

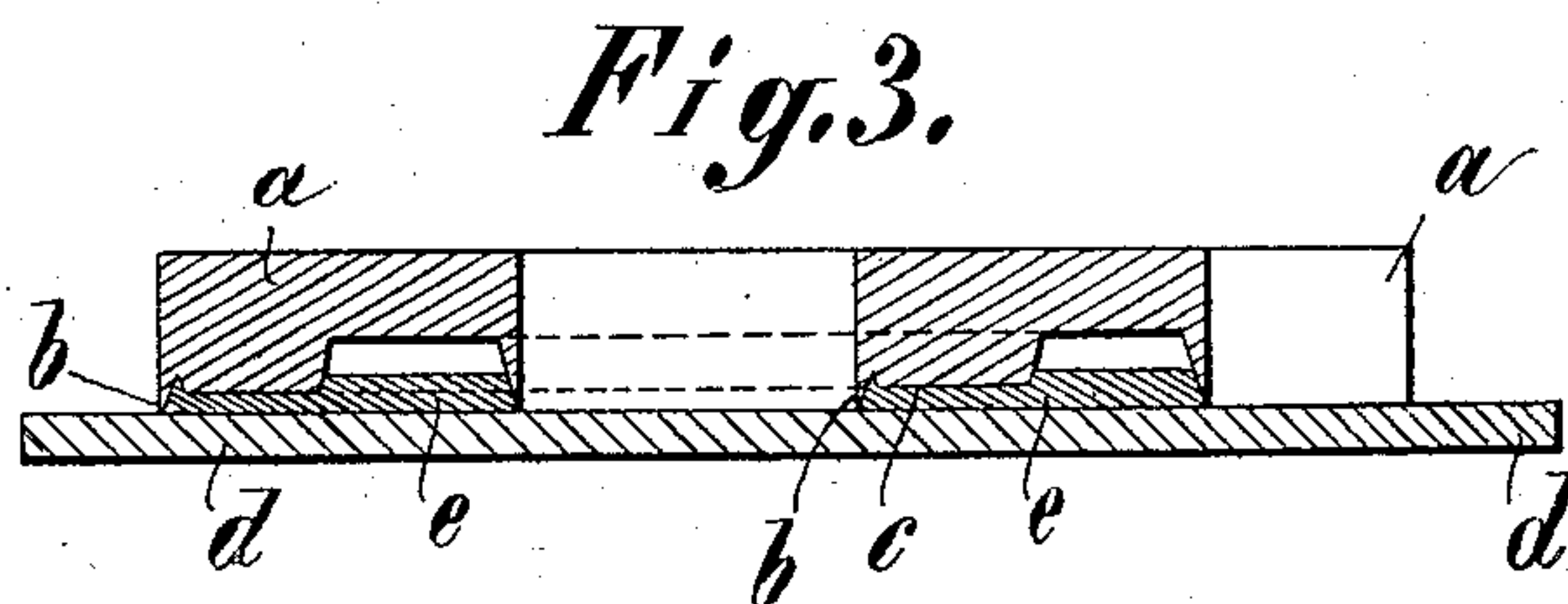
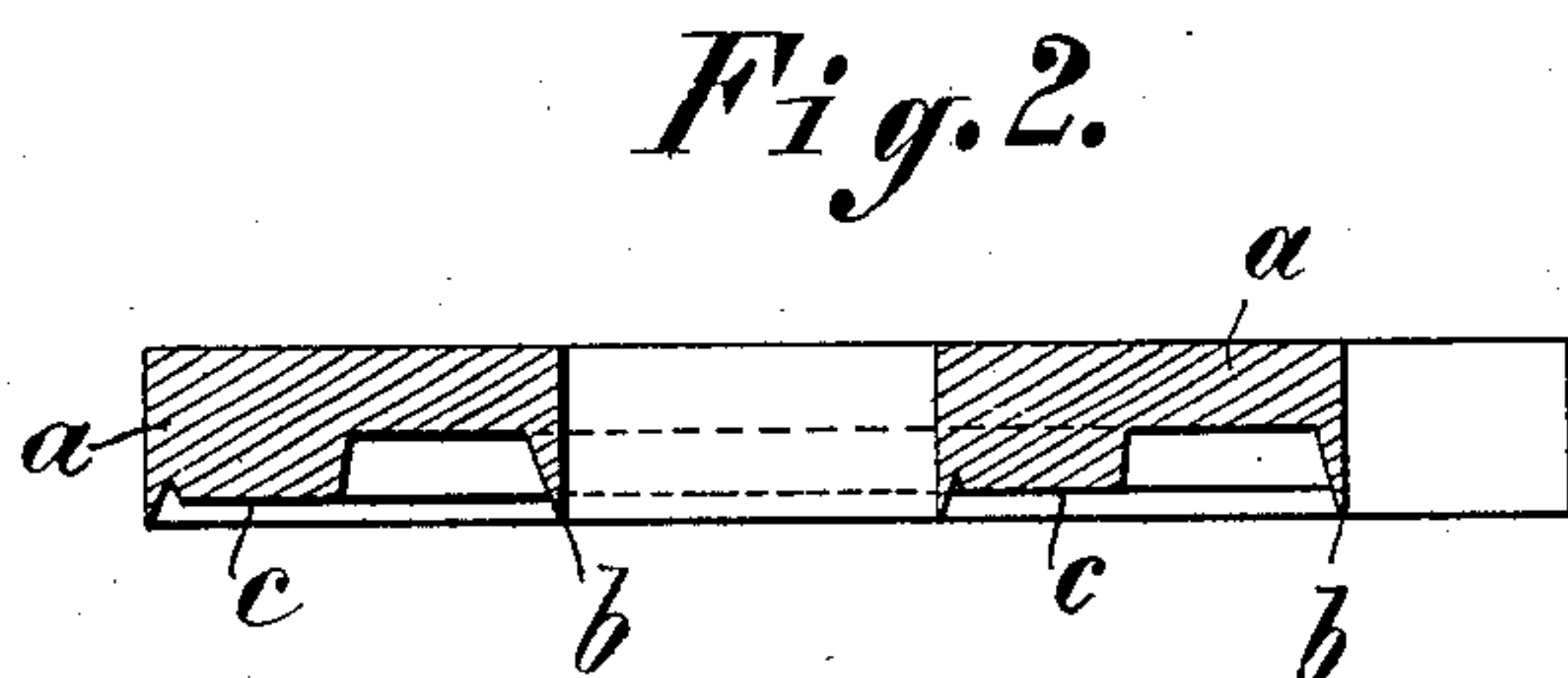
