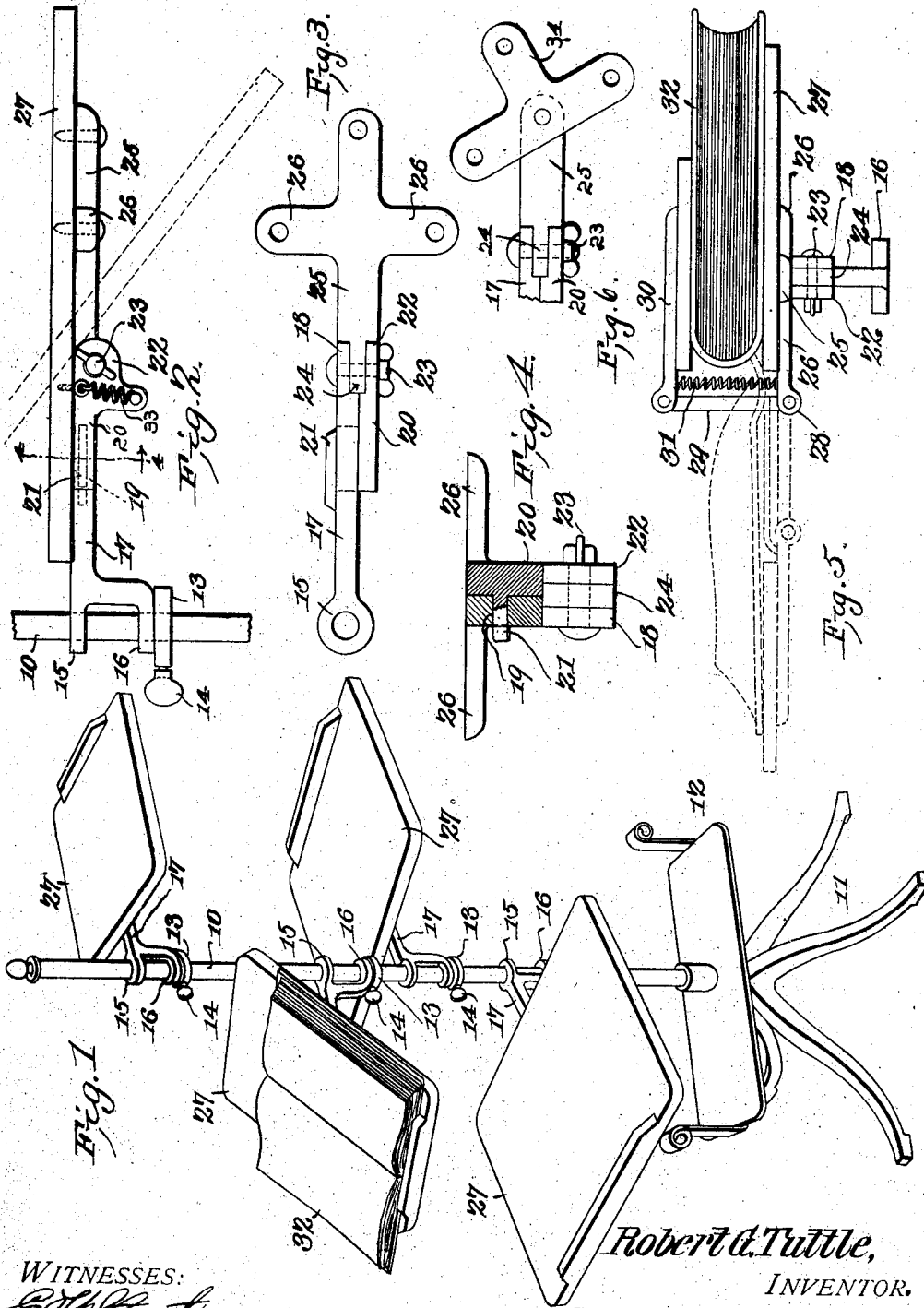


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PATENTED DEC. 25, 1906.

R. G. TUTTLE.
BOOK STAND.

APPLICATION FILED JAN. 8, 1906.



WITNESSES:

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ROBERT GAMEWELL TUTTLE, OF BREVARD, NORTH CAROLINA.

BOOK-STAND.

No. 839,339.

Specification of Letters Patent.

Patented Dec. 25, 1906.

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To all whom it may concern:

Be it known that I, ROBERT GAMEWELL TUTTLE, a citizen of the United States, residing at Brevard, in the county of Transylvania and State of North Carolina, have invented a new and useful Book-Stand, of which the following is a specification.

