

Artistic Aesthetics and Design Application of Red and Green Colored Porcelain in Bayi Kiln

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Abstract:

Bayi kiln red and green colored porcelain, as a treasure in Chinese porcelain, has high artistic and aesthetic value. By analyzing the artistic aesthetic characteristics of red and green colored porcelain in Bayi kiln, the development process and artistic style characteristics of red and green colored porcelain in Bayi kiln are summarized. Extracting the artistic elements of red and green colored porcelain and combining with design, on the basis of inheriting the traditional skills themselves, the integration of traditional cultural skills and modern design concepts not only opens up a new path for the artistic aesthetics and cultural connotation of red and green colored porcelain in Bayi kiln, It also provides a new theoretical reference for future ceramic design.

Keywords:

Bayi Kiln, Red and Green Colored Porcelain, Artistic Aesthetics, Design Application

1. Introduction

Red and green color is a decoration method created by the northern Cizhou kiln system, and it is named after its unique color decoration. The red and green color porcelain needs to be fired at high temperature and fired twice. Due to the change of time, the porcelain can form a beautiful shape. Due to the incompleteness of the initial information, the red and green colored porcelain was called “Jin Jia Cai” or “Song Jia Cai” [1]. Chen Wanli first proposed “Song porcelain plus color”, which is also known as “Song red painting” in Japan [2]. There are more than 20 porcelain kilns that fire red and green colors discovered in China. Shanxi, Hebei, and Shandong are the main distribution areas of their porcelain kilns; Shanxi Bayi kiln is one of the important sites for studying red and green colored porcelain in Shanxi [3]. The red and green colors of Yi kiln have high aesthetic value, which can provide historical support for the promotion and use of red and green colors.

Bayi kiln is a famous folk porcelain kiln in Shanxi. The kiln is located in Bayi Town, Changzhi County, southeastern Shanxi Province. Porcelain kilns are distributed in Bayi Village, Dongshan Village and Nanquanzhuang area [4]. Therefore,

the shape has a stylized character. As a representative of low-temperature on-glaze colored porcelain, Bayi kiln red and green colored porcelain is the most distinctive porcelain. A researcher from the Shanxi Provincial Institute of Archaeology found that the red and green color craftsmanship not only draws animal patterns and plant patterns, but also creates text patterns with auspicious words [5].

2. The Beauty of Craftsmanship of Red and Green Colored Porcelain from Bayi Kiln

2.1. The Uniqueness of the Red and Green Colored Porcelain of Bayi Kiln

Shanxi is located in the central region of China, and the soil contains high aluminum content, so the color of the porcelain body has the characteristics of white and yellowish or grayish yellow, so white makeup soil will be hung before glazing. The secondary firing technology first appeared in the three-color pottery making technology in the Tang Dynasty, and the secondary firing technology also promoted the foundation of the red and green color firing of the Bayi kiln. The red and green colored porcelain of Bayi kiln is first fired at a high temperature of 1300 degrees, and the second is fired at a low temperature of about 800 degrees, so that the color presented is more stable, the fluidity problem after smearing is alleviated, and the red and green Colored porcelain is more eye-catching.

2.2. Color Application of Red and Green Colored Porcelain in Bayi Kiln

As the name suggests, the red and green colored porcelain of Bayi kiln is mainly made of red and green as the main colors, and then adds yellow and black for decoration. The main colors of red color are positive red, dark red and light red; green color is divided into dark green, emerald green and light green; yellow color is mainly divided into golden yellow, bright yellow, light yellow; at the same time, black color is added to red and green color. Among the ranks of colored porcelain. Since black color is a high-temperature color, it is mainly used to draw black flower porcelain on a white background. It is often used in combination with red and green colors to form a new color combination. Red and green colors are the most common in Bayi kiln red and green color porcelain, which is why the name of red and green color porcelain comes from. The red color can be divided into two categories: one is not easy to fall off, the other is extremely easy to fall off [7], and the green color and yellow color are not easy to fall off. The color of red and green color porcelain is similar to that of three-color pottery. It is because of the different firing atmosphere and temperature that the color is different. Clever use of this feature can make the color of red and green color porcelain more diverse after firing.

2.3. The Production Skills of Red and Green Colored Porcelain in Bayi Kiln

From the perspective of drawing techniques, the drawing techniques of red and green color porcelain are divided into four categories: the first category, on plain white porcelain, only red and green colors are used to outline various patterns, red color is the main color, and green color is used for decoration. In the second category, on plain white porcelain, red, green and yellow colors are used for decoration at the same time, but the yellow color is mainly used as an embellishment; in the third category, a certain color of red, green and yellow colors is used on the fired white ground black flower porcelain. In the fourth category, on plain white porcelain, only one kind of red color or green color is used for painting, forming red color porcelain

or green color porcelain, and the number of production is very small [8]. From the point of view of line application techniques, there are mainly two types of fine brushwork and freehand brushwork, and the techniques of line use are divided into three categories: the first type, only fine brushwork is used for sketching, the line sketching is more rigorous, and the brushwork is mainly subtle. The second category is to use freehand brushwork for sketching. The freehand brushwork technique is also called “thick brush” drawing method, which mainly expresses the charm of the painting object. The third category is to combine fine brushwork and freehand brushwork to form a line application technique of both fine brushwork and freehand brushwork. In the smudge technique, the freehand smudge method is mainly used. First, the outline of the shape is drawn, and then filled with other colors. A little “boning method” is used, and the color is directly removed for smudge without drawing a pattern.

