No. 726,921. PATENTED MAY 5, 1903.

F. W. HILLARD.

BOOK TYPE WRITER TABLE.

APPLICATION FILED AUG. 31, 1901.

NO MODEL. 3 SHEETS—SHEET 1.

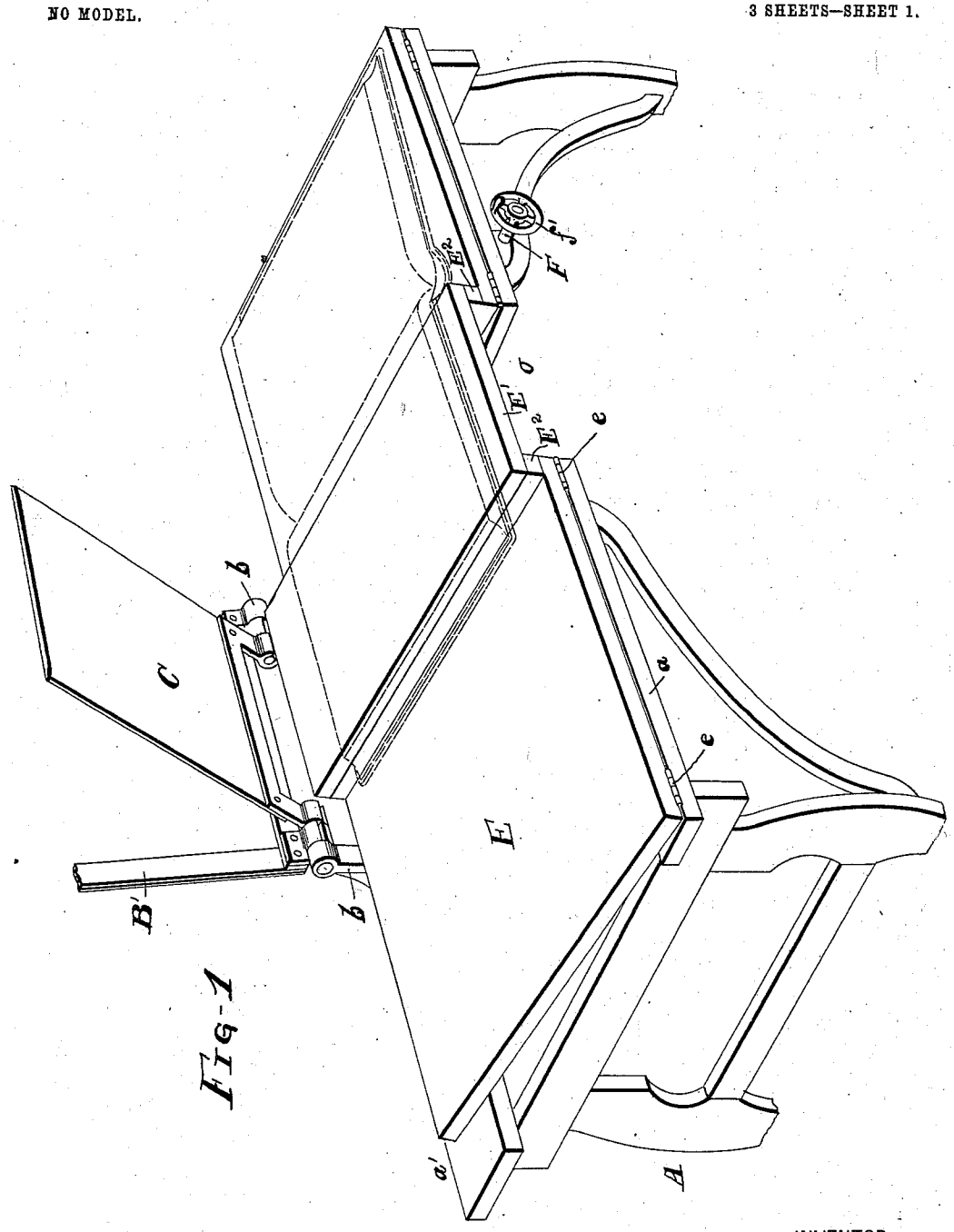


FIG. 1

WITNESSES:

Edward G. Hawkins

Geo. L. Wheelock.

