

No. 875,502.

PATENTED DEC. 31, 1907.

L. B. CHADWICK.

BOOK MARK.

APPLICATION FILED JULY 24, 1907.

Fig. 1.

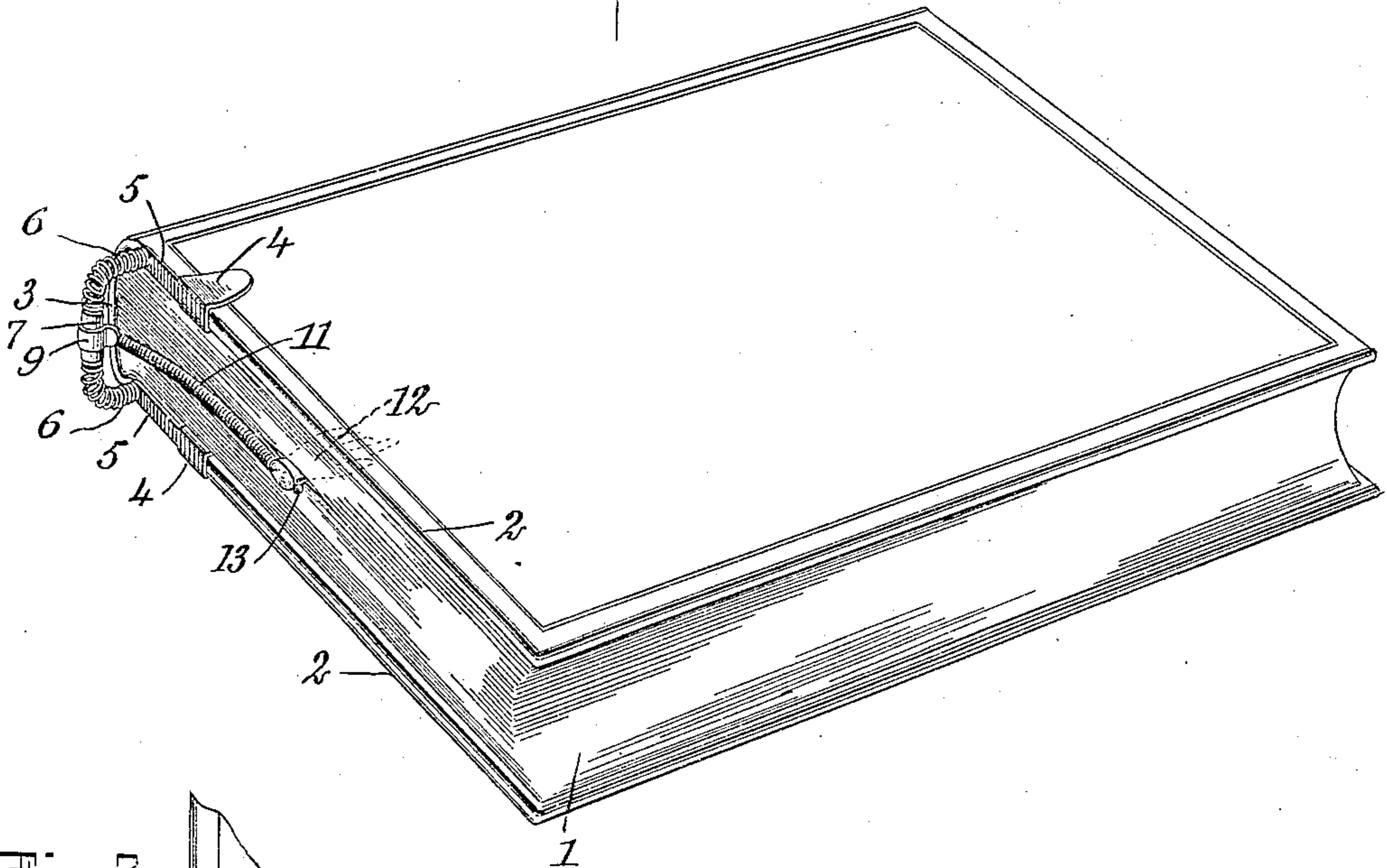


Fig. 2.

