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Technological process of manufacturing a cast iron casting "Fitting" and organization of the work of the casting department according to the casting models

Diploma project: 76 p., 31 tab., 9 fig.

Within the project, the casting technology for «Fitting» castings was developed. Ensuring high-quality products and optimizing production were the main objectives. To achieve this, economic, organizational, and environmental principles were utilized. An analysis of production needs was conducted, a technical plan for the division, equipment, and casting process was developed, and optimal conditions for increasing product quality and workforce productivity were calculated.

As a result, an efficient manufacturing technology was developed that allows for control over the production process and ensures high-quality products at an acceptable cost. Safety measures were established to ensure industrial safety. The equipment and casting process were optimized, resulting in increased workforce productivity and improved product quality.

LOST-WAX CASTING DEPARTMENT, FITTING, PRESS-FORM, MOLD ASSEMBLED, INSTALLATION FOR THE PREPARATION OF REFRACTORY COATINGS, TECHNICAL AND ECONOMIC INDICATORS