April 13, 1926. 1,580,256

H. C. KEELER

BOOK CARRIER

Filed May 18, 1925

Fig. 1.

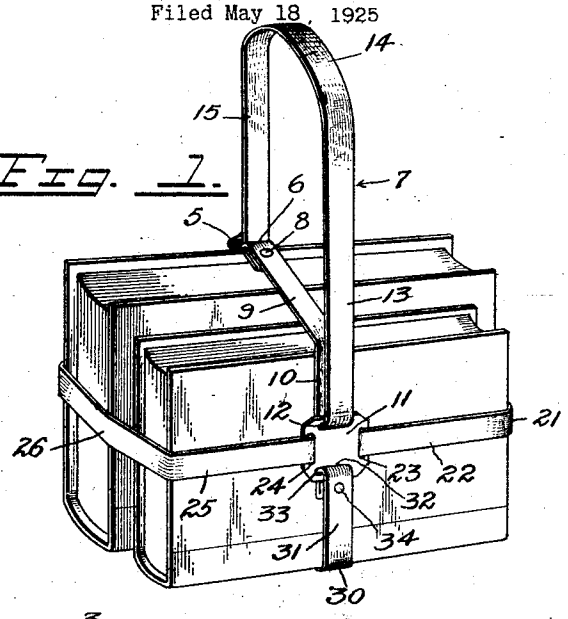
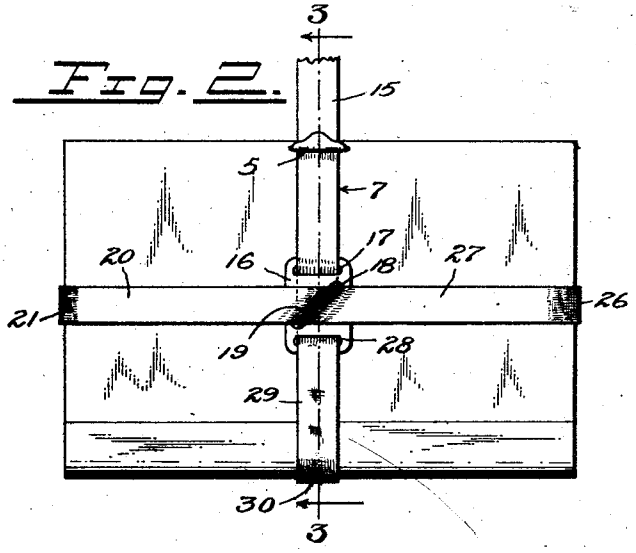


Fig. 2.



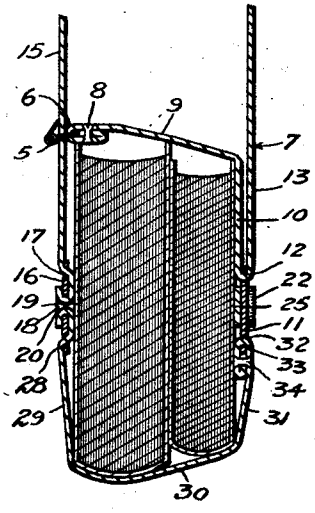


Fig. 3.

Fig. 4.

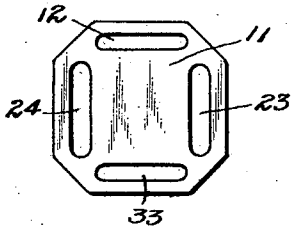
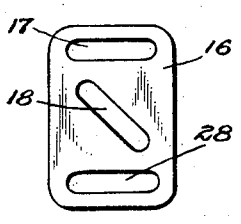


Fig. 5.



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UNITED STATES PATENT OFFICE.

HENRY C. KEELER, OF RETSIL, WASHINGTON.

BOOK CARRIER.

Application filed May 18, 1925. Serial No. 30,965.

To all whom it may concern:

Be it known that I, HENRY C. KEELER, a citizen of the United States, residing at Retsil, in the county of Kitsap and State of Washington, have invented a certain new and useful Improvement in Book Carriers, of which the following is a specification.

This invention relates to book carriers and is particularly adaptable for use in carrying books by school children and students in general. The principal objects of the invention are to provide a book carrier that is made of a single strap and which may be readily adjusted for carrying different sizes and different numbers of books. Other objects are to provide means whereby the books are cinched horizontally as well as vertically thus furnishing double security and rendering it a practicable impossibility for the books to fall out. Further objects are to provide a carrier that is simple and durable in construction, reliable and efficient in use, and which may be manufactured at comparatively small cost.

