No. 822,191. PATENTED MAY 29, 1906.

J. C. DANA.

BOOK SUPPORT.

APPLICATION FILED MAY 27, 1905.

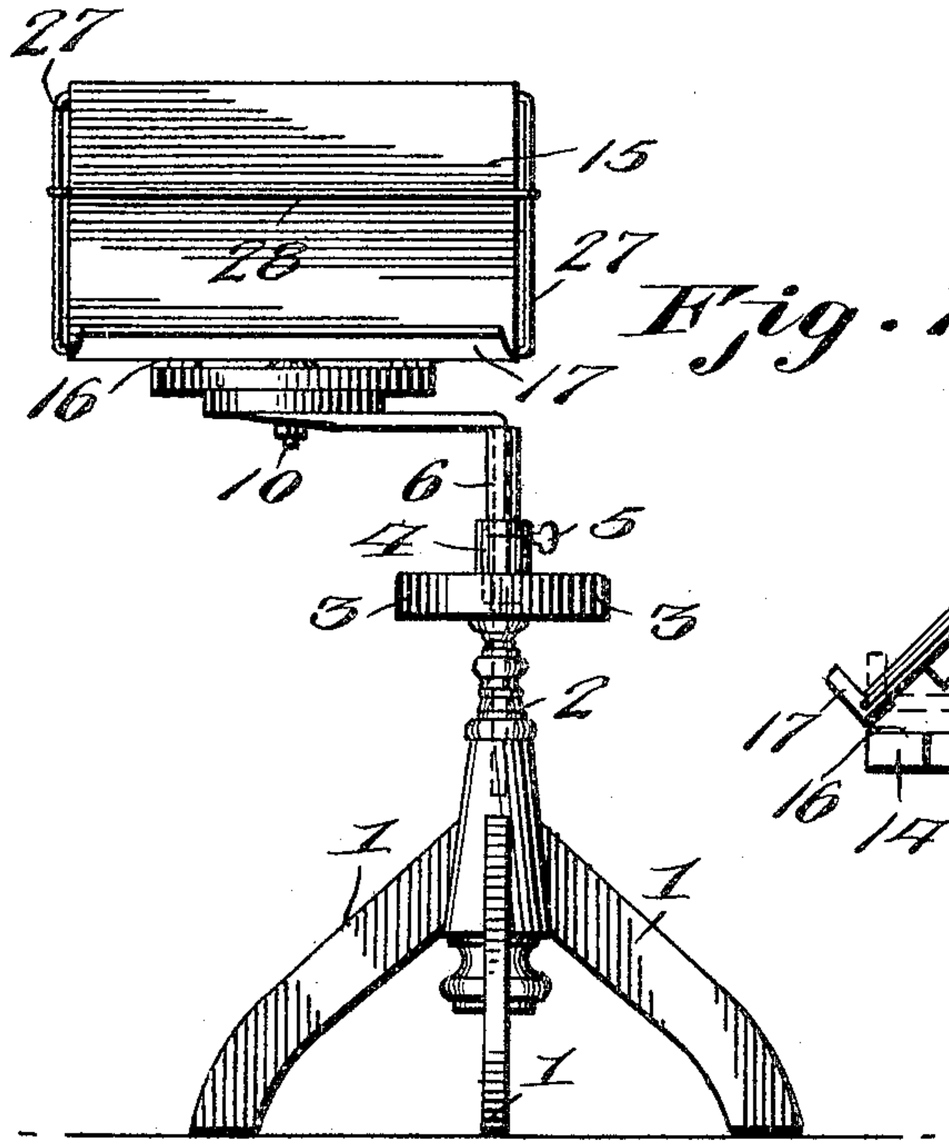


Fig. 1.

