

Research on the Application of Traditional Culture Patterns in Furniture Design

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Abstract: With the improvement of the quality of life, people pay more and more attention to the use of traditional cultural patterns, which is embodied in the field of furniture design. But it is not easy to integrate traditional cultural patterns with furniture design perfectly. People can combine traditional cultural patterns with furniture design by means of two-dimensional patterns or three-dimensional models. At the same time, attention should be paid to the principles of auspiciousness, beauty and environmental protection, and different traditional cultural graphics and design methods should be adopted according to different application scenarios. In this way, the inheritance of traditional cultural patterns and the development of furniture design industry will have a positive interactive development trend.

1. Introduction

1.1 Types and Characteristics of Traditional Cultural Patterns

Chinese traditional pattern originated from the original pottery pattern, and has a history of 6000 - 7000 years. According to the classification of types, it can be divided into primitive social patterns, classical patterns, folk and folk national patterns, and ethnic minority patterns. The first category is the pattern of primitive society, especially the pattern handed down from primitive society. Among the archaeological discoveries, many painted pottery patterns have been unearthed from Banpo, Majiayao, Xindian and Machang sites in Xi'an, China. These painted pottery patterns include figures, animals, plants, water waves, flames, etc., as well as related patterns about primitive religions. Although the traditional culture of primitive period is not elaborate enough, or even very strong, it has been able to express a certain meaning clearly. The second category is classical patterns. Typical patterns are typical patterns handed down from ancient times. There are many legacies of Chinese classical patterns, including traditional clothing decorations, bronze patterns, lacquerware, gold and silver staggered wares, embroidery, grotto decorative patterns, Tang tri-color pottery, brocade, printing and dyeing patterns. By the Ming and Qing Dynasties, blue and white porcelain, cloisonne, brocade, embroidery, jade, sculpture and other patterns have been very beautiful. The third category is folk custom patterns. It mainly refers to the folk style and local characteristics of patterns created and circulated among the people, mainly paper-cut, embroidery and other patterns. Of course, it also includes the patterns involved in various traditional festivals, such as the auspicious patterns of the Spring Festival, the lantern colors of the Lantern Festival, and the anti-evil patterns of the Dragon Boat Festival. The fourth category is the ethnic minority patterns, which have their own characteristics.

