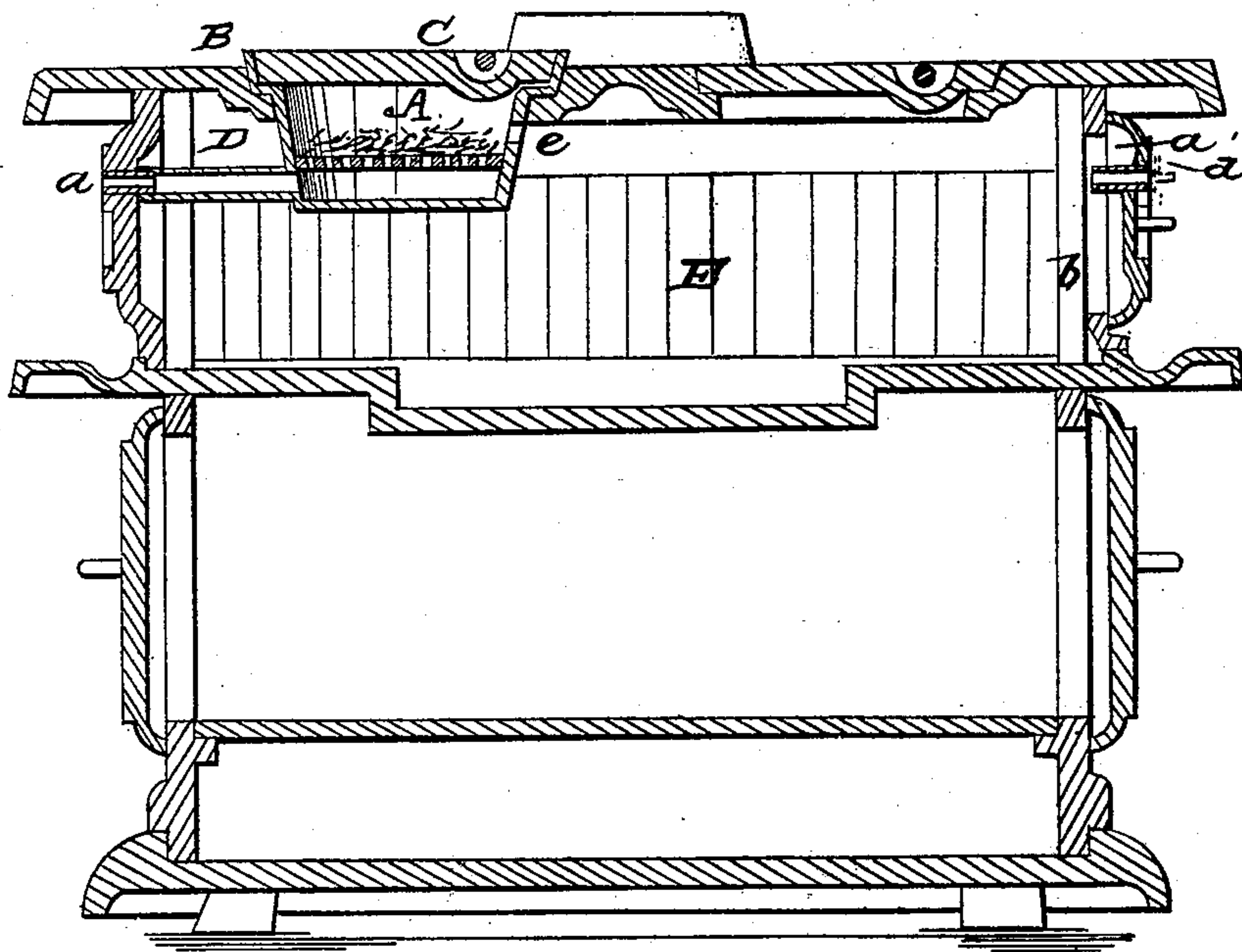


N. O. BOND.

Summer Attachment for Stoves and Furnaces.

No. 85,054.

Patented Dec. 22, 1868.



witnesses  
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N. O. BOND, OF HYANNIS, MASSACHUSETTS.

Letters Patent No. 85,054, dated December 22, 1868.

**SUMMER-ATTACHMENT FOR STOVES AND RANGES.**

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, N. O. BOND, of Hyannis, in the county of Barnstable, and State of Massachusetts, have invented a new and useful Improvement in Summer-Attachments for Stoves or Ranges; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which the drawing represents a sectional view of my invention when applied to a common cooking-stove.

Similar letters of reference indicate like parts.

The object of this invention is to provide an attachment for stoves, whereby the necessity of building a fire in the fire-place of a stove or range is obviated in summer, when a small, temporary fire only is needed, thus economizing fuel, labor, and time, and avoiding the excessive heat occasioned by the ordinary fire.

It consists of a deep circular dish, or vessel, formed to fit into the opening of the top plate, and provided with a pipe-extension leading from the bottom of the vessel, and communicating with the external air through the side, front, or door of the stove, whereby the air for the proper combustion of the fuel is admitted directly underneath the said fuel held in the attachment.

At some point above the usual height of the fuel in the attachment is an opening for the escape of combustion into the body of the stove, whence it passes up the pipe by the natural draught-action.

The upper edge or rim of the attachment is formed to receive the stove-plate, or the base of any cooking-vessel that is provided to fit upon the opening or hole in the top plate.

Any perforated plate or grate may be placed in the attachment, to insure better action, although it is not indispensable to its effective operation.

In the drawings—

A is the attachment, being formed, as shown, to rest in the opening of the top plate B.

C is the circular plate, fitting in the top of the attachment, as shown.

D is the hollow extension, leading from the bottom of the attachment to an air-passage or opening, *a*, formed in the side of the fire-box of the stove.

This opening may be provided with a short, hollow extension, surrounding the air-passage on the inner side, and projecting a short distance inward, for the end of the extension D to fit on or in, and thus secure a better joint.

*e* is the exit-opening above the fuel.

*a'* is a similar extension from the door *b*.

In practice, several air-passages may be formed in the front and sides or doors of the stove, so that the attachment may be set on the different holes, or that several of such attachments may be used at once, if desired.

A slide-damper, *d*, may also be employed to close the opening, when the whole fire-box E is used.

The attachment is preferably of cast-metal, and of small cost.

Thus, by my invention, a charcoal, coke, or kindling-wood fire, gives sufficient heat for many purposes, and may be used without the necessity of filling up the entire fire-box with fuel.

Having thus described my invention,

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

A summer-attachment, A, formed to fit in the top plate of a stove or range, and to receive the stove-plate C of the opening, in which it fits, and provided with a hollow extension, D, leading from the bottom of the attachment to any suitable air-passage formed in the side, door, or front of the stove or range, and provided with an exit-passage, *e*, all substantially as shown and described, and for the purpose set forth.

The above specification of my invention signed by me, this 12th day of June, 1868.

N. O. BOND.

Witnesses:

ALEX. F. ROBERTS,

J. M. COVINGTON.