

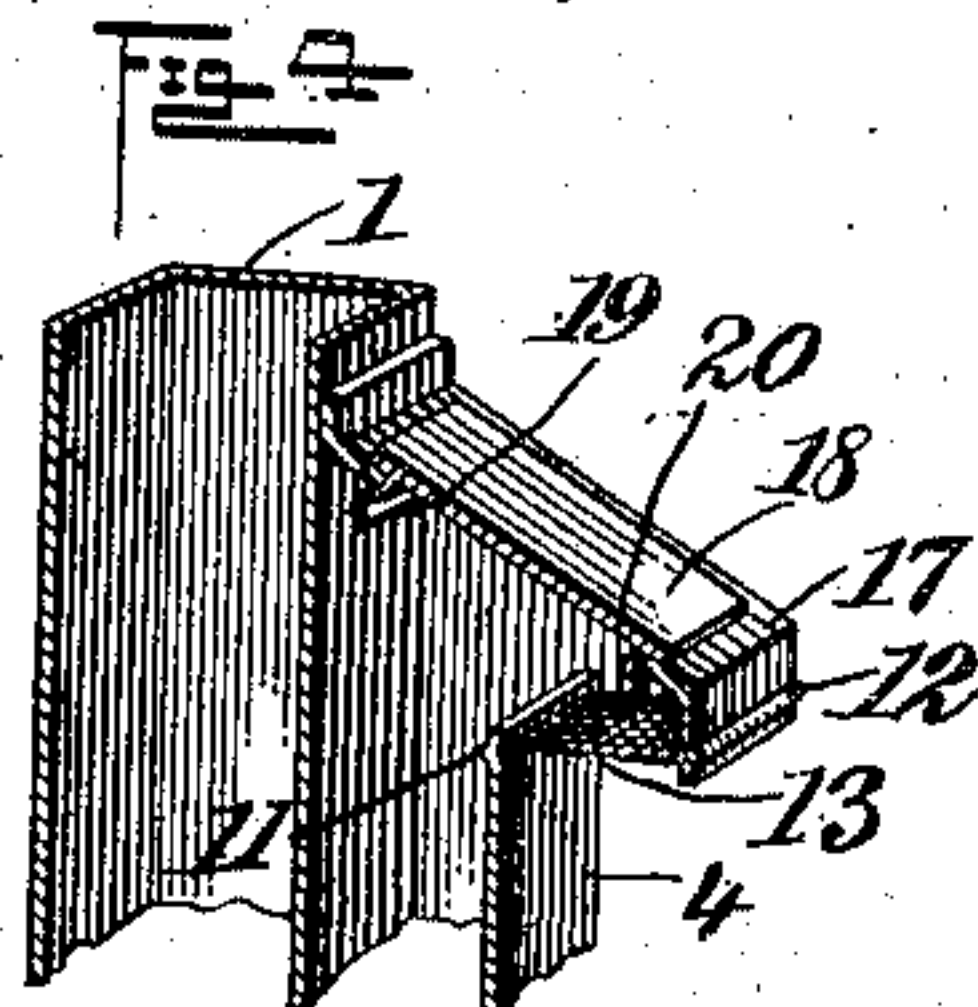
