

A. C. BARSTOW.

Extension Shelves for Stoves.

No. 153,699.

Patented Aug. 4, 1874.

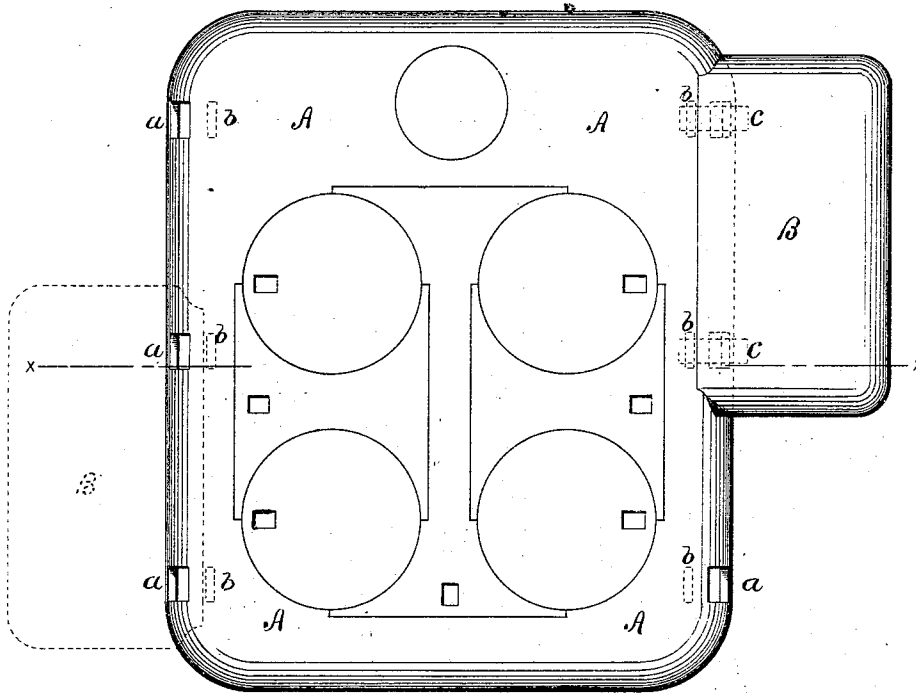


FIG. 1.

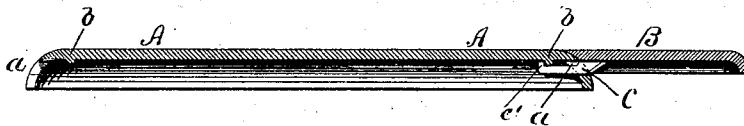


FIG. 2.

WITNESSES,

John Mc Gowan
Stephen A. Cooke Jr.

INVENTOR,

A. C. Barstow.

UNITED STATES PATENT OFFICE.

AMOS C. BARSTOW, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN EXTENSION-SHELVES FOR STOVES.

Specification forming part of Letters Patent No. **153,699**, dated August 4, 1874; application filed February 14, 1874.

To all whom it may concern:

Be it known that I, AMOS C. BARSTOW, of Providence, Rhode Island, have invented certain new and useful Improvements in Extension-Shelves for Stoves and Ranges, of which the following is a specification, reference being had to the accompanying drawing, in which—

Figure 1 is a plan of the top plate of a stove or range with my extension-plate attached. Fig. 2 is a transverse section of the same on line *xx*, Fig. 1.

My invention relates to stoves provided with a movable or adjustable shelf that forms an extension or enlargement of the stove-top; and it refers particularly to that class of stoves in which the extension-shelf depends for its support upon the stove-top alone.

It has been my object to provide a cheap and simple means for attaching the extension-shelf to the stove-top, so arranged that the fastening devices shall be entirely concealed and out of view when the shelf is in place. To this end I form that edge of the shelf B contiguous to the stove-plate A to fit snugly against the edge of the plate, and I attach to the under side of the shelf at its edge aforesaid tenons *c*, with hooks *c'* at their outer ends. In the dropping edge of the stove-plate, and in the dropping edge alone, I form mortises *a*, just large enough to permit the tenons to pass through them; and on the under side of the stove-top, at the point to which tenons *c* extend when the extension-shelf abuts against the dropping edge of the stove-top, I form teats or projections *b*, which are engaged by the hooks of the tenons *c*, as shown in Fig. 2. By these means—viz., the hooked tenons and the straight mortises through the dropping edge alone of the stove-top—the extension-shelf is held firmly in position, the tenons taking bearings against the bottoms of the

mortises at the one end and against the stove-top at the other, while the entire joint is completely covered and concealed by the shelf.

I am aware that an extension-shelf has been connected with a stove-top by means of a tenon entering an aperture in the stove-top; but such aperture was partly in the top and partly in the dropping edge, exposing the joint to view, and giving the device an unsightly appearance, as well as requiring a more cumbersome structure of the shelf than by my invention.

I am not aware of any instance before my invention in which the mortise has been confined to the dropping edge alone of the stove-top.

The joint, as above stated, is thus covered and concealed, and cannot form a dust and dirt trap, as it would otherwise, and the operation of casting is simplified and made less troublesome, the mortise being a straight one through the dropping edge only, instead of an angular one through both edge and top of the stove-plate.

What I claim, and desire to secure by Letters Patent, is—

The extension-shelf provided on its under side with hooked tenons, in combination with the stove-top having teats or projections on its under side to engage the tenon-hooks, and mortises formed in its dropping edge only for the passage of the tenons, the latter taking their under bearing against the bottom of the mortises, and their upper bearing against the under side of the stove-top, the whole covered and concealed by the shelf when in position, as shown and set forth.

AMOS C. BARSTOW.

Witnesses:

JOHN H. GOULD,
STEPHEN A. COOKE, Jr.