L. W. TURNER.
Stove-Pipe Shelf.

No. 208,938. Patented Oct. 15, 1878.

Fig. 1

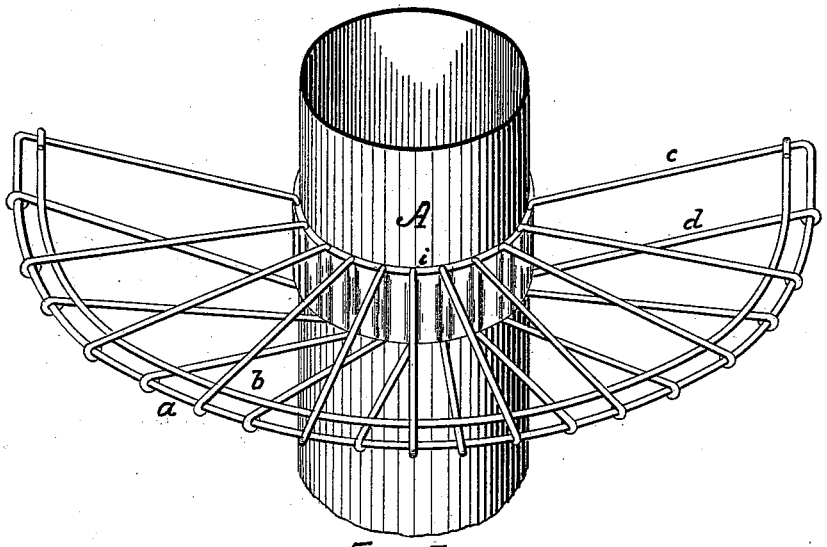


Fig. 2

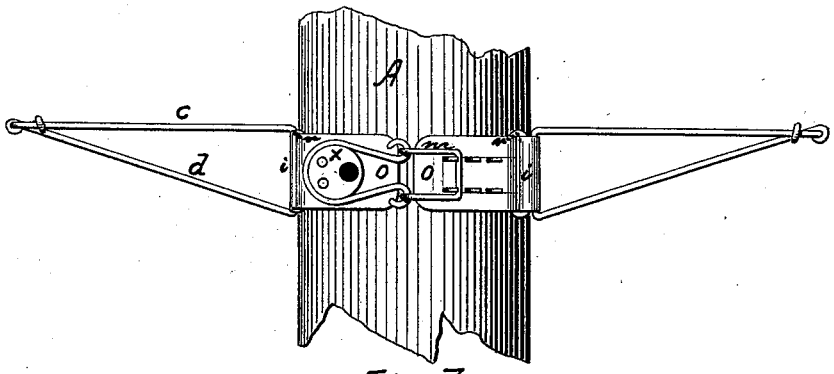
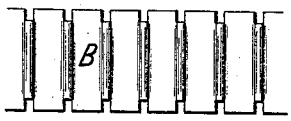


Fig. 3.



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LEWIS W. TURNER, OF YALESVILLE, CONNECTICUT.

IMPROVEMENT IN STOVE-PIPE SHELVES.

Specification forming part of Letters Patent No. **208,938**, dated October 15, 1878; application filed August 26, 1878.

To all whom it may concern:

Be it known that I, LEWIS W. TURNER, of Yalesville, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Stove-Pipe Shelves, of which the following is a specification:

Figure 1 is a perspective view of the shelf. Fig. 2 is a view of the ends of the metal band and devices for fastening the shelf to the pipe, and Fig. 3 is a view of one of the elements of the shelf.

My invention relates to stove-pipe shelves; and consists in the novel construction of the several parts of the shelf, and in the device for fastening the shelf to the pipe.

In the figures in the drawing, A is a section of the stove-pipe, to which the shelf is attached. A strip of sheet metal, *i*, Figs. 1 and 2, of the width of the piece B, Fig. 3, between the notches, is bent into a semicircular form, and its ends are fastened in the loops *n*, Fig. 2. Into these loops *n* the short sheet-metal pieces *o* are also fastened, and are free to turn in the loops. On one of the pieces *o* a series of notches are made, and on the other the eccentric *x* is fastened.

The strap *m* is made of wire and in two parts, the end of one part being made rectangular to fit over the notches on one of the pieces *o*, and the other end being made circular to fit the groove in the eccentric *x*. The two parts of the strap are hinged together by eyes made on the ends of the parts in the manner shown. The series of like elements, indicated by the letters *c* and *d*, Fig. 1, which form the shelf proper, are made of wire bent nearly in the form of a right-angled triangle with unequal legs. The length of the shorter leg is the distance between the notches in the corrugated piece B, Fig. 3. The corrugations in the piece B inclose the shorter legs of the triangular-shaped elements, and the projections in the piece B are bent over the straight piece *c*, the ends of which are attached to the loops *n*, and hold the piece *i*, piece B, and the series of triangular-shaped elements together. The ends of the triangular-shaped pieces are bent around a semicircular wire rim, *a*, and a semicircular wire rim, *b*, is inserted between these elements, the wires being alternately above and below it, in the manner shown. The number of these triangular-shaped parts may be varied at pleasure.

The shelf approximates a semicircle in form. When the hinged strap *m* is removed, the pieces *o* will open, and the shelf can then be put on the pipe and the pieces *o* be turned against the pipe. The hinged strap *m* can be put on, and will bind the shelf firmly to the pipe by turning the eccentric *x*.

Having described my invention and the mode of fastening it to the pipe, what I claim as new, and desire to secure by Letters Patent, is—

1. The stove-pipe shelf consisting of the piece *i*, corrugated piece B, and sections of wire bent into triangular form, as described, the ends of the sections being attached to a semicircular ring, *a*, also inclosing the semicircular ring *b*, and a suitable fastening device, as shown and set forth.

2. The detachable strap *m*, made in two parts, hinged together, in combination with the piece *i* and with the pieces *o*, hinged to the piece *i* by the loops *n*, one of the said pieces *o* being provided with a series of notches and the other piece with an eccentric, as shown and set forth.

LEWIS W. TURNER.

Witnesses:
WILLIAM HOPSON,
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