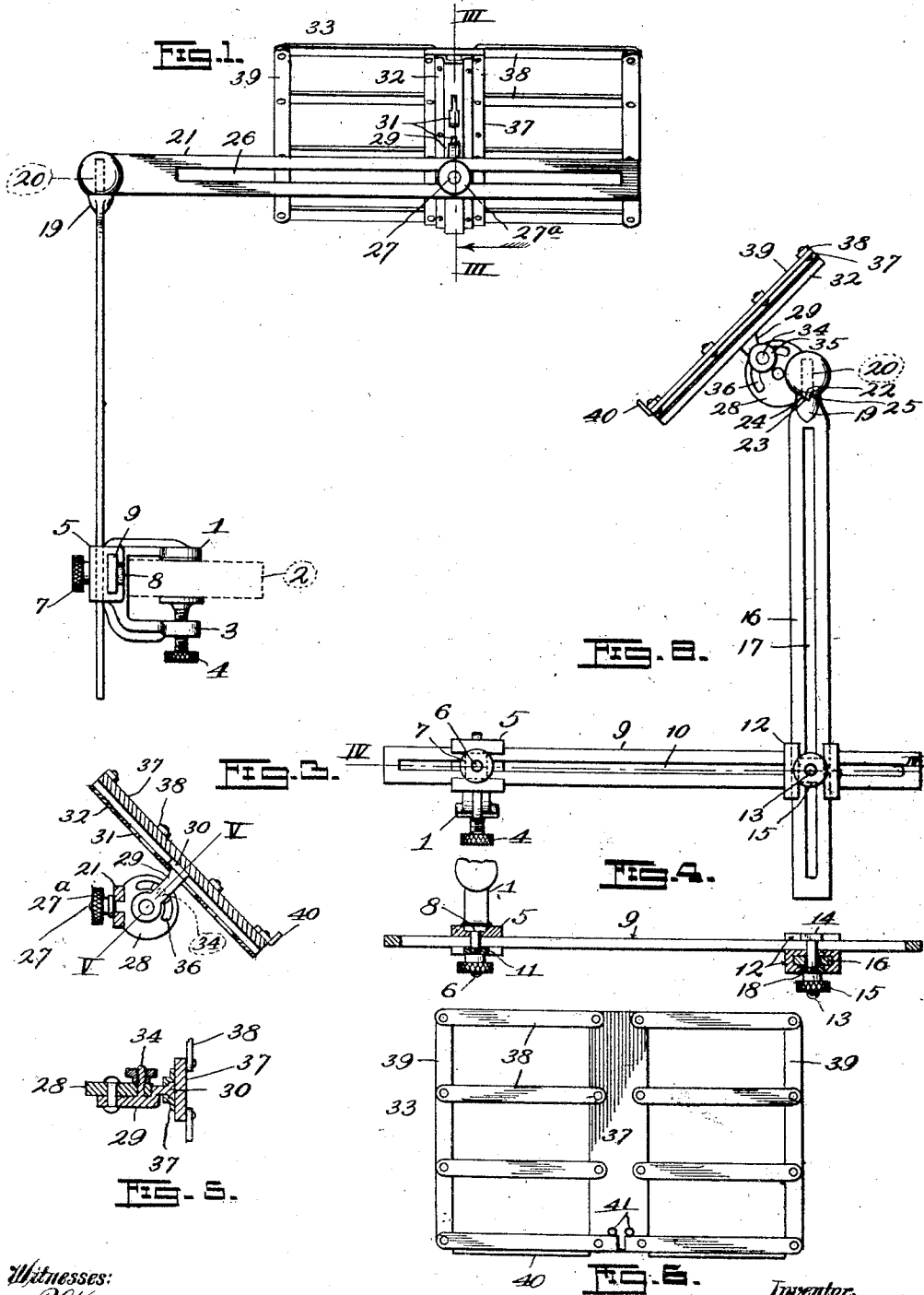


C. B. FRENCH.  
 ADJUSTABLE KNOCKDOWN BOOK SUPPORT.  
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1,037,140.

Patented Aug. 27, 1912.



Witnesses:  
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 By *F. J. Fischer*  
*Att.*

# UNITED STATES PATENT OFFICE.

CHARLES B. FRENCH, OF TONGANOXIE, KANSAS.

ADJUSTABLE KNOCKDOWN BOOK-SUPPORT.

1,037,140.

Specification of Letters Patent. Patented Aug. 27, 1912.

Application filed March 19, 1912. Serial No. 684,670.

To all whom it may concern:

Be it known that I, CHARLES B. FRENCH, a citizen of the United States, residing at Tonganoxie, in the county of Leavenworth and State of Kansas, have invented certain new and useful Improvements in Adjustable Knockdown Book-Supporters, of which the following is a specification.

My invention relates to improvements in adjustable knockdown book supporters, and one of my objects is to produce a simple and inexpensive device of this character, which may be adjusted forward or backward and upward or downward to suit the convenience of the reader.

A further object is to provide a device of this character which may be readily attached to the arm or seat of a chair, or the side of a cot, and which may be knocked down into compact form when not in use.

Other objects of the invention will hereinafter appear, and in order that said invention may be fully understood, reference will now be made to the accompanying drawing, in which:

Figure 1 is a rear elevation of the device set up ready for use. Fig. 2 is a side elevation of the device. Fig. 3 is a section of a book holder, forming part of the device, on line III—III of Fig. 1. Fig. 4 is a horizontal section on line IV—IV of Fig. 2. Fig. 5 is a section on line V—V of Fig. 3. Fig. 6 is a plan view of the book holder.