INVENTOR

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Thomas Ewing Jr

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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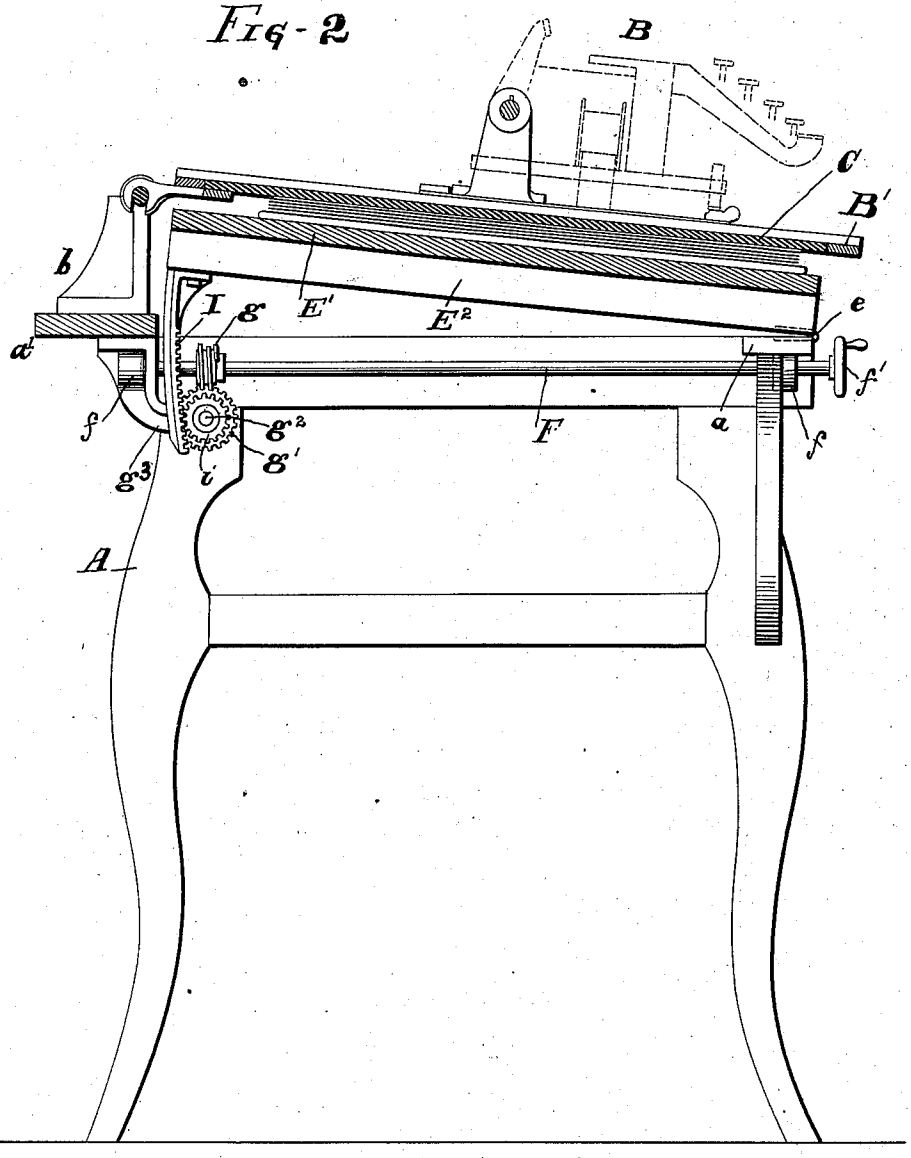
F. W. HILLARD.

BOOK TYPE WRITER TABLE.

APPLICATION FILED AUG. 31, 1901.

NO MODEL. 3 SHEETS—SHEET 2.

FIG-2



WITNESSES:

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No. 726,921. PATENTED MAY 5, 1903.

F. W. HILLARD.

BOOK TYPE WRITER TABLE.

APPLICATION FILED AUG. 31, 1901.

NO MODEL. 3 SHEETS—SHEET 3.

