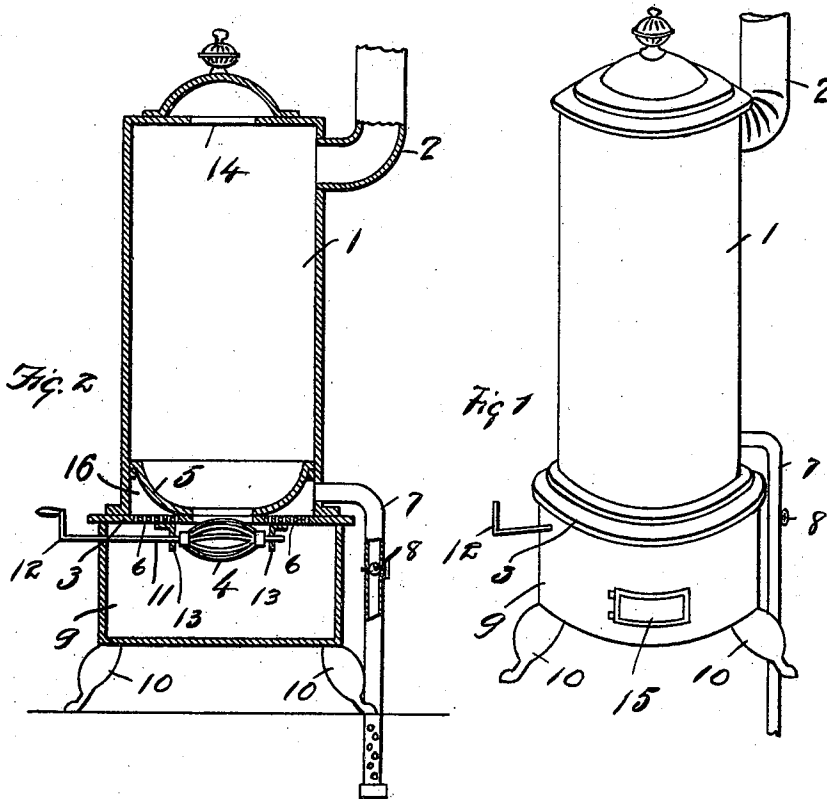


W. J. DOSSEY.
HEATER.

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975,022.

Patented Nov. 8, 1910.



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UNITED STATES PATENT OFFICE.

WILLIAM J. DOSSEY, OF CORNISH, OKLAHOMA.

HEATER.

975,022.

Specification of Letters Patent.

Patented Nov. 8, 1910.

Application filed April 19, 1910. Serial No. 556,419.

To all whom it may concern:

Be it known that I, WILLIAM J. DOSSEY, a citizen of the United States, residing at Cornish, in the county of Jefferson and State of Oklahoma, have invented certain new and useful Improvements in Heaters, of which the following is a specification.

My invention relates to stoves or heaters and particularly to the manner of controlling the draft and to the heating drum, and the object is to provide stoves or heaters which are simple in construction and inexpensive to manufacture and which will be durable and in which various kinds of fuel can be used for heating purposes.

Other objects and advantages will be fully explained in the following description and the invention will be more particularly pointed out in the claim.

Reference is had to the accompanying drawings which form a part of this application and specification.

Figure 1 is a perspective view of the complete stove. Fig. 2 is a vertical section of the same.

The heater is provided with a drum 1 which may be constructed of sheet metal or other suitable material and which is provided with a pipe 2. The drum 1 is mounted on and connected with a platform 3 which is larger in diameter than the drum. This platform may be made of a casting. The platform is perforated for the passage of air and has also a large central perforation in which a globular grate 4 is mounted. The fuel pan 5 is mounted in the drum 1 and is substantially semi-spherical, being slightly curved and extends down to the platform 3 and meets this platform about the perforation for the grate 4. This leaves an annular space between the platform 3 and the fuel pan 5 for the circulation of air which comes through the perforations 6 in the platform 3. A draft pipe 7 is connected to the drum 1 above the platform 3 and below the junction of the fuel pan and the drum. This draft pipe supplies the air which aids the combustion of the fuel. The draft pipe 7 is provided with a damper 8 and this air pipe 7 extends through the floor of the building and to the outside of the building or to any suitable point to secure a good flow of air.

The platform 3 is supported on the ash-box 9 and the ash-box 9 is supported by suitable legs 10. The grate 4 is globular in form and is mounted on a shaft 11 which extends out through the side of the ash-box 9 and is provided with a crank 12. The shaft 11 for the grate 4 is journaled in bearings 13 which are attached to the bottom of the platform 3. The grate can thus be revolved by means of the crank 12. The heater or stove is provided with a suitable lid or door 14 through which the fuel may be fed for heating purposes. The ash-box 9 is provided with a door 15 for removal of ashes.

When the fire is started, the draft comes through the pipe 7 into the annular space 16 and then through the grate 4 and the amount of draft is regulated by the damper 8. The pipe 7 takes the draft from the outside of the room and thus leaves the heated air in the room. By this provision the air in the room is more easily kept at the desired temperature and much fuel may be saved by this provision. It is preferable to close the end of the pipe and perforate it as shown.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is,—

A heater comprising an ash-box, a platform mounted on said ash-box and provided with a central perforation and other perforations about said central perforation for draft purposes, a drum mounted on said platform, a fuel pan mounted in said drum and spaced from said platform at the outer edge and provided with a central perforation registering with the perforation in said platform and meeting said platform about said perforation and forming an annular space above said platform, a grate mounted adjacent to and projecting within said central perforation, and a draft pipe connected to said drum and communicating with the annular space between said platform and fuel pan and extending out of the building.

In testimony whereof, I set my hand in the presence of two witnesses, this 31st day of March, 1910.

WILLIAM J. DOSSEY.

Witnesses:

A. L. JACKSON,
J. W. STITT.