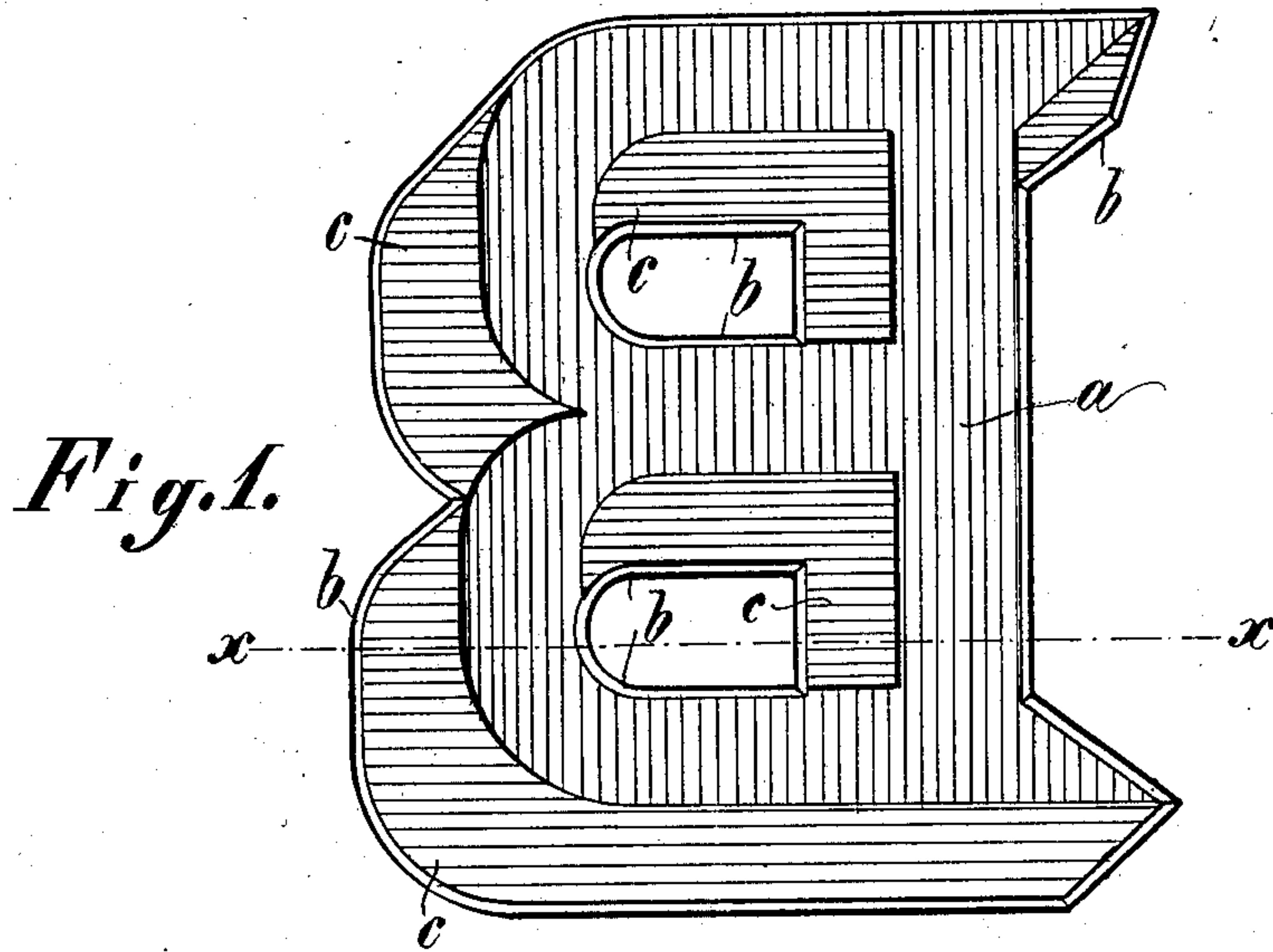
No. 753,740.

