

T. C. EVANS.
FURNACE PAN.
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912,980.

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Fig. 1.

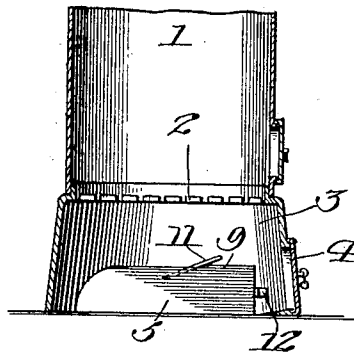
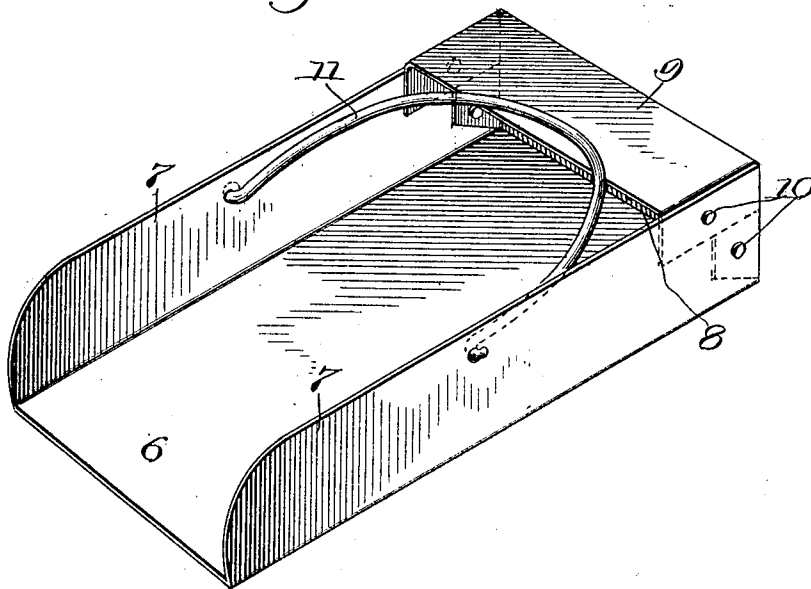


Fig. 2.



Witnesses:
Chas. Vermick
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UNITED STATES PATENT OFFICE.

THOMAS C. EVANS, OF KANKAKEE, ILLINOIS, ASSIGNOR OF ONE-HALF TO PHILIP W. WORTH,
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FURNACE-PAN.

No. 912,980.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS C. EVANS, a citizen of the United States, residing at Kankakee, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Furnace-Pans, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to pans for use in connection with furnaces, and its object is to provide a simple, practical and inexpensive device by which the ashes can be readily gathered and removed from the furnace.

The device which I show herein for carrying out my invention is in the general form of a pan adapted to be inserted into the lower part, or the ash pit, of a furnace, and also adapted to be bodily removed therefrom and to be carried away from the furnace to any place it is desired to deposit the ashes. To such end the pan is constructed so that when removed from the furnace it can be carried with the ashes in it, and it is provided with suitable means by which it can be readily withdrawn from the furnace and carried after being withdrawn, so as to prevent spilling the ashes.

The device which I show herein more specifically considered comprises a pan having an open upper or forward end and a partly closed lower end, whereby, when in place in the furnace, the open upper end will receive the ashes and the closed lower end will prevent the same from falling out when the pan is being carried. The pan is also provided with a handle by which it can be carried in an upright or partially upright position, with the ashes held in place by the closed lower end.

In the accompanying drawings, Figure 1 is a vertical section of the lower part of a furnace, provided with a pan embodying my invention. Fig. 2 is a perspective view of the pan itself.

Referring first to Fig. 1, the furnace is provided with an upper part 1, a grate, 2, and a lower part or ash pit, 3, having a door, 4. The construction of furnace shown is merely to illustrate the invention. Within the ash pit, 3, is shown a pan, 5, embodying my present invention. This pan may be made in any suitable form or style; that shown having a bottom, 6, sides 7—7, and an end piece

8, forming an upright end extending between the sides 7—7, and also forming an overhang, 9, extending forwardly from the rear ends of the sides 7—7, and from the end, 8. This end piece is conveniently secured to the main body of the device by rivets, 10—10. A handle, 11, for carrying the pan is pivoted to the sides 7—7, and another handle 12, for withdrawing the pan from the furnace is secured to the back or end, 8. Thus it will be seen that the device can be used by placing it in the furnace as shown in Fig. 1, so as to receive the ashes therefrom. The pan can be left continuously in the furnace to receive the ashes as they fall, or it can be pushed into the ash pit, 3, after the ashes have accumulated therein, and when it is desired to remove them. In either case the pan is in position in the ash pit filled or partially filled with ashes. It is then removed by taking hold of the handle, 12, and drawing upon it, and when removed is lifted by the handle, 11, which is so located that the pan when carried by such handle will be in a position inclined slightly from the vertical, so that the ashes will rest upon the bottom, 6, and be held in position by the partially closed lower end of the device. The ashes can then be carried to any desired place, either to a barrel or ash heap, or elsewhere, and after being emptied the pan will be taken back and placed in the furnace or beside it, as desired. Thus it will be seen that the device makes it unnecessary to shovel ashes out of the furnace, and makes two handlings of the ashes unnecessary. The ashes can be removed and transported to any desired place by the use of this simple and single device. Also the unnecessary and undesirable dirt and dust of shoveling and handling the ashes is avoided.

It will be understood that changes and modifications can be made without departing from the spirit of the invention.

What I claim as my invention is:

1. A device of the class specified, comprising a pan adapted for insertion into the ash-pit of a furnace, and having an open forward end, and a closed rear end, and also having a pivotally connected handle attached to the sides of the pan at such points as to cause the pan to tilt downwardly at its rear end to hold the ashes in the pan when the same is being carried by the handle.

2. A device of the class specified, comprising a pan having a forward open end, and a

closed rear end, which latter is provided with a forwardly extending over-hang, 9, and a handle, 11, pivotally connected with the sides of the pan, forward of the middle thereof, 5 whereby the pan can be carried by the handle, and when so carried will tilt downwardly at its rear end to hold the ashes in position.

3. A device of the class specified, comprising a pan formed of a sheet of metal with 10 upturned edge portions, forming sides 7, 7, a sheet metal member secured to the rear of

the sides of said pan, and forming an inclosed rear end for the pan, and a forwardly extending over-hang, 9; and a handle, 11, pivotally connected to the sides 7, 7 forward 15 of the middle thereof.

In witness whereof I hereunto subscribe my name this 11th day of March, A. D., 1908.

THOMAS C. EVANS.

Witnesses:

ED. HOENNICKE,
W. H. SPENCE.