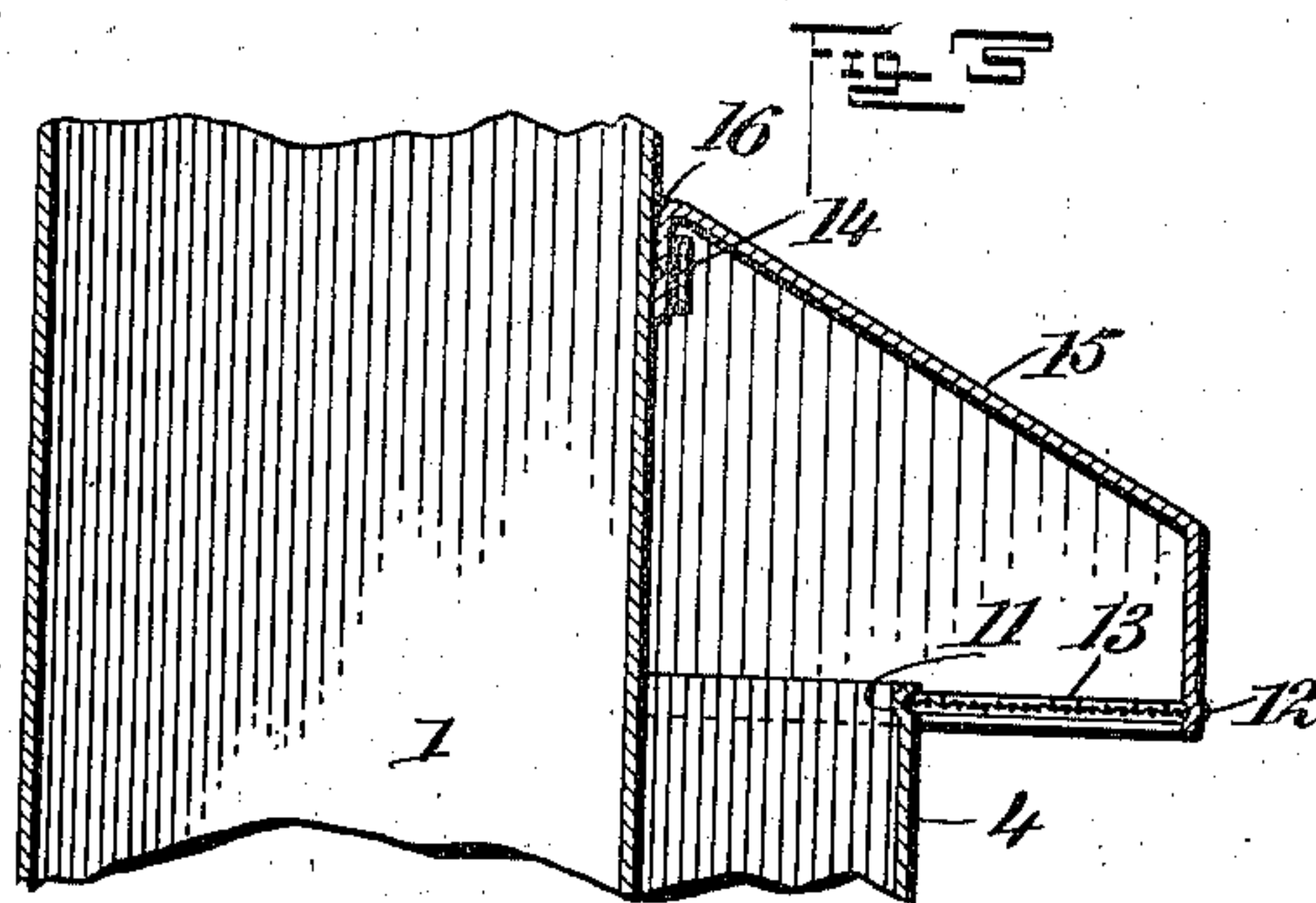
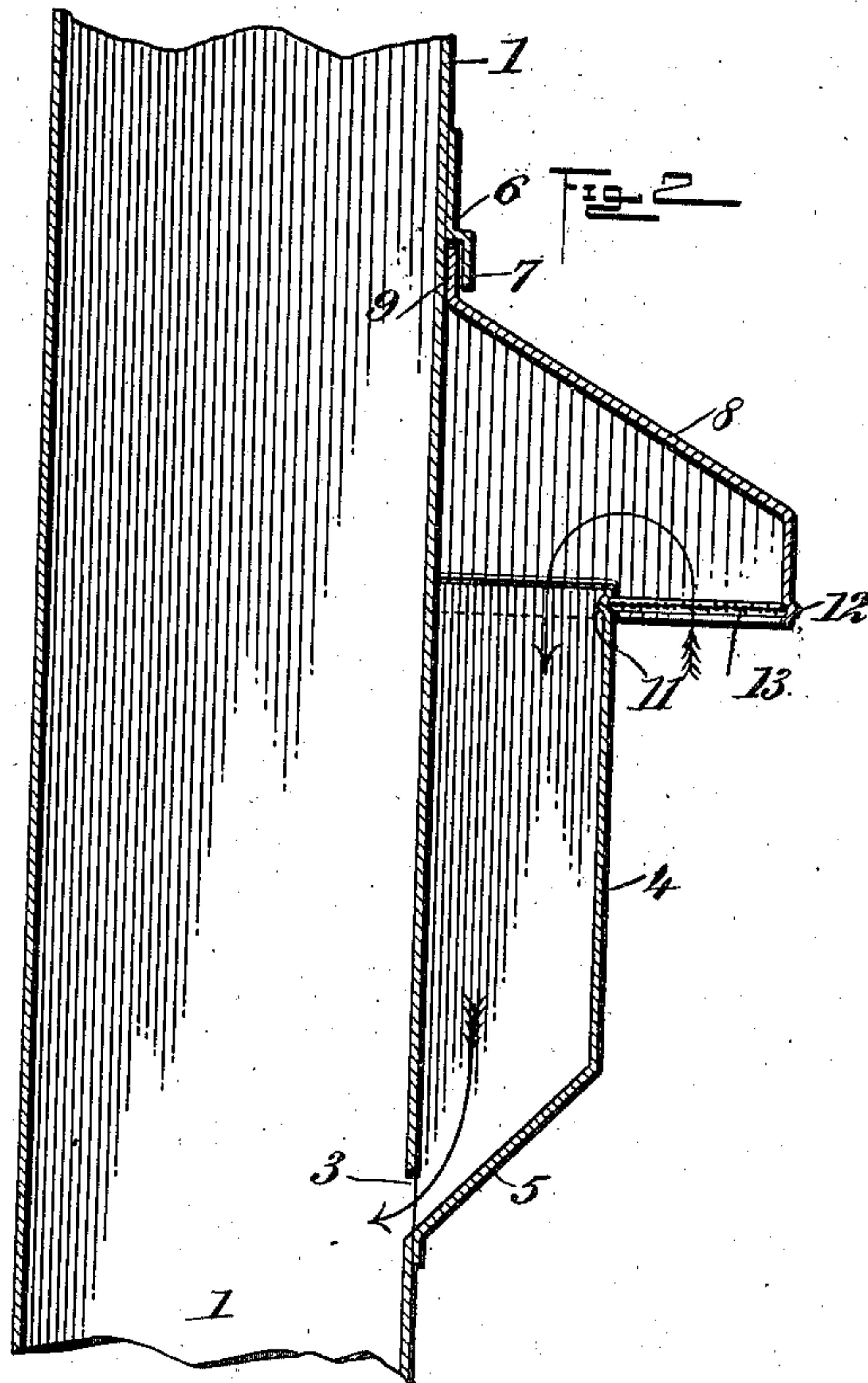
