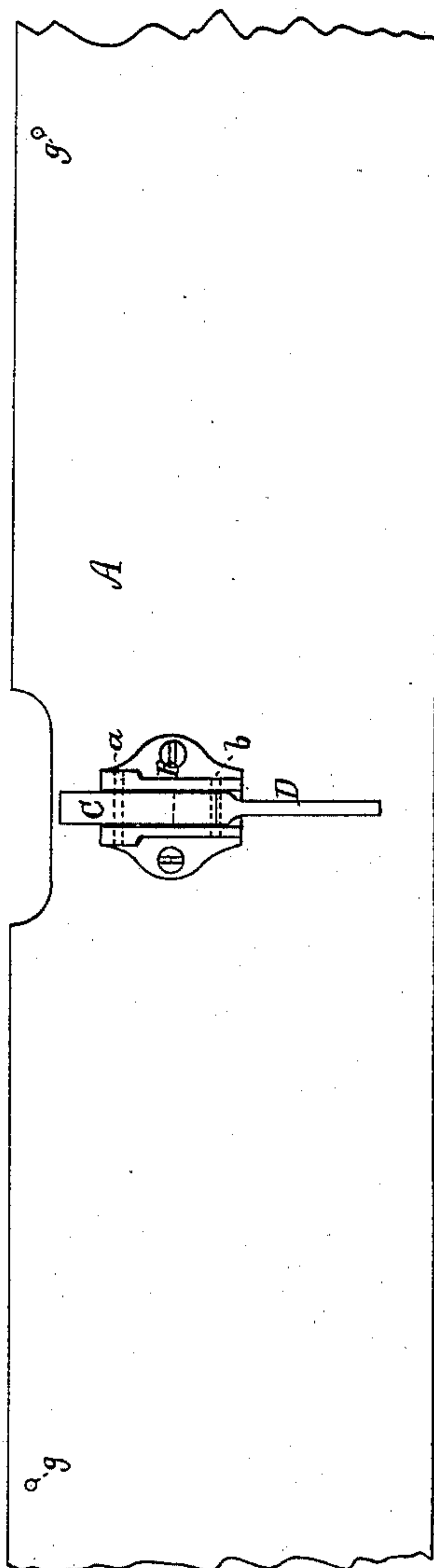
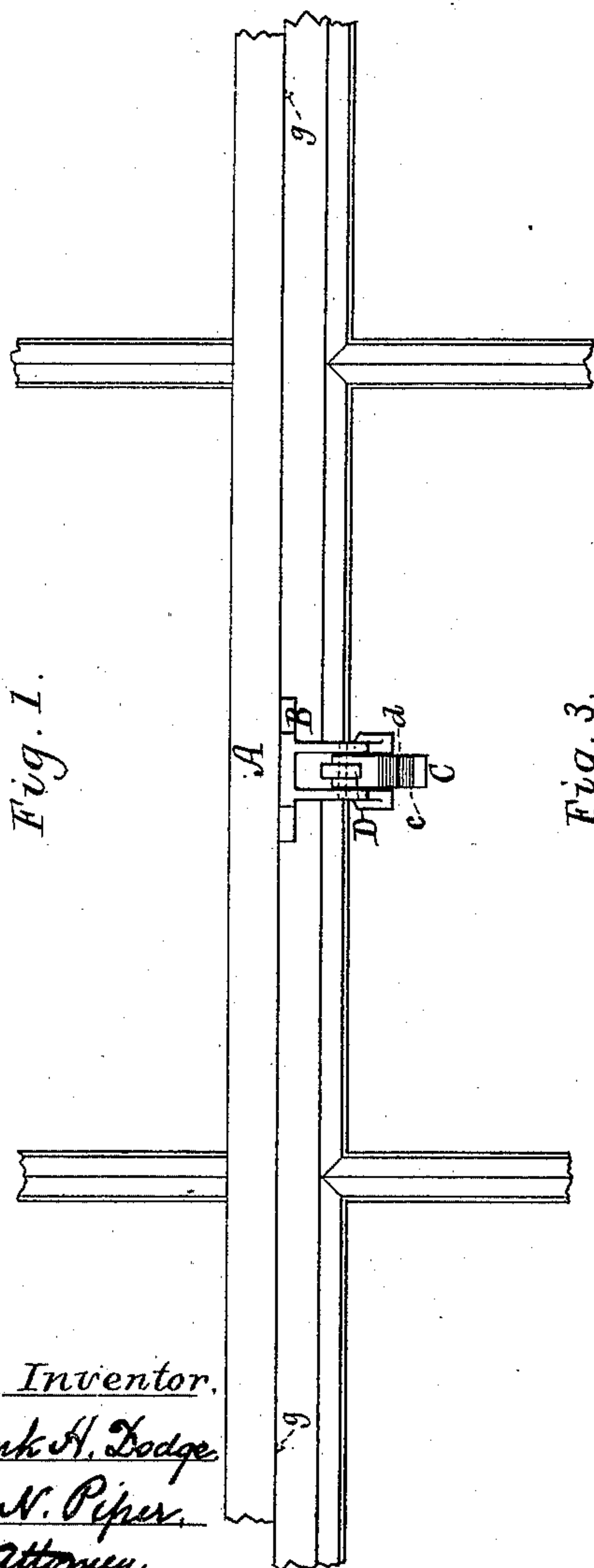
