

FURNACE-HEATING COMBUSTION APPARATUS

ABSTRACT

5 The object of the invention is to provide a furnace-heating combustion
apparatus that allows adjustment of a ratio between the amount of primary air
flow flowing through a primary air conduit and the amount of secondary air
flow flowing through a secondary air conduit and that also allows
simplification of its configuration as well as reduction in its installment space
10 outside the furnace. An elongate burner in the form of a double-tube is
provided to extend through a rear wall portion 4A of an air box 4 disposed away
from a furnace wall 1A. The leading end portion of a burner B is disposed
inside a tube section T in such a manner that a secondary air conduit A for
flowing air inside the air box as secondary air is formed between an outer
15 circumferential face of the leading end portion and an inner circumferential
face of the tube section T. A primary air conduit A1 included in the burner B
is provided at the leading end portion of the burner B in such a manner as to
introduce the air inside the air box from the rear end portion and to cause it to
flow toward the leading end portion. A burner supporting means D is
20 provided for supporting the burner B with allowing adjustment of the position
of the burner B in the longitudinal direction relative to the rear wall portion 4A
of the air box 4.

[FIG. 2]

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