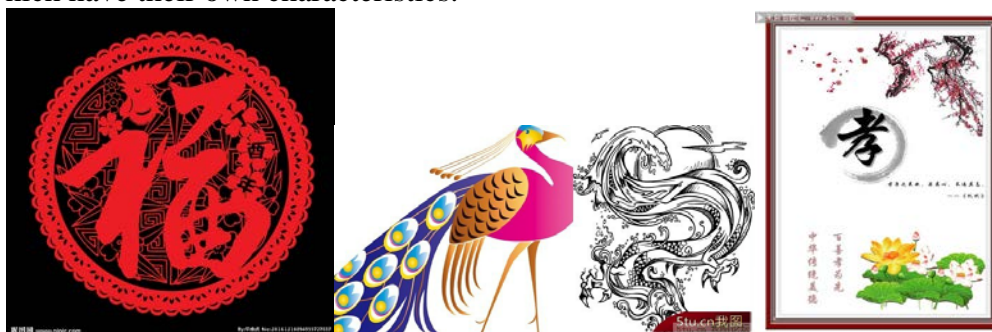


Fig.1. Examples of traditional cultural patterns

1.2 The Significance of Combining Furniture Design with Traditional Cultural Patterns

As a microcosm of Chinese civilization for thousands of years, traditional patterns are not only the embodiment and crystallization of the wisdom of the people, but also a symbol and a heritage of civilization. The combination of modern furniture design and traditional cultural patterns has at least two important meanings. First, to meet the spiritual needs of furniture users. This is closely related to the characteristics of traditional cultural patterns. Through thousands of cultural inheritance and development, Chinese traditional cultural patterns have a full sense of artistic beauty. With the combination of patterns and people's living customs and ideas, they can express the yearning and gratitude for the past, represent the cherishing and blessing for the present, and also express the good expectation for the future. The form is flexible and changeable, and the optional subject matter is also very wide, which can satisfy the users' spiritual needs from various dimensions. Second, we can carry forward Chinese civilization. The combination of furniture design and traditional culture pattern is not only the inheritance of traditional culture pattern itself has been guaranteed, but also the development of Chinese civilization carried by traditional culture pattern. When furniture with traditional cultural patterns produced in China is exported from the Chinese market to the foreign market, it is the time when national culture moves towards the international market. At this time, everyone will be proud of Chinese civilization.

2. Selection Principles of Traditional Cultural Patterns in Furniture Design

2.1 The principle of good luck and good will

There are many kinds of traditional Chinese patterns, which can represent a variety of implicatures. For example, the combination of peony flowers and vases implies wealth and peace. The combination of tortoise and crane represents longevity. The combination pattern of lotus flower and boy represents the early birth of noble son and so on. These are some auspicious and beautiful cultural totems. Of course, there are also some patterns related to sad culture, or refer to ghosts and gods, killing, violence and so on, which are not respected culture. Therefore, in the face of a large number of traditional patterns, in furniture design, we should choose those patterns with good implications to guide and encourage people's expectations and aspirations for a better life.

2.2 The Principle of Simplicity and Beauty

In furniture design, concise and beautiful principles should be adopted at the same time. Simplicity refers to simplicity and non-complexity. Beauty refers to a good visual feeling.

2.2.1 The Principle of Simplicity

Simplicity is a style, a design concept, presented in a simple aesthetic style. In Chinese traditional patterns, some patterns may be very complex, and some patterns may be very simple. For example, the dragon totem symbolizing authority and royalty is quite complex. This kind of pattern is not easy to be adopted in furniture design, because it is not easy to process when sculpting, which brings a burden on processing cost and is not conducive to batch furniture design. As we all know, in the current process of civilization, people are pursuing rapid production, which can reduce design costs and processing costs. After the design of furniture pattern, it is also to be able to produce furniture in batches to meet the needs of society. If the traditional cultural patterns used are too complex, it will be difficult to process and use them in industrialization. Therefore, it is worth advocating to adopt concise and concise design principles.

2.2.2 Principle of Beauty

Furniture is one of the most contacted items in people's life, such as tables, chairs, cabinets, tea tables and so on. These items often appear in people's living places, such as the office, family, so a furniture with aesthetic sense plays an important role in people's daily life. On the one hand, furniture with aesthetic feeling can bring people a good mood. In this restless society, people devote their limited time to unlimited work in order to live and make money. They have no time to stop and

think about life. Every day they are in a tense working state. Then, if even the most basic living facilities - furniture, do not have a certain sense of beauty, it will add to their troubles, not conducive to physical and mental health, let alone good mood. On the other hand, the lack of aesthetic furniture design will not promote the development of furniture industry, because people do not have the desire to buy. Such a long-term development, for the entire furniture industry, will be very disadvantageous.

2.3 Principles of Environmental Protection

No matter what kind of furniture design, we should consider the sustainable development of the whole society. Chinese traditional patterns are complex and diverse, some of which have certain requirements for material selection, such as the use of some rare animal leather, trees. Some also have requirements for materials, such as some require the use of materials with heavy environmental pollution and so on. These are not in line with the concept of environmental protection, for the entire earth environment, is not worth promoting.