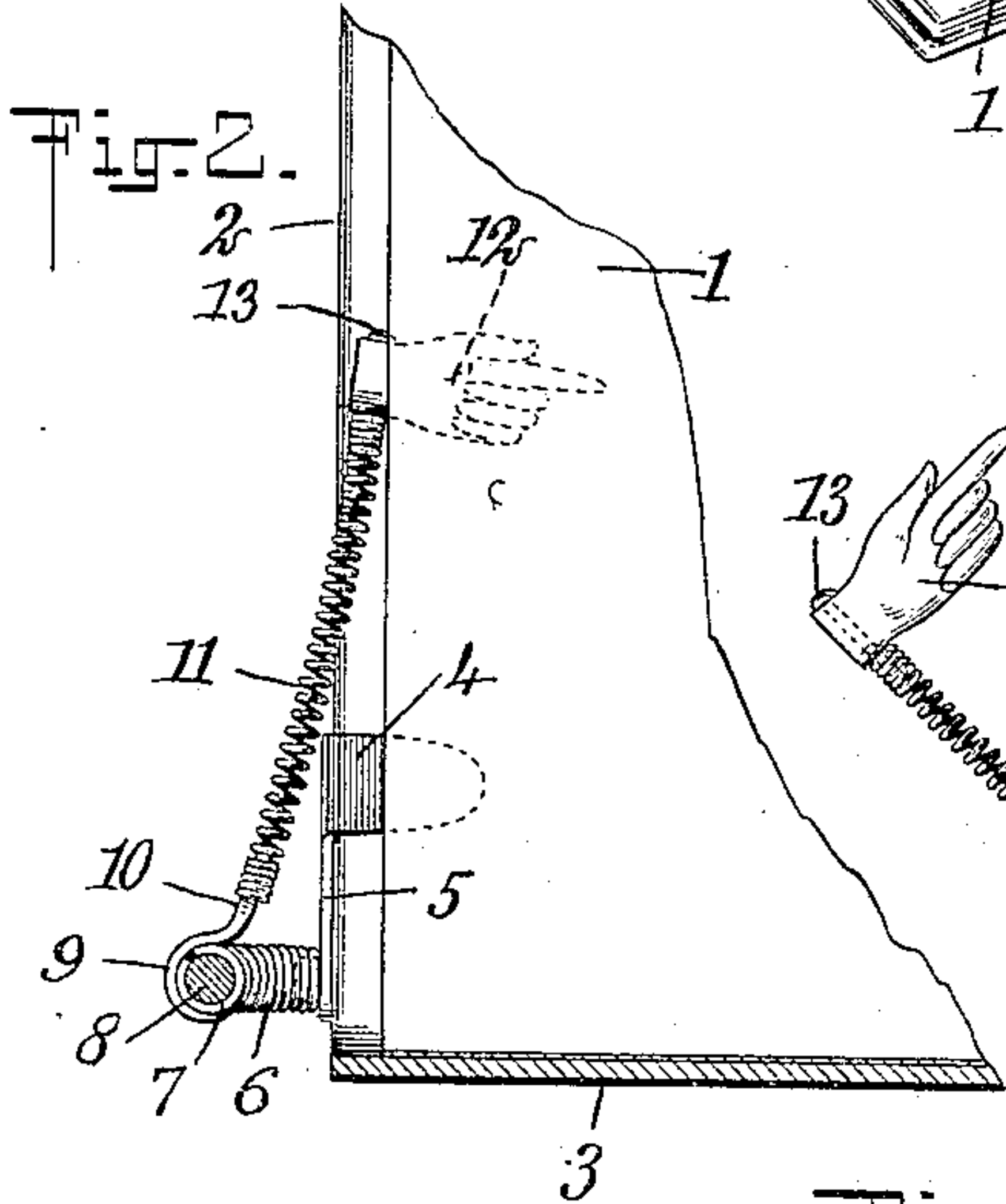


Fig. 3.