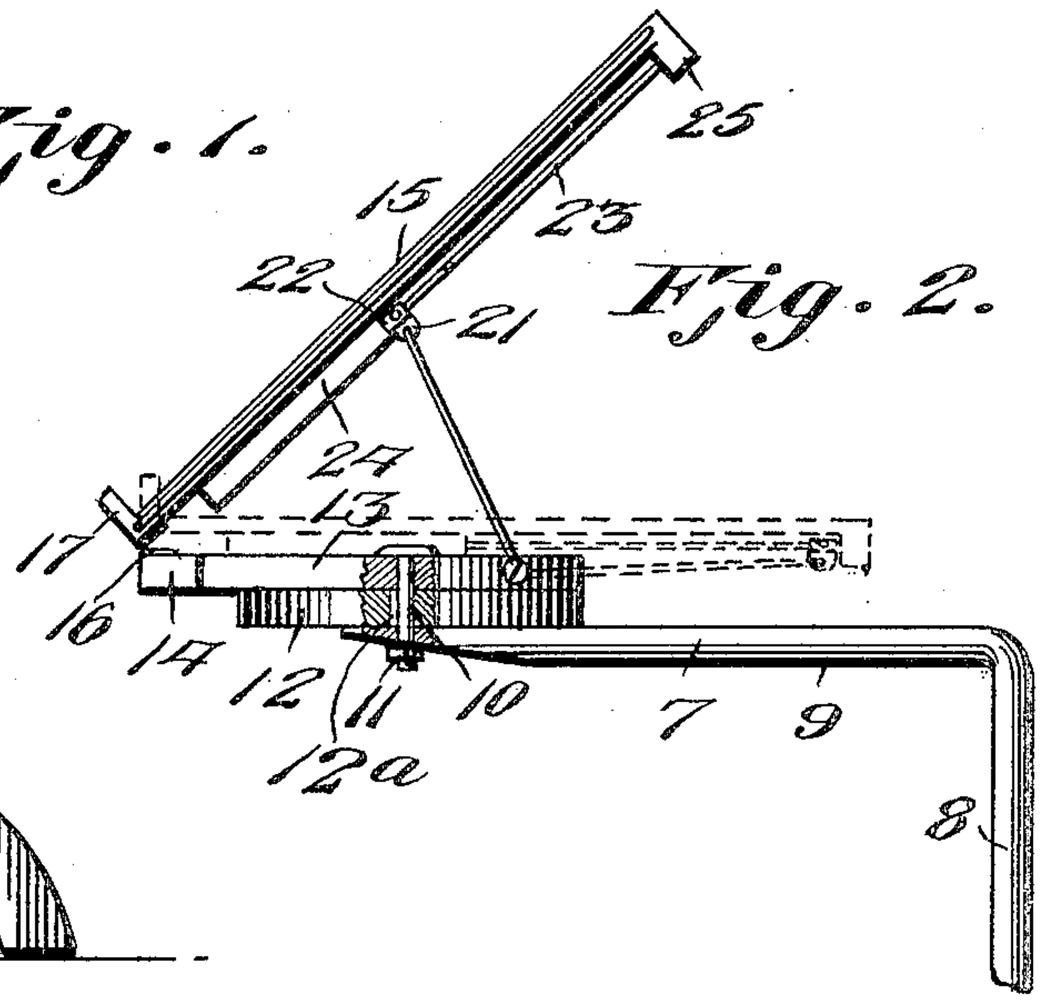
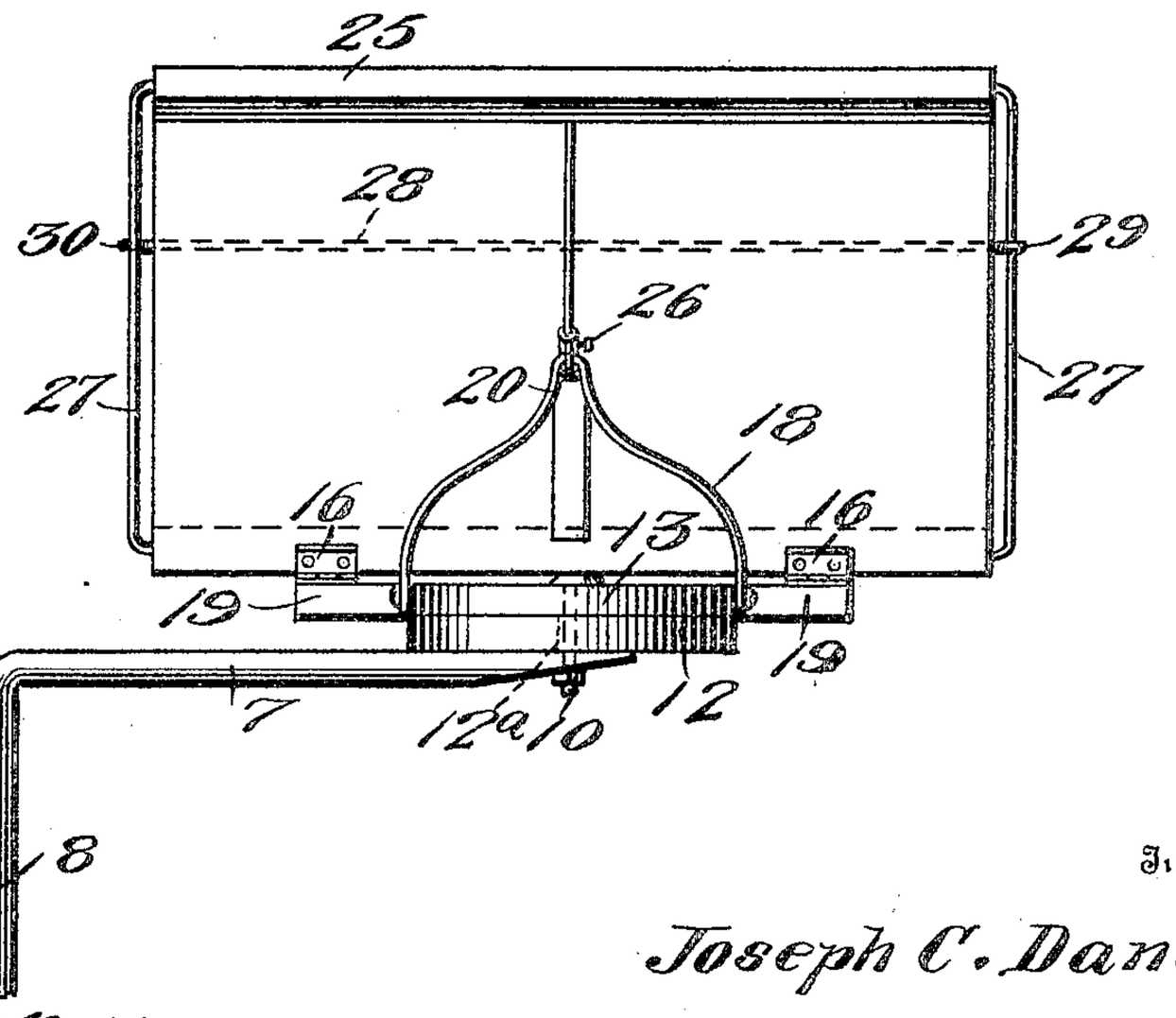


