M. CARNEY.

ATTACHMENT FOR STOVES.

APPLICATION FILED SEPT. 16, 1909

944,317. Patented Dec. 28, 1909.

Fig. 1.

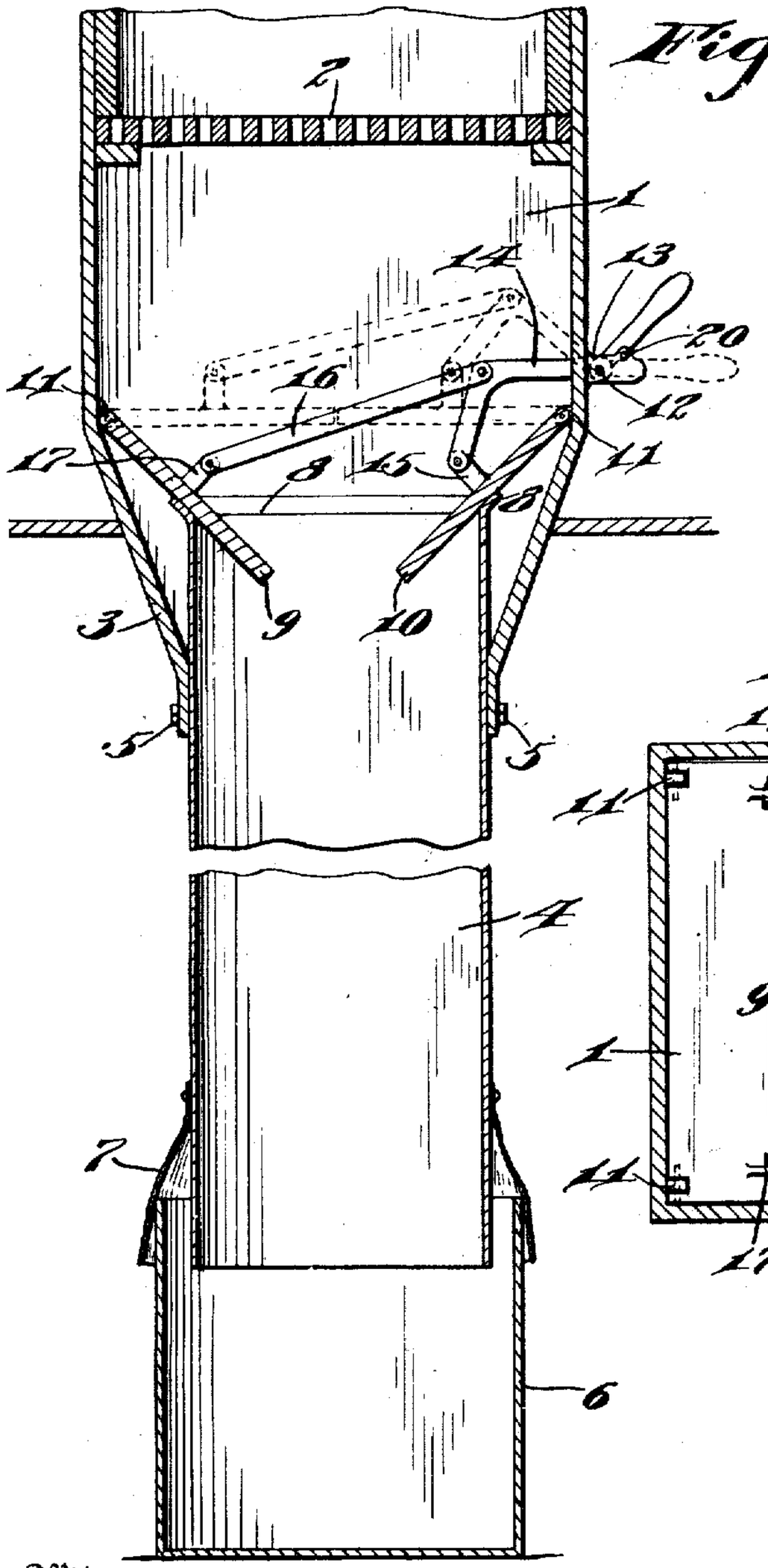
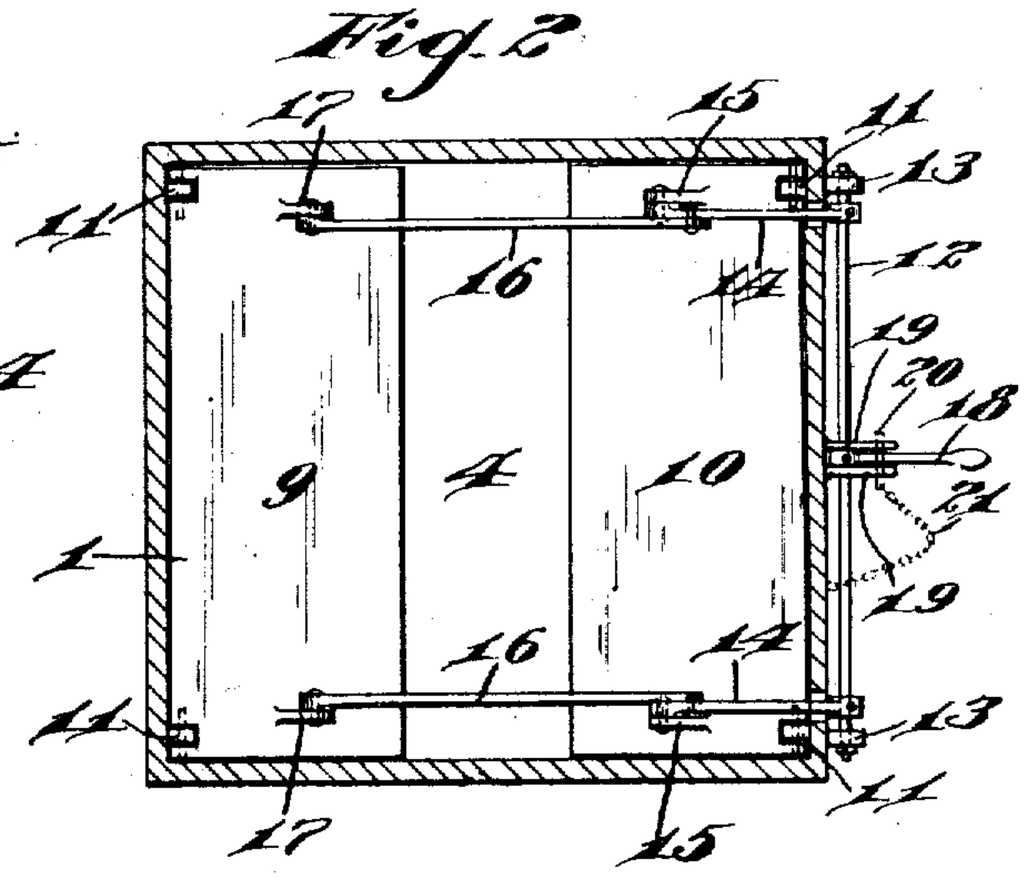


