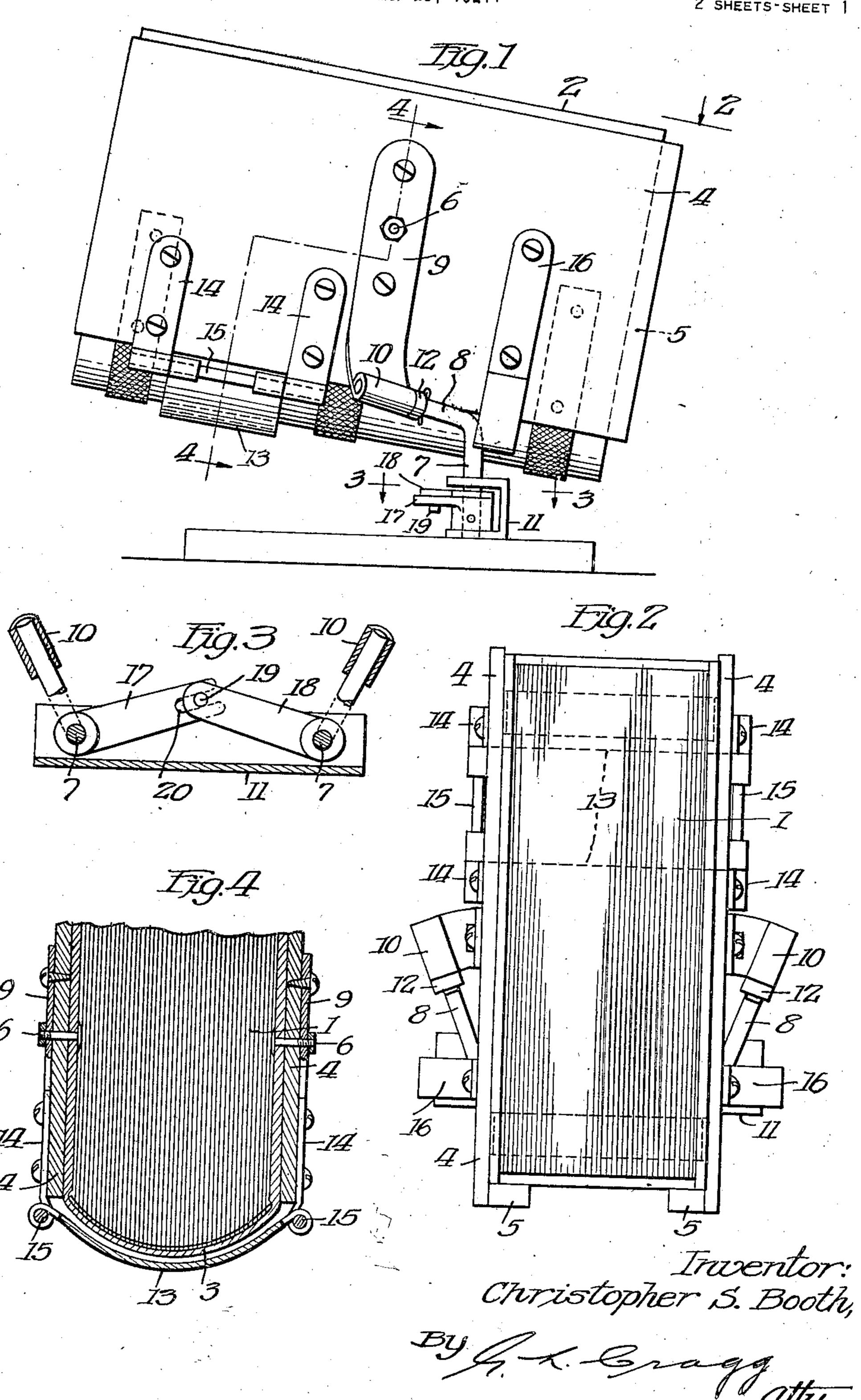
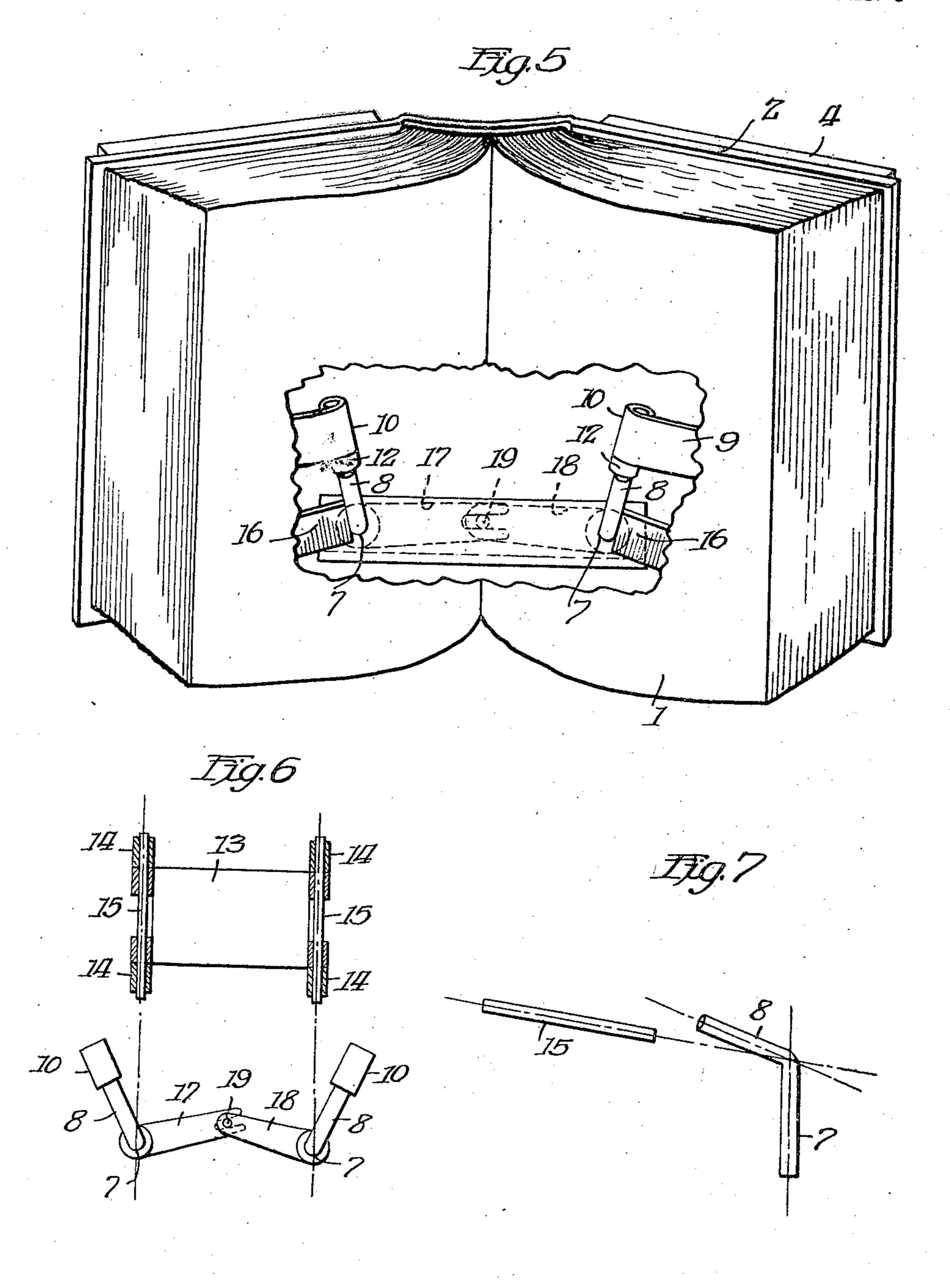
C. S. BOOTH.
BOOK HOLDER.
FILED MAY 23, 1921.



