

E. T. VALE.

DOMESTIC APPARATUS FOR CONSUMING GARBAGE.

APPLICATION FILED DEC. 7, 1905.

Fig. 1.

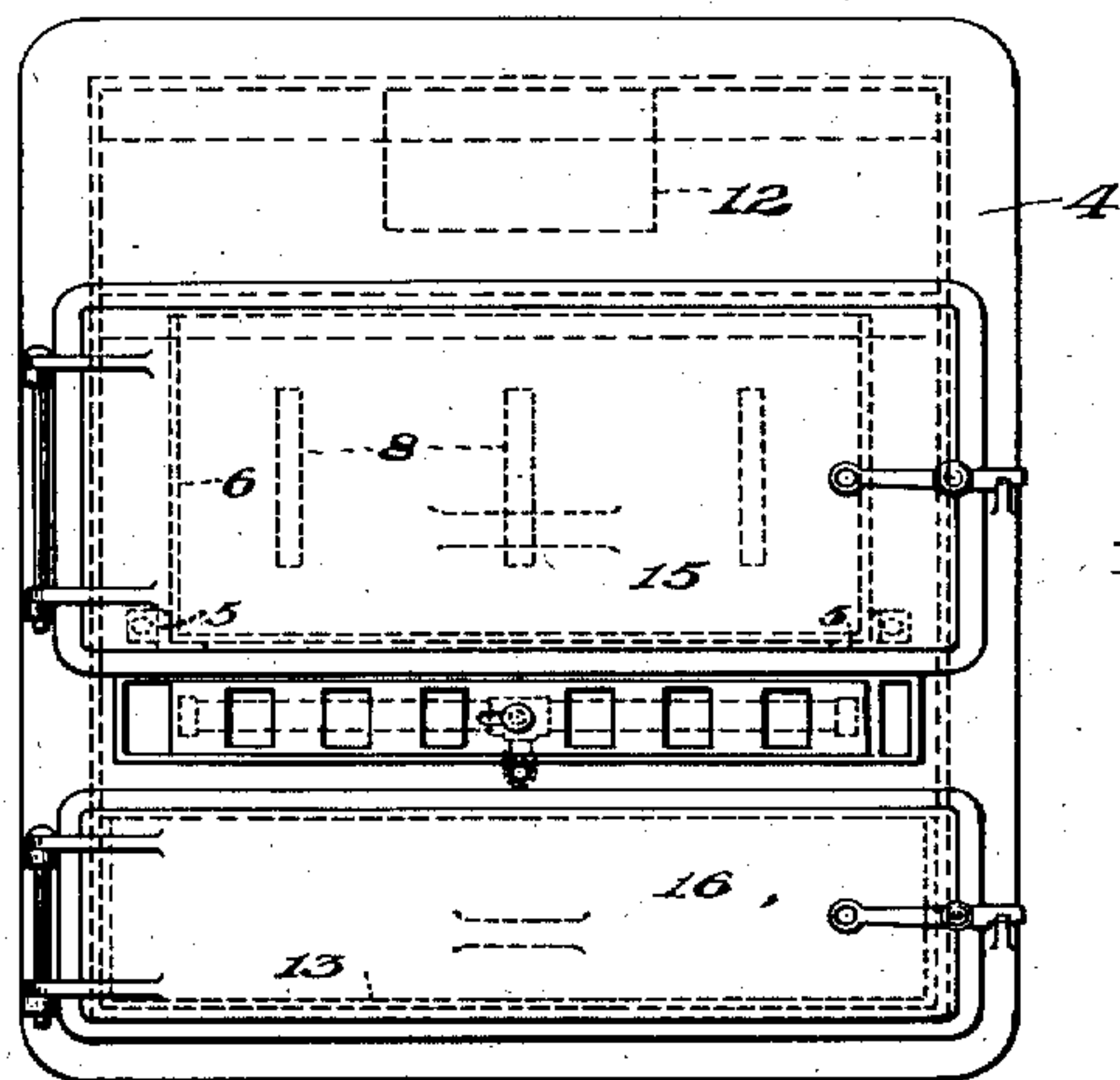


Fig. 2.