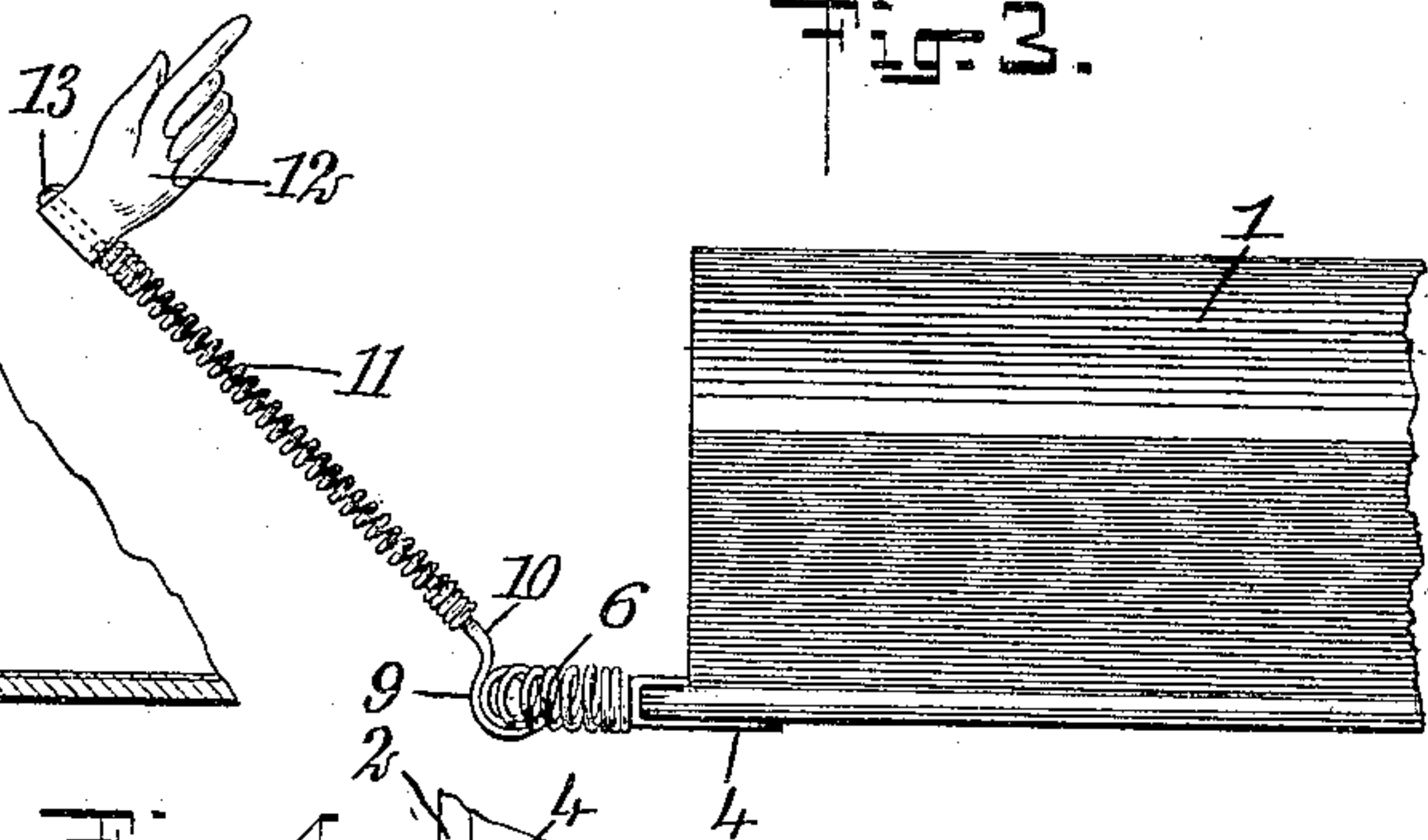
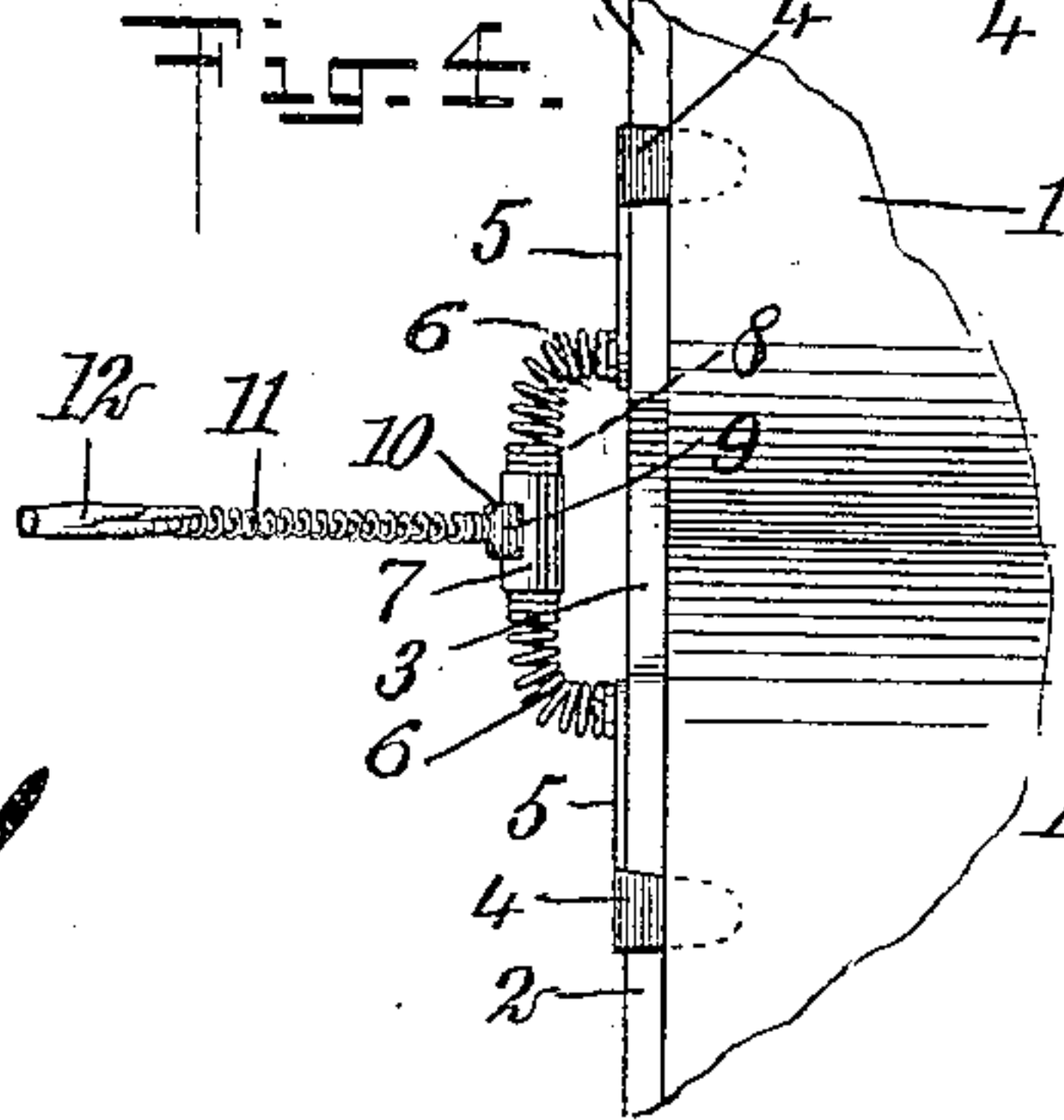


