

ABSTRACT

A furnace configured to burn paper includes an outer barrel, an inner barrel, and a support frame. A surrounding air intake is formed on the outer barrel. The inner barrel is disposed in an interior of the outer barrel and formed in a U shape, and has a cone-like top wall and a side wall extending obliquely inward from an outer edge of the top wall. An upper portion of the side wall is in tight contact with the outer barrel and is provided with a plurality of vent holes thereon. The top wall is provided with a plurality of heat dissipation holes and an ash discharge opening located at a central location thereof. The support frame is disposed in an interior of the inner barrel to support paper. When paper is placed on the support frame and ignited, air enters through the surrounding air intake from outside and then enters the inner barrel respectively through the vent holes and from below the inner barrel. The incoming air in the inner barrel generates vortex and is discharged through the heat dissipation holes and exhaust holes. Combustion efficiency of the furnace can be effectively improved by the air generating vortex.

Figure 2