No. 774,984. PATENTED NOV. 15, 1904.

B. R. GREEN.

BOOK SUPPORT.

APPLICATION FILED JAN. 30, 1904.

NO MODEL.

Fig. 1.

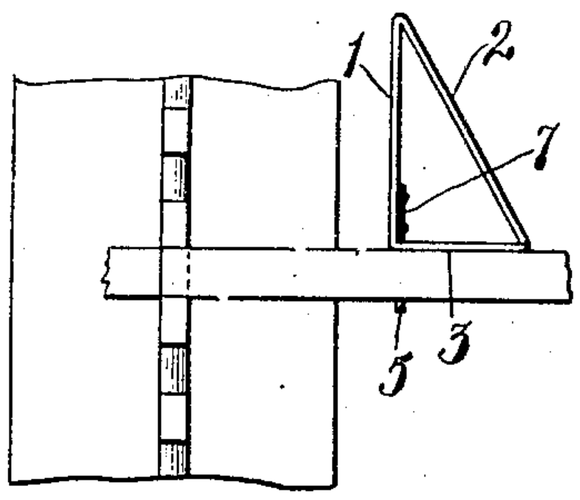


Fig. 2.

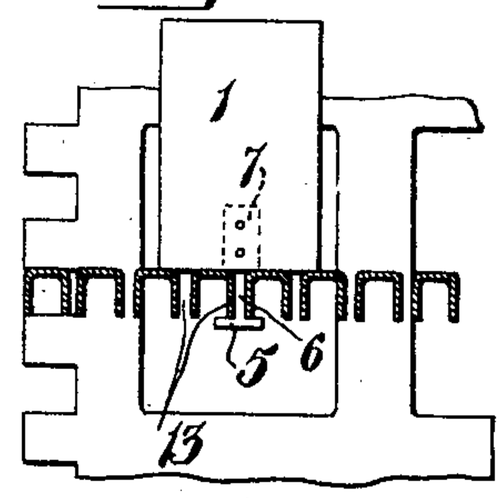


Fig. 3.

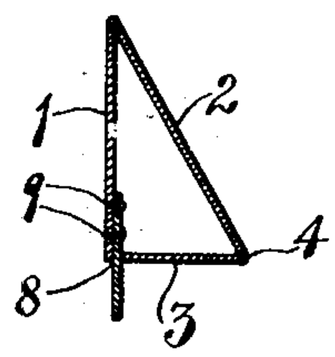


Fig. 4.

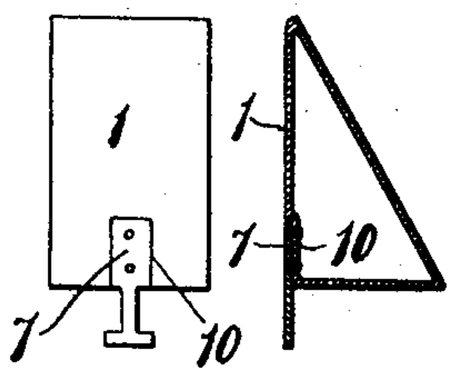


Fig. 5.

Fig. 6.

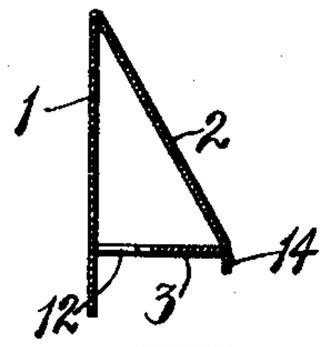


Fig. 7.

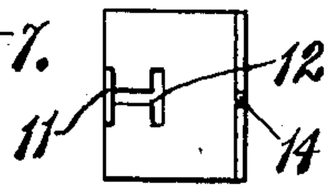
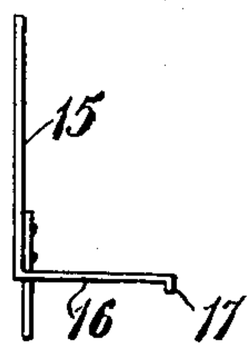


Fig. 8.



Witnesses:
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No. 774,984. Patented November 15, 1904.

UNITED STATES PATENT OFFICE.

BERNARD R. GREEN, OF WASHINGTON, DISTRICT OF COLUMBIA.

BOOK-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 774,984, dated November 15, 1904.

Application filed January 30, 1904. Serial No. 191,259. (No model.)

To all whom it may concern:

Be it known that I, BERNARD R. GREEN, a citizen of the United States, and a resident of Washington, in the District of Columbia, have invented a new and useful Book-Support, of which the following is a specification.

