(No Model.)

# O. N. KYLE.

## EXTENSION TOP FOR OIL STOVES.

No. 259,319. Patented June 13, 1882.

FIG. 1.

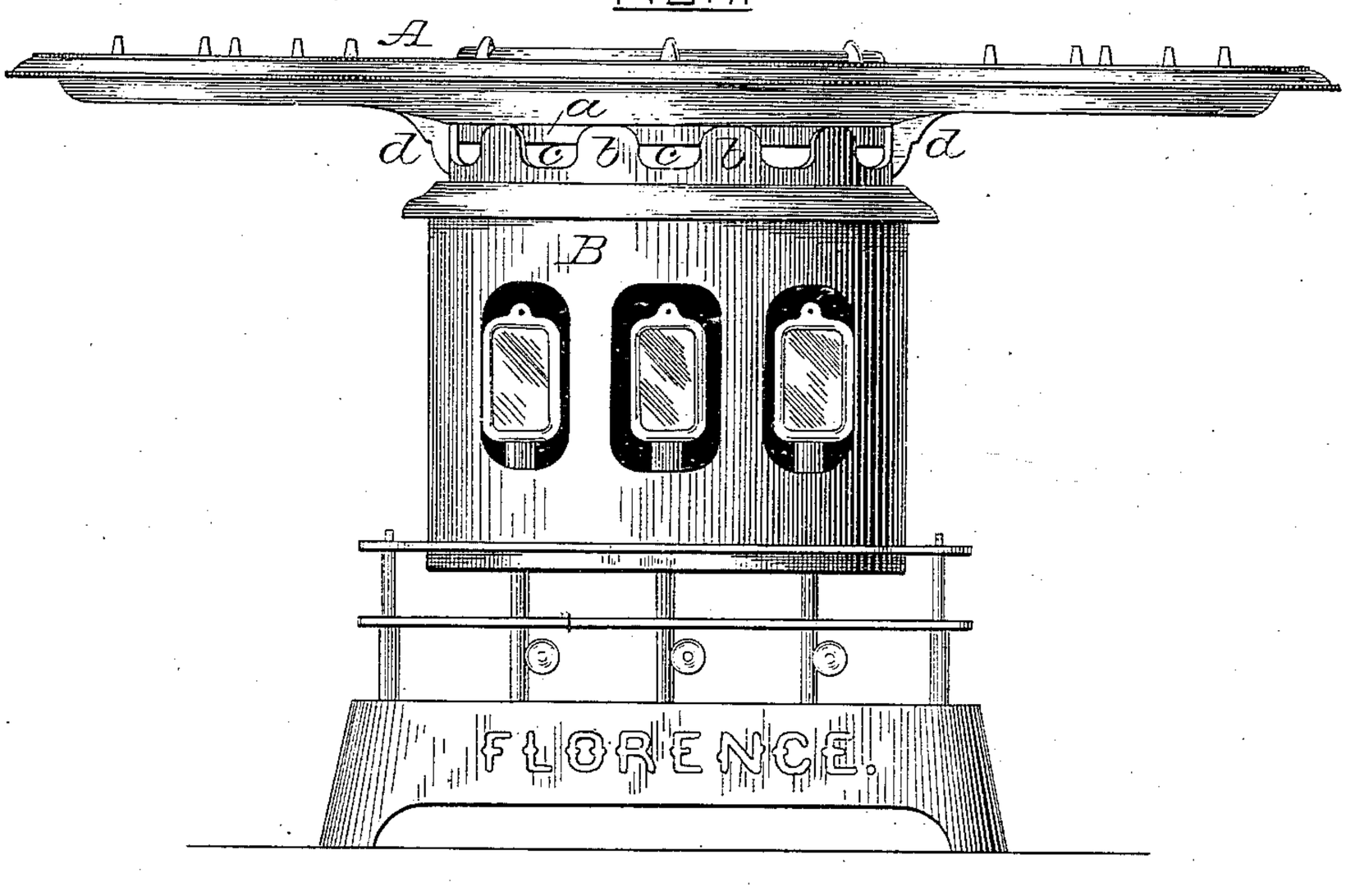
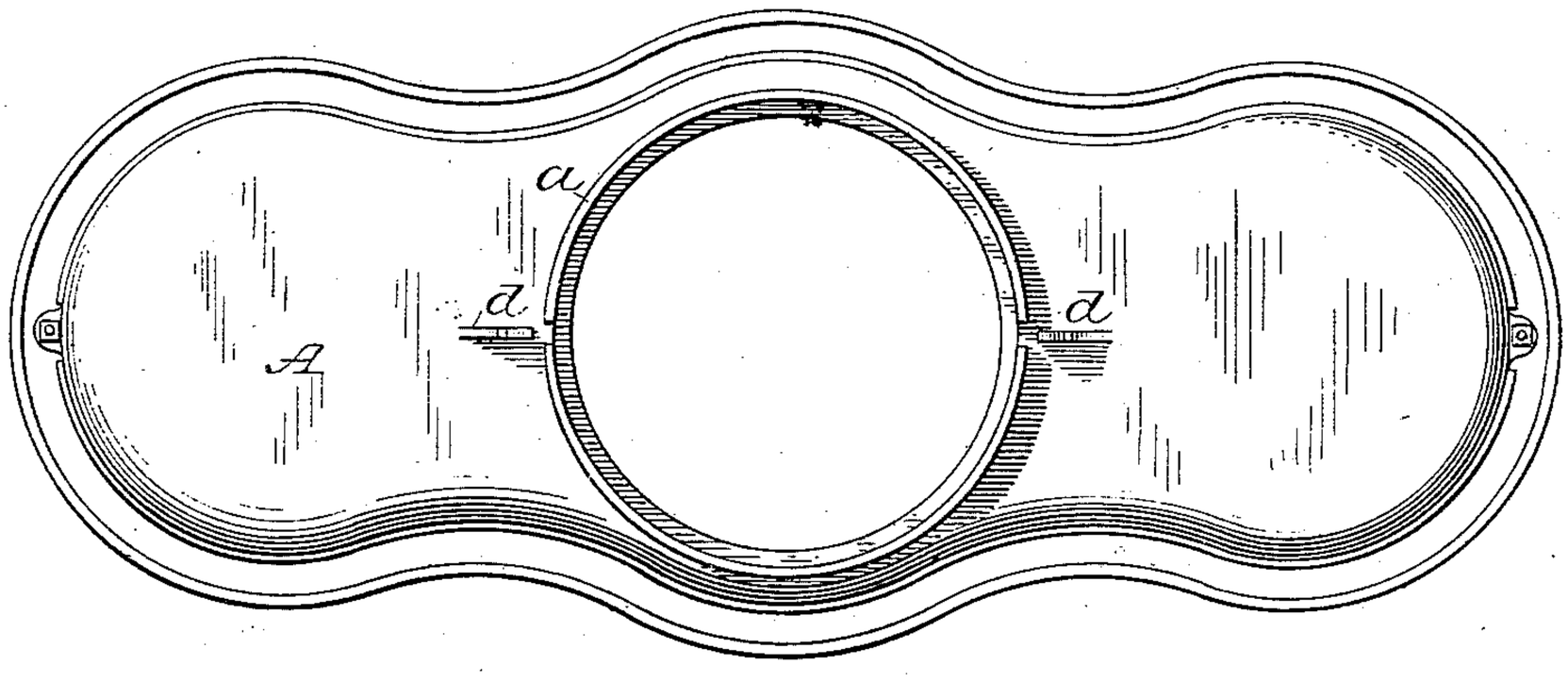