Fig. 2.

Fig. 3.



Witnesses

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BOOK-SUPPORT.

No. 822,191. Specification of Letters Patent. Patented May 29, 1906.

Application filed May 27, 1905. Serial No. 262,631.

To all whom it may concern:

Be it known that I, JOSEPH C. DANA, a citizen of the United States of America, residing at Modesto, in the county of Stanislaus and State of California, have invented new and useful Improvements in Book-Supports, of which the following is a specification.

This invention relates to improvements in book and analogous supports, and has for its object to provide a support of this character which is simple of construction and readily adjustable to a variety of positions to hold a book, atlas, sheet-music, or "copy" matter at the elevation and angle best suited for the convenience of the reader, student, or copyist.

The preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of the complete support. Fig. 2 is a side elevation, on an enlarged scale, of the support proper, its rotary head, and swiveled bracket; and Fig. 3 is a rear elevation of the parts shown in Fig. 2.

Referring now more particularly to the drawings, the numeral 1 represents a suitable base or supporting-frame provided with a hollow standard 2, carrying at its upper end a table 3. The table 3 is provided with an opening in alinement with the bore of the standard, and fixedly mounted in this opening and projecting above the table is a collar 4, carrying a set-screw 5. Mounted in the collar is a bearing-sleeve 6, which is vertically adjustable therein and adapted to be secured in adjusted position by the set-screw 5. Journaled in the said bearing-sleeve is a swiveled bracket 7 of angular form, that shown in the present instance being L-shaped, the vertical arm 8 of the bracket being journaled in the sleeve 6 and projecting downward therefrom into the bore of the standard 2, said standard adapted to be raised and lowered to any desired elevation within defined limits through the adjustability of the collar 6, against the upper end of which the horizontal arm 9 of said bracket rests.

