

(No Model.)

A. J. JUDGE & T. F. FARRELLY.

BOOK CASE.

No. 303,291.

Patented Aug. 12, 1884.

Fig. 1.



Fig. 3.

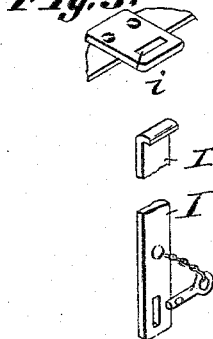
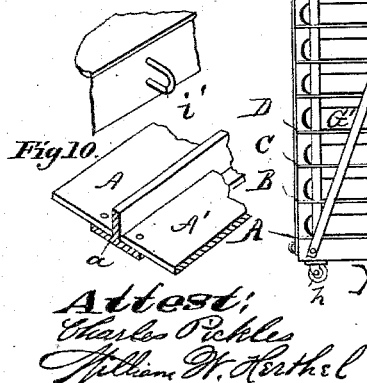


Fig. 10.



Attest:  
Charles Pickles  
William W. Herchel

Fig. 4.

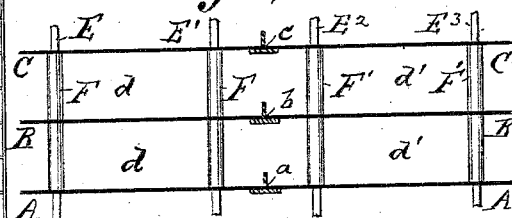


Fig. 5.

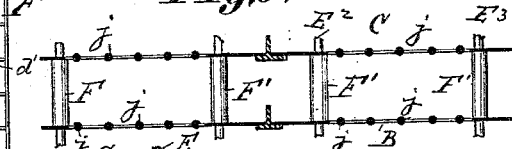


Fig. 6.



Fig. 7.



Fig. 8.



Fig. 9.



Inventors:  
Arthur J. Judge  
Thomas F. Farrelly  
per Herchel & Co  
Attys

# UNITED STATES PATENT OFFICE.

ARTHUR J. JUDGE AND THOMAS F. FARRELLY, OF ST. LOUIS, MISSOURI.

## BOOK-CASE.

SPECIFICATION forming part of Letters Patent No. 303,291, dated August 12, 1884.

Application filed October 8, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, ARTHUR J. JUDGE and THOMAS F. FARRELLY, citizens of the United States, residing at St. Louis, and State of Missouri, have invented a new and useful Book-Case, of which the following is a specification.

Our invention relates to a new construction of book-cases, racks, or shelves for the better handling, holding, preservation, orderly and safe keeping of books, public records, documents, &c., of all kinds.

We will first fully describe our invention, its manner of construction, its uses, and advantages, and hereinafter point out the novel features thereof in the claim.

In illustrating our invention, we have shown that our book-case can have part of its sections of shelves designed for the keeping of books; that these can be kept locked in their compartments; also, that the shelves can have rollers to facilitate the insertion and removal of the books; also, that sections of shelves can be provided with "pigeon-holes" or cases.

Figure 1 illustrates a front view or elevation of such a book-case. Fig. 2 is an end elevation. Fig. 3 shows the lock-bar and the parts to fasten the same at top and bottom of the book-case, and with which the books in a vertical section of shelves can be kept in a locked condition. Fig. 4 is an enlarged transverse view, taken on line 4 4, to better show how the shelves opposite each other are united to a T-shaped bar, and the rods and tubular sections of pipe to support the shelves equidistant. Fig. 5 is the same view taken on line 5 5, showing the additional features of rollers provided in each shelf. Fig. 6 is a detail section of parts that support the shelves. Figs. 7 and 8 are detail views of the kind of roller provided in the shelf. Fig. 9 shows the bearing-plates for the axis of the rollers in the shelves. Fig. 10 is a detail perspective view of the inverted-T rails to which the shelves are attached.

Similar letters refer to similar parts throughout the several views.