Fig. 4.



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BOOK-MARK.

No. 875,502.

Specification of Letters Patent.

Patented Dec. 31, 1907.

Application filed July 24, 1907. Serial No. 385,233.

To all whom it may concern:

Be it known that I, LEONARD BENJAMIN CHADWICK, a citizen of the United States, and a resident of Chelsea, (station Boston,) in the county of Suffolk and State of Massachusetts, have invented a new and Improved Book-Mark, of which the following is a full, clear, and exact description.

This invention relates to book marks, and more particularly to book marks adapted to be mounted upon a portion of a book, and automatically indicating, when the book is closed, the page at which the book was last opened.

The object of the invention is to provide a simple, strong and inexpensive automatic book mark, adapted to be removably mounted upon a book and operated by the movement of closing the book, to insert an indicating pointer between the pages at which the book is open.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which

Figure 1 is a perspective view showing a book with my invention applied thereto; Fig. 2 is a transverse section of a portion of a book with the book mark mounted thereupon and shown partly in cross section; Fig. 3 is an end view of a part of a book showing my invention in position when the book is open; and Fig. 4 is a rear view showing a portion of an open book with the book mark mounted upon the covers thereof.

Before proceeding to a more detailed explanation of my invention it should be clearly understood that the latter is automatic in its action and is controlled solely by the movement of closing or opening the book. While I prefer to mount the book mark upon the covers of the book it is quite possible to arrange the device upon other portions of a volume, for instance, the first and last few pages. When the book is open, the pointer of the book mark is swung into an inoperative position and remains there until the book is closed. The approach of the covers in closing the book, operates the device to swing the pointer in a direction intermediate of the book covers and between the pages at which

the book is open, thereby indicating the place to the reader.

Referring more particularly to the drawings, 1 represents a book of the usual form, having a binding comprising covers 2 and a back 3. Removably mounted upon each of the covers near the back is a metal clip 4 having an extension 5 arranged along the edge of the cover toward the back of the book. An outwardly projecting helical spring 6 is mounted upon each of the extensions 5 near the end thereof, by soldering or in any other suitable manner. Between the outer extremities of the springs 6 is a sleeve 7, preferably of suitable metal and carrying therewithin a shank 8, having the ends projecting beyond the extremities of the sleeve, and secured to the ends of the springs 6 by soldering or in any other convenient manner. Suitably secured to the sleeve 7 is a head 9 curved to conform to the sleeve and having an extension 10. An arm 11 consisting preferably of a helical spring, is secured at one end to the extension 10, and projects laterally from the sleeve 7, carrying at the outer end a pointer 12, secured in position by means of a pin 13 passing therethrough and having the end arranged within the spring constituting the arm 11. The springs 6 with the joining members therebetween, are arched from cover to cover of the book when in position thereupon, and carry the arm and pointer projecting in a direction intermediate of the book covers. When the book covers are opened fully and arranged in one plane, the flexible member formed by the springs and the connection therebetween is in a normal position, that is, the central portion of the flexible member is not laterally twisted with respect to the ends fixed upon the covers. When the covers are swung about the edges of the back and are approached, the ends of the flexible member are rotated toward each other and the central portion of the flexible member, comprising mainly, the shank and the sleeve carrying the pointer, is thereby twisted or rotated in a direction toward the pages of the book. In moving in this direction the pointer is swung in a direction intermediate of the covers to a position between the pages at which the book was opened, and the pointer is thereby inserted between these pages and marks the same as the book is closed. When the book is again opened, the extremities of the flexible member are rotated in reverse directions

