

Research on Creative Design of "Wear me bag" Multi-functional Blue Clamp-Resist Dyeing Bag

Lingli You

School of Design & Creativity of Wenzhou Vocational & Technology College Zhejiang,
325000, China.

Email: 417514117@qq.com

Abstract

As one of the famous intangible cultural heritage in Wenzhou, Blue Clamp-Resist Dyeing, simple in color, unique in pattern shape, exquisite in craftsmanship, has a long history and vitality for thousands of years, and has been recognized by the public for its unique artistic beauty. However, the style and shape of Blue Clamp-Resist Dyeing bags are out of date. While inheriting the traditional techniques, it is imperative to further develop new paths to promote the renewal of Blue Clamp-Resist Dyeing bags. As a kind of green design, multi-functional products are increasingly used in product design. "Wear me bag" series of Blue Clamp - Resist Dyeing bags introduce the concept of green design and use of natural dyed fabrics, mainly on structure from the folding direction, coexistence, 1+1= 3 bags and clothing to the function of conversion, which is a collection of multi-functional transformation and coexistence of innovative design.

Keywords

Blue Clamp-Resist Dyeing bag; Green design; Multi-functional conversion; Creativity.

1. Overview of Blue Clamp-Resist Dyeing

Blue Clamp-Resist Dyeing is a kind of folk art in Wenzhou area. Dating back to five thousand years of Chinese history, there are numerous literati comers praising Blue Clamp-Resist Dyeing and expressing their love and admiration for it. There is no doubt that the living habits, marriage customs, culture and natural environment in Wenzhou region were deeply affects the Blue Clamp - Resist Dyeing process, the choice of the color and pattern of composition and subject matter. Blue Clamp-Resist Dyeing contains profound historical and cultural connotations, which is closely related to the spiritual and material life of the working people, and forms a state of harmony between man and nature.

Blue Clamp-Resist Dyeing 's patterns are rich in subject matter, diverse in layout, rigorous and contain a simple and classic aesthetic characteristics. The pattern theme of Blue Clamp-Resist Dyeing is drawn from characters, animals, plants, geometry and other things, in which the pattern of characters is mainly opera characters and a large number of them. Opera image is the highest achievement of various folk craft in pattern, and it is also a distinctive symbol of Chinese craft which is different from other countries. [1] This is not only decorative, but also has a certain form of beauty. Each Blue Clamp - Resist Dyeing are both patterns by the main figure, auxiliary figure and median line structure, the three contents differ, with unit type layout. Although the methods of expression vary, but the connotation of performance is completely the same, that is, "more children and more happiness", "longevity", "peace" and other festive implication. [2] Most of the patterns in opera are in the form of main patterns, animals, plants and other patterns as auxiliary patterns. Blue Clamp- Resist Dyeing patterns by time and geographical features, as well as the impact of the development in its own characteristics as well as constantly and the integration of the connotation of the Chinese culture, it is the

inheritance and continuation of Blue Clamp-Resist Dyeing pattern and Chinese traditional culture.

The color of Blue Clamp-Resist Dyeing is mainly composed of white and blue. White, from the home woven cotton raw materials white, is the native color of home woven earth cloth. Blue is a low-brilliance indigo color dyed from grass that is darker and contrasts sharply with the white of homespun. [3] As one of the representative colors in Chinese traditional culture, Indigo is a symbol of creativity, intuition and wisdom. It is also the darkest color in seven colors, but it contains red, it looks calm but hides vitality, with complex and incredible implications. From indigo blue, one can feel intelligence, wisdom, reason, creation, wisdom, will and faith. It gives a sense of elegance, simplicity and modesty. As a matter of fact, white can not only express a sad mood, but also symbolize the yearning for a better life in the traditional Chinese culture. In the context of modern color, white is a colorless symbol of simplicity, purity, sanctity, kindness and brightness. However, blue and white from the development of blue grass reflects an ancient philosophy of harmony between man and nature.

As a matter of fact, ingenious and unique blue dyeing process is very cumbersome and fastidious, it consists of engraving, printing and dyeing, and indigo technology, which contains the craftsmen 's exquisite skills and superior wisdom. The whole process is indigo process to form indigo raw material, engraving process to produce valerian plate, both through printing and dyeing method to form Blue Clamp-Resist Dyeing cloth. The engraving process of Blue Clamp-Resist Dyeing has two functions: anti-dyeing and dyeing that focus on "open channel and dark ditch". The main raw material of printing and dyeing process is composed of Isatis root and its adjunct. Compared with the industrial fuel nowadays, it accords with the theory of green design now. At the same time, it also satisfied people's pursuit of environmental protection, natural, original ecological psychology.

