

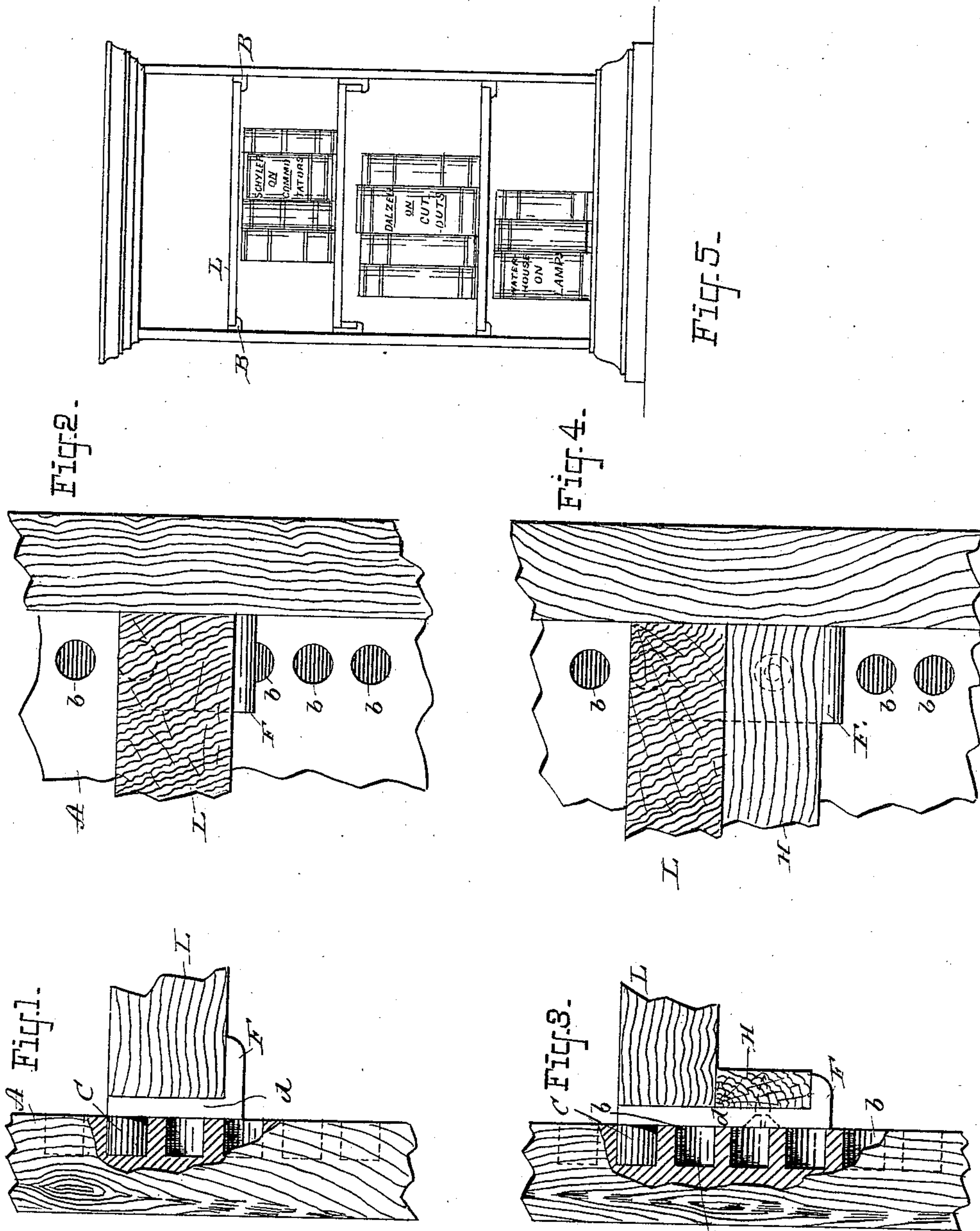
(No Model.)

J. A. DALZELL.

ADJUSTABLE SHELF SUPPORT FOR PORTABLE SHELIVING.

No. 309,824.

Patented Dec. 30, 1884.



ATTEST:

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ADJUSTABLE SHELF-SUPPORT FOR PORTABLE SHELVING.