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2 SHEETS-SHEET 2



Christopher S. Booth,

By L. Gragg

any

UNITED STATES PATENT OFFICE.

CHRISTOPHER S. BOOTH, OF CAMP POINT, ILLINOIS.

BOOKHOLDER.

Application filed May 23, 1921. Serial No. 471,953.

To all whom it may concern:

ing at Camp Point, in the county of Adams 2 and their stiff supports 4 said covers and

ing the same.

thereof are made smooth.

Fig. 3 is a plan view, partially in section, closing spring. 35 illustrating the preferred means for con- The axes of the upright and angular rod 90 and closing movements; Fig. 4 is a sectional these back edges may spread apart as the view on line 4-4 of Fig. 1; Fig. 5 is a plan book is being opened. 40 view of the book, open; Fig. 6 is a some- A rigid connection, preferably in the 95

figures.

of the covers 2, the book being held in an Be it known that I, Christopher S. inclined position. In order to assure the Booth, citizen of the United States, resid- permanent relation between the stiff covers 5 and State of Illinois, have invented a cer- supports are bolted or otherwise rigidly se- 60 tain new and useful Improvement in Book- cured together as indicated at 6. The supholders, of which the following is a full, ports 4 thus, virtually, become parts of clear, concise, and exact description. the book covers, wherefore the invention is My invention relates to stiff covered books not to be limited to a construction employing 10 and resides in the combination thereof with both elements 2 and 4. The book is supported 65 improved holders therefor.