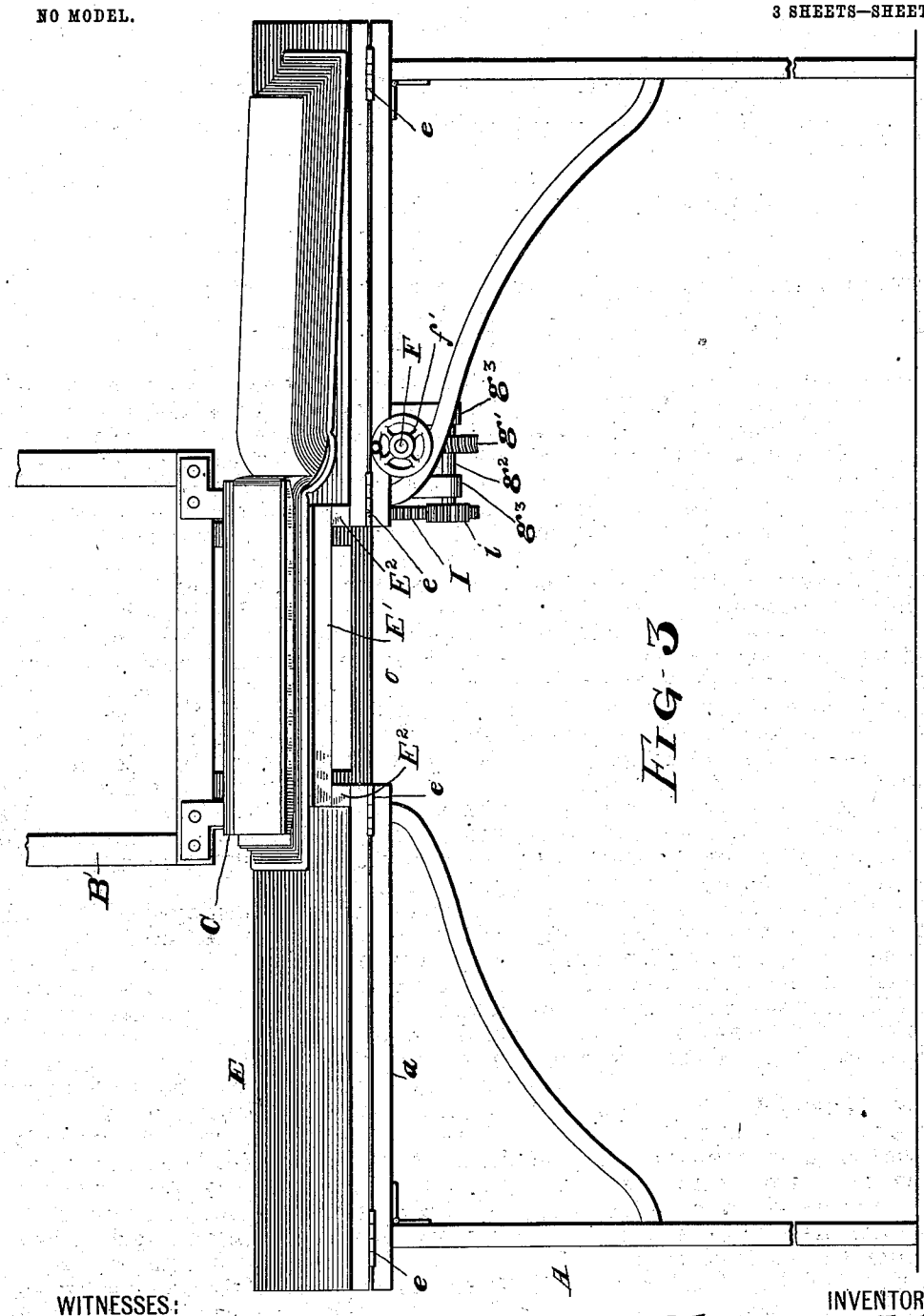


FIG. 3

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No. 726,921. Patented May 5, 1903.

UNITED STATES PATENT OFFICE.

FREDERIC W. HILLARD, OF TOTTENVILLE, NEW YORK, ASSIGNOR TO THE ELLIOTT & HATCH BOOK TYPEWRITER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

BOOK-TYPE-WRITER TABLE.

SPECIFICATION forming part of Letters Patent No. 726,921, dated May 5, 1903.

Application filed August 31, 1901. Serial No. 74,015. (No model.)

To all whom it may concern:

Be it known that I, FREDERIC W. HILLARD, a citizen of the United States of America, and a resident of Tottenville, in the county of Richmond, city and State of New York, have invented certain new and useful Improvements in Book-Type-Writer Tables, of which the following is a specification.

The present invention relates to type-writer tables of the class adapted for book type-writers, enabling the book to be spread open thereon and any page type-written.

The objects of the invention are to provide a simple and convenient form of table for a platen which is mounted at a fixed pivot-point, the book-rest being adjustable relatively thereto; also, to so mount the book-rest as that in the writing position the book-rest is at the natural writing-level, and to provide means for supporting that portion of the book not being written upon at a lower level, and to so construct the table as that the entire adjustment for writing position in any thickness of book may be accomplished without the operator having to leave the chair.

The invention consists of certain features of construction and combinations of parts to be hereinafter described and then specified in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a type-writer table according to the present invention, showing the platen raised and a book thereon in dotted lines. Fig. 2 is an end elevation of the same, the writing instrumentalities being shown in writing position and the machine proper being shown in dotted lines; and Fig. 3 is a front elevation of the table.

