

Summary
Course work
Discipline "Heat foundry"
Student groups FL-31
Taras Bondar
on topik: "Resistance electric furnace chamber of a stationary hearth"

In the course work was estimated the electric resistance stationary hearth. Course work contained 16 pages of written text and one drawing A1.

Explanatory note consists of an introduction, eight chapters and has one image. The introduction reveals the breadth of their application and purpose.

The first section covers the heating time casting their number.

The second section estimates the size of the working space of the furnace length, width ically safe space.

In the third section, choose refractories for external and internal arrangement of the furnace.

The fourth section addresses the dimensions of the oven it width (1720mm) and length (2200mm) and height of the oven (1400mm).

The fifth section contains some on the oven frame. Selection of materials for designand elements frame.

In the sixth section covers the heat balance. Article gain and heat loss. Also counting capacity of the furnace.

In the seventh chapter expect heating device for electric resistance. Find the diameter of the heater.

In the eighth chapter forward recovery mechanism, which is to save electric power and security officer.

Keywords: RESISTANCE ELECTRIC FURNACE, CRUCIBLE, NICHROME, POWER, ELECTRICAL HEATER, FURNACE CHAMBER, STATIONARY UNDER