

C. F. KUHNLE.

BOOK-RACK.

No. 174,262.

Patented Feb. 29, 1876.

Fig.1.

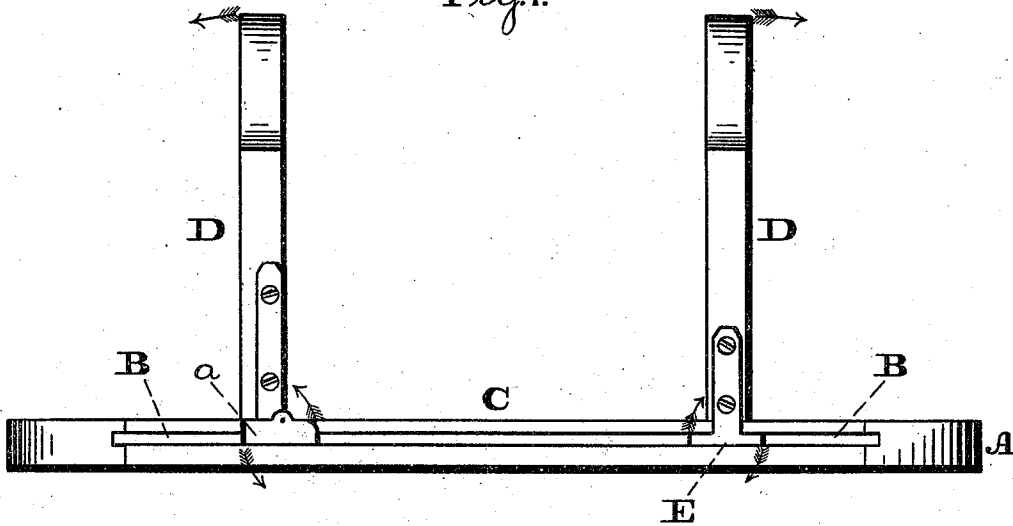


Fig.2.

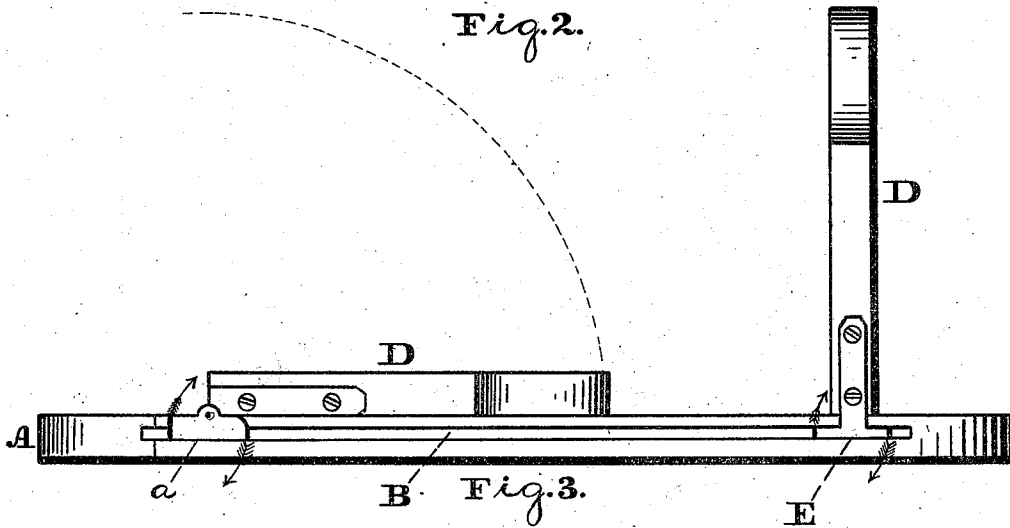
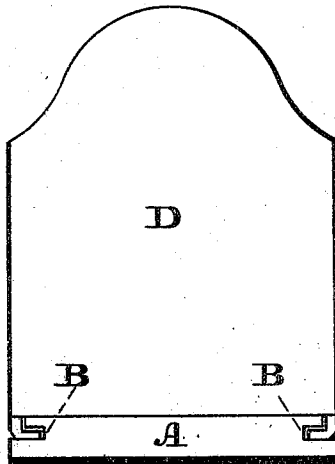


Fig.3.



Witnesses:

Lewis, F. Brown,
No. P. Grant.

Inventor:

C. F. Kuhnle,
by John A. Diederichsen
att'y.

UNITED STATES PATENT OFFICE

CHARLES F. KUHNLE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BOOK-RACKS.

Specification forming part of Letters Patent No. **174,262**, dated February 29, 1876; application filed January 5, 1876.

To all whom it may concern:

Be it known that I, CHARLES F. KUHNLE, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Book-Racks; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand, make, and use the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figures 1 and 2 are side views of the device embodying my invention. Fig. 3 is an end view.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a base having in its sides longitudinally-extending channels or ways in which are fitted transversely projecting slides secured to the lower ends of adjustable walls, between which the books are clamped, whereby the pressure of the books will cause the slides to bind on their upper and lower faces in the channels, and thus tightly confine the books until the walls are properly released. By this construction the base and walls will be left intact or solid, and there are close joints between the parts. It also consists in connecting the walls to the base by means of hinges whose butts are formed with slides which project into channels or ways extending longitudinally in the sides of the base, whereby the walls may be adjusted to various widths, and when not required for service they may be folded on the base.

Referring to the drawings, A represents the base of the rack, and B channels or ways formed in the sides C of the base in the longitudinal direction thereof. D represents two vertically-extending walls, which are connected to the base A by means of slides E, constructed of plates or bars, which project transversely or toward each other from the lower ends of the walls D, so as to fit movably into the channels C.

It will be seen that when books are placed between the two walls D, and the latter are

brought closely against the books, the pressure of the books will force out the upper ends of the walls, so that the upper and lower faces of the slides E will bind against the walls of the channels C, and thus hold the walls D in their closed position, whereby the books will be tightly confined on the rack.

When the books are to be removed, the lower end of one or both of the walls D will be drawn outwardly or from the books, whereby the binding of the slides in the channels will be overcome, and the walls will separate.

In order to permit the walls D to fold on the base A, I connect the walls and base by means of hinges, the lower butts *a* of which are formed with the slides E, so that the walls may be adjusted to various widths of books placed between them, and they will confine the books, and when the rack is not required for service or is to be packed or transported, the walls may be nicely folded on the base.

The slides will preferably form a T-head, so as to afford a large binding-surface in the channels.

It will also be seen that the slides E are formed of metal, whereby they possess the necessary strength to withstand the strain thereon, and may, therefore, be constructed of quite small dimensions without losing any advantageous features.

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

1. The solid base A, with channels B in its sides, in combination with the walls D and the inwardly-projecting metal slides E, secured to the sides of the walls, substantially as and for the purpose set forth.

2. The combination, with the channeled base A, of the walls D, hinged to the butts *a*, the latter being formed with inwardly-extending slides E, substantially as and for the purpose set forth.

CHAS. F. KUHNLE.

Witnesses:

JOHN A. WIEDERSHEIM,
A. P. GRANT.