SPECIFICATION forming part of Letters Patent No. 309,824, dated December 30, 1884.

Application filed June 13, 1884. (No model.)

To all whom it may concern:

Be it known that I, J. ALLAN DALZELL, a citizen of the United States, and a resident of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Adjustable Shelf-Supports for Portable Shelving, of which the following is a specification.

The object of my invention is to provide a simple, cheap, and effective adjustable support for shelving. The devices heretofore employed for this purpose are unnecessarily cumbrous, and are liable to become loose with wear or from shrinkage, or to be accidentally displaced, permitting the shelf to fall.

My invention overcomes the difficulties and objections existing with the forms of support hitherto employed; and it consists, first, in an adjustable shelf-support provided with an upwardly-extending portion, against which the end of the shelf bears, so as to hold the support in place and prevent its displacement.

My invention consists, secondly, in an adjustable shelf-support having one or more projecting pins or lugs adapted to enter a hole or socket, a horizontal extension forming a rest for the shelf, and an upward extension, against which the end of the shelf bears to hold the support in its socket.

My invention consists, also, of the new article of manufacture herein described and shown.

My invention consists, further, in certain combinations and constructions that will be specifically stated in the claims.

Figure 1 is a side view of one form of my novel shelf-support, showing the same in place and supporting the end of a shelf. Fig. 2 is a section across the end of a shelf, looking toward the gable or other support, provided with the sockets or holes for the shelf-support. Figs. 3 and 4 are corresponding views of a modified way of carrying out the invention. Fig. 5 is an elevation of a book-case provided with adjustable shelf-supports constructed in accordance with my invention.

B, Fig. 5, indicates my novel shelf-support in place. It is constructed in detail, as shown in Figs. 1 and 2, with the lateral extension or bracket F, on which the shelf L rests, an upwardly-extending portion, *d*, extending above

the bracket F, so that the end of the shelf may bear against the support and hold it in place, and a lug or pin, C, adapted to fit in any one of the sockets or recesses *b* on the gable A of the book-case, or on any other suitable support. The portion *d* bears against the gable and forms the body of the support, and the pin C and bracket F constitute lateral extensions therefrom. As thus formed it is obvious that the whole may be cast in one piece, from iron or other suitable material, or that the extensions may be secured to the body by any suitable means. Two vertical rows of holes or sockets, *b*, and corresponding supports are provided at each end of the shelf, as usual. The shelf may rest directly on such supports, being supported only at the points where it rests upon them, or, if desired, a "bearer" may be combined with the supports, as indicated in Figs. 3 and 4, so that the shelf may be supported at all points from its front to its rear edge.

H indicates the bearer, of wood or other material, which extends transversely beneath the shelf from the body *d* of one support to the body *d* of the other support at the same end of the shelf, being secured or attached to said supports in any desired manner. Where the bearer or cross-piece is made of wood the body *d* of the support is made somewhat longer, as indicated.

By my invention I am enabled to dispense with the costly and troublesome saw-tooth supports commonly used, and consisting of two notched or serrated vertical pieces, with an adjustable cross-piece fitting the notches, and at the same time to provide a simple and cheap device that may be applied to any book-case or in any other situation by simply boring sockets in the gables, end pieces, or other body embracing the two ends of the shelf.

What I claim as my invention is—

1. In an adjustable shelf-support, a vertically or upwardly extending portion rising above the part on which the shelf rests, so that the end of the latter may hold the support in place, as and for the purpose described.

2. As a new article of manufacture, a shelf-support consisting of the body *d* and two lateral extensions—one a pin or lug adapted to fit into any one of a vertical row of sockets,

and the other constituting a seat or rest for the shelf.

3. As a new article of manufacture, a metal shelf-support consisting of the body or plate
5 d, one or more pins, C, and a bracket or brackets, F, all cast in one piece.

4. The combination, with the adjustable shelf-support having a pin or lug adapted to fit into any one of a vertical row of sockets, of a

shelf bearing laterally against the shelf-support, so as to hold the latter in its socket.

Signed at Hartford, in the county of Hartford and State of Connecticut, this 3d day of June, A. D. 1884.

J. ALLAN DALZELL.

Witnesses:

JAS. P. ANDREWS,

FRANK E. HYDE.