by the movement of the covers, and the central portion of the flexible member is thereby correspondingly rotated in the reverse direction, to swing the pointer from between the
5 pages into an upright position where it remains as long as the book is open.

While I prefer to employ helical springs in the flexible member it will be understood that any other convenient resilient material
10 can be used. Furthermore, the arm, pointer and the clips, as well as the other portions of the device, can be formed from other suitable material besides metal, which is suited to the purpose. It will be understood that owing
15 to the flexibility of the arched supporting member, the device is adapted for use in connection with books of different sizes.

Having thus described my invention, I claim as new and desire to secure by Letters
20 Patent:—

1. A book mark, comprising a pointer adapted to enter the leaves of a book, and means for connecting the pointer to a portion of the book and operating to insert and with-
25 draw said pointer as the book is closed or opened.

2. A book mark, comprising a pointer movable in a direction intermediate of the covers of a book and adapted to enter between
30 the leaves of the book, and means for connecting the pointer to a portion of the book, said connecting means being operable by the movement of opening or closing the book and controlling the pointer to insert or with-
35 draw the same from between the leaves of a book as the book is shut or opened.

3. A book mark, comprising a member adapted to be mounted upon the binding of a book and operable by the movement of the
40 covers thereof, and a pointer controlled by said member and movable therewith, said pointer being arranged to move in a direction intermediate of the book covers.

4. A book mark, comprising a pliable
45 member adapted to be secured to a book cover and carried in a normal position when the cover is open, said member being twisted transversely of its length when the cover is closed, and a pointer controlled by said
50 member.

5. A book mark, comprising a pliable member adapted to be secured to a book cover and carried in a normal position when the cover is open, said member being twisted
55 transversely of its length when the cover is closed, and a pointer carried by said member and movable in a direction intermediate of the book covers, said member being swung to a position between the book covers when
60 said member is twisted.

6. A book mark, comprising a pliable member adapted to be secured at the extremities to the covers of a book, the ex-

trемities of said member being rotated toward each other when the book covers are
65 approached, whereby the central portion of said member is rotated, and a pointer carried by said member near the center thereof and movable in a direction intermediate of the book covers.

7. A book mark, comprising clips adapted to be mounted upon the covers of a book, a
70 pliable member secured at the opposite ends thereof upon said clips and operable by a movement of the covers, an arm carried by
75 said member between said clips, and a pointer mounted upon said arm.

8. A book mark, comprising clips adapted to be mounted upon the covers of a book, springs carried by said clips and arranged
80 to be transversely twisted when the covers are operated, a member connecting said springs, an arm carried by said member, and a pointer mounted upon said arm near the end thereof.

9. A book mark, comprising clips adapted to be mounted upon the covers of a book, helical springs each secured at an end to one of said clips, a member mounted between
90 said springs and rigid therewith, an arm carried by said member, and a pointer mounted upon said arm, the ends of said springs secured to said clips being rotated when said covers are moved relatively to one
95 another, whereby said connecting member is rotated to swing said arm in a direction intermediate of the covers of the book.

10. A book mark, comprising a pointer, a rotatable support therefor adapted to be
100 mounted upon a portion of a book and controlled by the movement of the book covers, said support operating to swing said pointer to and from a position intermediate of the covers of the book.

11. A book mark, comprising a pointer, a
105 rotatable support therefor operating to swing the arm in a direction intermediate of the covers of the book, and means for connecting the support to a portion of the book.

12. A book-mark, comprising a page-in-
110 dicating member, and means for automatically disposing said member in position intermediate of the book covers.

13. A book-mark, comprising a page-in-
115 dicating member, and means for automatically inserting said member between pages of the book, said member being inoperatively disposed when the book is open.

In testimony whereof I have signed my name to this specification in the presence of
120 two subscribing witnesses.

LEONARD BENJAMIN CHADWICK.

Witnesses:

JOHN E. KEATING,
EDWARD O. BURCKES.