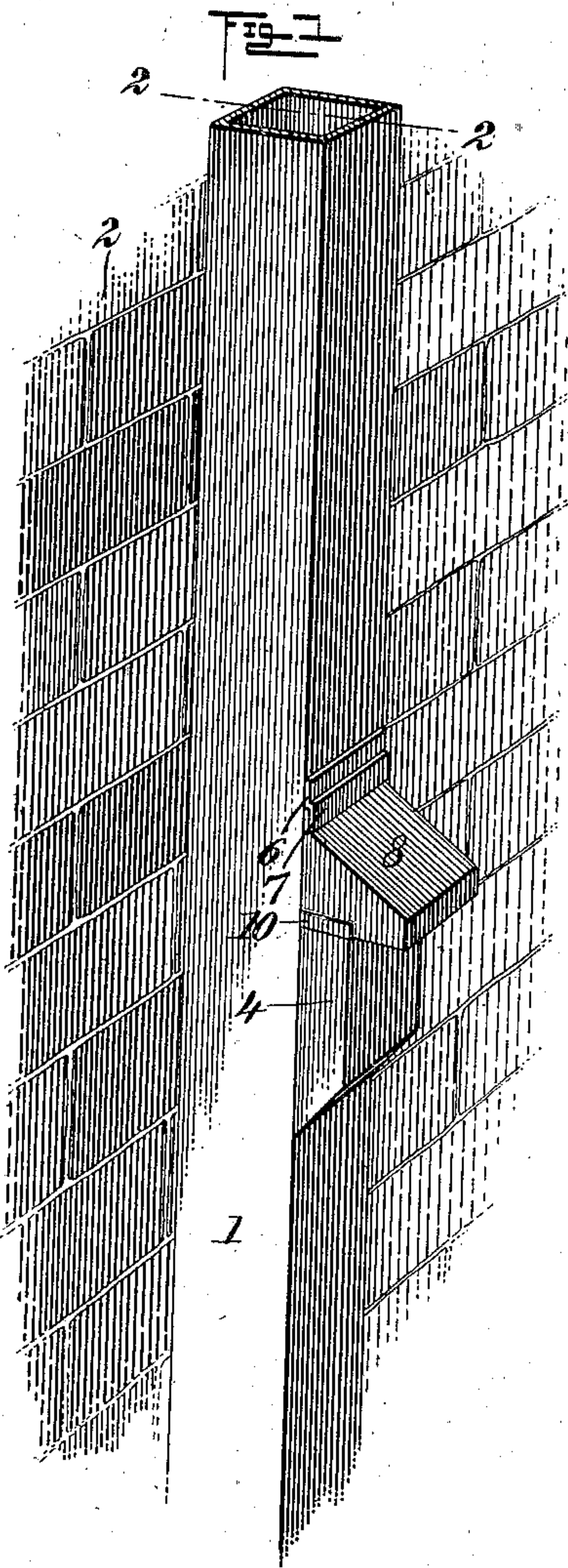
No. 737,535.

