

G. W. Langdon,

Stove Pipe Shelf.

No. 112,931.

Patented Mar. 21, 1871.

Fig. 1.

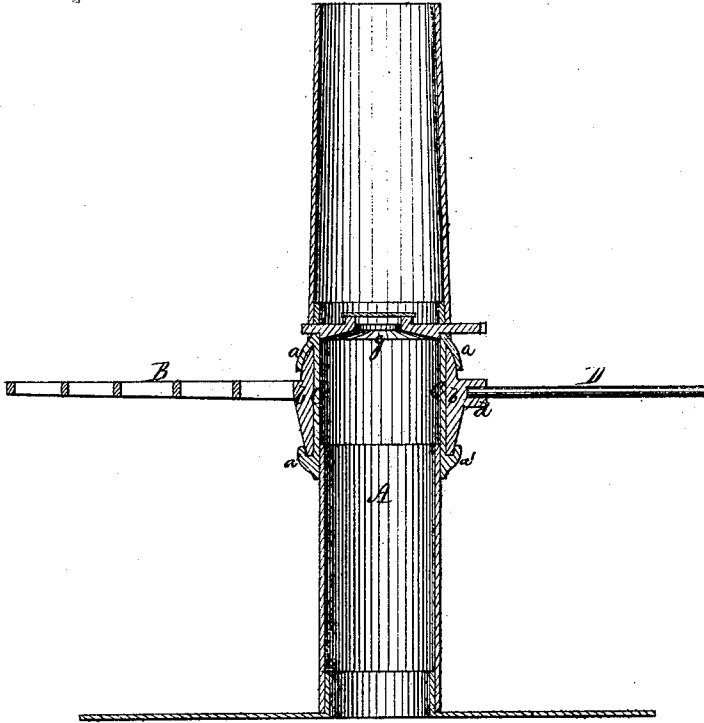
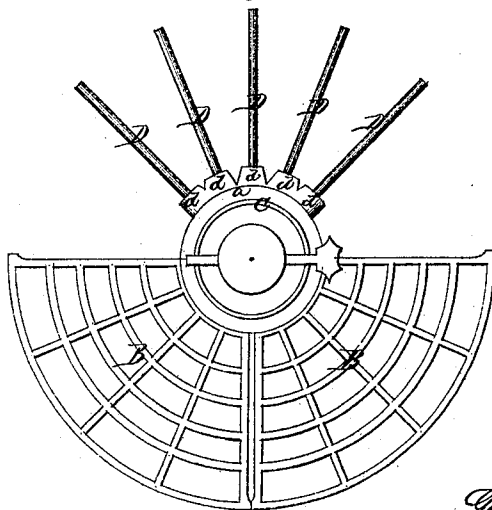


Fig. 2.



Witnesses
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GEORGE W. LANGDON, OF GREENE, NEW YORK, ASSIGNOR TO HIMSELF
AND LEWIS SENEARE, OF SAME PLACE.

Letters Patent No. 112,931, dated March 21, 1871.

IMPROVEMENT IN STOVE-PIPE SHELVES AND CLOTHES-DRIERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, GEORGE W. LANGDON, of Greene, in the county of Chenango and State of New York, have invented certain new and useful Improvements in Stove-pipe Shelves and Rack for Drying Clothes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "stove-pipe shelf," as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a vertical section, and

Figure 2, a plan view.

A represents a stove-pipe or stove-pipe drum, constructed in any of the known and usual ways.

At a suitable point on said pipe or drum, and encircling the same, are attached two collars, *a* and *a'*, placed a suitable distance apart, as shown.

The upper collar *a* is beveled or otherwise cut out so as to form a circular groove around the pipe or drum at the lower end of said collar, and the lower collar *a'* is also beveled or cut out so as to form a similar groove at its upper end, the groove on the upper collar being, however, made deeper than that of the lower collar, for a purpose that will be presently described.

B represents the shelf, which may be cast in as many sections as may be desired, each section forming a segment, as shown in fig. 2.

The inner rim of the shelf B is provided with projections or lugs *b b*, extending both above and below said rim, there being two or more of such projections on each section of the shelf; or there may be two extending above and three extending below the rim.

These projections are inserted in the grooves formed by the collars *a a'*, by first placing the upper projec-

tions under the upper collar, as far up as possible. The lower projections will then clear the lower collar and drop into the lower groove, the upper projections being still held by the upper collar. The shelf is readily removed in the same manner.

One or more sections may be used at one time, and may be turned around the pipe or drum in any desired direction.

In place of a shelf bars D D may be substituted, said bars being inserted radially in a rim, *d*, having similar projections *b*, as above described, for the inner rim of the shelf.

The collars *a a'* may, as shown in the drawing, form the upper edges of one collar, C, and be turned over so as to form the necessary grooves.

g represents a damper, which has a circular opening at its center, which opening may be about one-third the diameter of the damper.

Over this opening is secured a circular plate, the circumference of which is greater than that of the opening, but less than that of the damper. Thus, in turning the damper square on, the products of combustion are only retarded, but not prevented from ascending through the opening. The object of this arrangement is to radiate the heat, when desired, below the shelves or arms.

Having thus fully described my invention,

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

1. A stove-pipe, or section thereof, provided with collars *a a'*, when used in combination with a support for clothing, said support arranged to operate in connection with the collar, substantially as set forth.

2. The damper *g*, arranged in combination with the clothes-support, substantially as and for the purpose described.

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

GEORGE W. LANGDON.

Witnesses:

ROBERT L. BROUGHAM,
EDGAR D. MORSE.