

(Model.)

2 Sheets—Sheet 1.

R. WORTHINGTON.

MANUFACTURE OF ILLUSTRATED BOOKS.

No. 373,791.

Patented Nov. 22, 1887.

TYPE A	ILLUSTRATION B	TYPE A	ILLUSTRATION B	TYPE A	ILLUSTRATION B
TYPE A	ILLUSTRATION B	<i>Fig. 1</i> TYPE A	ILLUSTRATION B	TYPE A	ILLUSTRATION B
TYPE A	ILLUSTRATION B	TYPE A	ILLUSTRATION B	TYPE A	ILLUSTRATION B

ILLUSTRATION B	TYPE A	ILLUSTRATION B	TYPE A	ILLUSTRATION B	TYPE A
ILLUSTRATION B	TYPE A	ILLUSTRATION B	TYPE A	ILLUSTRATION B	TYPE A
ILLUSTRATION B	TYPE A	ILLUSTRATION B	TYPE A	ILLUSTRATION B	TYPE A

ATTEST:
Wm. H. Hicks
Otis Taylor

Fig 2

INVENTOR,

Richard Worthington by his Atty
A. Sidney Brown

(Model.)

2 Sheets—Sheet 2.

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Fig. 3.

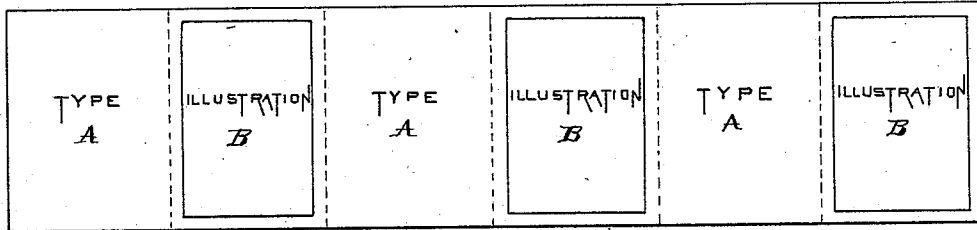


Fig. 4.

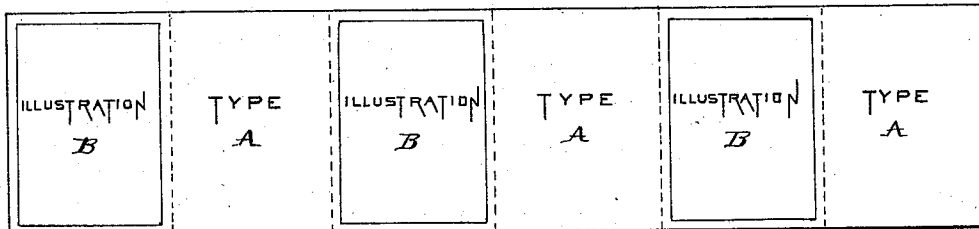
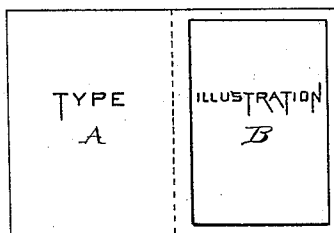


Fig. 5.



ATTEST:
Wm. H. Hacks
Atty Taylor

INVENTOR:
Richard Worthington by his Atty
A. Henry Doane

UNITED STATES PATENT OFFICE.

RICHARD WORTHINGTON, OF NEW YORK, N. Y.

MANUFACTURE OF ILLUSTRATED BOOKS.

SPECIFICATION forming part of Letters Patent No. 373,791, dated November 22, 1887.

Application filed June 21, 1886. Serial No. 205,757. (Model.)

To all whom it may concern:

Be it known that I, RICHARD WORTHINGTON, of the city, county, and State of New York, have invented Improvements in the Manufacture of Illustrated Books or Pamphlets; and I do hereby declare that the following is a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 represents one side of one of the printed sheets of which the book or pamphlet is composed. Fig. 2 represents the opposite side of the same. Fig. 3 represents one side of a section of the sheet shown in Fig. 1. Fig. 4 represents the other side of the same. Fig. 5 represents two pages of an illustrated book or pamphlet embodying my improvements.

In the drawings like parts of the invention are designated by the same letters of reference.

The nature of the present invention relates to improvements, as more fully hereinafter set forth, in the manufacture of illustrated books and pamphlets, the object of the invention being the production of an illustrated book or pamphlet so printed, cut, folded, and bound that a page of letter-press printed in one color shall be followed next in order by an illustrated page printed in a different color, thus rendering the book or pamphlet particularly attractive to children, for whose use it is particularly intended, while by simultaneously printing the letter-press in one color and the illustration in a different color the cost is not enhanced over and above the cost of a book or pamphlet having the letter-press and illustration printed in one color.

To enable those skilled in the arts to make and use my improvements, I will describe the same.

The press upon which it is intended the sheet or sheets of paper from which the book is to be formed shall be printed is provided with an ink-fountain divided by a series of vertical plates at proper intervals to receive different-colored inks, black ink for the letter-press pages and a different-colored ink for the illustrated pages; or a series of small fountains for each color may be employed and properly positioned relatively to the plates secured in the chase and received upon the bed of the printing-press that the letter-press

shall be inked in one color and the illustrations in another color. The fountain and form having thus been made ready for the work intended, the sheet to be printed is fed to the press and an impression taken, as shown in Fig. 1 of the drawings, the letter-press A and illustrated pages B being shown in the relative positions they occupy in the printed sheet, in which it will be seen that a page of letter-press A, printed, say, in black ink, is shown, succeeded by an illustrated page, B, printed in a different color. After the first side of the sheet has been thus printed the sheet is "backed" or passed a second time through the press, and the illustrations are printed on the opposite or back side of the letter-press page A and the letter-press upon the opposite side or back of the illustrated page B. The result of the second printing is clearly shown in Fig. 2 of the drawings. The printed sheet is then cut lengthwise, and in the case of a sheet of paper employed as shown in Figs. 1 and 2 of the drawings, into three sections, one side of a section and its reverse side being shown in Figs. 3 and 4 of the drawings. These sections are then folded in such a manner as to bring an illustrated page, B, next in order to a page of letter-press, A, and form the "signatures" of which, when bound together, the book is composed.

It will be observed that I am thus enabled, without increasing the cost of making the same, to produce a book one page of which—the letter-press—shall be printed in one color, succeeded by a second page—the illustrated one—printed in a second color, by which the attractiveness of the book is greatly enhanced.

Having now described my invention, I claim as new—

The method of printing leaf-sections for illustrated books, consisting in simultaneously printing on one side letter-press and an illustration in two different colors to form two leaf-faces, and then simultaneously printing letter-press and an illustration on the reverse side in two different colors to alternate with those first printed, and then folding and binding, as set forth.

RICHARD WORTHINGTON.

In presence of—

W. V. H. HICKS,
A. SIDNEY DOANE.