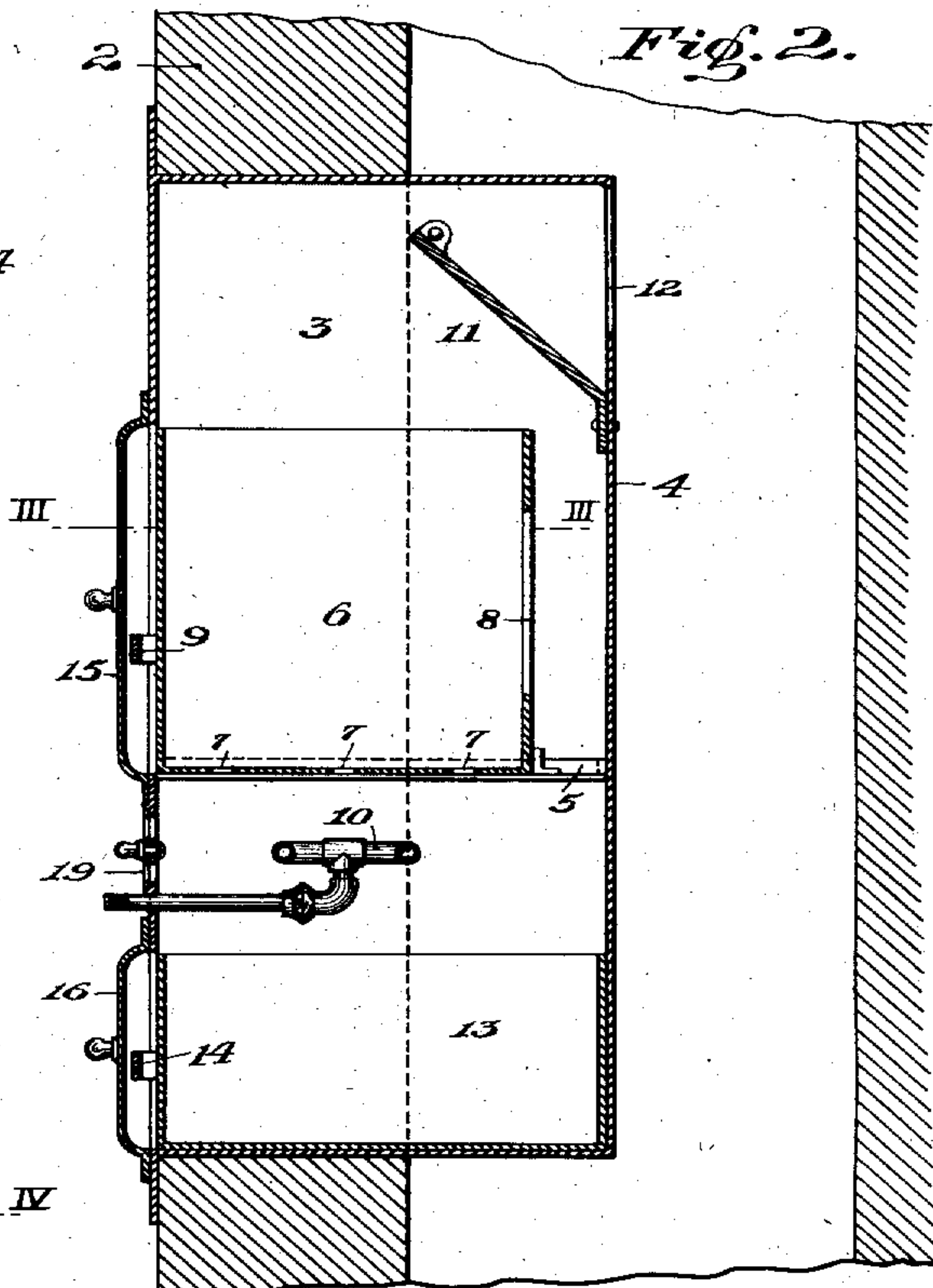


Fig. 3.

