

J. F. MASTERS.

SHELVING.

APPLICATION FILED MAR. 24, 1910.

983,075.

Patented Jan. 31, 1911.

Fig. 1.

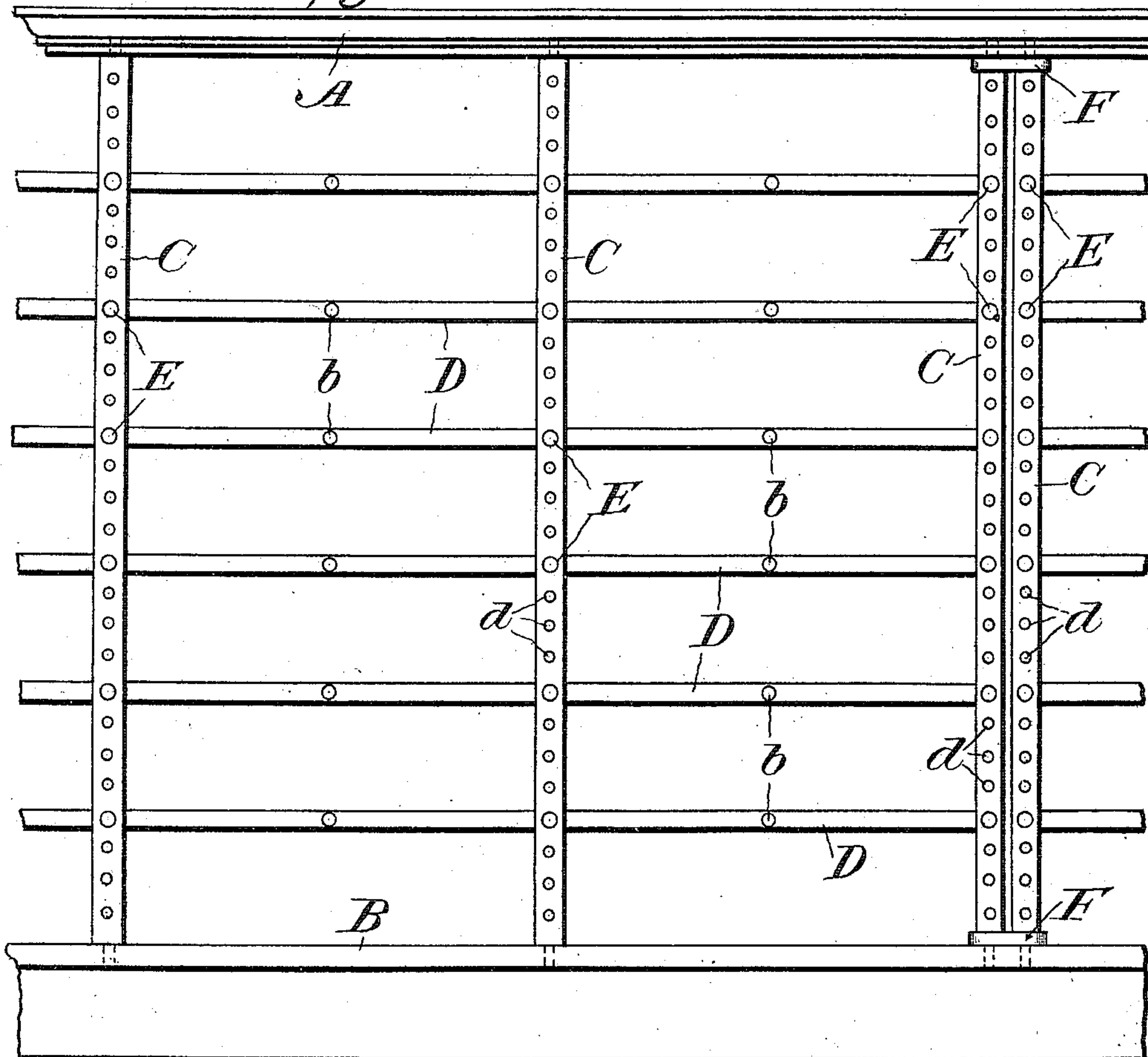


Fig. 2.