Our book-case, to better answer practically the purposes stated, is made of two longitudinal duplicate main sections, or front and rear shelvings, (marked X X and X' X',) as shown

in Fig. 2. These two front and rear sections are joined in the middle by T-shaped bars, and otherwise the entire shelvings or compartments shown are made of metal, supported equidistant by rods and sections of pipe; and at the opposite ends the entire book-case is braced strongly together by cross-bars, as indicated in Fig. 2. More particularly described, the construction in detail is as follows:

A A' are the bottom metal sheets or shelves, their joining edges properly riveted to a T rail or bar, *a*, extending the whole length of the book-case proper. (See Figs. 1 and 2.)

B B' are the next higher metal shelves, also having the T-rail *b* in the middle. (See Figs. 1 and 2.)

C C' represent the next higher shelves; D D' the next higher, and so on the required number, and to the desired height or size, and all having T-rails centrally located, as indicated. (See Figs. 2, 4, 5, 6.)

*d d'* represent the open space or compartments existing between all the shelves. It is in these compartments that books, records, documents, &c., can be kept. To support the respective shelves equidistant and form the compartments, the following parts have been provided:

E E' E' E' represent the system of rods extending vertically through the shelves at the points indicated, the top and bottom of each rod being secured by nuts at *e* and screw-caps at *e'*, as shown in Figs. 1, 2. Further, surrounding the vertical rods E E', &c., are sections of gas-pipe F F', their upper and lower ends forming the bearings to support the shelves. (See Figs. 1, 4, 5, 6.) The vertical rods, passing through the sections of gas-pipe, retain the latter in upright place, while the shelves are supported between the sections of gas-pipe; also the said vertical rods firmly brace the top and bottom portions of the book-case.

G G' represent, also, brace-rods placed at the opposite transverse side or ends of the book-case, and crossing each other in the middle. Their upper and lower ends are fastened to the extreme top and bottom corners of the book-case. (See Fig. 2.) These cross-rods G G' firmly brace, strengthen, and hold to-

gether the two longitudinal sections of the book-case, and render the whole strong and durable.

The bottom of the book-case is provided with caster-wheels *h*, adapting it to be portable or easily moved along the floor, and so that access to the books or contents of the shelves can be had from both front and rear sides.

Y represents books, and these are shown filling the two sections of shelves to the left of Fig. 1, although the shelves can be further subdivided into smaller compartments, pigeon-holes, or fitted to contain boxes Y', as in said figure.

The books, &c., can be kept in locked condition by hooking the upper end of a lock-bar, I, into the mortise *i* at the top of the book-case, and inserting the lower end of the lock-bar over the staple at *i'*, and using a pin or padlock to keep said lower end of the lock-bar fastened or locked. (See Figs. 1, 3.) The books are thus locked in the shelves by the lock-bars at the front and rear of the book-case. Nor can the books be removed at the ends, since the vertical rods are in the way.

*j* represents rollers having rubber faces *j'*. (See Figs. 5, 7, 8.) These rollers we provide in the shelvings for purposes of facilitating the entrance into and removal out of each compartment of the books, specially when these are of the larger class, such as are used in a recorder's office, by sheriffs, courts, and public offices, and places in general. The rollers have their axes turning in the two bearings

plates *j'' j'''*, (see Fig. 9,) these being riveted to the shelf, and the latter slotted to form a fit for the rollers so that same appear in the shelf as indicated in Figs. 1, 5.

Our improved book-case possesses the advantages of being either stationary or portable. When the latter, it is provided with caster-wheels, (see Figs. 1 and 2;) also, our book-case can be made to suit the sizes of books, records, &c., to be kept, and otherwise effects a great saving of space, time, labor, and expense in the handling and keeping of books, records, &c., of all kinds.

What we claim is—

The improved book case or rack for records, consisting of the two longitudinal front and rear sections of shelves, X X' X' X', the former section having shelves A B C, &c., arranged top of and forming compartments between each shelf, the rear section consisting of similarly-arranged shelves A' B' C', &c., all the shelves of both sections united to central T-rails, *a b c*, &c., the system of vertical rods E E' E'', the tubes or sections of pipe F F', surrounding the said rods and forming bearings to support the shelves equidistant, and the cross-rods G G', fastened at top and bottom, all constructed and combined substantially as and for the purposes set forth.

ARTHUR J. JUDGE.  
THOMAS F. FARRELLY.

Witnesses:

WILLIAM W. HERTHEL,  
JOHN W. HERTHEL.