Referring to the drawings, A indicates the table-frame; B, the writing-machine proper; B′, the base-frame of the same, and C the platen, all well known.

In a companion application filed contemporaneously and now Patent No. 695,725, dated March 18, 1902, certain claims are made covering one of the underlying features of both inventions in so far as they both reside in the combination of a platen and a hinged or pivoted book-rest.

The base-frame B′ and platen C are pivoted on fixed supporting-brackets *b* at the middle of the back of the table-frame, so that they have fixed pivot-points. A book-rest E, which is of the entire length of the table, is connected by means of hinges *e* at its front edge with the front bar or rail *a* at the top of the table-frame and may be operated to raise or lower it by means of an adjusting mechanism comprising a rotary shaft F, journaled transversely of one end of the table-frame in bearings *f* and provided with a hand-wheel *f′* at its forward end. The rear end of the shaft F is provided with a worm *g*, which meshes with a worm-wheel *g′*, fixed on a short longitudinal shaft g^2, journaled in bearings g^3, projecting from the under side of the rear bar or rail *a′* at the top of the table-frame A. A pinion *i* is fixed on short shaft g^2 and meshes with a downwardly-projecting rack I, fixed rigidly on the under side of the swinging rear portion of the book-rest E, causing by the rotary motion of the adjusting-shaft F the up or down movement and setting of the book-rest to desired position. No special fastening device other than the described motion-transmitting mechanism is necessary for the book-rest, as worm-wheel *g′* evidently sets or binds against the worm *g* and prevents the lowering of the book-rest due to its weight and that of the superimposed parts.

The characteristic feature of this invention is an intermediate arched book and platen-supporting rest on the book-rest E and composed of a flat board E′ and side supports E^2, suitably secured together and rigidly mounted above the transverse opening or space *o*, formed at the middle of the book-rest, so that the ends or relatively lower portions of the book-rest may support that portion of the book not being written upon at a lower level than writing position. Thereby provision is made for writing at the natural writing-level and for supporting those portions of the book not being written on at a lower level. The upper surfaces of the low end portions of the book-rest and the upper surface of the flat arch forming the platen-rest are parallel, so that the covers of the book to be written in may lie flat upon either end portion of the book-rest and upon the relatively higher rest,

thereby disposing the leaf to be written upon in proper writing position over the rest E' E^2. Having placed the book in position, the platen is lowered, and then by turning the shaft F the book-rest is raised or lowered until the platen will lie flat upon the portion of the book resting on the rest E' E^2. The leaf to be written on is now placed over the platen and the writing mechanism lowered into writing position.

A quick adjustment of the parts to writing position may be obtained by the described table, inasmuch as the platen swings on a fixed pivot-point, and the adjusting device for the book-rest is in convenient reach of the operator at the right-hand end of the front of the table.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a book-type-writer table, a book-rest having end portions to support a half of the book and an intermediate raised arched book and platen-supporting rest, substantially as described.

2. In a book-type-writer table, a book-rest having a central transverse arched book and platen-supporting rest, substantially as described.

3. In a book-type-writer table, a book-rest having a rigidly fixed arched book and platen-supporting rest, substantially as described.

4. In a book-type-writer table, a hinged book-rest having a lower portion to support half of the book, and a relatively higher book and platen-supporting rest, substantially as described.

5. In a book-type-writer table, a book-rest hinged at its front edge thereto, and having end portions to support a half of the book, an intermediate raised arched book and platen-supporting rest, substantially as described.

6. In a book-type-writer table, the combination, with the hinged platen, of an independently-hinged book-rest having a lower portion to support half of the book and a relatively higher book and platen-supporting rest, substantially as described.

7. In a book-type-writer table, the combination, with the platen pivoted at the rear of the table, of a book-rest hinged to the front of the table, and having an arched book and platen-supporting rest, substantially as described.

8. In a book-type-writer table, the combination, with the swinging platen, pivoted at a fixed point, of a book-rest pivoted at a fixed point relatively to the platen and having a lower portion to support half of the book and a relatively higher book and platen-supporting rest, substantially as described.

9. In a book-type-writer, the combination, with the table-frame, of a book-rest hinged thereto and provided with a rack, of a worm-gear adjusting device provided with a pinion meshing with the said rack, and a platen pivoted to the table independently of the book-rest, substantially as described.

Signed at New York this 21st day of August, 1901.

FREDERIC W. HILLARD.

Witnesses:
GEO. S. WHEELOCK,
BERNARD J. MCCLEARY.