This invention relates to book-stands of the class wherein the books are supported upon holding devices movably and adjustably connected to a standard, and has for its object to improve the construction and increase the efficiency of devices of this class.

With these and other objects in view, which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation.

Figure 1 is a perspective view of the improved device. Fig. 2 is a side elevation of one of the adjustable brackets and its supporting-shelf. Fig. 3 is a plan view of the same with the shelf removed. Fig. 4 is a transverse section, enlarged, on the line 4 4 of Fig. 2. Fig. 5 is an end view illustrating a modified construction of portions of the device. Fig. 6 is a plan view of a portion of one of the brackets, illustrating another modification in the construction.

The improved device is designed more particularly for supporting reference-books, atlases, and similar large and bulky volumes in convenient position for use by a person without leaving his seat; and it consists in general of a standard having a plurality of brackets slidable and rotative thereon, each bracket carrying a book-supporting shelf swinging vertically thereon, so that the book may be tilted to any desired angle or adjusted to any desired height for the convenience of the reader.

The standard portion of the device consists of a circular staff 10, preferably tubular, having a supporting foot or brace 11 and preferably with a stationary book-shelf 12 of any approved design or size. Slidable upon the standard 10 are a plurality of collars 13, each with a set-screw 14, whereby they may be coupled to the standard at any

desired point. Rotatively supported upon each collar is a bracket formed with spaced collars 15 16 and laterally-extending arm 17, the latter being provided with a vertical perforated ear 18 and a longitudinal slot 19. Bearing against each arm 17 is a plate 20, having a lateral stud 21, having a terminal hook for engaging the slot 19, and with a vertically-extending perforated ear 22, spaced from and corresponding to the ear 18, so that a clamp-screw 23 may be passed through both ears. The body of the stud 21 fills the slot 19, and thus prevents vertical movement of the plate 20, while the terminal hook on the same by bearing against the opposite side of the bracket effectually prevents lateral movement of the arm. One clamp-screw 23 only, therefore, is required to hold the plate in position. Fitting between the ears 18 22 is an ear 24, extending from an arm 25, the latter having lateral branches 26 and supporting the shelf 27. The clamp-screw 23 thus extends through the three ears and provides means whereby the arm 25, with its shelf 27, may be adjusted vertically to any desired angle relative to the arm 17 and maintained at any desired adjusted position.

Any desired number of the adjustable brackets and their shelves may be employed upon the standard, and the shelves may be of any required size or form, corresponding to the sizes or forms of the books or other articles to be supported.

The improved device enables a person sitting at a desk or table to bring any desired book or other article within easy reach and quickly adjust the shelf containing it to any desired angle convenient to the eye and without the necessity for handling the volume or moving from his seat.

In Fig. 5 one of the lateral branches 26 of the arm 25 is provided with ears 28, in which a link 29 is pivoted, the link carrying a bar 30, swinging from its free end. A spring 31 connects the bar 30 and branch 26 and operates to hold the bar 30 yieldingly in engagement with the book, (represented at 32.) By this means the book is maintained yieldably in closed position upon the shelf and easily opened when required, the spring yielding to the slight force required to open the book. Then when the book is closed the bar 30 will follow the movable portion of the book and cause the shelf member to constantly bear thereon and hold the book in closed position

and prevent accidental displacement. A small spring 33 is connected between the shelf 27 and the plate 20 to hold the shelf yieldably in closed position and to return the book to its horizontal position after using. The branch portion 26 of the swinging member 25 is preferably swiveled upon said member at 34, as shown in Fig. 6, to increase the convenience of the device.

10 Having thus described the invention, what is claimed is—

15 1. In an adjustable book-stand, a standard, a bracket rotatively and adjustably disposed upon said standard and provided with a vertical ear at the free end and a transverse slot intermediate the ends, a plate having a stud engaging said slot and an ear spaced from the ear of said bracket, an arm extending at one end between said spaced ears and

carrying a book-support, and a clamp-bolt 20 operating through said ears and the portion of the arm between them.

2. In an adjustable book-stand, a standard, a bracket rotatively and adjustably disposed upon said standard, an arm swinging 25 from said bracket and carrying a book-support, a bar adapted for bearing upon the book when disposed upon said support, a link movably coupling said bar and arm, and a spring operating to hold said bar in closed 30 position.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ROBERT GAMEWELL TUTTLE.

Witnesses:

T. T. LOFTIS,
T. B. SUMMEY.