

(No Model.)

J. BOND.
RADIATOR.

No. 452,828.

Patented May 26, 1891.

Fig.1.

Fig.2.

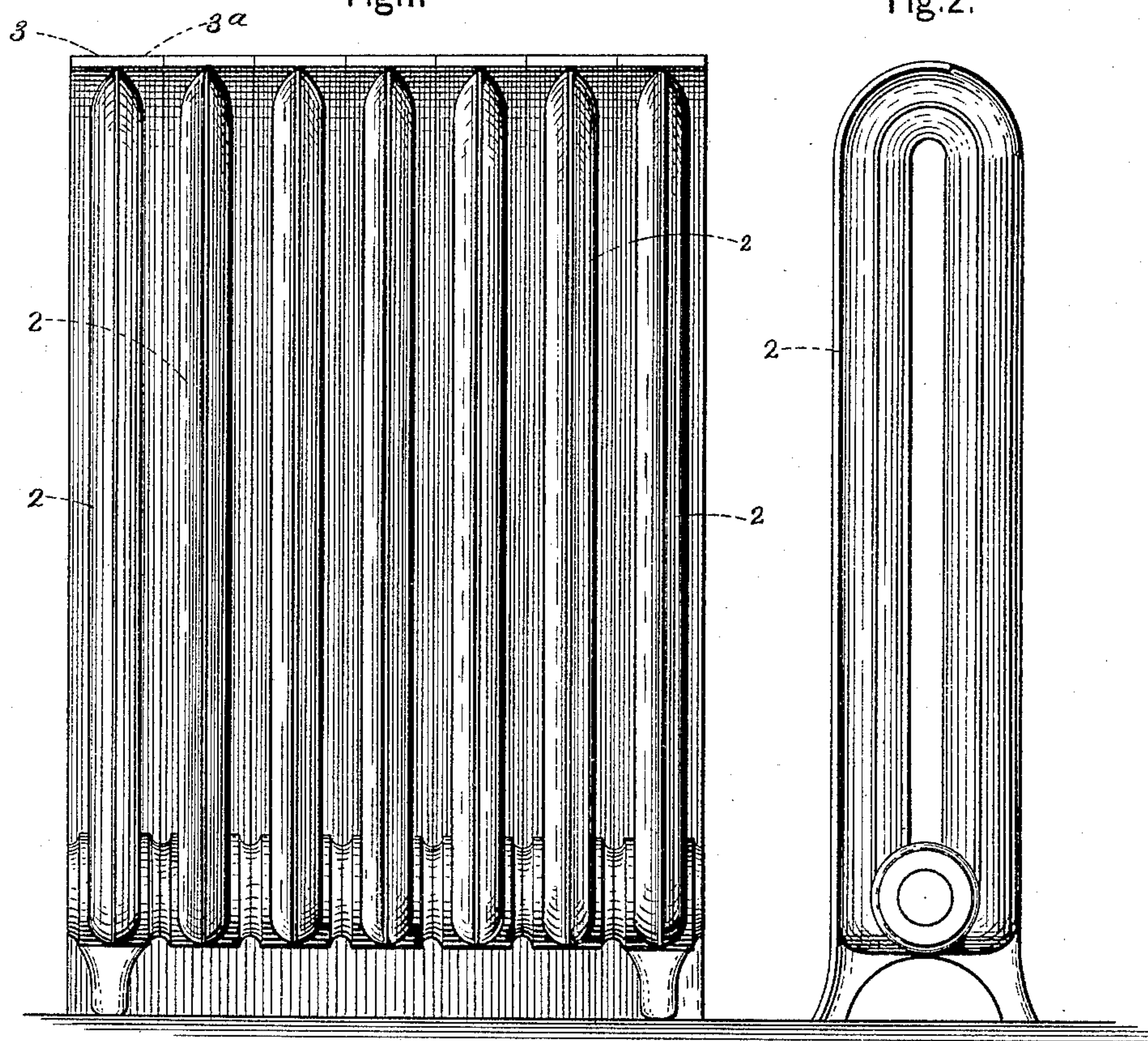
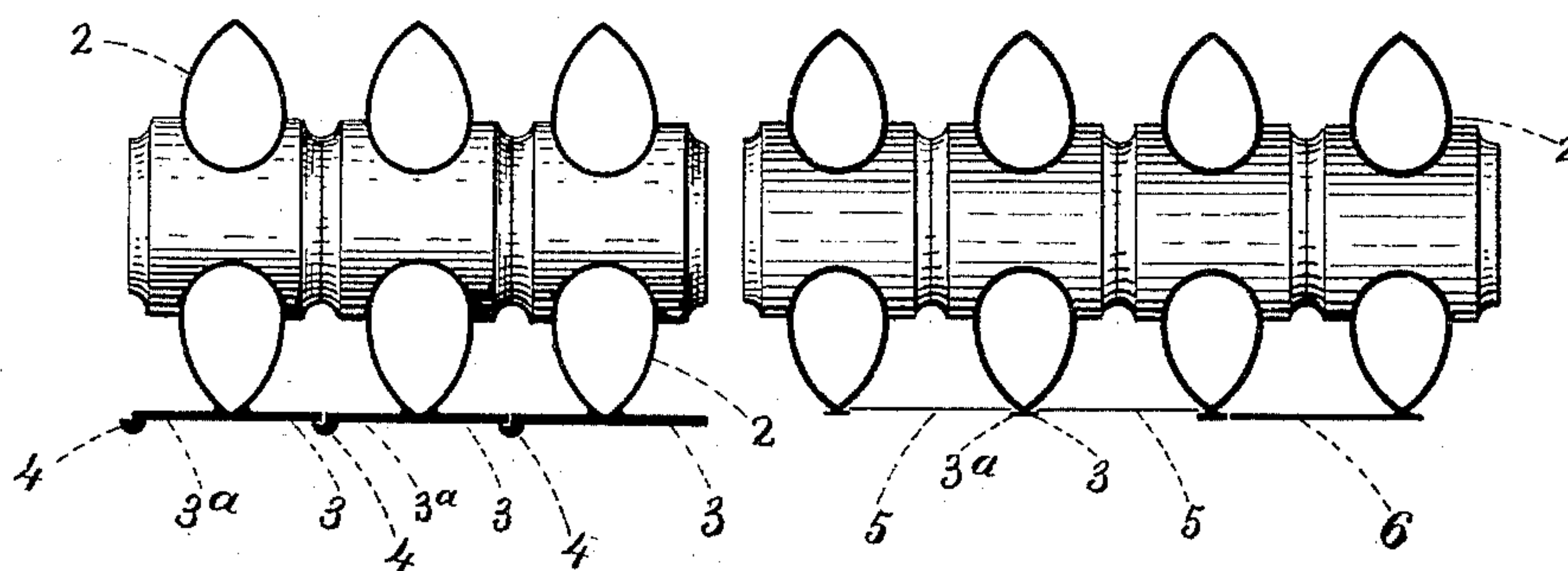