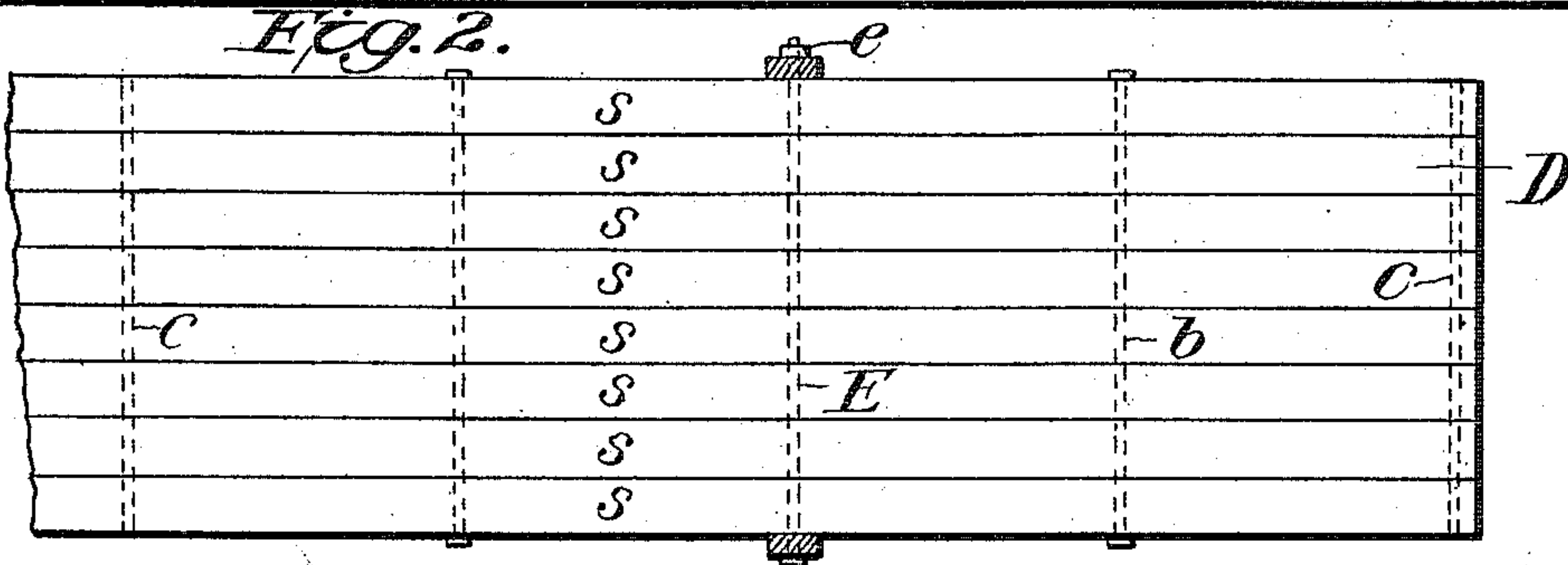
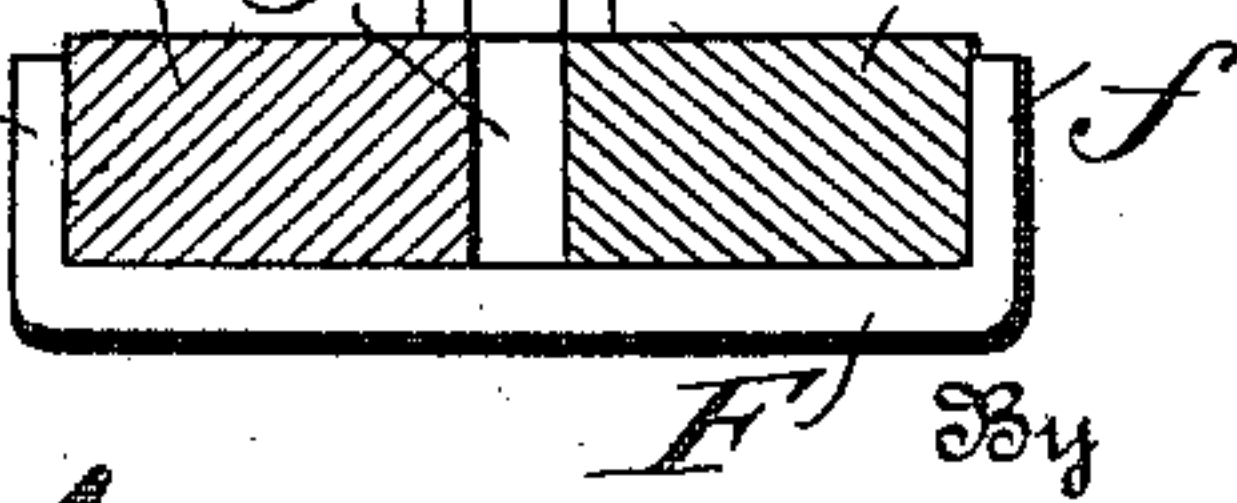


