J. A. OSBURN.

DUST HOOD FOR ASH CANS.

APPLICATION FILED JAN. 30, 1920.

1,372,539.

Patented Mar. 22, 1921.

Fig. 1.

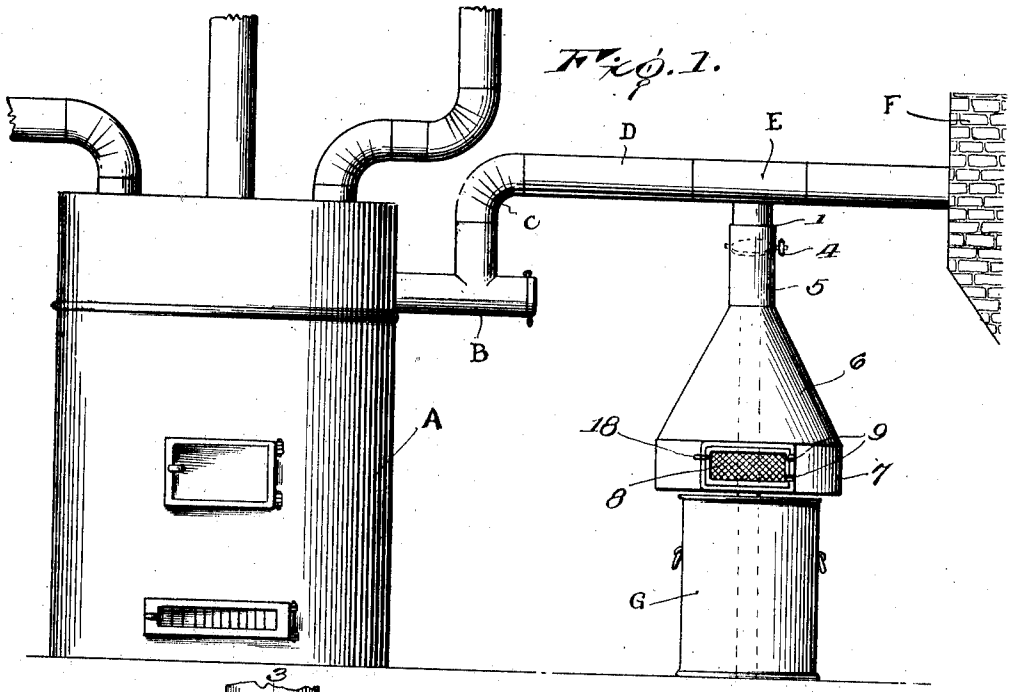


Fig. 2.

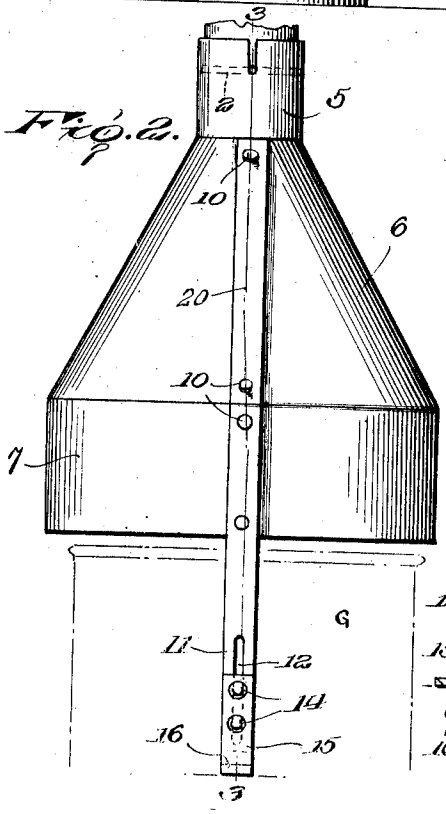
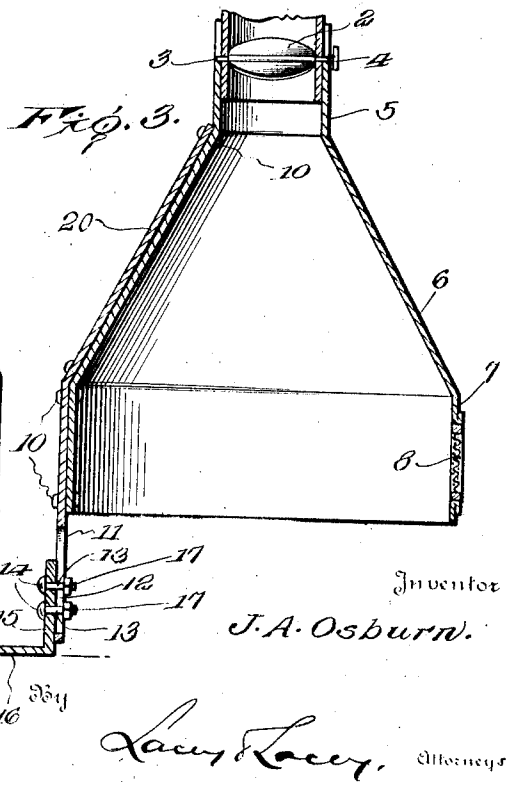