upon rods having lower upright portions The invention has for one of its objects 7 and angular portions 8, the stiff covers the provision of means whereby opening or of the book being directly connected with closing movements imparted to either book said angular rod portions by means of straps 15 cover will be communicated to the other 9 which are bolted thereto and which are 70 book cover so that both book covers will curled at their lower ends into bearings have substantially equal and simultaneous sleeves 10 which surround and turn upon the opening and closing movements. angular rod portions 8. The upright rod The invention has for another of its ob- portions 7 are journaled in the frame 11 20 jects the provision of means whereby the whereby the rods may turn upon the vertical 75 weight of the book will take part in clos- axes of said upright portions 7. The angular rod portions 8 are symmetrically related and The invention further includes an im- are oblique to the normal plane of the book, proved mounting for each of the book covers the plane occupied by the book when closed. 25 whereby the opening and closing movements. The two angular rod portions 8 converge 80 toward the bottom of the book, on which The invention in all of its characteristics account the rod portions 8 are provided will be fully explained by reference to the with washers 12 that engage the lower ends accompanying drawings in which Fig. 1 of the sloping sleeve bearings 10. Upright 30 is a side view of the book and the sup- rod portions 7 are between the middle and 85 porting means therefor, the book being bottom of the book whereby the weight of shown in closed position; Fig. 2 is a plan the book aids in closing the book, it being view of the book as it appears in Fig. 1; therefore unnecessary to employ a book

straining both book covers to have sub- portions 7 and 8 intersect in a plane that is stantially equal and simultaneous opening below the back edges of the covers whereby

what diagrammatic view of parts of the form of a strap 13, is in hinged connection book supporting means; and Fig. 7 is an- with the leaves 14, carried by the book supother somewhat diagrammatic view of parts ports 4, by means of pintles 15. These pinappearing in Fig. 6. tles are parallel and below the back edges Like parts are indicated by similar char- of the book covers and the axes thereof sub- 100 acters of reference throughout the different stantially intersect the axes of the rod portions 7 and 8 where these latter axes inter-As illustrated, the book 1 has stiff covers sect. The sloping axes of these pintles are 2, the book having a flexible back 3 that therefore the substantially relatively fixed 50 joins the covers and permits the back edges axes upon which the book covers turn as 105 of the covers gradually to become further the book is opened and closed. The places apart as the book opens. The book thus of union of the flexible book back 3 with the constructed is shown as having its covers book covers 2 is at the back edges of these 2 disposed within the stiff supports 4 that book covers and as these back edges are 55 have ledges 5 to engage the bottom edges above the plane that contains the axes of 110 the pintles they may spread apart as the claim as new and desire to secure by Letbook is opened, these back edges turning ters Patent the following: upon the axes of the pintles and about the 1. The combination with a book having

15 preventing further opening movement of individual. the book.

accomplish this result.

The arrangement is such that when either the upright portions of said rods to which

35 book the other rod is constrained to have upon their axes and angular portions upon

taneous opening and closing movements. While I have herein shown and partic- being between the middle and bottom of the of my invention I do not wish to be limited in closing the book. to the precise details of construction shown In witness whereof, I hereunto subscribe

45 departing from the spirit of my invention, but having thus described my invention I

points of intersection of these axes and the stiff covers; of two rods having lower up- 50 5 axes of the sloping rod portions 7 and 8. right portions which are mounted to turn It is preferred to have some limiting upon their axes and angular portions upon means to define the extent to which the book which said covers are mounted to turn, may be opened and to this end I have bolted these angular portions being symmetrically straps 16 upon the sides of the book sup-related and oblique to the normal plane of 55 ports, these straps having their lower ends the book; and two links individual to said outwardly flared and so positioned that they rods and having adjacent ends which are will engage the upright rod portions 7 when in pin and slot connection and their other the book has been opened to the predeter- ends in fixed connection with the upright mined extent, said upright rod portions portions of said rods to which the links are 60

2. The combination with a book having In order that the opening and closing stiff covers; of two rods having lower upmovements of both book covers may be right portions which are mounted to turn made substantially equal and simultaneous, upon their axes and angular portions upon 65 I employ motion transmitting means oper- which said covers are mounted to turn, these ating upon and operated by either cover to angular portions being symmetrically related and oblique to the normal plane of the In the preferred embodiment of the in- book, the upright portions of said rods bevention links 17, 18 are respectively rigidly ing between the middle and bottom of the 70 secured to the upright rod portion 7, one book, whereby the weight of the book aids of these links carrying a pin 19 and the in closing the book; and two links individother being formed with a slot 20 receiv- ual to said rods and having adjacent ends ing said pin whereby the adjacent ends of which are in pin and slot connection and the links are in pin and slot connection. their other ends in fixed connection with 75 link is turned it forces opposite turning the links are individual.

movement of the other link of the same de- 3. The combination with a book having gree so that when either book supporting stiff covers; of two rods having lower uprod is turned in opening or closing the right portions which are mounted to turn 80 similar turning movement in an opposite which said covers are mounted to turn, direction so that both book covers are con- these angular portions being symmetrically strained to substantially equal and simul- related and oblique to the normal plane of the book, the upright portions of said rods 85 ularly described the preferred embodiment book, whereby the weight of the book aids

as changes may readily be made without my name this 11th day of May A. D. 1921. 90

CHRISTOPHER S. BOOTH.