In carrying out the invention, I employ a clamp 1, which may be readily secured to any suitable support 2, for instance, such as the arm or seat of a chair, or the side of a cot, and said clamp comprises a yoke 3, a set-screw 4, and a horizontal slideway 5, provided with a bolt 6 having a thumb-nut 7. Bolt 6 has a rectangular head 8 countersunk in the rear side of slideway 5, so that said bolt will not rotate with the thumb-nut 7 when the same is screwed up thereon.

9 designates a horizontal arm slidably-arranged in the slideway 5 and having a longitudinal slot 10 through which bolt 6 extends. Bolt 6 is provided with a rectangular washer 11 interposed between the thumb-nut 7 and the adjacent side of arm 9, to protect the latter from being marred when said thumb-nut 7 is screwed up to lock the arm 9 at any point of its adjustment in the slideway 5.

12 designates a vertically-arranged slide-

way adjustably-mounted upon arm 9 so that it may be slid forward or backward thereon. Said slideway 12 is provided with a bolt 13, extending therethrough and through slot 10, said bolt being provided with a rectangular head 14 (Fig. 4) engaging the rear side of arm 9 and the rear portion of the slideway 12, so that it will not turn with a thumb-nut 15, engaging its outer threaded end.

16 designates a vertically-extending arm adjustably-mounted in the slideway 12 and having a longitudinal slot 17, through which bolt 13 extends, said bolt having a rectangular washer 18 interposed between nut 15 and the adjacent side of arm 16 to prevent the same from being marred when the nut is screwed upon the bolt to lock slideway 12 from adjustment longitudinally of arm 9, or arm 16 from vertical adjustment in said slideway. The upper end of arm 16 has an integral boss 19 with a vertically-extending pintle 20 upon which a horizontal arm 21 is swiveled, said arm having a lug 22 adapted to enter a corresponding notch 23 in the upper portion of boss 19.

Arm 21 normally extends at a right angle to arm 19, but owing to the inclined side 24 of lug 22, it may be swung backward out of the way of the reader when the latter desires to rise from the chair or cot, to which the device is attached. Said arm 21, however, cannot swing forward beyond its normal position, owing to the abrupt shoulder 25 of lug 22, striking the corresponding wall of the notch 23. This feature is especially desirable when the device is attached to a rocking-chair, as backward movement of the latter cannot cause the arm 21 to swing forward on its pivot, against the reader.

Arm 21 has a longitudinal slot 26 to receive the threaded stud 27 of a plate 28, provided with a finger 29, pivotally secured at one end to said plate and provided at its opposite end with a T-shaped terminal 30, adapted to engage any of the key-hole slots 31 in a sheath 32, secured to the rear side of a book-holder 33.

Book-holder 33 may be adjusted to any desired pitch or inclination by swinging the finger 29 on its pivot, and locked at any point of its adjustment by a stud 34 and a thumb-nut 35, which latter engages the former and one side of plate 28, which has a segmental slot 36, through which stud 34 projects. Stud 27 is provided with a thumb-

nut 27<sup>a</sup> adapted to bear against one side of arm 21 to lock said stud at any point of its adjustment in slot 26.

Book-holder 33 is collapsible so that it may be folded into compact form, and comprises a back-plate 37, links 38, pivotally-secured at their inner ends to said back-plate, and connecting-bars 39 pivotally-connecting the outer ends of said links, the lower pair of which have flanges 40 extending at right angles thereto to prevent a book or sheet of music sliding off the holder. Links 38 are free to fold upward on their pivotal connection with back-plate 37, but cannot swing below a horizontal position owing to a pair of stops 41 projecting from the back-plate into the path of the inner ends of the two lowermost links 38.

Operation: When it is desired to adjust the holder 33 toward or away from the reader, nut 7 is loosened so that arm 9 may be slid in the desired direction in the slideway 5, or this adjustment may be had by loosening nut 15 and moving slideway 12 and arm 17 forward or backward. Vertical adjustment is had by loosening nut 15 and sliding arm 16 upward or downward in the slideway 12. Book holder 33 may be adjusted longitudinally of arm 21 to bring it directly in front of the reader by loosening the thumb-nut 27<sup>a</sup>, and further vertical ad-

justment of said book holder 33 may be had through the intermediacy of the T-shaped terminal 30 and the key-hole slots 31.

The device may be readily placed in knockdown form by releasing the various thumb-nuts and disconnecting the arms from each other and their respective slideways.

Having thus described my invention what I claim and desire to secure by Letters Patent, is:

In a device of the character described, a suitably-supported horizontal arm having a slot therein, a plate provided with a threaded stud extending-loosely through the slot in said arm so that it may be adjusted longitudinally of said slot, a thumb-nut engaging said threaded stud to lock the same at any of its adjusted positions, a finger pivotally-secured to said plate so that it may be adjusted up or down, means on said finger to engage the plate to lock said finger at any of its adjusted positions, and a book holder adjustably-mounted upon the free terminal of said finger.

In testimony whereof I affix my signature, in the presence of two witnesses.

CHARLES B. FRENCH.

Witnesses:

JOSEPH E. STIGERS,  
WILLIAM MYERS.