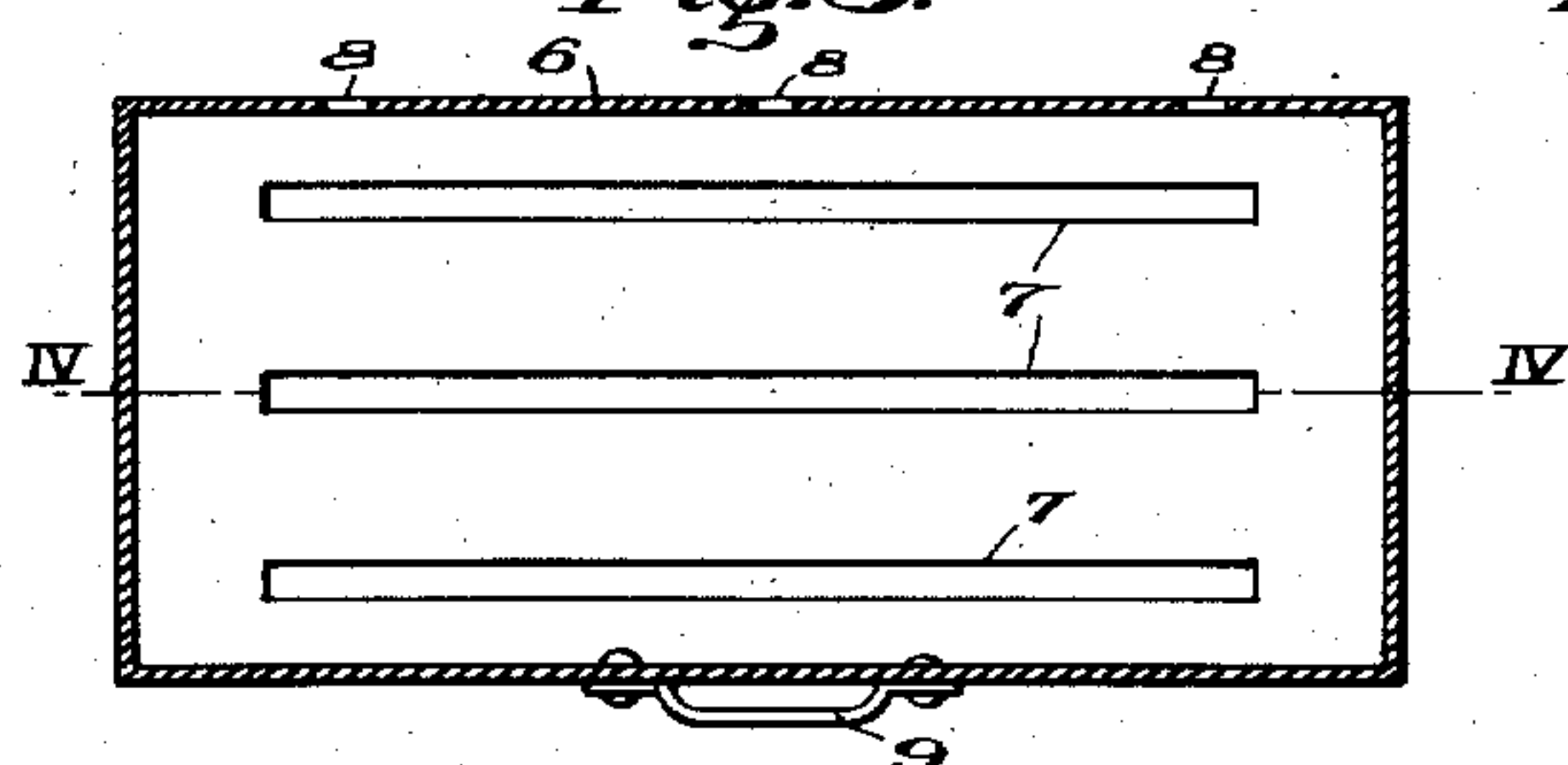


Fig. 4.

