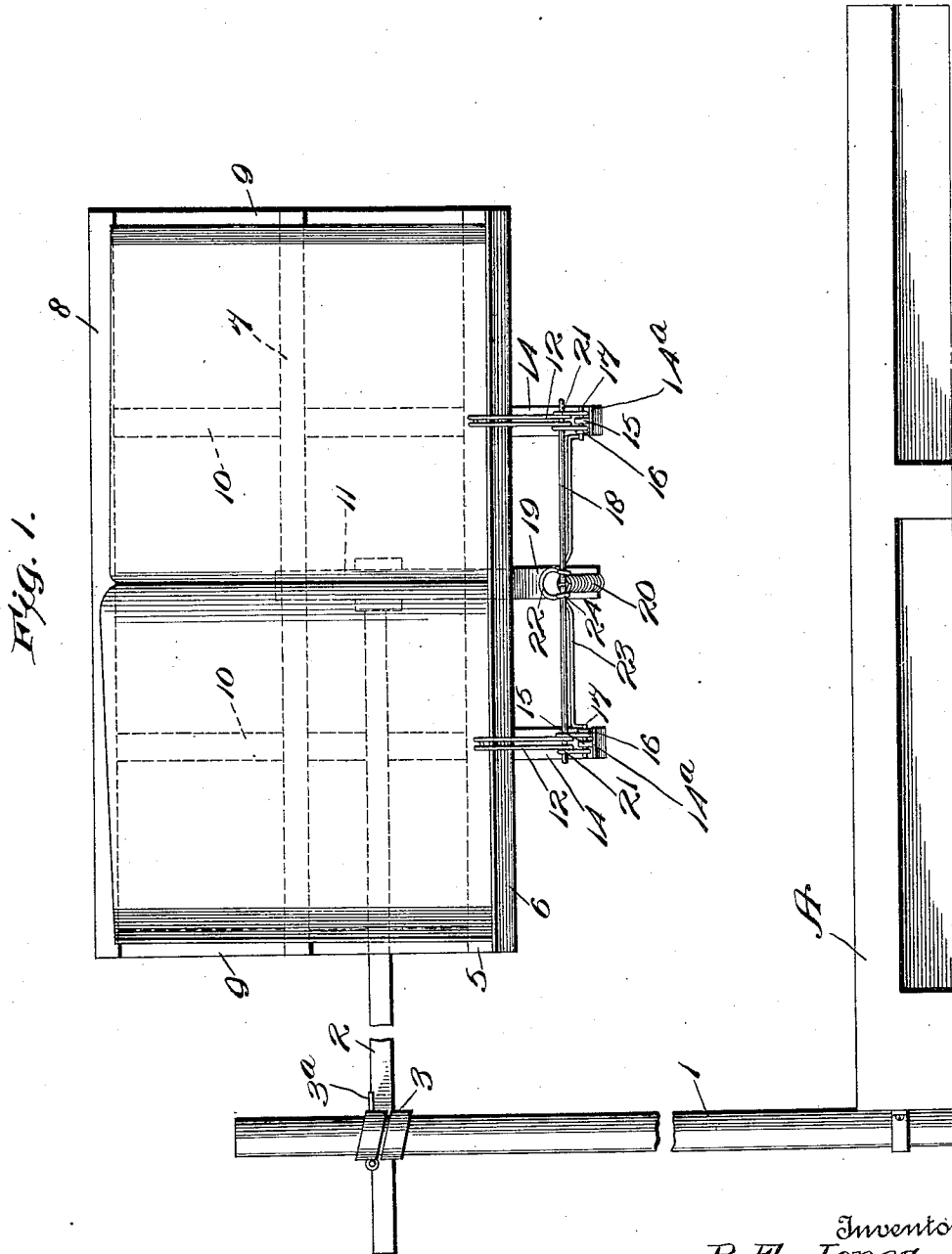


R. E. JONES.
BOOK SUPPORT OR HOLDER.
APPLICATION FILED APR. 12, 1912.

1,049,101.

Patented Dec. 31, 1912.

2 SHEETS--SHEET 1.



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UNITED STATES PATENT OFFICE.

RALPH E. JONES, OF THE UNITED STATES ARMY.

BOOK SUPPORT OR HOLDER.

1,049,101.

Specification of Letters Patent.

Patented Dec. 31, 1912.

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To all whom it may concern:

Be it known that I, RALPH E. JONES, lieutenant, United States Army, a citizen of the United States, at present stationed at Fort McPherson, Georgia, have invented certain new and useful Improvements in Book Supports or Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention relates to book holders or supports, and has for its purpose to provide a device of that character wherein a book may be supported in any desired position and held open with the pages thereof in the natural position for reading and wherein the page-holding means will offer no obstruction to the print.

The invention further contemplates an arrangement wherein either side of the open book has its respective pages held by an independent tensioning device to the end that one may be moved without interference to the other; and wherein a common means is provided for removing simultaneously both of the tensioning devices if desired.

