

ABSTRACT

A stoker furnace includes: a furnace body defining a processing space in which materials to be incinerated are conveyed in a conveying direction and which includes a
5 combustion stage in which the materials to be incinerated are combusted; a boiler which extends upward from the furnace body and discharges exhaust gas generated in the processing space; and a first gas port through which a part of the exhaust gas is sprayed into the processing space. A center axis of the boiler is disposed at a position deviated and different from a position of the combustion stage in the conveying direction and the
10 exhaust gas is sprayed above the flame formed in the processing space through the first gas port from a side located to be shifted in an opposite direction to a deviation direction of the boiler from the position of the combustion stage in the conveying direction.