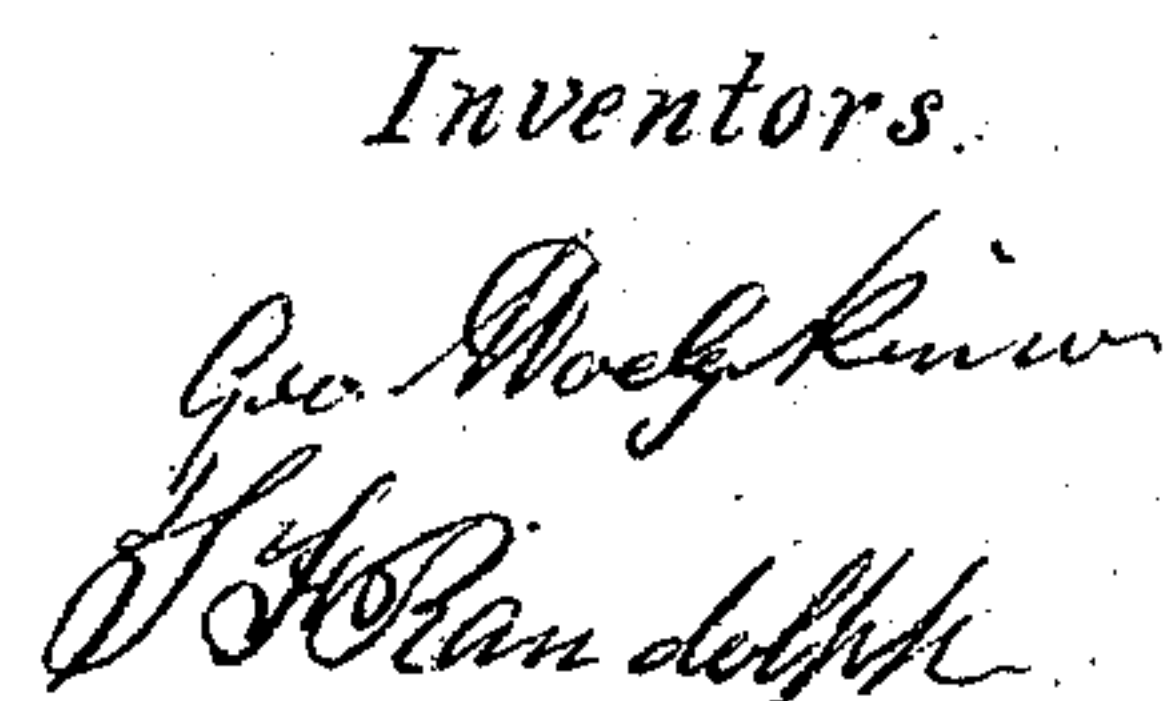


Hodgkinson & Randolph.
Indexing Mach.
N^o 17149. *Patented Apr. 28. 1857.*

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UNITED STATES PATENT OFFICE.

GEO. HODGKINSON AND THEO. F. RANDOLPH, OF CINCINNATI, OHIO.

MACHINE FOR CUTTING INDEXES TO BLANK BOOKS.

Specification of Letters Patent No. 17,149, dated April 28, 1857.

To all whom it may concern:

Be it known that we, GEORGE HODGKINSON and THEODORE F. RANDOLPH, of the city of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and Improved Machine for Cutting Indexes to Blank Books; and we do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of this machine is to cut the indexes to different lengthed blank books; by making the scale T to represent the length of the book to be cut, it leaves a rounded corner; being cut with one cut there is no place to commence to tear, as in the ordinary way of cutting with shears; when cut with shears the leaf must always be cut past the corner which will tear very easy. This machine does the work much quicker and in a superior manner to the ordinary way of cutting indexes.

To enable others skilled in the art to make and use our invention we will proceed to describe its construction and operation.

The figure is a perspective view of the machine.

A is a table on which the machine is mounted.

B is a metal frame which is secured to the table.

C is a round shaft, with a knife D attached to its lower end; E serves as a key to the shaft C the back end of which is attached to the treadle shaft F.

P is a piece of copper or its equivalent to cut on—being slid in a dovetail in the platform H, the cuttings falling through the hole R in the platform H, thence through the top of the table into a drawer.

J is a spiral spring which raises the shaft C, and treadle N.

L is a movable gage for the width of the index.

T is a scale for the length of the index or book, each division representing the length to be cut for each letter of the alphabet.

a a a a are shapes of different cutters.

G G represent the indexes after being cut, there being a double and single index represented.

Operation: The book is placed with the bottom to the left hand; one cover is placed under the platform H; O represents the end of the book with one cover under the platform H; the other cover is raised with all the leaves intended to be used for the letter Z. The edge of the book being placed against the gage L the right hand end of the book corresponding with the mark on the scale T; the knife is then brought down by the pressure on the treadle N; the spring J then raises the cutter and shaft, when the number of leaves is raised by the operator for the next letter above Z. The book is adjusted to the scale T for the next letter, the cutter is again brought down, the number of leaves again raised for the next letter &c., until the whole index is cut from the bottom to the top of the book. The leaves that are not intended to be cut are held up by the operator.

We do not claim any of the devices separately; but

What we do claim, is—

The arrangement of the machine herein above described for the purposes set forth.

GEO. HODGKINSON.
T. F. RANDOLPH.

Attest:

W. CHIDSEY,
JOSEPH SERODINO.