

Research on the Application of Bamboo Handicraft Products in Interior Design Based on Perceptual Characteristics

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Abstract: with the Rapid Development of Our Country, the Cultural Industry, as an Important Part of the Country's Soft Power, Also Flourished. under the Background of the Active Support of the Cultural Creation Industry, We Are Exploring New Ways to Inherit and Develop Traditional Culture. Chinese Traditional Bamboo Culture is a Symbol of Oriental Civilization, an Important Part of Chinese Traditional Culture Bamboo, and Also Permeates All Aspects of China's Material and Spiritual Life. It is No Longer an External Material Carrier, But More Symbolic, Reflected in China's Long History and Culture. It Has Unique Aesthetic Value and Cultural Significance. At the Same Time, Modern Materials and Cultural Life, Compared with the Fast-Paced Lifestyle, People's Life is More Stable, Simple, Simple, and More Eager to Pursue Healthy, Environmental Protection, High-Quality Modern Household Products. At the Same Time, in the Environment of Resource Exhaustion and Deterioration, People Are Keen on Health, Green, Environmental Protection and Nature, and Pay More Attention to the Coordinated Development of Human and Nature.

1. Introduction

Culture is the Product of Long-Term Human Creation. It's a Social Phenomenon. Correctly Speaking, It Refers to Our Country's History, Way of Life, Way of Thinking, Values, Norms of Conduct, Literature and National Art. in Ancient Times, Scholars Often Endowed Bamboo with Noble Character [1]. Wind thin Bone, Not Afraid of Cold, Noble, Upright.

2. Significance of Bamboo

2.1 Ecological Importance of Bamboo

China's Abundant Bamboo Resources Have Created Good Conditions for the Ecological Environment of Bamboo Forest[2]. Bamboo Has Developed Roots. They Have a Strong Ability to Strengthen, Save and Maintain Water. Therefore, Large-Scale Bamboo Forest Can Prevent Water Loss to a Certain Extent. Stems and Branches Have Various Shapes, with Luxuriant Leaves and Evergreen Seasons. They Can Generate Air Anions, Release the Essence of Plants, Play a Good Role in Photosynthesis, and Purify the Air. Therefore, the Ecological Functions of Bamboo Such as Cultivation, Protection, Bamboo Forest, Forest Planting and Bamboo Potting Are Utilized. Since Ancient Times, Bamboo is an Important Part of Chinese Ecological Garden Forest Landscape. It Not Only Brings People Beautiful Enjoyment, But Also Enriches People's Material and Cultural Life, and Has the Function of Decoration and Isolation. Besides, the Forest Ecological Environment is Unique. There Are Many Animals and Plants in the Forest. Bamboo Forest Vegetation is Also the Food of Many Rare Wild Animals. At the Same Time, Bamboo Forest Environment is the Habitat.



Fig.1 Bamboo Twelve Zodiac (Goat)

2.2 Economic Significance of Bamboo

The value of bamboo plus its economic value is immeasurable. Now the use of bamboo has been completely destroyed by traditional and relatively single fields[3]. It is widely used in construction engineering, tourism, medical treatment, food, furniture, packaging and other major industries. At the same time, the bamboo industry has been formed. Today, with the development of science and technology, the chain new production industry has developed from the traditional use of edible bamboo, canned bamboo and dried bamboo to large-scale processing and utilization. Processing of bamboo board, bamboo products, utilization of bamboo materials, etc[4]. The chemical utilization of bamboo charcoal, bamboo vinegar, tourism development and the ecological utilization of bamboo forest in these areas promote the economic development of the area to a certain extent. The output of bamboo was about 300000 tons and 450000 tons. Production of more than one hundred thousand mother bamboo or bamboo seedlings. In 1994, the original production value of bamboo forest was about 2.8 million. The output value of the treatment reached 5.5 million people, accounting for 17% of the industrial and agricultural output value of the county. Sichuan is the origin and modern distribution of bamboo plants in the world. At present, the annual output of bamboo pulp is 4 million tons, bamboo base material is 1.3 million cubic meters, bamboo furniture production capacity is 6 million, and bamboo shoot processing capacity is 1.3 million tons. The total output value of bamboo industry in the whole province exceeds 7 billion yuan. In addition, the economic value of bamboo forest promotes the cultivation and cultivation of various bamboos to a certain extent, expands the planting area and indirectly protects the diversity of bamboo resources.

3. Characteristics of Bamboo Materials

3.1 Material Variability

In order to enrich the variety of bamboo materials, its morphological characteristics generally include two categories, one is the inherent line morphological characteristics of bamboo materials, and then, the other is the separation line and surface, according to a variety of combinations of king and bamboo materials[5]. As long as the shape and feature involve the processing combination, the bamboo bar can be shaped into different point shapes by different cutting methods. According to the structural characteristics of bamboo, horizontal pot cutting, horizontal segmentation and diagonal segmentation form hollow and circular respectively. Points and circles are also rounded, quadrilateral, and rounding. According to the good segmentation performance of bamboo, different lengths, sizes and straightness can be formed in different ways, such as rough segmentation, thin segmentation and horizontal segmentation. All kinds of linear shapes, such as bamboo, film, cone-shaped piece, whose section shapes also include circle, square, Nang pit, diamond, trapezoid and other shapes. They are soft, tough, smooth, and given coarse sugar. Through the reasonable configuration, combination and chiffon of various shapes of bamboo formed in the initial treatment of bamboo, flexible and diverse flat, curved and three-dimensional bamboo products are constructed.