With the above and other objects in view which will appear as the description proceeds, the invention consists of the novel construction, adaptation, combination and arrangement of parts hereinafter described and claimed. These objects are accomplished by devices illustrated in the accompanying drawings, wherein—

Figure 1 is a view in side perspective showing the carrier with books secured therein;

Fig. 2 is a view in elevation showing the opposite side of the same;

Fig. 3 is a view in vertical section taken substantially on a broken line 3, 3 of Fig. 2;

Fig. 4 is a detail view in elevation of the adjustable four slot plate; and

Fig. 5 is a similar view of the adjustable three slot plate.

Referring to the drawings throughout which like reference numerals designate like parts, the numeral 5 indicates a buckle clasp secured to one end 6 of the strap designated as a whole by the numeral 7. It will be understood that the entire strap 7 is made in one single piece. The end 6 is passed through the rear end of the buckle 5, doubled under itself, and secured by a rivet 8 as clearly shown in Fig. 3 of the drawings.

From the buckle 5 the strap 7 passes over the top of the books at 9 and downwardly at 10 to the four slot plate 11. Said strap passes through the upper slot 12 of said plate and thence upwardly at 13. At 14 the strap forms a loop for carrying by hand, and then passes downwardly at 15 through the clasp end of the buckle 5 to the three slot plate 16.

At the plate 16 the strap passes through an upper slot 17 and then outwardly through the middle slot 18. Said middle slot is disposed at an angle of substantially forty-five degrees so that in passing through same the strap is deflected at an angle of substantially ninety degrees from the vertical portion 15 at 19 and passes horizontally at 20 and around the end at 21 and then at 22 same passes to the four slot plate 11.

Passing inwardly through a slot 23 and partly under the plate 11 the strap continues horizontally and passes out through a slot 24 in said plate. From said slot the strap passes horizontally around the sides and ends of the books at 25, 26 and 27 to the plate 16.

Here the strap is again passed through the slot 18 where it is deflected downwardly at an angle of substantially ninety degrees from the horizontal portion 27 coming out through the lower slot 28 and continuing downwardly at 29. Said strap passes under the books at 30, thence upwardly at 31 to the plate 11 where it ends at 32. The end 32 is passed through the lower slot 33 in the plate 11, doubled under itself and secured by a rivet 34.

To place the books within the carrier or to remove same therefrom it is simply necessary to pull upwardly on the portion 9 taking in some slack from the loop 14. It will be obvious that a roll of paper, rule or other object may be inserted under the portion 9 and carried securely.

In order to adjust the strap for larger books the buckle 5 is moved upwardly and by pulling on the portion 20 the portion 15 is moved downwardly through the plate 16. Then by pulling on the portions 25, 26 and 27 the slack of the strap is drawn through the plate 11. Then by pulling on the portions 29, 30 and 31 the slack is again carried through the plate 16 to its end 32.

To adjust the carrier for smaller books the reverse of the foregoing operation is necessary. It will of course be understood that the slack is distributed over the different portions throughout the length of the

strap in accordance with the dimensions of the books that are to be installed therein.

It will now be apparent that I have provided a simple book carrier made of a single strap wherein complete turns are made around the books both in a vertical as well as a horizontal direction thus making it practically impossible for the books to fall out. In carrying the device by the loop 14 the weight of the books will obviously tend to tighten the hold of the strap thereon.

While I have described my device with some particularity it will be understood that I intend no limitations except insofar as may be imposed by the appended claims and that such changes may be resorted to as are within the scope and spirit of the invention.

Having thus described my invention what I claim and desire to secure by Letters Patent of the Unted States is:—

1. A book carrier comprising a strap, a clasp on one end of the strap, a four slot plate, said strap passing through said plate to form a carrying loop, and means whereby the remainder of the strap is adapted to be adjustably looped around books both in a horizontal and vertical direction.

2. A book carrier comprising a strap, a clasp on one end of the strap, a four slot plate, said strap passing through said plate and clasp to form a carrying loop and securing means for the upper portion of the books, a three slot plate, said strap passing through said three and four slot plates to form a horizontal turn around the books, and said strap passing through said three slot plate and secured at its other end to said four slot plate to complete the vertical turn around the books.

In witness whereof, I hereunto subscribe my name May A. D. 1925.

HENRY C. KEELER.