3. The Artistic Beauty of Red and Green Colored Porcelain from Bayi Kiln

3.1. The Artistic Design Language of Red and Green Colored Porcelain in Bayi Kiln

The themes of red and green colored porcelain in Bayi kiln are mainly divided into two types, one is for daily necessities, and the other is for porcelain figurines. In terms of color, it mainly draws broken branches, flowers, plants and birds. The flowers are mainly peony and chrysanthemum patterns. The most special feature of Yiyao red and green colored porcelain is the use of characters for decoration [9]. From the analysis of the composition method, the most commonly used composition methods are mainly concentric circles and open light. The most commonly used method of concentric circle composition is to use red and green colors to describe the main decorations in the inner wall of the utensils, and to draw red and green decoration patterns on the outer walls to form a concentric circle-shaped perspective by stacking layers upon layers. The outer wall of the utensils is not painted, showing a state of simplicity and no patterns. The other type is the consecrated composition form, the consecration is carried out in the center of the utensils, and various themed patterns are drawn inside the consecrated light. The opening type usually adopts an approximate square form, and some changes on the square lines to make it have the beauty of curves [10].

3.3. The Aesthetic Connotation of Red and Green Colored Porcelain in Bayi Kiln

The red and green colored porcelain of Bayi kiln is a kind of civil porcelain, and its decorative style is more in line with the needs of the people, and it also reflects a strong local flavor. At first, the kiln workers used red and green colors to cover up the shortcomings of the porcelain. Through visual transfer, the public paid attention to decoration and reduced the requirements for modeling. Later, by extracting the elements of Shanxi folk art, various interesting things in people’s daily life were expressed in red and green. On top of colorful porcelain decoration. In people’s eyes, red is auspicious and prosperous, and it also expresses people’s pursuit of happiness and yearning for a better life, hoping that their life can be full of joy, so red is deeply loved by people. Green symbolizes vitality and hope and is the easiest color to see. The ornamentation of the red and green colored porcelain of Bayi kiln has many connections with nature. The craftsmen draw the ornaments to life through wonderful craftsmanship, and also express the craftsmen’s awe of nature and the sincere emotion

of love for a better life. The casual brushwork is a true expression of the red and green color porcelain craftsmen. It is a tribute to the natural life. At the same time, it is also full of the ancient craftsmen's desire for recognition of their works and their desire for freedom. These flower and bird decorations are no longer purely objective things, but have become the materialization of the human mind, embodying the harmonious coexistence between man and nature, and a concrete manifestation of the idea of "harmony between man and nature" [11].

4. The Application of Red and Green Colored Porcelain in Bayi Kiln in Current Design

4.1. Application of Red and Green Colored Porcelain in Daily Necessities

As an important folk kiln in my country, Bayi kiln has been satisfying the daily-use ceramics used by the people at the bottom since ancient times. Such as bowls, plates, bottles, cups, etc. However, with the progress of society, people have higher and higher requirements for daily necessities. In addition to basic functions, they also need to meet psychological needs. Therefore, Bayi kiln red and green color daily necessities should be designed with users as the center. In today's era, with the continuous improvement of ceramic production technology, Bayi kiln red and green color porcelain should conform to the trend of the times [14], rationally use new 3D printing technology to produce a variety of ceramic shapes, cleverly use red and green colors for decoration, and shape The novelty and bright colors will open up the development prospects of red and green colored porcelain in Bayi kiln. The overall color of the tableware design of Shanshui Club is mainly green, with red embellishment. In the rhythm arrangement of height and elasticity, the concept of the layout of ancient landscape paintings is borrowed. Porcelain is like a window, the patterns flow from the canvas, and the shape plays the role of "cutting" the pattern, so that the pattern has a fluidity in the shape, and the pattern is combined with the shape. As a baseline for serving dishes. (Figure 1)



Figure 1. Design of tableware in clubhouse.

4.2. Combining Red and Green Colored Porcelain with Intangible Cultural Heritage

Intangible cultural heritage is an important symbol of a country and a nation's historical and cultural achievements, an important part of excellent traditional culture, and various traditional cultural expressions that are passed down from generation to generation by people of all ethnic groups and are closely related to the lives of the masses [15]. Folk embroidery occupies a very important position in the traditional culture of Shanxi. It has distinct local cultural characteristics of Shanxi. Its colors are gorgeous and warm, its patterns are simple and exquisite, and its shapes are exaggerated and rough. Artistic features are widely used in various folk activities. The

decorative elements of Lihouhu's ceramic design come from Lihouhu. Lihouhu has good meanings such as blessing, housekeeping, and making money in the folk. By converting the material of Lihouhu, the original cloth tiger's shape has broken through. The original visual restraint gives people a new look, but it is different from the previous cloth tiger. (Figure 2) On the basis of retaining the traditional shape of the porcelain pillow tiger, the concept of the porcelain pillow tiger is changed by implanting the decorative elements of the cloth tiger, which effectively enhances consumers' new cognition of this type of product, and its form is better, unique. The fusion of the two forms of folk crafts not only effectively continues its inherent artistic connotation, but also effectively promotes traditional culture.



Figure 2. Li Houhu ceramic design.

5. Conclusions

The product of the great fusion of red and green colors in Bayi kiln not only inherits the secondary firing technology of three-color pottery, but also creates a “first” of on-glaze color, which develops Chinese ceramics to a splendid era and promotes Doucai. The appearance of pastel, it can be said that red and green color porcelain has played a major influence in the ceramic industry to link the past and the future [16]. With the trend of inheritance and development of traditional culture in recent years, Bayi kiln should increase the development and innovation of red and green colored porcelain, and realize cross-domain design through cooperation with different industries. I firmly believe that in the near future, Bayi kiln red Green color porcelain will stand in the ceramic industry with a new look, with a long history.

Conflicts of Interest

The authors declare that there is no conflict of interest regarding the publication of this article.

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