PATENTED MAR. 1, 1904.

W. M. ROCKSTROH.  
PRINTING BLOCK.

APPLICATION FILED AUG. 7, 1901.

NO MODEL.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

WILHELM MAX ROCKSTROH, OF KLEIN-SEDLITZ, NEAR PIRNA, GERMANY.

## PRINTING-BLOCK.

SPECIFICATION forming part of Letters Patent No. 753,740, dated March 1, 1904.

Application filed August 7, 1901. Serial No. 71,239. (No model.)

*To all whom it may concern:*

Be it known that I, WILHELM MAX ROCKSTROH, works manager, a subject of the Emperor of Germany, residing at and whose post-office address is Klein-Sedlitz, near Pirna-on-the-Elbe, in the German Empire, have invented certain new and useful Improvements in Printing-Blocks, of which the following is a complete specification.

10 This invention relates to a printing-block adapted in conjunction with foundation-sheets of different colors to produce three-color effects.

15 In printing-blocks according to the present invention the stamping out of the desired characters from an intermediate sheet and the affixing of such characters to a foundation-sheet is possible in a single operation; and the desired characters are at the same time partially colored or printed by means of printing-surfaces formed on the printing-block between the knife-like edges thereof, thus enabling the three-color effect heretofore mentioned to be obtained.

25 The accompanying drawings illustrate a printing-block according to the present invention, a letter form being chosen merely for the sake of illustration; but it will be understood that any desired literal, pictorial, or other device may be employed.

30 Figure 1 is a plan of the printing-block; Fig. 2, a section on the line *xx* of Fig. 1; and Fig. 3 is a diagrammatic longitudinal section through the printing-block, the object to be printed, and the intermediate sheet.

35 The printing-block *a* has substantially the known form and is provided with knife-like edges or outlines *b*, which inclose the printing-surfaces *c* to be inked—i. e., they extend throughout the outline of the surface *c*. These knife-like edges or outlines *b* not only surround the outer edge of the printing-block, but are formed at any desired place on the face

of the block so as to obtain shadow effects, Figs. 1 and 2. If, for example, a three-colored effect is to be obtained, an intermediate sheet *e*—of paper, for instance, Fig. 3—is placed upon the article to be printed upon (card-board or the like) *d*. The upper surface of the intermediate sheet *e* may be colored, or namented, or corrugated, as desired.

The printing-surface *c* of the printing-block *a* is first inked in the usual way with a color different from that of the intermediate sheet and article to be printed. The knife-like edges or outlines *b* cut out the letter, picture, or the like from the intermediate sheet *e* on the descent of the printing-block *a*, while the raised printing-surfaces *c* print the corresponding parts of the intermediate sheet *e* with the color that is upon them. The parts of the intermediate sheet *e* that come between the printing-surfaces *c* and the knife-like edges or outlines *b* are untouched by the printing-ink and retain their original color, so that the intermediate sheet that is stamped out will be of two colors. The device stamped out of the intermediate sheet is held fast during the printing operation upon the foundation-sheet, the outlines of the article cut out being pressed into the foundation-sheet and there held fast. The foundation-sheet during the printing operation is slightly indented and the sheet *e* is forced into the indentations, thereby holding the letter or other device that has been cut out without the use of adhesive material. The parts of the intermediate sheet *e* that come between the printing-surfaces *c* and the knife-like edges or outlines *b* project slightly, as shown at Fig. 3, and thereby produce a relief effect. As will be understood, any desired multiple-color effects may be produced by this method. For instance, the sheet *d* may be red, the intermediate sheet *e* blue, and the printing-surfaces *c* of the printing-block inked with black. Any desired variations can of course



be made, the essential feature of the invention being that these effects are produced by a printing-block in a single operation.

Having now particularly described and as-  
5 certain the nature of the said invention and in what manner the same is to be performed, I declare that what I claim is—

A printing-block having a raised portion forming a printing-surface and further pro-  
10 vided with a cutting means projecting above

the said printing-surface, said cutting means forming the edges of the printing-block and a part of the edges of said raised portion.

In witness whereof I have hereunto set my hand in presence of two witnesses.

WILHELM MAX ROCKSTROH.

Witnesses:

HERNANDO DE SOTO,  
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