

Aesthetics of the functional trend in architecture and its impact on modern furniture design

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(1) Abstract:

Functional is a very useful intellectual movement that created accuracy in analysis and clarified many theoretical and practical problems and removed the mistakes of many concepts inherited from the era of colonial stagnation. It was a logical factor that freed designers from meaningless imitation and quotation, and from covering buildings with decorations to hide deficiencies and weaknesses, The interior designer must therefore be able to know the functional and aesthetic foundations created and achieved by the functional trend, which is the basis of modern ideas in architecture and furniture design nowadays.

(2) Search problem:

1. The lack of comprehensiveness of benefiting from the functional and aesthetic foundations created and achieved by the functional trend, which is the basis of modern ideas in architecture and furniture design.

(3) Search goals:

1) Trying to reach an understanding of the functional trend, achieve optimal design objectives in the field of architecture and furniture with the use of high technologies and modern materials in the field of manufacturing.

Research methodology:

1) Descriptive approach: Through historical studies in a descriptive presentation of the trend

2) analytical descriptive approach: by making an analytical descriptive study of the most famous methods and trends used by trend leader Le Corbusier

3) Applied approach: Includes the design of furniture units that follow the approach and philosophy of the trend through the design and implementation processes

Key words:

function trend- architecture-furniture .

Definition of career direction in design:

Functionality in its broad sense in design in general and furniture design in particular is that the basic duty of manufactured designs is to perform the purposes for which they are made and to have forms that come in accordance with these purposes and functions, that is, the form follows the function and the function follows the form.

The comprehensive concept of career direction in design:

That the concept of functionality exists in all cultures and in the architecture of all ages, but rather that functionality as a fact has existed since the time of the caves and prehistoric times when man began making tools and weapons for himself that are considered an extension and complement to the members of his body, so he gave these tools and weapons his care and

effort to make them well-made and usable and developed The shapes of these artefacts, after long trials, until looking at them and their apparent accuracy, precision, and mastery alone inspires confidence and makes a person rest assured of their validity.

In this way, functional convenience existed before man formed a conscious concept of it and the existence of beauty. The functional characteristic appears in the works of all civilizations, so it is found, for example, in the constructions of the Romans such as aqueducts, bridges, etc. They are works that they considered utilitarian and do not fall within architecture, so they left them without covering with historical styles. In his view of existence, man adheres to one of two visions or two basic currents, which are the doctrinal vision and the materialistic vision. The interpretation of these visions is the main framework for life, and then it comes with interpretations of existence and life in general. (1)

As a result of what happened in the period of the eighteenth and nineteenth centuries, in terms of the overlapping of ideological and material visions, and the accompanying tyranny of material thought, science and matter became the basis for this world...

There has been a shift in the concept of arts in its various branches and the accompanying changes in design theories... The main point of view has become an attempt to achieve the full vision that must deal with the ideas of the era coherent with scientific discoveries. The world in which we live has changed, because every art is the product of its time and represents the human world.

This change in the prevailing concept of arts has created for us a new art that has causal characteristics and advantages created for us by the development of the design process... which is known as the new industrial art. (2)

Results

1- The functional theory shed light on the thought of the first designers who set a set of principles and foundations to benefit from the thought of functionalism in its broad sense in design in general and furniture design in particular, which is that the basic duty of manufactured designs is to perform the purposes for which they are made and to have the following forms according to For these purposes and functions, that is, the form follows the function, and the function follows the form, which constitutes an integration between the elements of the design, and if one of the elements fails, the design process fails.

2- The Industrial Revolution had an impact on the thought of the first pioneers of modernity in architecture and, consequently, on the design and manufacture of furniture. Among the most important influences were:

Changing the relative importance of traditional influences on architecture, where the economic factor has become superior to others, and new factors and innovative methods have overcome the influence of geographical, geological and climate factors, which had a significant impact on the functional concept of designed products. This led to showing it with attractive modern appearances, as the raw materials used are indicated according to the type of the customer.

Recommendations:

- 1- Adopting the functional theory as a general principle in the design of products in general and furniture in particular, as the element of “utility” is a basic condition that must be met in all human artefacts and in the suitability of the form for the function for which it was designed.
- 2- Activating the principles of sustainability, as the use of recycled materials in the furniture industry is a principle imposed by the economic conditions on the designer, given the suffering of the countries of the world as a whole from a shortage of basic raw materials in manufacturing.
- 3- Designing multifunctional furniture that can be used in spaces by emphasizing the design on the functional surfaces or active parts of the user, which gives the design an aesthetic dimension in addition to the functional dimension.

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