Fig. 3.



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UNITED STATES PATENT OFFICE.

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DUST-HOOD FOR ASH-CANS.

1,372,539. Specification of Letters Patent. Patented Mar. 22, 1921.

Application filed January 30, 1920. Serial No. 355,136.

To all whom it may concern:

Be it known that I, JOHN A. OSBURN, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Dust-Hoods for Ash-Cans, of which the following is a specification.

This invention relates to a dust remover for ash cans and the like.

In handling ashes in the cellars of bulidings, or elsewhere, great difficulty is experienced in keeping down the dust which arises due, either to the sifting of the ashes, the transfer by shoveling from one place to another, or the placing of hot ashes in a can which gives off dust laden fumes.

The present invention provides a dust remover which is adapted to be used in connection with ash cans or the like to receive and remove the dust which is given off therefrom.

The invention has as a further object the provision of a dust hood for ash cans which is connected up with the chimney flue in such manner as to expel the dust through the chimney.

A further object of the invention is the provision of a dust hood of the above mentioned character which is adjustable as to height from the floor so that an ash can or other receptacle of any desired height may be accommodated under the hood.

In the drawings:

Figure 1 is a side elevation of the invention as connected up with the flue pipe, for use;

Fig. 2 is a rear elevation of the dust hood;

Fig. 3 is a vertical section on the line 3—3 of Fig. 2.

In detail: The invention, as herein shown, is set up in connection with a furnace A having the smoke outlet B with which an elbow C is connected and which, in turn, connects with the smoke pipe D having the T E, the smoke pipe finally entering the chimney F. In the leg 1 of the T E is a damper 2 having a spindle 3 and a knob 4 whereby the damper may be turned to shut off connection with the smoke pipe D. Sliding over the end 1 of the T E is the straight length of pipe 5 which carries the smoke hood or bell 6 having a depending flange 7 provided with a door 8 hinged as at 9. To the rear of the smoke bell or hood 6 is secured a reinforcing strip or standard 20 riveted to the said hood as at 10 and extending downwardly in a vertical plane as indicated at 11 and provided with a slot 12 through which the shanks 13 of two bolts 14 extend, said bolts being carried in a bracket having an upright 15 and a foot 16 at right angles thereto. By this arrangement the height of the hood or bell from the ground may be varied and it may be clamped at any height by screwing up the nuts 17 on the said bolts 14.

In use the hood is lowered to the proper height over an ash receptacle G and the damper 2 turned by means of the knob 4 to the open position. Ashes may then be placed in the receptacle through the door 8 without danger of any of the dust therefrom entering the room in which the device is located for the reason that the draft up the chimney F will withdraw all of the dust preventing it from spreading about the room. The door 8 may be closed by a suitable catch 18.

The damper controlling the hood, when the hood is not in use, may be opened for the purpose of withdrawing foul air, dust and the like, from the cellar.

I claim:

The combination with a flue having a depending branch provided with a damper, of a bell forming an ash can cover and having a tubular section detachably receiving said depending branch, said bell being provided with a depending flange having a door, a reinforcing standard flatly secured to one side of said bell and having its upper side terminating adjacent the upper end of the bell, said standard being extended below said flange and provided with a longitudinal slot opening out through its lower end, a bracket having an upstanding portion, and a pair of bolts extending through the upstanding portion of said bracket and through the slot in said standard for adjustably supporting said bell.

In testimony whereof I affix my signature.

JOHN A. OSBURN. [L. S.]