

(No Model.)

E. W. VISGER.

ASH RECEPTACLE FOR FURNACES.

No. 323,986.

Patented Aug. 11, 1885.

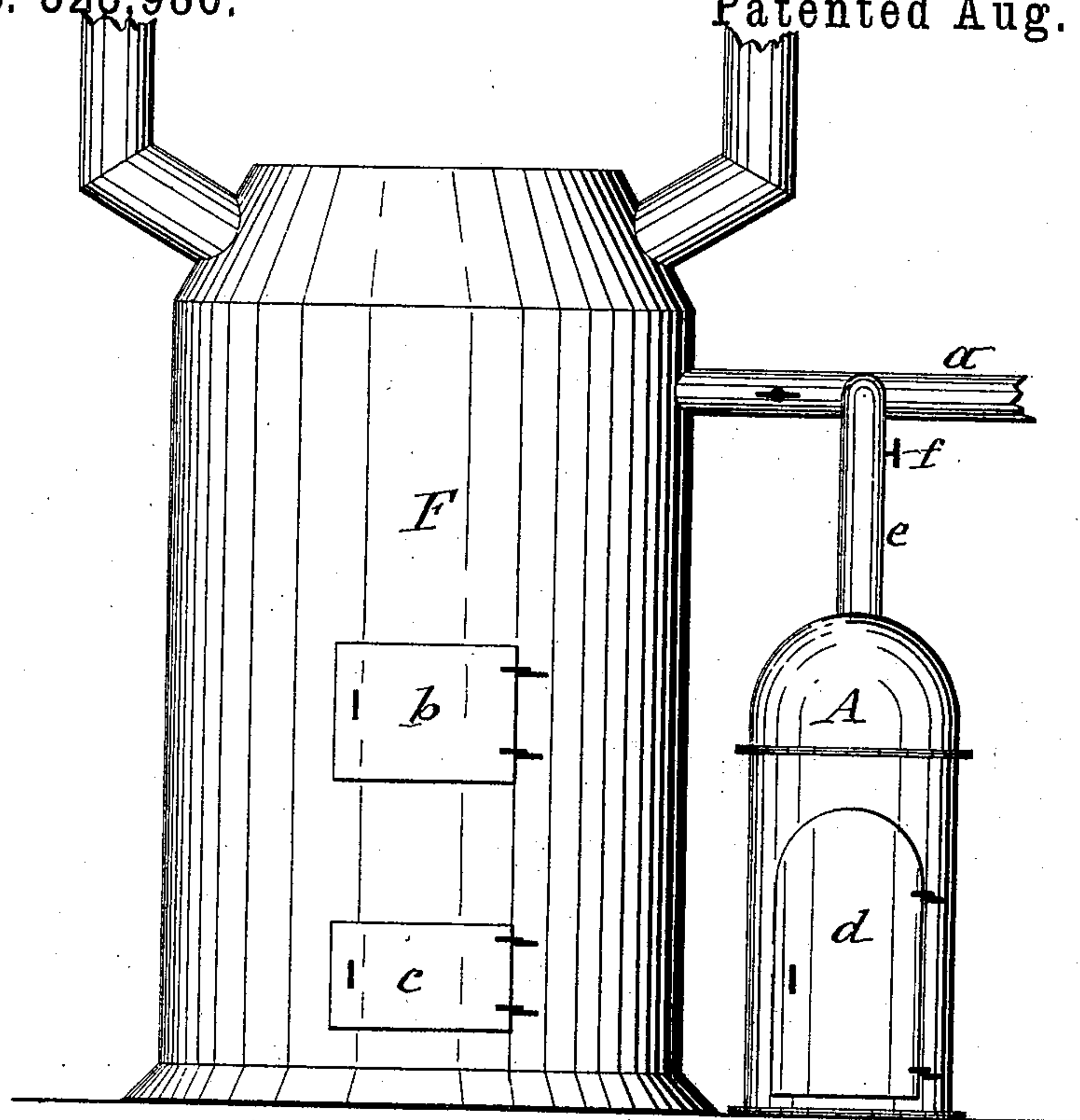


FIG-1-

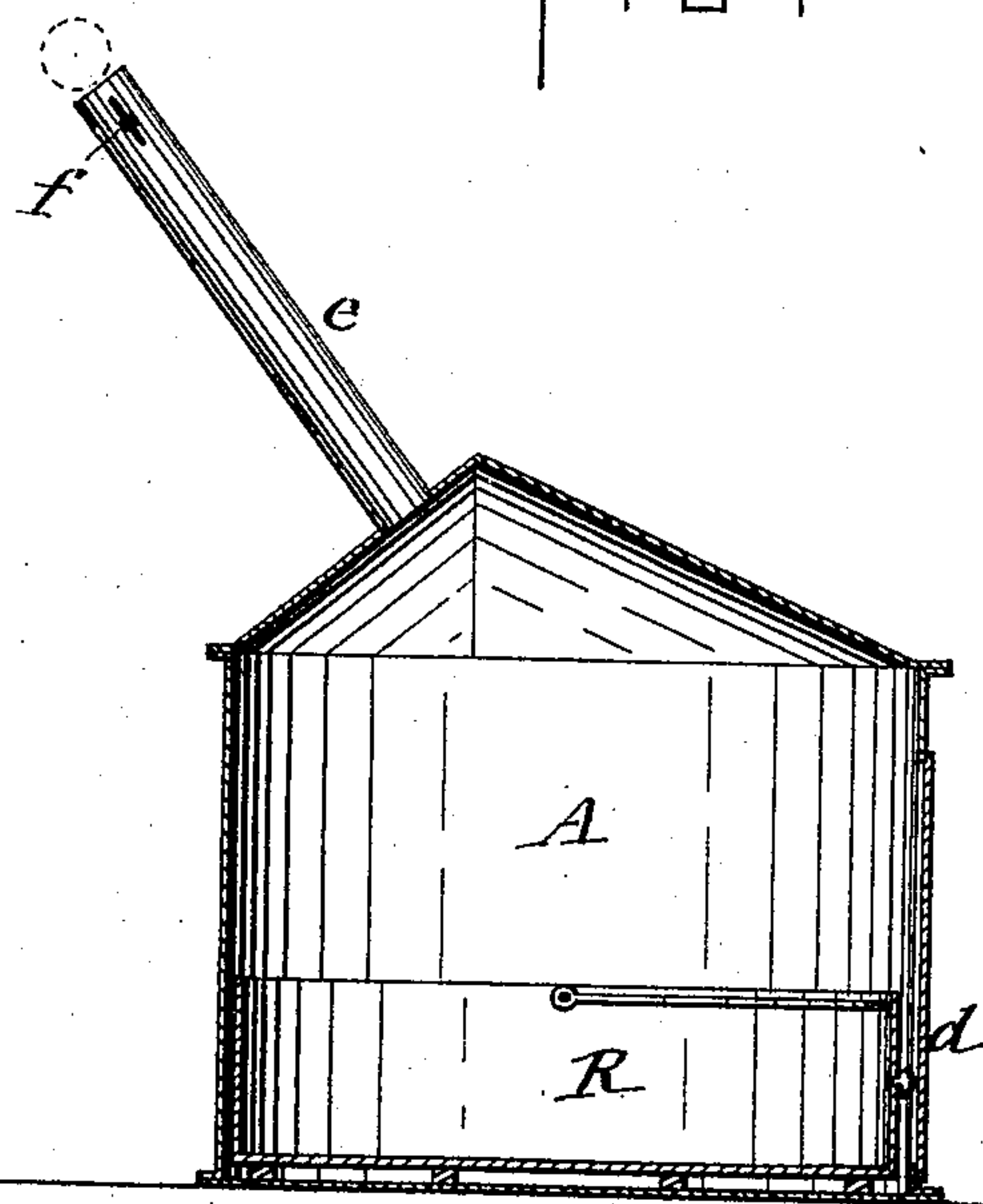


FIG-2-

ATTEST—

—*Wm. S. Raymond*—
—*C. Bendison*—

INVENTOR—

—*Elisha W. Visger*—
—*per D. M. L. & W.*—
—*his attys*—

UNITED STATES PATENT OFFICE.

ELISHA W. VISGER, OF ALEXANDRIA BAY, NEW YORK.

ASH-RECEPTACLE FOR FURNACES.

SPECIFICATION forming part of Letters Patent No. 323,986, dated August 11, 1885.

Application filed January 10, 1885. (No Model.)

To all whom it may concern:

Be it known that I, ELISHA W. VISGER, of Alexandria Bay, in the county of Jefferson in the State of New York, have invented
5 new and useful Improvements in Ash-Receptacles for Furnaces, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

The purpose of this invention is to guard
10 against the diffusion of dust incident to the removal of ashes from the ash-pit of a furnace; and to that end the invention consists in the combination, with the furnace and exit-flue, of a case, separate and detached from the fur-
15 nace and its ash-pit, a pipe leading from the said case to the exit-flue, and an ash-receptacle removably inclosed in said case, all as hereinafter more fully described, and specifically set forth in the claim.

20 In the annexed drawing, Figure 1 is a front elevation of my invention as arranged for use in connection with a hot-air furnace, and Fig. 2 is a detached vertical section of my invention.

25 Similar letters of reference indicate corresponding parts.

F represents a hot-air furnace, of any well-known style. *a* is the exit smoke-flue thereof. *b* is the feed-door, and *c* the ash-pit door,
30 through which to remove the ashes—the ashes being usually removed by means of a shovel, and dumped into a barrel or other suitable receptacle, by which to carry the ashes out of the house.