FIG. 2.

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# UNITED STATES PATENT OFFICE.

OSCAR N. KYLE, OF FLORENCE, MASSACHUSETTS, ASSIGNOR TO THE FLORENCE MACHINE COMPANY, OF SAME PLACE.

## EXTENSION-TOP FOR OIL-STOVES.

SPECIFICATION forming part of Letters Patent No. 259,319, dated June 13, 1882.

Application filed March 20, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, OSCAR N. KYLE, of Florence, in the town of Northampton, county of Hampshire, and State of Massachusetts, have invented a certain new and useful Improvement in Extension-Tops for Oil-Stoves; and I do hereby declare that the following specification, taken in connection with the drawings furnished and forming a part of the same, is a clear, true, and complete description of my invention.

The object of my improvement is to enable a detachable extension-top, mounted upon the turret of an oil or gas stove, to be unequally loaded at either end without liability of its displacement by tilting, and, although applicable to detachable extension-tops generally, it is of special value with such as are shown and described in my Letters Patent No. 246,320, August 30, 1881.

After a full description of an extension-top embodying my improvement, the feature deemed novel will be specified in the claim hereunto annexed.

Referring to the drawings, Figure 1 is a side view of an oil-stove with my improved top attached. Fig. 2 is a bottom view of said extension-top detached.

The extension-top A may be of the ordinary type, or it may be so arranged that the products of combustion may be cut off from entering either wing of the top, as set forth in my aforesaid Letters Patent.

The annular depending flange *a*, instead of being arranged, as heretofore, to encircle the series of supporting-lugs *b* of the turret of the stove B, is of smaller diameter, occupies the interior of the turret, and is of a depth or width sufficiently less than the depth of the spaces *c* between the supporting-lugs *b* to not obstruct said spaces as air-inducts when the stove is in use.

At opposite points lengthwise of the stove, and adjacent to the depending flange *a*, are two or more bracing-lugs, *d*, which project downward from the lower side of the top. Between the bracing-lugs and said flange *a* there is a space equal to the thickness of the metal of which the turret is composed, so that when the top is in position on the turret a supporting-lug, *b*, snugly occupies the space between said flange and the bracing-lug. If the supporting-lugs and the intervening spaces are so proportioned that said lugs occupy diametrically-opposite points in the turret, then there will be a supporting-lug between each bracing-lug *d* and the depending flange; but if the supporting-lugs are not thus located the bracing-lug will occupy a position between two of the supporting-lugs, but at its lower end it will be in contact with the exterior of the turret between the intervening space, *c*. The form of the bracing-lugs may of course be varied, but I prefer them substantially as shown; and although two of said lugs will be ample if located adjacent to the wings of the extension-top, more of them may be employed, if desired.

If the extension-top have means for cutting off the heat from the two wings thereof, it is important that the spaces *c* be not unduly obstructed by the depending flange, because the admission of air through said spaces when the center of the stove only is in service contributes to satisfactory results in preventing odors.

In some cases it will be desirable to construct the depending flange *a* with an edge outline, substantially corresponding to that of the turret, so that the intervening spaces will be nearly, if not wholly, unobstructed as air-inducts.

It will be seen that when the extension-top is in position the depending flange affords an inside lateral bearing against the supporting-lugs of the turret, and the bracing-lugs take bearing against the outer surface of the turret, and that therefore the undue tilting of the top when unduly weighted at either end is practically prevented.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The detachable extension-top, provided with the annular depending flange, in combination with the bracing-lugs projecting from the under side of the extension-top at opposite points and adjacent to said flange, substantially as described, whereby a lateral bearing is afforded against the inner and outer surfaces of a stove-turret, as set forth.

OSCAR N. KYLE.

Witnesses:

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