Fig.3.

Fig.4.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOSEPH BOND, OF BUFFALO, NEW YORK.

RADIATOR.

SPECIFICATION forming part of Letters Patent No. 452,828, dated May 26, 1891.

Application filed August 22, 1890. Serial No. 362,705. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH BOND, a citizen of the United States, residing in Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Radiators, of which the following is a specification.

The object of my invention is to produce a new and improved shield or wall covering or substantially covering one side and the top or a portion of the top of a radiator, and it will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of a radiator made in accordance with my invention. Fig. 2 is an end view or elevation of the same, showing a similar view of the shield. Fig. 3 is a horizontal section cutting through three sections in or about midway between the top and bottom of the radiator, Fig. 1; and Fig. 4 represents a similar section showing modifications of the invention.

It is well known that the wall at the rear and the ceiling of a room directly above a radiator become soiled or blackened by the dust or other fine particles of matter that are carried up and thrown against them by the upward current of air from a warm radiator. My invention is intended to obviate this objection.

In said drawings, Fig. 1 represents a radiator consisting of a series of sections 2, preferably made of cast-iron and secured together by screw-nipples in the usual or in any well-known way.

At the rear edge of each section 2 is secured thereto, or preferably cast in one piece with it, two flanges 3 and 3^a, projecting laterally therefrom in opposite directions. These lateral flanges are made either plain, so as to join edge to edge when the sections are put together, or, when desirable, an overlapping flange 4 may be put on one flange, so as to overlap the edge of the opposite plain flange on the adjoining section, substantially as

shown in Fig. 3. The flanges 3 and 3^a, when the sections are all put together, form an unbroken wall or shield covering the rear of the radiator, which may extend to the bottom of the section or to the floor and then upward and over or partly over the top.

If desired, one long flange 6 (shown in Fig. 4) may be put onto a section so as to extend laterally one way far enough to reach the back edge of another long flange on the adjoining section.

From this construction it will be seen that the air admitted at the bottom of the radiator, either from a flue or pipe conducting the fresh air from the outside in any well-known way into the room or from the room at the bottom of the radiator, the air as it becomes warm will rise and will be directed forward into the room instead of coming in contact with the wall or going up to the ceiling.

In the modification I have shown the flanges 3 and 3^a as made narrower, so that a strip of sheet metal 5 or other suitable material (see Fig. 4) can be inserted between the sections, and thereby form a back shield or wall to the radiator, which extends upward and forward over the top or partly over the top of the radiator, as hereinbefore described.

I claim as my invention—

1. A radiator-section provided with two lateral flanges projecting in opposite directions from the rear edge of the section and extending up along the body and over the top of the same, substantially as and for the purposes described.

2. A radiator consisting of a series of sections secured in the usual way together, having a wall or shield made up of flanges extending laterally from the sections so as to substantially cover the rear portions of the same and extend upward and forward over the top, for the purposes described.

JOSEPH BOND.

Witnesses:

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