35 In the operation of transferring the ashes from the pit of the furnace to the aforesaid receptacle more or less dust is caused to rise therefrom and become diffused in the house. To obviate this, I have devised a case, *A*,
40 (which is separate and detached from the furnace and its ash-pit,) preferably of sheet-metal, and made air-tight, with the exception of a

door, *d*, through which to introduce and remove the ash-receptacle *R*, and a flue, *e*, which is extended from the case *A* to the exit-flue *a* 45 of the furnace, or may be extended to the chimney or out of the house, to carry off the dust arising from the ashes when transferring the same from the ash-pit of the furnace to the receptacle *R* inclosed in the case *A*. 50 Said receptacle is removable through the door *d*, and when full can be carried out of the house to dump the ashes out of doors. By placing the case *A* in convenient proximity to the furnace *F*, and using proper care in 55 transferring the ashes from the ash-pit to the receptacle *R*, the diffusion of dust through the house is entirely obviated. The flue *e* I provide with a damper, *f*, which is to be opened during the operation of depositing ashes in the 60 receptacle *R*, so as to allow the draft through said flue to carry away the dust. So soon as the ashes have been deposited in the receptacle, the damper *e*, and door *d* are to be closed, to allow the remaining dust to settle in the 65 receptacle *R*.

Having described my invention, what I claim is—

In combination with the furnace and exit flue, a case separate and detached from the 70 furnace and its ash-pit, a pipe leading from said case to the exit-flue, and an ash-receptacle removably inclosed in the case, substantially as set forth and shown.

In testimony whereof I have hereunto signed 75 my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York this 19th day of December, 1884.

ELISHA W. VISGER.

Witnesses:

FREDERICK H. GIBBS,
CHARLES E. BURKE.