

ABSTRACT

Development of technology for manufacturing the casting “Back grille”
from steel 35L and planning of the foundry's melting department

Yaroslav Hrytsenko

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Object of designing – technological process of manufacturing a casting of carbon steel 35L ”Back grating” weighing 0.26 kg by casting in a single sand-clay mold.

The subject of the design is the technology of the foundry and the organization of the smelting department of the foundry shop.

The results of the design are the development of the foundry mold technology for a given casting, the implementation of the technical layout of the melting department and the calculation of a unit of foundry equipment.

The results of the design can be recommended for foundries with a similar production process.

Field of application – machine-building, tractor-building, military-industrial complex enterprises, etc.

BACK GRATE, CASTING, INDUCTION CRUCIBLE FURNACE,
CASTING MOLD, MOLDING MIXTURE, CORE MIXTURE, CEMENT
MIXTURE, MODEL PLATE, MODEL, CORE BOX, MELTING
COMPARTMENT