

## **SUMMARY**

### **Term paper**

**From discipline "Heating engineering of casting production"**

**Student groups FL-31**

**Vasyl Shevchuk**

**On a theme: the "Regenerative fuel furnace chamber with brave hearth"**

In the course work was estimated fuel regenerative furnace chamber.

Course work contained 67 pages of printed text and one A1 drawings. Explanatory note consists of twelve chapters and a list of references.

The first section of the explanatory note is calculated fuel combustion, working storage of fuel, the amount of air, heat of combustion, material balance calorimeter temperature.

The second section provides calculation of the duration of heating.

The third was designed internal dimensions of the oven.

The fourth section, select lining of the furnace.

In the fifth chapter calculated the external dimensions of the oven.

In the sixth section frame calculated oven.

In the seventh section was calculated heat balance, moving heat and heat consumption.

In the eighth chapter designed technical and economic performance of the furnace.

In the ninth section, select the burner.

In the tenth chapter forward heat exchanger.

In the eleventh chapter aerodynamic calculation oven.

In the twelfth chapter count chimney.

**Keywords:** REGENERATIVE FUEL FURNACE CHAMBER WITH BRAVE, HEARTH