PATENTED AUG. 25, 1903.

G. M. VROOME.
VENTILATOR FOR LEADER PIPES.

APPLICATION FILED APR. 16, 1903.

NO MODEL.



WITNESSES:
Garrett M. Vroome
W. Harrison

INVENTOR
Garrett M. Vroome
BY *Mumford*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

GARRETT MARTLING VROOME, OF NEW YORK, N. Y.

VENTILATOR FOR LEADER-PIPES.

SPECIFICATION forming part of Letters Patent No. 737,535, dated August 25, 1903.

Application filed April 16, 1903. Serial No. 152,887. (No model.)

To all whom it may concern:

Be it known that I, GARRETT MARTLING VROOME, a citizen of the United States, and a resident of the city of New York, (Castleton Corners, borough of Richmond,) in the county of Richmond and State of New York, have invented a new and Improved Ventilator for Leader-Pipes, of which the following is a full, clear, and exact description.

My invention relates to ventilators for pipes, and more particularly for pipes of the type known as "leaders" and used for conducting water from roofs of buildings to the ground or sewer.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view showing one form of my device. Fig. 2 is an enlarged vertical central fragmentary section through the same upon the line 2 2 in Fig. 1. Fig. 3 is a section somewhat similar to Fig. 2 and showing another form of my device; and Fig. 4 is a central section, otherwise similar to Fig. 1, and showing still another form of my device.