Fig. 2.



Witnesses

Thos. Rosemund.

J. A. L. Mulhall.

Inventor

Mame Carney,

By Joshua R. H. Potts.

Attorney

UNITED STATES PATENT OFFICE.

MAME CARNEY, OF PHILADELPHIA, PENNSYLVANIA.

ATTACHMENT FOR STOVES.

944,317. Specification of Letters Patent. Patented Dec. 28, 1909.

Application filed September 16, 1909. Serial No. 517,988.

To all whom it may concern:

Be it known that I, MAME CARNEY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Attachments for Stoves, of which the following is a specification.

My invention relates to an improved attachment for stoves, the object of the invention being to provide an improved construction of ashpit for the stove, in connection with a pipe or chute, and a receptacle located in the room below, whereby the ashes from the stove may be deposited in the chute and directed into a receptacle in the cellar, thus obviating the necessity for carrying the ashes, and the consequent dirt caused thereby.

A further object is to provide an improved construction of bottom for the ashpit, which bottom comprises a pair of hinged doors having improved means for moving the doors to closed position, locking them in closed position, and permitting them to open by the weight of the ashes thereon.

With these and other objects in view, the invention consists in certain novel features of construction, and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1, is a view in vertical section illustrating my improvements, and Fig. 2, is a view in horizontal section through the ashpit.

1 represents the ashpit of a stove, located below the ordinary grate 2, and provided with a hopper like bottom 3, up into which a pipe or chute 4 projects, and is secured by screws 5 or other suitable securing devices. The lower end of this chute which projects into the cellar is disposed within the upper end of a box or receptacle 6, and a curtain 7, preferably of flexible material is secured to pipe or chute 4 and positioned around the upper end of receptacle 6, to prevent dust from escaping from the receptacle 6 when the ashes fall therein. The upper end of pipe or chute 4 which projects up into the hopper like bottom 3, is provided with an outwardly flared upper end 8, which serves to limit the downward movement of my improved doors 9 and 10, the latter having hinged connection with lugs 11 in the ashpit, which allows the doors to open and close.

12 represents a shaft which is supported in lugs 13 on the outside of ashpit 1, and crank arms 14 in the form of an angle as illustrated most clearly in Fig. 2, are secured to the shaft 12, and at their other ends are pivotally connected to lugs 15 on door 10. These arms 14 are also pivotally connected by links 16 with lugs 17 on door 9, so as to compel the doors to operate simultaneously as will hereinafter appear. A handle 18, in the form of a crank arm, is secured to shaft 12 about midway the ends of the latter, and moves between parallel ears 19 on the front of the ashpit 1, and these ears 19 are provided with registering openings to receive a pin 20, which latter is adapted to be positioned over the arm or handle 18 when the doors are in closed position, to prevent the upward movement of the handle, and hence prevent any opening movement of the doors 9 and 10.

The operation is as follows: The parts as shown in Fig. 1 are in position for dumping the ashes from ashpit 1 into pipe or chute 4, and from the latter into the box or receptacle 6. To close the doors, after dumping, handle 18 is forced downward to turn shaft 12, and through the medium of arms 14 and links 16, bring both doors to horizontal position, and the parts to the position shown in dotted lines in Fig. 1, when the pin 20 can be positioned across the upper side of the handle to hold the doors in this position. When ashes accumulate on the doors 9 and 10, it is simply necessary to remove pin 20, which latter is preferably provided with a chain 21 or other connecting device securing the same to the ashpit 1 to prevent misplacement. When the pin 20 is removed, the weight of the ashes on doors 9 and 10 will cause the latter to drop to the position shown in full lines in Fig. 1, and the contents of the ashpit will be directed into the receptacle below.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the claims.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a device of the character described,

the combination with an ashpit having a hopper like bottom, a pipe or chute projecting up into the hopper like bottom, hinged doors forming a closure for the bottom of said ashpit, adapted when in open position to be supported on the upper end of said pipe, and means for moving said doors.

2. In a device of the character described, the combination with an ashpit having a hopper like bottom, of a pipe or chute projecting up into and secured in the hopper like bottom, and having an outwardly flared upper end, doors hinged in the ashpit, and adapted when in open position to rest against the outwardly flared upper end of said pipe or chute, a receptacle into which the lower end of said pipe or chute projects, and a flexible curtain secured to said pipe or chute and overlapping said receptacle.

3. In a device of the character described, the combination with an ashpit, doors hinged in said ashpit, and forming a closure at the bottom thereof, means for conveying ashes from said pit into the room below, and the crank shaft mounted on said ashpit, arms connecting said crank shaft with one of said doors, links connecting said arms with the other of said doors, a handle on said shaft, parallel perforated ears on opposite sides of said handle, and a pin adapted to be positioned in said ears above the handle when the doors are in closed position to prevent the opening movement of said doors.

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

MAME CARNEY.

Witnesses:
J. R. H. PORTS,
J. A. L. MULHALL.