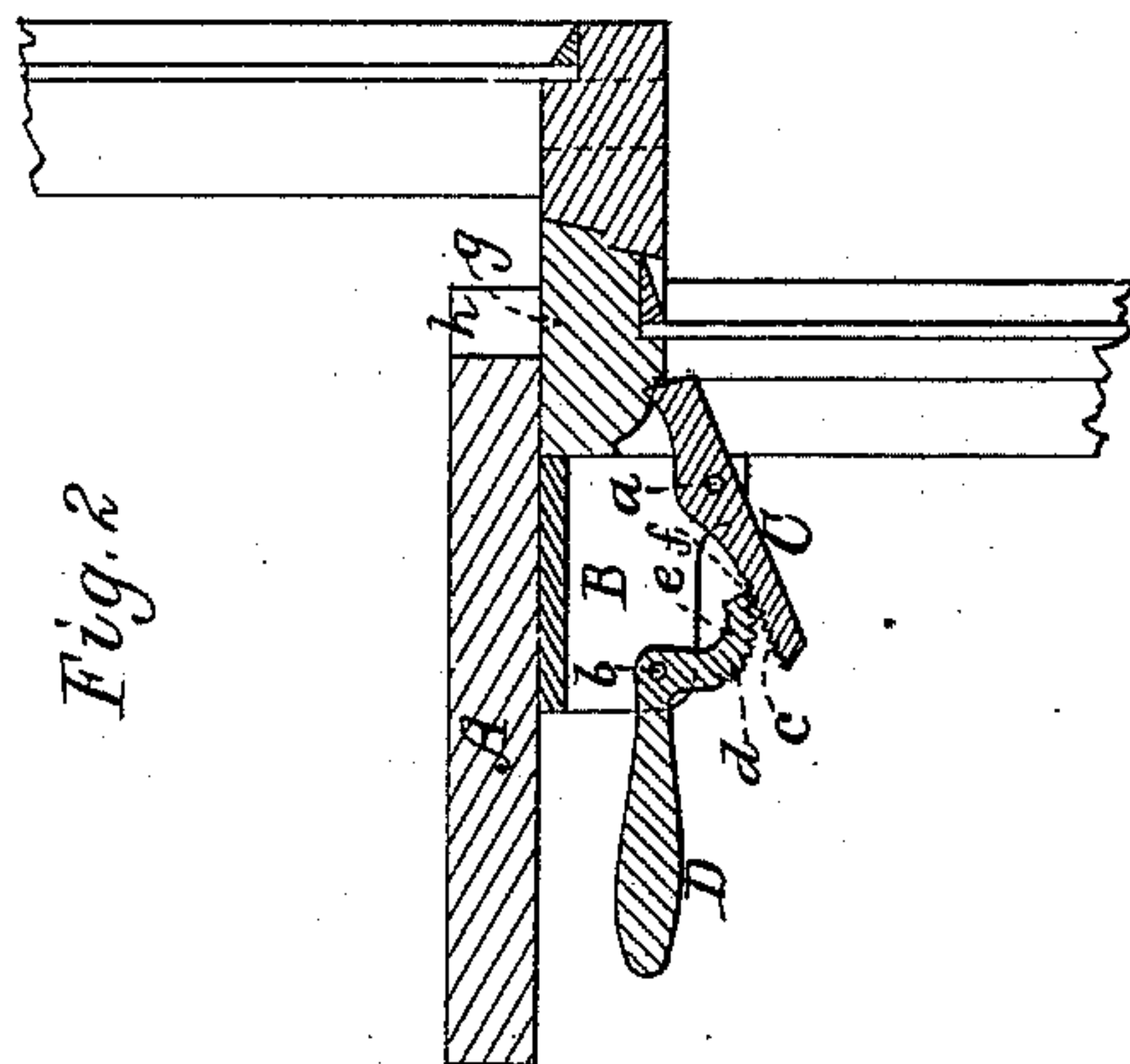


