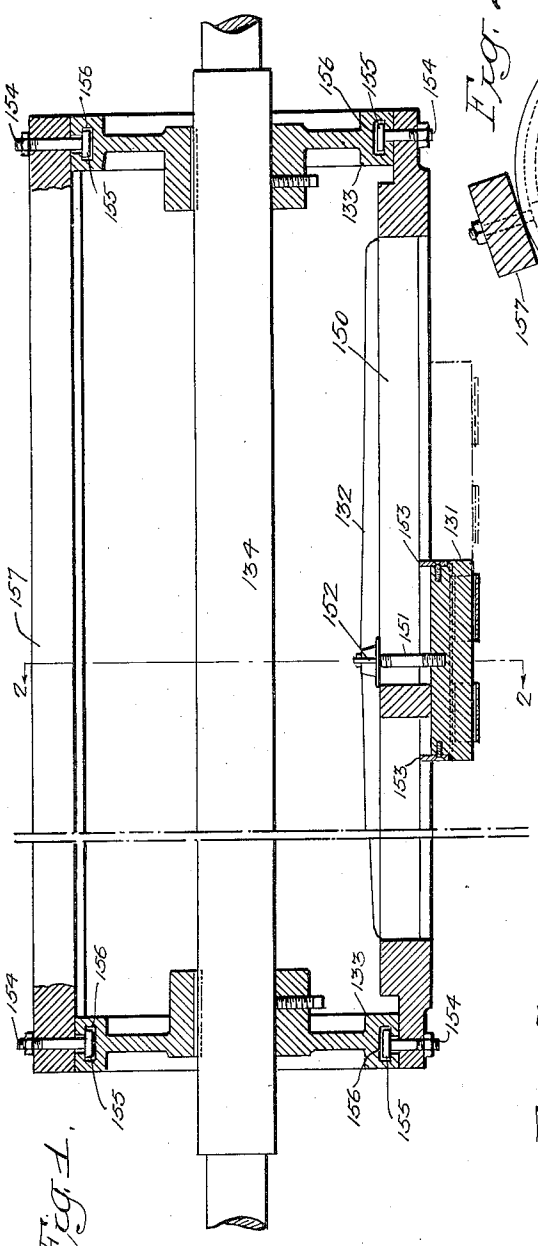


Fig. 1.

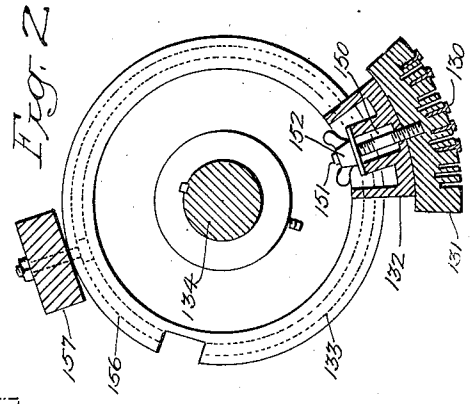


Fig. 2.

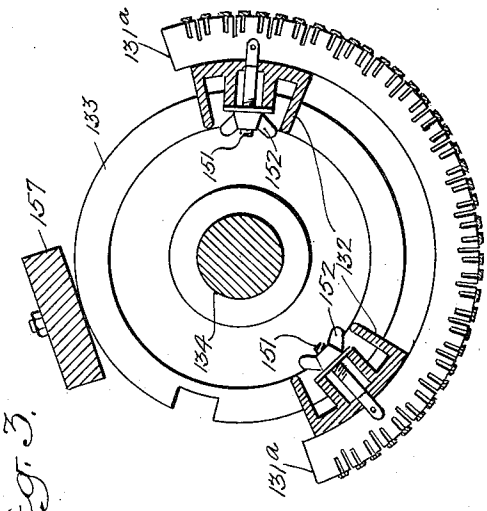


Fig. 3.

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Patented Oct. 8, 1935 2,016,954

UNITED STATES PATENT OFFICE

2,016,954

PRINTING SURFACE HOLDER

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Original application October 24, 1929, Serial No. 402,024. Divided and this application March 7, 1934, Serial No. 714,514

1 Claim. (Cl. 101—375)

The present application constitutes a division of a parent application Serial No. 402,024 filed October 24, 1929; and relates to a particular form of printing surface holder which while adaptable for general usage is particularly adaptable for use in the type of machine disclosed in the above noted parent application.

The construction and operation of the device forming the subject matter of the present case will be fully disclosed hereinafter, reference being had to the accompanying drawing, of which:

Fig. 1 is a transverse sectional elevation;

Fig. 2 is a longitudinal sectional elevation taken on the line 2—2, Fig. 1; and

Fig. 3 is a transverse sectional elevation similar to Fig. 1, and showing a modification of the invention.

The present application concerns means for supporting a printing block, having type on one face thereof, in a manner to procure and facilitate proper positioning of the printing effected by the type on the block in a predetermined position on each of a series of sheets or in definite relation to each other on and relative to the margins of said sheet or a continuous web either of which is confined to movement in a definite path past the printing block.

In the present instance the printing block is indicated at 131. The type block 131 is adapted to be carried by a supporting bar 132 which at its opposite ends is secured to a pair of axially aligned wheels 133, 133 secured to a shaft 134 which is parallel to the block-supporting bar 132.

The wheels 133, 133 are each provided with an inverted T-shaped or undercut groove 156 formed in the peripheral face of the wheel and extending circumferentially thereof, completely around the wheel.

The bar 132 is provided with a longitudinal slot 150. Secured in the block 131 and passing through the slot 150 in the supporting bar 132 is a stud 151 on the inner end of which is a butterfly nut 152 by which the block 131 is rigidly secured to a supporting bar 132, and by means of which the block 131 may be moved to any desired position transversely of the machine for positioning the identifying data at any desired point with respect to the side edges of the sample being printed upon.

To insure parallel positioning of the block 131 with respect to the supporting bar 132 the said block is provided with projections 153 at its opposite ends respectively and which extend into the slot 150 in the supporting bar 132.

As shown in the drawing, the supporting bar 132 is secured to the wheels or heads 133 by means of bolts 154 having rectangular heads 155 which fit within the T-shaped grooves 156 which extend circumferentially of the wheels 133. By this means the bar 132 and consequently the type block 131 may be adjusted to any angular position with respect to the axis of the shaft 134 for positioning the block of identifying data at any desired position intermediate the end edges of the sample sheet being printed upon.

For the purpose of counterbalancing the weight of the supporting bar 132 and the type block 131 a counterweight 157 is adjustably mounted on and extends between the wheels 133, 133 in substantially diametrically opposite relation to the said supporting bar 132.

As shown in Fig. 3, a relatively long type block 131*a* may be used providing for a considerably greater number of type slugs, such a type block being supported by two or more of the supporting bars 132 which may be spaced, as illustrated in Fig. 3, circumferentially of the wheels 133 and adjacent the respective ends of the type block 131*a*.

The shaft 134 is suitably mounted for rotation whereby the printing surface will revolve in contact with a sample carried by a suitable platen for pressing the sample into printing contact with the type face on the printing block 131.

I claim:

In a printing machine, the combination of a type block, a carrier bar secured to said type block, a pair of axially aligned supporting wheels respectively secured to the opposite ends of said carrier bar, means for adjusting the carrier bar circumferentially of the supporting wheels, and means for adjusting the type block transversely on said carrier bar.

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