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«Foundry Complex of the Machine-Building Plant for the Production of  
Castings from Aluminum Alloys»

Master's dissertation: pages 110, tables 52, figures 6, references 18.

Within the dissertation, a technological process is being developed for the production of the casting "Fork Bracket" from «AK7ч» alloy and "Footboard Bracket" from «AK9ч» alloy. Additionally, casting area with lost wax casting are planning.

The main objective of the dissertation is to determine technological parameters and compile a description of the production of the casting, as well as to develop and justify the technology of its production. Technological planning and organization of work in the casting workshop are also part of the project, including the casting area for lost wax casting.

Economic calculations confirm the correctness of the choice of the technological process for producing aluminum castings.

The objects of research include the casting, detail, casting area for lost wax casting, aluminum alloys, ceramics, and the model.

CASTING, DETAIL, CASTING AREA FOR LOST WAX CASTING,  
ALUMINUM ALLOYS, CERAMICS AND THE MODEL