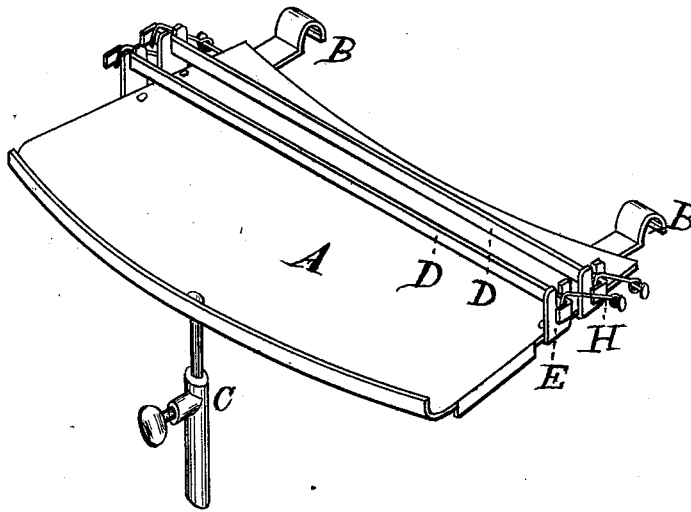


J. BOOROM.
GRATE-SHELF.

No. 190,951.

Patented May 22, 1877.



Witnesses:
John A. Trimble
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UNITED STATES PATENT OFFICE

JACKSON BOOROM, OF MASON, OHIO.

IMPROVEMENT IN GRATE-SHELVES.

Specification forming part of Letters Patent No. **190,951**, dated May 22, 1877; application filed January 22, 1877.

To all whom it may concern :

Be it known that I, JACKSON BOOROM, of Mason, in the county of Warren and State of Ohio, have invented a new and useful Improvement in Grate-Shelves; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The accompanying drawing represents a perspective view of my improved shelf or trivet.

The object of my invention is to provide a convenient utensil to be attached to a common fire-place grate, and used for heating sad-irons, &c., and for cooking, as hereinafter described.

To the sheet-metal shelf A two hooks, B, are fastened, by which to attach the front edge of the shelf to one of the bars of a grate in front of the fire-place, and to the rear edge of the shelf an adjustable leg, C, is secured, as represented in the drawing.

Removable metal slats or bars D D are supported, when in use, in vertical planes above the surface of the shelf by slotted studs E, which are fastened to the ends of the shelf, as represented.

A number of hooks, H, of different lengths, are hinged to the ends of the shelf, for use when the utensil is to be employed for some of the various purposes of cooking, as hereinafter explained.

A depression or concavity may be made in the shelf A, to retain any drippings which are occasioned in cooking.

It is apparent that my improved trivet may be readily adjusted and converted for different purposes. When used for heating sad-irons, the slats D will be removed; but these will occupy the positions as represented in the drawing when the utensil is used as a toasting-rack to support slices of bread.

Any number of slotted studs E may be fastened to the ends of the shelf A, to enable the bars D or a deflecting-plate to be adjusted nearer to, or farther from, the fire; also, that the space between the bars may be varied in width, to support in an upright position any article of food to be roasted or baked.

When a deflector, consisting of a plain sheet of tin, is supported by studs E, it may be provided at each end with a series of suitable projections, upon which the hooks H can catch to retain it in any desired relation to the shelf or to the fire in the grate. The elastic nature of the tin deflector will admit of various adjustments, to change its position in relation to the fire and to the article to be cooked.

From the foregoing description it will be seen that my improved shelf may be conveniently employed in connection with a fire-place grate for nearly all the uses common to cooking-stoves.

The adjustable leg furnishes the means of changing the elevation of the shelf, and of adjusting it to different planes in relation to the fire-place.

Having described my invention, I claim—

1. The shelf A, provided with hooks B, in combination with the adjustable leg C, as and for the purpose specified.
2. The removable slats or bars D, supported by slotted studs E, and hooks H, or their equivalents, in combination with the vertically-adjustable shelf A, in the manner and for the purposes specified.

Witness my hand this 6th day of January, 1877.

JACKSON BOOROM.

Witnesses:

H. P. K. PECK,
L. M. HOSEA.