With these and other objects in view the invention consists in the novel details of construction and combinations of parts more fully hereinafter disclosed and particularly pointed out in the claims.

Referring to the accompanying drawings forming a part of this specification in which like numerals designate like parts in all the views:—Figure 1 is a front elevational view of the device in applied position; Fig. 2 is a side elevational view of the book holder *per se*; Fig. 3 is an elevational view of the adjustable support; Fig. 3^a is a top plan view of Fig. 3; Fig. 4 is a detail perspective view of the shelf-supporting bar; and Fig. 5 is a detail perspective view of the shelf; the page-retaining arms; and their associated parts.

Referring to the construction in detail, 1 designates a bar suitably secured to a desk, table or other article A, and on which is adjustably mounted a laterally disposed arm 2 through the medium of a plate 3 which is twisted and slidably mounted on said bar 1. The bar 1 has perforations at suitable intervals to receive the pin 3^a that passes through and supports said plate 3. The arm 2 is slidably mounted between the projecting ends of the plate 3, for which

purpose said ends are notched (see Figs. 3 and 3^a). On one end of the arm 2 is secured a bracket 4 adapted to support the book-holder *per se*.

The book-holder comprises a shelf 5 provided with an angularly disposed flange 6 and a frame against which the book cover rests, as indicated in Fig. 1. Said frame consists of two lateral strips 7 and 8 connected with the shelf 5 by a pair of vertically disposed strips 9, and a pair of similar and intermediate strips 10. Said frame has secured thereto, in any suitable manner, a bar 11 which is supported by the bracket 4 from the arm 2, and in order that the book may be turned to any angular position desired, said bar 11 has the lower portion thereof reduced and pivotally mounted within apertures provided in said bracket (see Fig. 4).

A pair of retaining members, or tensioning devices 12 are provided whose purpose is to engage with and hold the pages of the open book in such manner that the matter thereon may be readily seen, and to this end, said members 12 have their free ends 13 angularly disposed so that the minimum portions thereof engage with the book pages, and thus offer no obstruction to the view. The arms 12 are each independently and pivotally mounted on the shelf 5, through the medium of brackets 14, which, for this purpose, have lugs 15 to receive pivot pins 17 that have wound thereon the ends 16 of said arms, as will be further explained. The two arms 12 are loosely connected to permit of respective independent movement through the medium of a bar 18, whose ends pass through turns 21 of said arms in such manner that sufficient play is permitted, therebetween, to allow of either arm 12 being moved on its pivot 17 without interfering with the other arm.

The tensioning device for the arms 12 consists of a spring 20 whose respective ends are connected with the bar 18, and a member 19, which is secured to and projects downwardly from the shelf 5. Through the provision of the anchored spring 20, it will be clear that uniform tension is exerted upon the arms 12 for holding said arms with sufficient frictional engagement with the lower margins of the book pages to hold the same in smooth open position.

A handle 22 is loosely connected at 24 to

the bar 18, whereby said bar may be moved
bodily against the tension of the spring 20
for removing the arms 12 simultaneously
from engaging position, and said loose con-
5 nections 24 permit of slight independent
movement of the arms 12, for obvious rea-
sons. When both arms 12 are moved fully
back by the handle 22, said arms contact
with the upturned ends 14^a of the brackets
10 14, which act in the capacity of stops, and
in this opened position said arms are held
by the tensioning spring 20, as indicated in
Fig. 2.

It is obvious that those skilled in the art
15 may vary the details of construction and
arrangement of parts without departing
from the spirit of my invention, and there-
fore I do not wish to be limited to such
features except as may be required by the
20 claims.

What I claim is:—

1. In a book holder, the combination of a
suitable support; a book supporting shelf
mounted thereon; brackets mounted on said
25 shelf and having projecting ends; a pair
of arms pivotally mounted on said brackets
and adapted to hold open the pages of the
book; a member connecting said arms; a
handle connected with said member for re-
30 moving the arms from engaging posi-
tion; said handle and arms formed from a

single strand of wire; and a spring tension-
ing device for said arms connected with said
member; said arms adapted to engage with
the projecting ends of said brackets when in 35
fully open position, and said spring tension-
ing device adapted to hold said arms in
such position, substantially as described.

2. In a book holder, the combination of a
suitable support; a book supporting shelf 40
mounted thereon; a pair of brackets mount-
ed on said shelf and having upwardly
turned projecting ends; a pair of arms piv-
otally mounted on said brackets and adapt-
ed to hold open the pages of the book; a bar 45
loosely connecting said arms; a handle
mounted on said bar for removing said
arms from engaging position; and a spring
tensioning device for said arms connected
with said bar, said arms adapted to engage 50
with the upturned projecting ends of said
brackets when in fully open position; and
said spring tensioning device adapted to
hold said arms in such position, substan-
tially as described. 55

In testimony whereof, I affix my signa-
ture, in presence of two witnesses.

RALPH E. JONES.

Witnesses:

S. CURTIS,
GEO. STEUNENBERG.