The free end of the horizontal arm 9 is provided with a flattened upper face and a beveled lower face and is apertured for the passage of a combined pivot and securing bolt 10, provided with a securing-nut 11, which engages the beveled face of the arm 9. Mounted on the flattened upper face of the arm 9 is a supporting-head comprising a lower stationary disk 12 and an upper rotatable disk 13, said disks having alined central openings for the passage of the bolt 10, which holds them fixed to the arm 9 and maintains the disk 13 in adjusted position. As shown, the disk 12 is fixed against rotation on the bolt 10 by a key or feather 12^a. The lower disk 12 is circular in form, while the disk 13 has a circular or substantially circular body portion formed at one side with a flattened face and laterally-extending lugs 14, said face and lugs constituting a supporting cross-bar to which the lower edge of the book-support proper, 15, is hinged, as shown at 16. The support 15 comprises a rectangular board or plate provided at its lower edge with a ledge 17, serving as a bottom rest for the book or other matter to be supported. By means of the vertical adjustability of the bracket 7 the lateral adjustability of the same through its swiveled connection with the bearing-sleeve 6 and the lateral or rotary adjustability of the disk 13 the support 15 may be elevated and turned to any desired height or angle to best suit the convenience of the user.

A bail-shaped brace 18 is provided to support the supporting member 15 at any desired angle and is pivoted at the ends of its arm upon diametrically opposite sides of the disk 13, as shown at 19, and provided with a looped central portion 20, pivotally engaging a lug or eye 21 on a guide-sleeve or runner 22, adjustable on a guide-rod 23, secured to the under side of the support 15 and extending about midway of the length of the latter to the upper end thereof. The rod 23 is fixed at its ends in blocks or cleats 24 and 25, formed on or secured to the support, and is spaced thereby from said support, said blocks or cleats serving as stops to limit the movements of the runner, which latter is provided with a set-screw 26 to secure it in adjusted position at any point along the length of the rod. This construction not only permits the support 15 to be held at any desired angle, but adapts it to fold down parallel with the head, as shown in dotted lines in Fig. 2, for convenience in packing the device for storage or shipment and disposing the parts in small compass when the device is not in use.

In order to hold the leaves of the book or other matter supported by the holder 15, the latter is provided upon its side edges with guide-rods 27, coöperating with a cross-rod 28. The rod 28 extends across the front of

the holder or support 15 and is adapted to hold the leaves of the book or sheets of copy matter in proper position and is pivotally connected at one end, as indicated at 29, to one of the guide-rods 27 and provided at its opposite end with a hook 30 to engage the opposite guide-rod 27. This construction permits the transverse holding-rod 28 to be swung outward from the holder or support to admit the book or leaves between the same and said support and then to be turned back and secured in position to hold the book open at the desired point or clamp loose leaves or sheets against the front of the support.

From the foregoing description, taken in connection with the accompanying drawings, the construction and mode of operation of the device will be readily understood, and it will be seen that it provides a support which is readily adjustable in the most convenient manner to suit the convenience of the user and is adapted to be employed for supporting books, sheet-music, maps to be copied, and any other desired written or printed matter to be secured in position for consultation or inspection.

Having thus described the invention, what is claimed as new is—

1. In a support of the character described, the combination of a hollow standard, a bracket vertically adjustable therein and mounted for rotary movement, means for securing the bracket in adjusted position, a head rotatably mounted upon the bracket, a holder hinged to the head, a guide member carried by the holder, a runner adjustably mounted on the guide member, and a hinged brace connecting the runner with the head.

2. In a support of the character described, the combination of a hollow standard, a bearing-sleeve vertically adjustable therein, means for securing the bearing-sleeve in adjusted position, an angular bracket having vertical and horizontal arms, the vertical arm being journaled in said sleeve and the horizontal arm resting thereon, a head rotatably mounted on the horizontal arm of the bracket, a holder hinged to the head, a guide member carried by the holder, a runner adjustably mounted on the guide member, and a hinged brace connecting the runner with the head.

3. In a support of the character described, the combination of a bracket, a head rotatably mounted thereon, a holder hinged to the head, a guide member carried by the holder, a runner adjustably mounted on the guide member, and a hinged brace connecting the runner with the head, substantially as described.

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

JOSEPH C. DANA.

Witnesses:
W. H. RICE,
H. B. RICE.