Fig. 3.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN F. MASTERS, OF DURHAM, NORTH CAROLINA.

## SHELVING.

983,075.

Specification of Letters Patent.

Patented Jan. 31, 1911.

Application filed March 24, 1910. Serial No. 551,399.

*To all whom it may concern:*

Be it known that I, JOHN F. MASTERS, a citizen of the United States, residing at Durham, in the county of Durham, State of North Carolina, have invented certain new and useful Improvements in Shelving, of which the following is a description, reference being had to the accompanying drawing and to the letters and figures of reference marked thereon.

My invention relates to an improvement in shelving, the object being to provide a structure which can be readily set up and taken down, and readily adjustable to form desired heights of successive shelves.

The invention consists in the matters hereinafter described and referred to in the appended claim, and it is illustrated in the accompanying drawings, in which,—

Figure 1 is a front elevation of a series of shelves arranged to form a case for books, merchandise and the like, and embodying my invention; Fig. 2 is a plan view of one of the individual shelves; and Fig. 3 is a detail view, showing the clamp for uniting two sections of the case together.

In these drawings, A and B represent respectively the top and base boards of the case, these being formed with openings to receive the upper and lower ends of the uprights C, C, arranged both front and back.

Each shelf D is made up of a series of boards or planks *a*, arranged edge to edge, and having registering openings through which pass at intervals threaded bolts *b*, having nuts on each end, or a head on one end and a nut on the other, whereby these boards are rigidly secured together, and

form an integral shield which may be easily handled. Additional bolt holes *c* are bored in the shelf, through which pass the adjustable bolts E, which pass also into holes *d* in the upright standards C, C, both front and back. These bolts are secured by nuts *e* on the back. By arranging a series of holes in the upright standards, the shelves are permitted vertical adjustment, the bolts E holding them in desired position.

In order to fasten two sections of the shelving end to end, I have provided, as shown in Fig. 3, a clamp F having side pieces *f* to embrace the sides of two adjacent uprights C, and having a central stem *g*, passing between the two uprights and secured by a nut *h*.

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

A shelving comprising a series of shelves, each shelf composed of a series of boards placed edge to edge, bolts passing through the same for securing the boards together as a rigid whole, each shelf having additional holes at intervals, a series of uprights, bolts passing through said uprights and said additional holes in the shelves, for supporting the latter, and a clamp for securing together adjacent uprights, each clamp having side pieces embracing the uprights, and a central shank, with a nut thereon.

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

JOHN F. MASTERS.

Witnesses:

CHAS. J. DECKER,  
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