

(No Model.)

F. A. GARDNER.
STOVE PIPE SHELF.

No. 298,685.

Patented May 13, 1884.

Fig. 1.

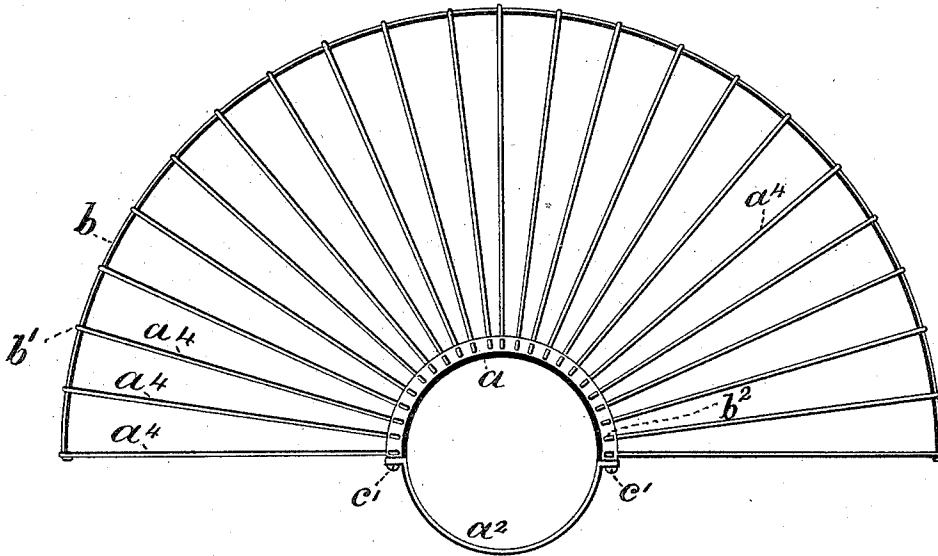


Fig. 2.

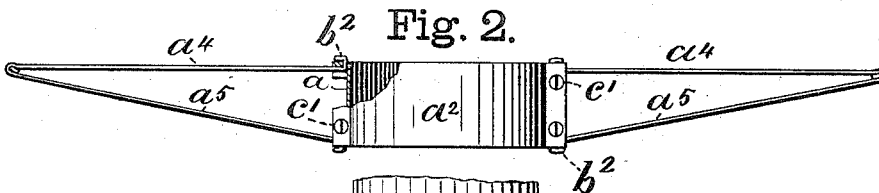


Fig. 3.

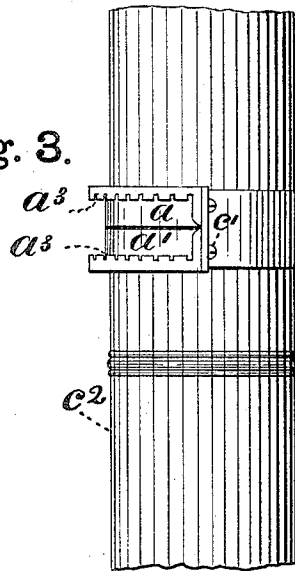
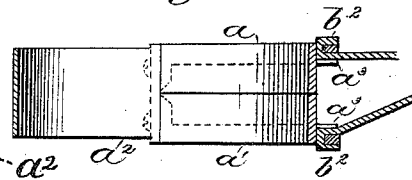


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

FREDERICK A. GARDNER, OF BUFFALO, NEW YORK.

STOVE-PIPE SHELF.

SPECIFICATION forming part of Letters Patent No. 298,685, dated May 13, 1884.

Application filed March 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK A. GARDNER, a subject of the Queen of Great Britain, residing in Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Stove-Pipe Shelves, of which the following is a specification.

The object of my invention is to furnish a convenient shelf, which can be readily attached to or detached from a stove-pipe, upon which dishes or any other articles may be placed to be warmed or for other similar purposes, all of which will be fully and clearly hereinafter shown by reference to the accompanying drawings, in which—

Figure 1 is a top view; Fig. 2, a back view, showing one set of the supporting-bars; and Fig. 3 represents a side elevation of the pipe-clasping portion without the supporting bars or wires, showing it in position on a portion of a joint of stove-pipe. Fig. 4 represents a section through line X X, Fig. 1, cutting between two of the notches a^3 and through a portion of the wire rods, and also through the semicircular clamping portion.

The pipe clasping or clamping device is constructed of the semicircular parts $a a'$ and the semicircular portion a^2 . The parts $a a'$ may be in one piece, if desired; but the two parts are more convenient to put together. They are each provided with the notches a^3 , (see Fig. 3,) and are perforated opposite each notch to receive the wires $a^4 a^5$, the upper portion being represented by a^4 and the lower portion or brace by a^5 . These wires or bars are each formed of one piece and connected by being passed over and clamped to a semicircular

wire, b , at their bent portions b' , (see Fig. 2,) their extreme ends b^2 being connected to the parts $a a'$ by being passed through the notches a^3 , and through perforations in the rims of the said parts at right angles to their position in the notches, and then bent over and forward, (see Fig. 4,) so as to form the hook-shaped portions b^2 , which clasp and hold them tightly in place. The upper portions, a , form an open shelf, through which the heated air passes up freely, and upon which dishes and other articles are placed when required. The lower portions of the bars a' act as a brace, and also afford a convenient series of bars upon which various articles may be hung for drying or heating. The semicircular clamping-plate a^2 is connected to the parts $a a'$ by screws or bolts c .

The operation of the device will be clearly understood from the foregoing description and accompanying drawings.

The supporting-bars $a a'$, being of heavy wire or wrought-iron, are durable and not liable to be broken.

In Fig. 3, c^2 represents a portion of a joint of stove-pipe to which the device is connected, as described.

I claim—

A stove-pipe shelf consisting of the clamping portions $a a'$, the semicircular wire b , and rods $a^4 a^5$, having their ends terminating in hooks and connected to the part a by being passed through the notches a^3 and then through perforations, substantially as specified.

FREDERICK A. GARDNER.

Witnesses:

J. M. CALDWELL,
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