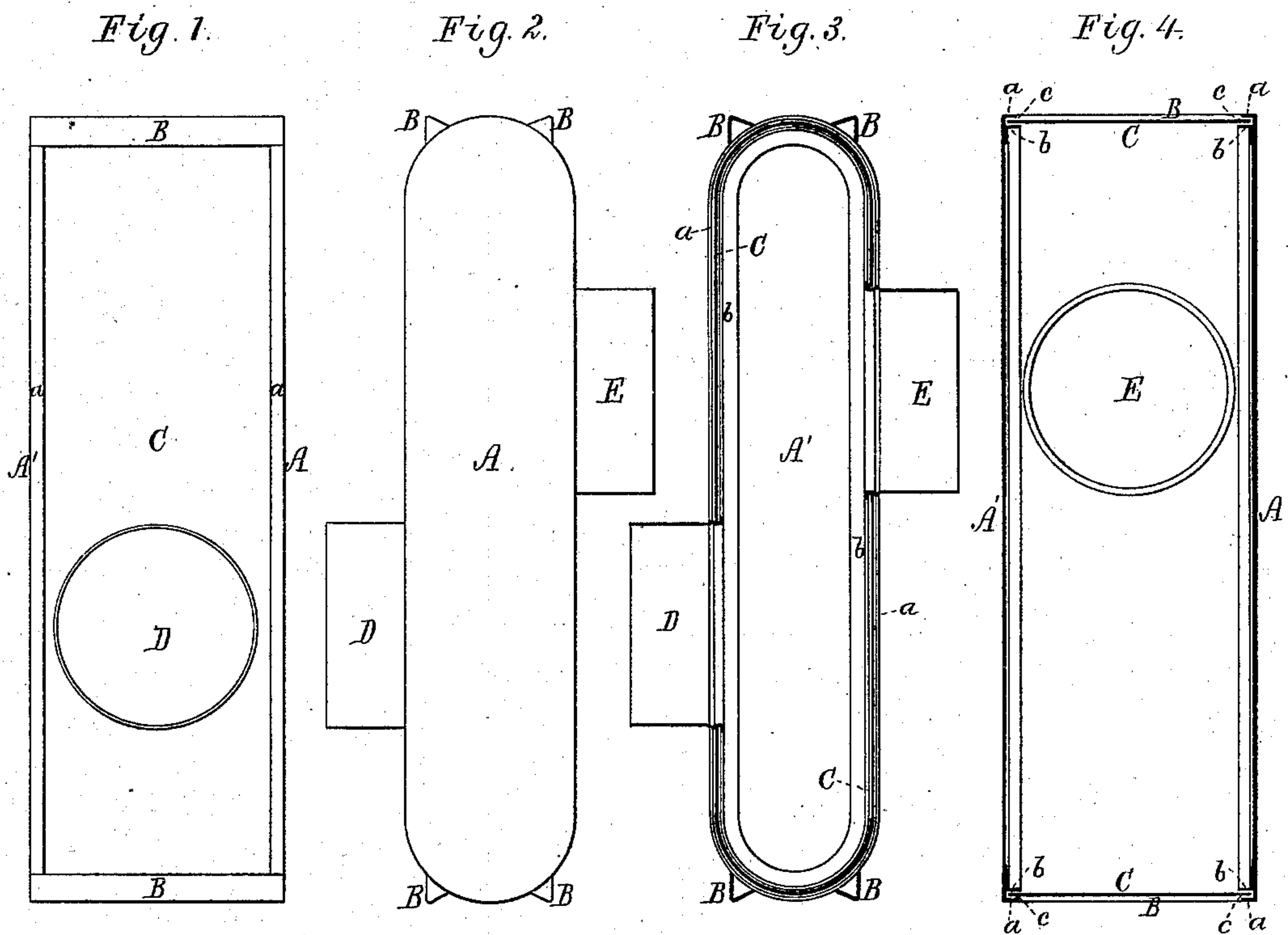


(No Model.)

J. O. NEILSON.
STOVE ATTACHMENT.

No. 258,311.

Patented May 23, 1882.



Witnesses.

S. N. Piper
E. A. Pratt

Inventor.

John Otto Neilson.

by R. H. Eddy atty.

UNITED STATES PATENT OFFICE.

JOHN O. NEILSON, OF MEDFORD, MASSACHUSETTS.

STOVE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 258,311, dated May 23, 1882.

Application filed March 6, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN OTTO NEILSON, of Medford, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Stove Attachments; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation, Fig. 2 a side view, and Figs. 3 and 4 longitudinal sections, of an attachment embracing my invention, the nature of which is defined in the claim hereinafter presented.

The said attachment is to enable a stove to be so adapted to a pipe or thimble leading into a chimney or fire-place that the smoke and gases passing from the stove shall be conducted therefrom into the said chimney or fire-place.

It is well known that often, when a fire-place or flue is provided with a thimble or pipe or discharge into it, such thimble or pipe may be at an altitude either greater or less than that of the educt of a stove which it may be desirable to connect with such thimble. With my improved attachment the connection can easily be accomplished by interposing the attachment between the thimble and stove-educt and regulating the induct and educt of the attachment to suitable heights for the one to fit on the stove-educt and the other on or into the thimble.

One characteristic of my stove attachment by which it is distinguishable from others for like purposes is its movable endless metallic belt for supporting the induct and educt, such belt being arranged between parallel side pieces, semicircular at their ends, and flanged or grooved to receive the belt at its edges, such side pieces being connected by bars going from one to the other of them, and otherwise arranged in manner as represented.

In the drawings, A A' denote the side pieces, such being semicircular at each of its ends, as shown, and at each end connected to the other piece by two bars, B B. These side pieces, flanged at their edges, as shown at *a*, and provided with guide-flanges *b*, arranged relatively to the flanges *a* in manner as represented, have between them, and extending into the narrow spaces *c* between their flanges, the endless metallic band C. This band has fixed to

and projecting from it, as shown, a short induct or pipe, D, and another such pipe or educt, E, both of which open into the space within the endless band and between the connected side pieces.

The endless band, when made of thin sheet metal, can easily be moved so as to bring the two axes of its induct D and educt E nearer to or farther from each other, as occasion may require, to adapt the induct D to a stove-educt and the educt E to the chimney or flue-thimble.

I do not claim a stove attachment consisting of a box having openings in its opposite sides and slides adapted thereto and provided with openings or short tubes leading into the box.

One great merit or advantage of my stove attachment in comparison with one thus disclaimed by me is that the movable parts, carrying the induct and educt, are integral portions of the case, formed by the endless belt and the side pieces; also, that there is but one opening from each duct into the case, such being common both to the educt and the case and made through the endless belt; also, that the connections B B of the side pieces are wholly without the endless belt, and thus do not interfere with the smoke in passing through it, and are prevented from accumulating soot on them, as they would were they to be within the belt.

I am aware of the stove-pipe coupling shown in the United States Patent No. 73,718, which, like mine, has an endless belt, but which has within it a partition and two dampers, the partition serving to aid in holding together the sides of the case. Within the endless belt of my stove-pipe attachment I have no such partition and dampers, nor any connections for the sides of the case, and therefore

What I claim as my invention is—

The combination of the endless belt provided with an induct and an educt, the two flanged side pieces, and the exterior connection-bars, whereby the side pieces and the endless belt are secured together, all being adapted to operate as and for the purpose set forth.

JOHN OTTO NEILSON.

Witnesses:

R. H. EDDY,
E. B. PRATT.