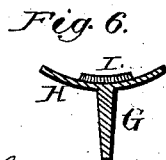
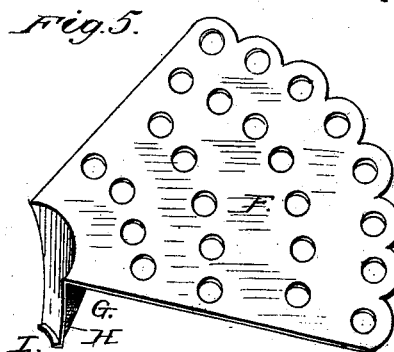
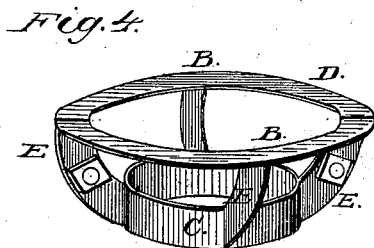
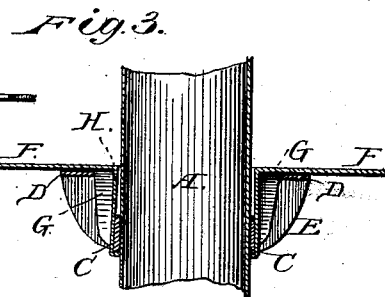
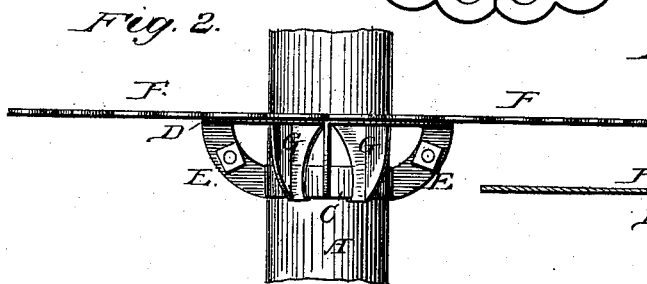
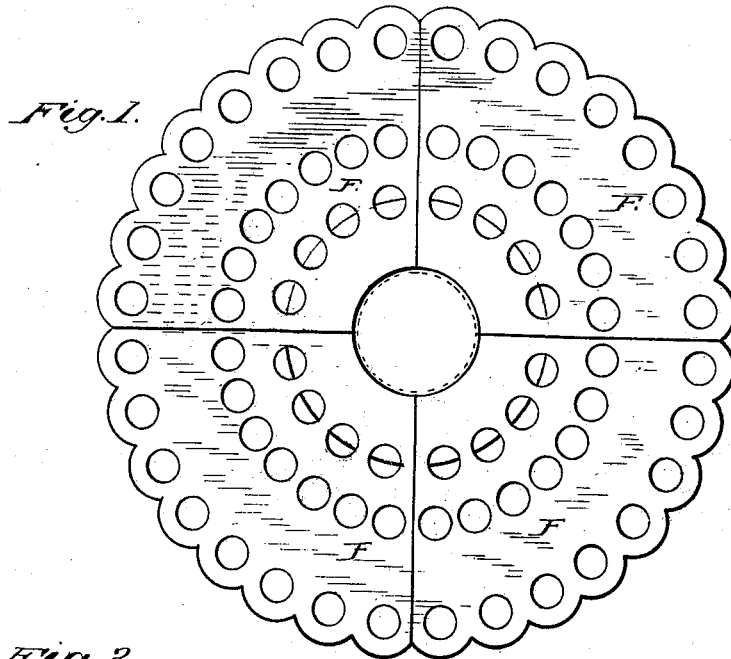


W. D. MIDDLETON.  
Stove-Pipe Shelf.

No. 221,086.

Patented Oct. 28, 1879.



Witnesses:  
Fred L. Dietrich  
J. R. Littell,

Inventor:  
William D. Middleton,  
J. F. C. Snow & Co.  
Attys.

# UNITED STATES PATENT OFFICE.

WILLIAM D. MIDDLETON, OF ELKHART, INDIANA, ASSIGNOR OF ONE-HALF  
OF HIS RIGHT TO WESLEY MIDDLETON, OF SAME PLACE.

## IMPROVEMENT IN STOVE-PIPE SHELVES.

Specification forming part of Letters Patent No. **221,086**, dated October 28, 1879; application filed  
May 23, 1879.

*To all whom it may concern:*

Be it known that I, WILLIAM D. MIDDLETON, of Elkhart, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Stove-Pipe Shelves; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a plan view. Fig. 2 is a side view. Fig. 3 is a vertical sectional view. Fig. 4 is a view of the stove-pipe band or shelf-fastening detached. Fig. 5 is one of the shelf-sections detached, and Fig. 6 is a horizontal cross-section of one of the shelf-sections.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to stove-pipe shelves; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings, A represents the stove-pipe, upon which the shelf-support is adjusted. The latter consists of two sections, B B, which, when put in position, present together the appearance of two bands, one, C, encircling the stove-pipe, and the other, D, arranged above band C, at right angles thereto, and at some distance from the stove-pipe. The bands C D are connected together by brackets E, and the two sections B B are secured together by

nuts and bolts passing through the outer brackets, E, as shown.

The stove-pipe shelf consists of four segmental sections, F, each adapted to rest upon the band D, and provided at its inner end with a downward-projecting bracket, G, fitting closely against the stove-pipe and strengthened by a flange, H, of such a width as to fit between the stove-pipe and the band D. The lower ends of the bracket G are turned inwardly to form catches I, catching under the band C, and thereby holding the shelf-sections firmly in position.

The operation of my invention will be readily understood. The shelf-sections are easily adjustable or detachable, and may, when not in use, be hung up out of the way. The parts are preferably made of open-work cast-iron, but other material may be used.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination, with the shelf-support consisting, essentially, of the bands C D and brackets E, of the segmental shelf-sections F, having brackets G, provided with catches I and flanges H, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM D. MIDDLETON.

Witnesses:

I. N. EVERETT,  
F. W. MILLER.