A leader 1 is mounted upon a wall 2 in the usual manner and is provided with an aperture 3, having the form of a transverse slot, extending practically across the face of the leader. Mounted upon the leader and immediately adjacent to this aperture is a box 4 of the shape shown and provided at its lower end with a slanting plate 5, preferably integral therewith, the lower edge of the plate 5 being connected with the lower edge of the aperture 3, so that the box 4 virtually constitutes an ancillary short pipe connected directly with the leader. A bearing-plate 6 of the shape shown is rigidly secured upon the face of the leader 1 and is provided with a depending lip 7, which is spaced slightly from the face of the leader, as indicated more particularly in Fig. 2. A shed 8, made of sheet material, has substantially the general form of a truncated web and is provided with a lip 9 to be engaged by the lip 7. The shed 8 is provided with beads 10, made, preferably, by crimping the sheet material outward. These beads fit neatly upon the upper surface of the box 4 and secure the shed in position. By slightly springing the

lip 7 outward and bending the bottom of the shed 8 upward the shed can be readily removed from the box 4. The upper portion of the box 4 is provided with a bead 11, extending entirely across the box. The shed 8 is also provided with a bead 12, disposed opposite the bead 11 when the shed is in its normal position. A wire screen 13 engages the beads 11 and 12, and is thereby held in position.

The structure shown in Fig. 3 is identical with that above described, with the exception that instead of the plate 6 (shown in Fig. 2) I use a strap 14, extending entirely across the face of the leader and rigidly connected therewith. The top of the shed 15 instead of being provided with the upwardly-extending lip 9, as in Fig. 2, is provided with a downwardly-extending lip 16, which is merely slipped over behind the strap 14 as the shed 15 is brought down into place.

In the form shown in Fig. 4 the leader 1, box 4, and screen 13 have the construction above described; but the shed 17 is permanently fixed by soldering or otherwise upon the leader 1. The lid 18 is provided with spring-tongues 19 20, which engage the shed 17 directly. To have access to the interior of the shed 17, the lid, 18 is simply removed somewhat after the manner of a removable top of a milk-can, when the operator can look down into the box.

The general object of my ventilator is to enable the interior of the leader to be dried quickly, thereby preventing damage to the sheet material of which the leader is composed.

I find that where a leader of sheet material is ventilated in the manner above described all moisture quickly dries out and the lifetime of the leader is thereby greatly prolonged.

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

1. A ventilator for leader-pipes, comprising a pipe-section provided with an aperture, a box disposed adjacent to said aperture and having a passage extending upwardly therefrom, and a shed portion for said box, said shed portion being provided with an aperture opening downwardly.

2. A ventilator for leader-pipes, comprising

a pipe-section provided with an aperture, a box mounted upon said pipe-section and having a passage connected with said aperture and extending upwardly therefrom, and a shed portion connected with said box, said shed portion being provided with an aperture opening downwardly.

3. A ventilator for leader-pipes, comprising a member ancillary to a leader-pipe and extending upwardly therefrom, and a shed portion connected with said leader-pipe and with said member, said shed portion being so disposed as to allow access to the interior of said member.

4. A ventilator for leader-pipes, comprising a pipe-section provided with an aperture, a box mounted upon said pipe-section and disposed adjacent to said aperture, said box having a passage leading upwardly from said aperture, and a shed portion connected with said box.

5. A ventilator for leader-pipes, comprising

a leader-pipe section provided with an aperture, a box mounted upon said leader-pipe and communicating therewith by means of said aperture, a shed mounted upon said leader-pipe and engaging said box, and a screen engaging said leader-box and said shed.

6. A ventilator for leader-pipes, comprising a leader-pipe section provided with an aperture, a box mounted upon said pipe-section and disposed adjacent to said aperture, a strap mounted upon said leader-pipe section and spaced therefrom, and a shed engaging said box and provided with a portion for engaging said strap.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GARRETT MARTING VROOME.

Witnesses:

JNO. M. RITTER,

F. W. HANAFORD.