

ABSTRACT

Provided is a marine boiler structure that is capable of remedying non-uniformity in corrosion progression by making the temperature distribution of combustion gas that passes through a superheater uniform, and that is also capable of reducing the level of NOx contained in the combustion gas. In a marine boiler structure configured such that combustion gas generated by combustion in a burner 3 flows from a furnace 2 through a superheater 5 and an evaporator tube bundle 6, a bottom air port 20 that supplies part of the combustion air as bottom air from a furnace bottom portion 2a of the furnace 2 is provided, the bottom air port 20 is positioned closer to the superheater 5 relative to a burner center line CL, and an ejecting direction of the bottom air is set within a range inclining in the burner direction from the vertically upward direction.