Fig.2. Examples of the Combination of Traditional Culture Patterns and Furniture

3. Application of Traditional Culture Patterns in Furniture Design

3.1 The Design Method of Furniture

3.1.1 Application of Two-Dimensional Graphics

The traditional pattern itself is a plane figure, and the pattern information it conveys is completed by a specific combination of color, line and shape, which is known to all. Traditional patterns are directly applied to furniture products in the form of plane graphics, which is the most common way and the easiest way to be understood. Past experience tells us that this design can be completed in several ways. The first way is to print patterns into furniture products. For example, traditional patterns are printed directly on furniture by special coloring methods and baking paint technology. In this way, traditional patterns can be well and completely presented in front of people, especially the color of traditional patterns, can be effectively perceived by people. Of course, such a design method also has shortcomings, for example, if the processing plant process is not perfect, it can not be beautifully printed on furniture products, and poor presentation will affect people's direct perception of traditional patterns, resulting in people's misunderstanding of traditional patterns.

3.1.2 Application of Three-Dimensional Graphics

In addition to two-dimensional application, traditional patterns in furniture design can be presented through three-dimensional form. For example, it can be applied to furniture by carving and hollowing. The so-called three-dimensional design method is the integration of pattern and furniture itself. This type of furniture is presented in three-dimensional way of length, width and height, which has a sense of dignity and gravity. For example, some modern chairs, people are good at using three-dimensional traditional patterns, the handle part of the chair is designed into a traditional pattern model, such as faucet, turtle, etc., implying authority and longevity, to give users

a good use experience. The design scheme of three-dimensional graphics is actually the perfect combination of pattern and material itself. After evaluating the material quality, shape, size and other elements, the designer designs the traditional cultural patterns matching with them, which is very exquisite.

3.2 Design of Furniture in Different Scenes

3.2.1 Application Design of Living Room

The living room is a place for people to meet and watch movies and other daily life. Good furniture design is of great significance. In the design of furniture, different design schemes can be adopted for different furniture applications. In the relevant furniture on the top of the hall, "Lantern Brocade" pattern can be chosen to decorate the top, because it is so concise and implied that the whole space is full of simple and comfortable feeling. And the "Lantern Brocade" pattern itself also implies the auspicious meaning of bright future. In the design of living room sofa, we can adopt the appearance of Luohan bed in traditional furniture. Its design adopts simple traditional pattern, forming a simple Chinese furniture style. In the process of furniture design, attention should be paid to the difference according to the use of different occasions.

3.2.2 Application Design of Bedroom

Bedroom is people's living place after busy work. Comfortable furniture design plays an important role in people's relaxation. First, the design of the bed. The design of the bedside can choose simple dragon pattern, which can be carved on it by using the method of color painting to form a simple and distinct pattern style. At the same time, it inherits the auspicious meaning of the dragon pattern itself. Secondly, the design of wardrobe, especially the pattern in the wardrobe door, can adopt the traditional pattern of plum, orchid, bamboo, chrysanthemum related graphics. The use of color painting or other graphic design methods to directly print traditional patterns on it, giving a direct visual impact. These four types of patterns just symbolize the cultural implication of good moral character.

3.2.3 Application Design of Study

The traditional pattern implied by "rising step by step" can be said to be very popular in the furniture design of the study. The top of the study can be designed in the form of a four-level ceiling. The shape of this type of ceiling gradually rises from both ends to the middle, which has the auspicious meaning of "rising step by step". Desk design can imitate the relevant forms of furniture in Ming and Qing Dynasties. For example, the pattern of legs can be extracted by abstract deformation, and then processed by carving technology. This can not only inherit the cultural connotation, but also increase the formal beauty.

4. Conclusion

With the development of modernization, people pay more and more attention to the use of traditional cultural patterns, and the use of traditional cultural patterns has a positive role in promoting people's quality of life. In the field of furniture design, people gradually combine traditional cultural patterns with furniture design by means of patterns or three-dimensional models. On the whole, in the process of combining furniture design with traditional cultural patterns, people should pay attention to the principles of good luck, beauty and environmental protection. In the process of application, people should pay attention to different traditional cultural patterns and design methods according to different application scenarios. In this way, the inheritance of traditional cultural patterns and the development of furniture design industry will have a positive interactive development trend.

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