My invention relates to book-supports, with the object in view of providing an efficient support which may be adjusted along the shelf, provided with one or more slots therein—such, for example, as what is known in the art as a "grid-shelf" or a shelf composed of parallel bars spaced a short distance apart.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 is a view in side elevation of the support as it appears in connection with a shelf. Fig. 2 is a face view of the same. Fig. 3 is a view of the same in vertical section from front to rear. Fig. 4 is a view in detail in face elevation, showing a modified form. Fig. 5 is a vertical central section. Fig. 6 is a vertical central section showing another modified form. Fig. 7 is a bottom plan view of the same, and Fig. 8 is a view of still another modified form.

The body of the support is conveniently formed of a strip of thin metal bent into the shape of a right triangle.

1 denotes the perpendicular of the triangle, forming the face of the support against which the book presses. 2 denotes the hypotenuse of the triangle, forming the back of the support, and 3 denotes the base of the triangle and base of the support which is intended to rest on the shelves. The ends of the strip of metal may be united at 4 by solder or any suitable interlocking means of well-known or approved form. The body of the support thus formed is provided with a depending locking T, the cross-head of which is denoted by 5. (See Fig. 2.) The narrowed shank, which extends through the space between the consecutive bars of the shelf or through a slot in the shelf when a solid shelf is used, is denoted by 6, and the broader part of the shank, which is fixed to the upright 1 of the support, is denoted by 7.

In the form represented in the Figs. 1, 2, and 3 the part 7 of the T-lock is projected upwardly through a slot 8 in the base 3 in proximity to the back of the upright 1 and is fixed to the upright 1, as shown at 9, leaving the face of the upright 1 of the support flush and without obstruction throughout its entire extent.

In the form shown in Figs. 4 and 5 the front 1 of the support is provided with a depression 10, which may be formed by striking the metal inwardly from the face, as shown in Fig. 5, and the part 7 of the T-lock is placed in said depression 10 and secured to the front 1 as before, leaving the face of the support flush, the front face of the T-lock being in the same plane as the front face of the part 1.

In the form shown in Figs. 6 and 7 the T-lock (denoted by 11) is struck from the base 3, leaving the latter provided with a T-slot 12, the lock 11 being bent downwardly away from the base, as shown at Fig. 6, into alinement with and forming an extension of the front 1. In this form the body and lock of the support are formed in one integral piece.

In placing the support in its proper relation to the shelf the support is first turned at right angles to the position which it is to finally occupy, and the cross-head 5 of the T-lock is passed downwardly through the slot or opening 13 in the shelf, and when the head reaches a point below the bottom of the shelf the support is swung around into the position shown in Fig. 1, with its face toward the line of books, and this brings the locking-head 5 into the position shown in Fig. 2 with respect to the shelf, so that the support 1 is prevented from vertical displacement.

It has been found in practice that the pressure of the line of books is invariably against the upper portion of the support rather than against its base, so that the tendency is to tilt the support over backwardly, and this tendency causes the head 5 of the T-lock to bite against the under side of the shelf, and thus prevent the support from sliding longitudinally along the shelf under pressure. The support may, however, be slid with perfect freedom by pressing on its back toward and away from the line of books to adjust it as may be desired.

In some instances it may be found desirable to provide the lower end of the back of the support with a trailing lug entering a short distance into the slot in which the T-lock slides to prevent the support from lateral displacement, and when such an arrangement is desired the central part of the hypotenuse 2 of the support may be extended in the form of a narrow lug 14 below the base 3, as shown in Fig. 6, and then bent into alinement with the T-lock, and when the support is set up for use, as shown in Fig. 1, this lug 14 will rest in the upper portion of the slot 13 in the shelf.

In some instances a simple L form, as shown in Fig. 8, may be the upright employed, and this would be simply omitting the hypotenuse 2, which forms a strengthening-brace for the upright 1.

By making the metal a little heavier an upright 15 may stand the pressure of the books, and as in this case the trailing lug is found desirable the base 16 may have its end reduced and a central lug 17, similar to the lug 14, turned downwardly to enter the slot in the shelf, while the T-lock may be fixed to the upright 15 in a manner quite similar to that shown in Fig. 1.

What I claim is—

1. A book-support comprising a strip of sheet metal bent to form the three sides of a right triangle, viz: perpendicular, hypotenuse and base, and a T-lock projecting downwardly from the perpendicular side of the triangular strip.

2. A book-support comprising an upright, a base, a T-lock projecting below the base and fixed to the support in proximity to the front of the support and a trailing lug depending from the base in proximity to the rear end of the base.

3. A book-support comprising an upright, a base, and a T-lock struck from the base and bent into an upright position.

4. A book-support comprising a strip of metal bent into triangular form, a T-lock partially severed from the base and bent into an upright position with respect thereto and a depending trailing lug formed on one of the ends of the strip.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 27th day of January, 1904.

BERNARD R. GREEN.

Witnesses:
GEO. N. FRENCH,
JOHN Q. SHEEHY.