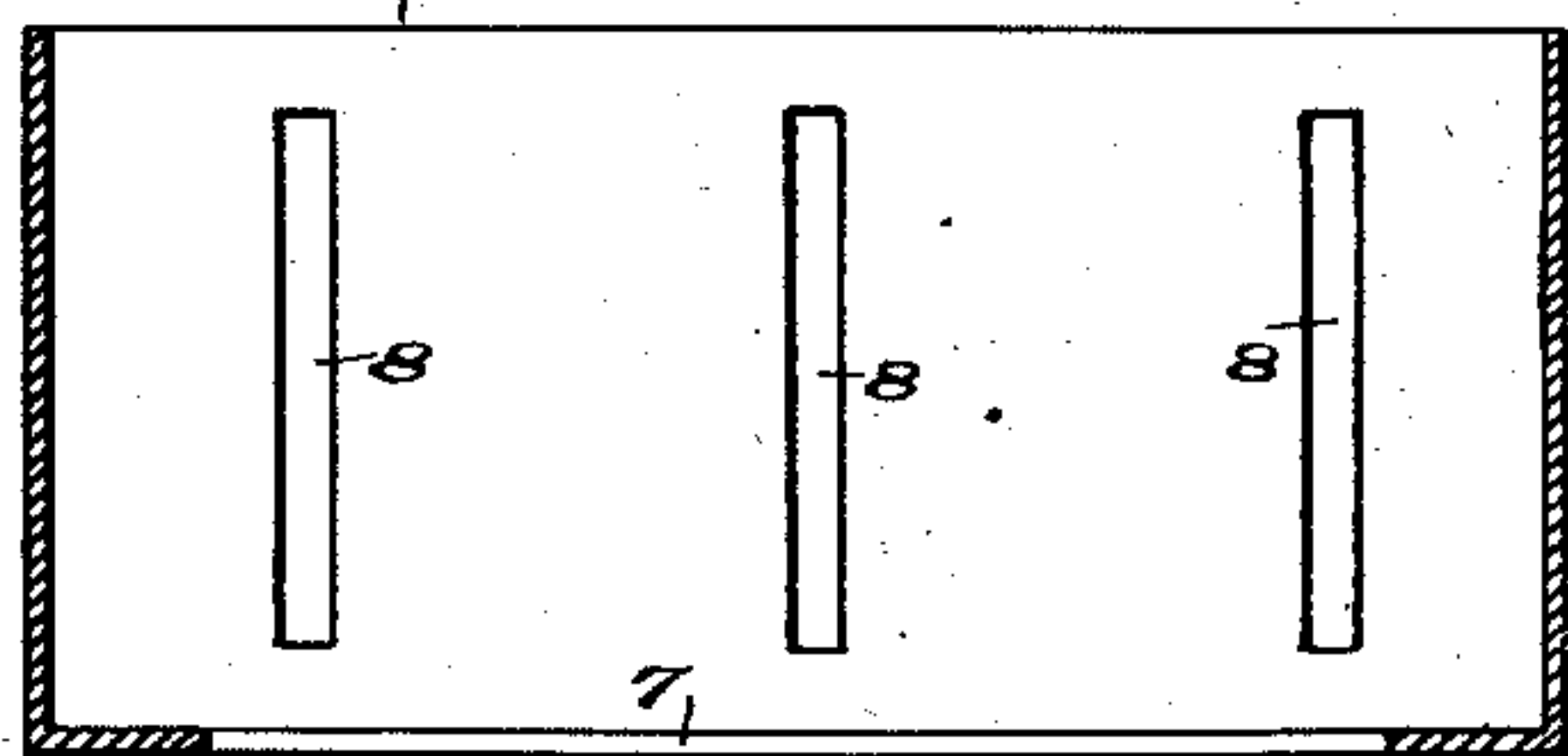
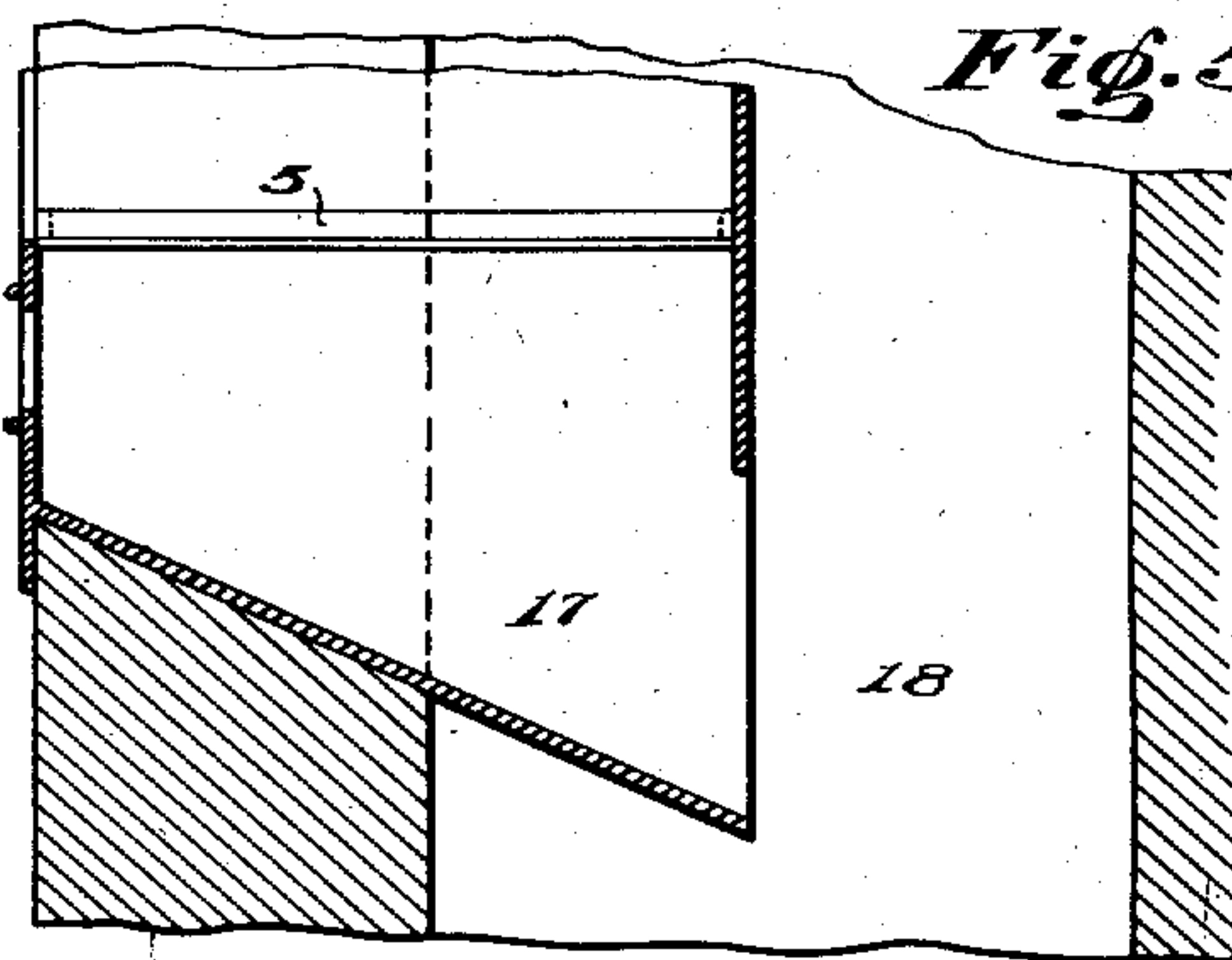


