

EQUIPMENT CHILDREN'S AREA

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Children's playground is an integral element of the improvement of residential areas, city courtyards, however, despite the advent of new technologies in the construction, standard city courtyard: slides, swings, sandbox - often remain still gray and inconspicuous, so our eye is used to these "glands". Sometimes we do not even imagine, how much they need children. After all, even the word "accomplishment" itself suggests the construction of benefits for the younger generation: to stimulate interest in games, develop the mental and physical abilities of the child, emotionally enrich his mind.

1. Pre-project analysis. There are several companies in Belarus, engaged in the development and production of children's play complexes, made of metal with a polymer coating of plastic and wood. But in design and color solutions, they often do not meet modern requirements and cannot compete with foreign manufacturers of such equipment. The main thing in our opinion, is that "a toy play" were not only its functional purpose, but also had an associative-shaped solution.

One of the normative documents regulating the establishment of playgrounds for children is СТБ 614-2007 "Equipment for children's playgrounds. General technological conditions". This standard is a European standard adapted to the Belarusian reality. It contains classification of children's play and sports equipment recommendations for its design and placement safety requirements. The standard applies to stationary equipment in outdoor playgrounds intended for individual or group use by children of preschool and school age.

The goal of the project is to study current trends in the design of children's play equipment.

The main task of design-design is to develop and create a design project of associative-figurative equipment for the improvement of children's playgrounds.

2. Project installation (design concept and design script). The design concept of the project is to create low-cost and functional equipment using environmental materials.

The design scenario defines the main function of gaming equipment - developing. The site attracts children of different ages, since it is not decided for children what they have to do to have freedom of imagination for activities.

3. Design solution. Based on the requirements and recommendations of the regulatory document СТБ 614-2007, the development of a design project of child-like emotionally-shaped gaming equipment for the improvement of residential areas of premises settlements of child-care preschool, school and medical institutions on playgrounds (see drawing 1, 2 and 3). An edged board

with a section of 30 * 180mm is used as a module that allows you to create an unlimited number of combinations. All wooden parts of the equipment have a protective and decorative paintwork. Modules have rounded corners which reduces the risk of injury. The rough surface of wooden parts should be more than 60 microns according to ГОСТ 716. According to the requirements of regulatory decrees, the wooden parts of the equipment are bolted together with gates have a corrosion-resistant coating and are protected from self-unscrewing.

Conclusion. It is hoped that over time, gaming equipment of various forms and forms will appear that will help designers to better develop the yard areas, and children will enjoy their stay in their yard. This approach to the development of equipment for children's playgrounds can be used by students of the specialty design Vitebsk state university named after P. M. Masherov in the implementation of design projects design of children's subject-spatial environment.

Reference list:

1. Children's play complexes, playgrounds – their purpose and mission. [Электронный ресурс]. – Режим доступа: <https://www.newhorizons.ru>. – Дата доступа 05.09.2018
2. Requirements to the device of children's playgrounds. [Электронный ресурс]. – Режим доступа: <http://taxi-pesok.ru>. – Дата доступа 10.11.2018

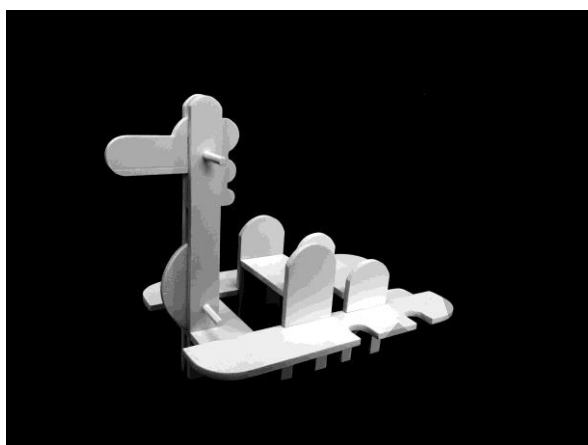


Рис. 1. Верблюд.

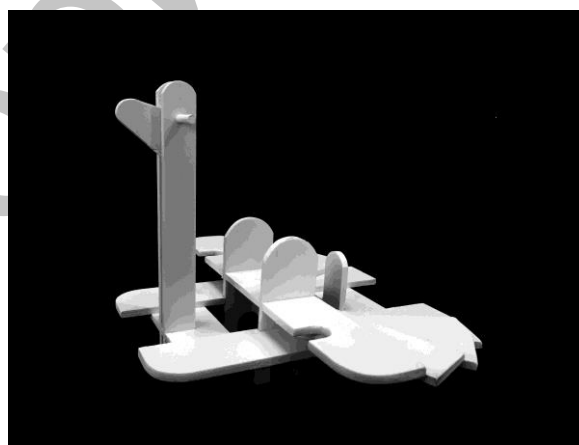


Рис. 2. Павлин

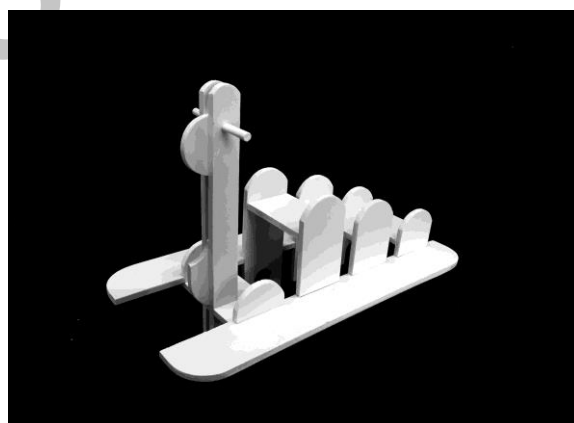


Рис.3. Жираф.