(No Model.)

F. H. DODGE.
PORTABLE SHELF.

No. 441,829.

Patented Dec. 2, 1890.



Witnesses, A. J. Piper Frank H. Dodge
L. J. Freeman by S. N. Piper
Attorney.

UNITED STATES PATENT OFFICE.

FRANK HOWARD DODGE, OF ERVING, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO CHARLES S. STONE, OF SAME PLACE.

PORTABLE SHELF.

SPECIFICATION forming part of Letters Patent No. 441,829, dated December 2, 1890.

Application filed June 27, 1890. Serial No. 356,928. (No model.)

To all whom it may concern:

Be it known that I, FRANK HOWARD DODGE, a citizen of the United States, residing at Erving, in the county of Franklin and State of Massachusetts, have invented certain new and useful Improvements in Portable Shelves; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it

10 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is an edge elevation, and Fig. 2 a vertical and transverse view, of a portable shelf of my invention as applied to the top bar of the lower sash of a window. Fig. 3 is an under side view of the shelf.

The nature of my invention is defined in the claims hereinafter presented.

In carrying out my invention I secure to the under side of the shelf A a bracket or support-piece B, to which are pivoted at *a* and *b* two levers C and D. (See Fig. 2.) The upper edge of the forward end of the lever C is to bear against or bite the under side of the bar or part to which the shelf is applied, or which is introduced between said edge of the lever C and the shelf, and the upper surface

30 of the rear arm of said lever is notched or provided with a series of teeth *c* to engage with teeth *d*, formed in the under side of the curved portion *e* of the lever D, or with the end *f* of said curved portion, as represented

35 in Fig. 2.

The shelf is represented as provided with pointed brads or studs *g*, projecting from its under surface and arranged between the ends of the shelf and the clamping device to assist

in retaining said shelf in position, and it is also notched at *h* to receive the sash-fastening.

The shelf hereinbefore described is intended specially for application to the top bar of the lower sash of a window for supporting pots of plants; but it is adapted for use in many places where a shelf is required.

In applying the shelf to a window, as represented, let the longer arm of the lever D drop. Then raise the longer arm of the lever C, and place the shelf on the top of the lower sash and project the shorter arm of said lever C under the top bar of said sash. Then raise the longer arm of the lever D, which will cause the lever C to grip the said bar and support the shelf in position. The studs *g* enter the sash and assist in retaining it in position.

What I claim is—

1. A portable shelf provided with a clamping device, substantially as described, such device consisting of a support-piece fixed to the shelf and the levers pivoted to said piece, said levers each provided with a series of teeth which engage each other when operated to clamp the shelf in position, as explained.

2. A portable shelf provided with studs *g g* and a clamping device, the latter consisting of a support-piece fixed to the shelf and levers C and D, fulcrumed thereto, each lever provided with teeth which engage when the levers are operated to clamp the shelf in position, as explained.

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

FRANK HOWARD DODGE.

Witnesses:

GEO. E. TYLER,
WM. G. WALKUP.