Fig. 5.



WITNESSES

Wm. Samariss
Wm. Barth.

INVENTOR

Elizabeth T. Vale
by James K. Bateman
her Attorney

UNITED STATES PATENT OFFICE.

ELIZABETH T. VALE, OF SHERIDANVILLE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO GOTTFRED MECKFESSEL, OF SHERIDANVILLE, PENNSYLVANIA, AND ONE-HALF TO JOHN W. VALE, OF OAKDALE, PENNSYLVANIA.

DOMESTIC APPARATUS FOR CONSUMING GARBAGE.

No. 817,022.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed December 7, 1905. Serial No. 290,821.

To all whom it may concern:

Be it known that I, ELIZABETH T. VALE, of Sheridanville, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Domestic Apparatus for Consuming Garbage, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front elevation of my improved apparatus. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a horizontal sectional view of the garbage-can on the line III III of Fig. 2. Fig. 4 is a vertical sectional view of the garbage-can on the line IV IV of Fig. 3. Fig. 5 is a vertical sectional view showing a modified form of drip-receptacle.

Like symbols of reference indicate like parts wherever they occur.

My invention relates to an improvement in domestic apparatus for consuming garbage; and it consists in a garbage-can having openings to permit the passage and circulation of flames and heat, a combustion-chamber built in the structure of the chimney of a dwelling-house, the combustion-chamber being provided with a burner and a flue or passage communicating with the flue of the chimney, and a drip pan or chute for the removal of any drippings which may pass from the garbage.

I will now describe my invention, so that others skilled in the art to which it appertains may manufacture and use the same.

In the drawings, 2 represents the brickwork of the chimney, and 3 the combustion-chamber, which is formed by a metal casing 4 set in the brickwork. Supported on angle-bars 5 is the garbage-can 6, which is made of metal, open at the top and having slots or openings 7 in the bottom and vertical slots 8 formed in one or more of the vertical side walls of the can. In the drawings I have shown the slots formed in the rear wall. In the front wall is a handle 9, by which the can may be withdrawn from its place in the combustion-chamber 3. Below the garbage-can 6 in the combustion-chamber 3 is a gas-burner 10. As the garbage-can 6 is of less depth and width than the depth and width of