Some of those are soft, light and heavy.



Fig.2 Art Bamboo Flower Basket and Home Art Bamboo Ornament

3.2 Texture

From a macro point of view, bamboo is one of the natural textures of bamboo. The smooth surface of the bamboo stick has irregular bamboo lines, which give people a regular distribution and a sense of rhythm and rhythm. Bamboo texture is distributed in a large area of bamboo distribution. In order to highlight its natural charm, the most primitive bamboo texture lives in a rich human society. From the point of view of characteristics, the structure of the green surface of bamboo is tight, and the initial texture is hard. Its rich stripes are very thin, and its smooth surface also gives a natural and fresh texture. For the original bamboo, different textures will produce different texture effects, such as cross-section, step stage, oblique node[6]. When crossing, the well adjusted points appear on the section. These rhythmic spots, with clear texture, have a very comfortable touch and are very thin. It is the cross section of bamboo fiber and vascular bundle. At that time, the inclined part, the straight direction of fiber tube and the spots at the end of cross section tube are formed in the intelligent texture pattern. When the cross section of bamboo is inclined, the concave convex structure of bamboo tube forms fiber bundle. The textures are cloud and mountain. Light tentacles have a fine, coarse sugar feel. Secondly, the material of bamboo was processed before production, and the texture of bamboo added by the king had different textures in the green bamboo layer and the bamboo flesh layer, such as the segmentation of scum film and silk. They have excellent elasticity and nutritional supplements. Light yellow, light green, with dense bamboo fiber tissue distributed on the surface, with different aesthetic feeling. Finally, in order to complete the bamboo products, they also have their own texture style. Take w bamboo weaving device as an example. Make different works with different looms, such as baskets, cooling pads, fish sunflowers, etc[7]. Surface texture effects, which are also structural patterns formed by different textile methods. For example, the texture of weave patterns formed by knits such as knits, herringbone knits, hexagonal knits and circular knits has certain rhythm, rhythm and artistic expression.

4. The Application of Bamboo Products in Indoor Furniture

The form of bamboo cultural heritage is embodied in modern family products. In order to emphasize the characteristics and cultural significance of bamboo and combine it with modern household products effectively, we should study and explore the innovative direction. On the premise of ensuring the excellent basic characteristics of bamboo, the processing method, material application, shape grasp and cultural connotation of traditional bamboo crafts are re analyzed, and the practical application direction is put forward.

4.1 Environmental Protection

Ecological design is a method and process of thinking about how to solve ecological problems in

the field of design. It requires that the design must use ecological materials, that is, the materials can not cause harm to the environment and human body. Therefore, it is pollution-free, harmless, non-toxic and non reflective. Compared with low energy consumption production technology and pollution-free production technology, natural environmental protection materials can be used for product production, which is more conducive to the development of human body environment and health. The all-round development of human depends on the ecological and healthy development of human living environment. In order to fully develop civilization, people should first establish ecological value and ecological awareness[8]. Bamboo can be harvested and regenerated in 2-3 years. It is an excellent ecological green material. Bamboo has fine texture, smooth and delicate, soft color. Adjust indoor temperature and humidity, absorb ultraviolet rays, prevent electrification, which is conducive to human health. The energy consumption of manufacturing process is less than that of steel or other metal materials. It is a better ecosystem with less consumption and pollution. Bamboo products can be used without pollution for decades. In this life cycle, bamboo products are the most. According to the specific environmental protection requirements, they are completely green products. In order to develop the development direction of environmental protection of modern household products based on bamboo forest culture, the background and premise of bamboo as a renewable resource is based on the current lack of resources and severe environmental pollution. One is the environmental protection material of family products, the other is the concept of green sustainable development. The development of modern household furniture products is a game that fully conforms to the characteristics of bamboo materials[9]. They must be widely used in the development and design of various household furniture products. Therefore, the development of modern household products is the inevitable trend of future design and development of green environmental protection. Green bamboo is completely used in the development and design of household products, which is consistent with the sustainable development of society, environment and economy.

4.2 Innovative Processing

In the social environment of modern industrial production, mass production, high efficiency, standardization of parts and components, popularization of mechanical processing and production are the prominent features of modern family product development, such as furniture products. At the same time, modern people are keen on traditional handicraft. Cultural significance therefore, the adjustment of traditional craft culture, function and form, the investigation and research of new combination structure, and the new craft technology with high efficiency and low energy consumption are all the innovation directions of modern household products. Therefore, in the development and design of modern household products based on bamboo culture, we should deepen the understanding of bamboo, comprehensively understand, analyze the material, structure, technology, various visual characteristics of bamboo, and explore different bamboo[10]. The forms of development and utilization of different parts of the same bamboo and different physical conditions of bamboo. From the perspective of modern family product structure and technology development, combined with the characteristics of bamboo materials and existing processing technology, the possibilities of bamboo structure and modern furniture technology are expanded and expanded as much as possible. Such as research and development of new structural forms, detachable assembly structural connectors, bamboo laminated wood production technology, bamboo epidemic control, anti-corrosion, bamboo surface processing technology, etc., to improve the practicability and cultural connotation of modern household products.

5. Conclusion

Bamboo has penetrated into all aspects of China's material and spiritual life. In ancient times, there were many poems about bamboo loved by Chinese people. Not only that, it can be seen in paintings, handicrafts, architecture and tools. It is only an external material carrier, and it is more symbolic in Chinese culture.

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