the combustion-chamber 3, the flames and heat arising from the burner not only pass through the slots 7 and 8, but pass in the rear of and at both sides of the can, where they consume all gases passing from the garbage. In the combustion-chamber 3 above the garbage-can 6 is a baffle-plate 11, in rear of which is the flue 12, that communicates with the chimney-flue. Below the burner 10 is the drip-pan 13, as shown in Fig. 2, which pan is provided with a handle 14, that enables it to be withdrawn from the combustion-chamber. In the front of the garbage-can 6 is an outer door 15, which serves to tightly close the combustion-chamber 3 and yet permit of the withdrawal and replacement of the can 6. A similar door 16 in front of the drip-pan 13 serves a similar purpose for this pan. In the modification shown in Fig. 5 a chute 17 takes the place of the drip-pan 13 and delivers the drippings to the chimney-flue 18. In front of the burner 10 is a register 19, by means of which air is permitted to pass to the combustion-chamber for the purpose of supporting combustion therein.

My invention may be applied to chimneys in dwelling-houses by the mere removal of the brickwork and the insertion of the casing 4. In new houses the casing may be inserted as the chimney is built.

What I claim, and desire to secure by Letters Patent, is—

1. In a domestic garbage-furnace the combination of a combustion-chamber formed of a casing set in the brickwork of the chimney, a removable garbage-can adapted to be placed within the combustion-chamber, a gas-burner situate below the garbage-can in the combustion-chamber, a passage connecting the combustion-chamber with the chimney-flue, and a door in the combustion-chamber casing; substantially as specified.

2. In a domestic garbage-furnace the combination of a combustion-chamber formed of a casing set in the brickwork of the chimney, a removable garbage-can adapted to be placed within the combustion-chamber, a gas-burner situate below the garbage-can in the combustion-chamber, a passage connecting the combustion-chamber with the chimney-flue, a door in the combustion-chamber

casing, and a receptacle for the drippings from the garbage-can; substantially as specified.

3. In a domestic garbage-furnace the combination of a combustion-chamber formed of a casing set in the brickwork of the chimney, a removable garbage-can having openings in the bottom and in one or more sides and adapted to be placed within the combustion-chamber, a gas-burner situate below the garbage-can in the combustion-chamber, a passage connecting the combustion-chamber with the chimney-flue, and a door in the combustion chamber casing; substantially as specified.

4. In a domestic garbage-furnace the combination of a combustion-chamber formed of a casing set in the brickwork of the chimney,

a removable garbage-can adapted to be placed within the combustion-chamber, said garbage-can being of less depth and width than the depth and width of the combustion-chamber thereby forming flues at the back and sides of the garbage-can, a gas-burner situate below the garbage-can in the combustion-chamber, a passage connecting the combustion-chamber with the chimney-flue, and a door in the combustion-chamber casing; substantially as specified.

In testimony whereof I have hereunto set my hand.

ELIZABETH T. VALE.

Witnesses:

ALICE E. DUFF,
C. E. EGGERS.

Corrections in Letters Patent No. 817,022.

It is hereby certified that Letters Patent No. 817,022, granted April 3, 1906, upon the application of Elizabeth T. Vale, of Sheridanville, Pennsylvania, for an improvement in "Domestic Apparatus for Consuming Garbage," was erroneously issued to "Gottfred Meckfessel and John W. Vale" as owners of the entire interest, whereas said Letters Patent should have been issued to said *Elizabeth T. Vale and Gottfred Meckfessel and John W. Vale*, they being joint owners of said invention as shown by the record of assignments in this office; and that in line 8 of the grant and line 4 of the heading of the printed specification, the words "one-half" should read *one-fourth*; and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 24th day of April, A. D., 1906.

[SEAL.]

E. B. MOORE,
Acting Commissioner of Patents.

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3. In a domestic garbage-furnace the combination of a combustion-chamber formed of a casing set in the brickwork of the chimney, a removable garbage-can having openings in the bottom and in one or more sides and adapted to be placed within the combustion-chamber, a gas-burner situate below the garbage-can in the combustion-chamber, a passage connecting the combustion-chamber with the chimney-flue, and a door in the combustion chamber casing; substantially as specified.

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a removable garbage-can adapted to be placed within the combustion-chamber, said garbage-can being of less depth and width than the depth and width of the combustion-chamber thereby forming flues at the back and sides of the garbage-can, a gas-burner situate below the garbage-can in the combustion-chamber, a passage connecting the combustion-chamber with the chimney-flue, and a door in the combustion-chamber casing; substantially as specified.

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