As a traditional craft, indigo technology relies on many years of experience of craftsmen, weather conditions and the number of blue grass and indigo site depends on the terrain.

Over the past few years, the Blue Clamp-Resist Dyeing is highly appreciated by the foreign guests and the expert's popularity. However, it is faced with the loss of the dilemma, the state of inheritance is worrying. As the hand-made workshop is a cotton cloth with blue-and-white designs, it has no function or product form, so it is unable to trade and circulate in the market in order to create economic value. [4] Combine the above mentioned, it is an arduous and imperative mission to protect and inherit Blue Clamp-Resist Dyeing

2. Development Trend of Multi-functional Bag Design

At present, with the deterioration of ecological environment, people's living environment has been threatened, environmental protection and versatility have become the pursuit of clothing enterprises. In foreign countries, as the early development of green design and the rapid acceptance of residents, the green product design and production and processing chain has formed a certain scale to a great extent. Therefore, there are many enterprises strive to develop textile industry into a "green cycle" industry to accelerate the development of circular economy. They firmly argues that "green recycling" industry can promote the multi-win of enterprises, consumers and nature and form a win-win situation of economic development and resource reuse. As a kind of green design, multi-functional bag design is the inevitable trend of dress development, which not only satisfies people's pursuit of modern life style, but also guides consumers to develop new life habits to experience the pleasure brought by modern bag design. In fact, the design and research related to multi-functional bag mostly start from ergonomics, material science, such as the development and research of multi-functional bag material. There are few research materials from the perspective of design art, but more from the perspective of clothing analysis. For example, Liu Xiaoxiu and Chen Zhenghan 's "Application of Multi-

functional Transformation in Garment" utilizes the new deconstructionism method to expound the multi-functional transformation between garments from the angle of clothing. Hu Xiao 's master's thesis "Research on Fuzzy Design Method of Multi-functional Garment" takes mountain outdoor sports coat as the starting point, and analyzes the main points of multi-functional design method of clothing. In recent years, some well-known clothing companies also launch well-designed multi-purpose bags and promote them on the relevant websites.

"Wear me bag" series of Blue Clamp-Resist Dyeing bags, based on the concept of green design, using pure natural plant dyes to solve the environmental problems of the fabric itself, but also reduce the waste water produced in the dyeing process of the fabric. On the other hand, the multi-functional conversion between bag and clothing reduces the consumption of raw materials and the production cost of enterprises.

From the perspective of clothing materials, whether in the fabric or accessories, the application of green materials is a good choice. Natural dyes instead of chemical dyes, Blue Clamp-Resist Dyeing fabric dyed with Isatis root plants, which has environmental protection, safety and comfort. Moreover, as a famous intangible cultural heritage in Wenzhou, Blue Clamp-Resist Dyeing has a certain symbolism. From the functional point of view, the multi-functional Blue Clamp-Resist Dyeing bag can be realized with one extra reuse method.

3. Research on Creative Design of Multi-functional Blue Clamp-Resist Dyeing Bag

3.1. User Requirements Analysis

As an object of use for multi-functional Blue Clamp-Resist Dyeing bags, its users are 18-30-year-old young people who pursue fashion and personality and like the Blue Clamp-Resist Dyeing element. Their focus is on personalized modeling structures, pure blue-and-white tones and interesting patterns. At present, there are also a lot of Blue Clamp-Resist Dyeing bags on the clothing and accessories market, but these products lack the elements of fashion and individuality, most of them exist with a kind of function. The singleness of structure, function and style will increase the user's boredom, thus reducing the service life of the bag. As for the most young people, multi-purpose converted Blue Clamp-Resist Dyeing bags can meet their needs, which not only increases the fun of consumer use, but also extends the life cycle of bags, and can make effective use of resources and reduce the pressure on the environment.

3.2. Creative Design of Multi-functional Blue Clamp-Resist Dyeing Bag

Based on the above analysis of user demand and market Blue Clamp - Resist Dyeing problems in bag bag, multi-functional Blue Clamp - Resist Dyeing bag bag can solve the current functionality in a single garment accessories market, common problems such as wasting resources and economic design, and satisfy the using requirements of 18-30 age to Blue Clamp-Resist Dyeing bag. The idea of multi-functional Blue Clamp-Resist Dyeing bag is to focus on the convertibility and detach-ability of the function in the content of green design, take the Blue Clamp-Resist Dyeing as the carrier, and take the fashion design method as the guide. Combined with the analysis of bag and garment structure style, to discover the common structure among them. From the function and structure, clothes and bags integrated multi-functional Blue Clamp - Resist Dyeing bags. Through the zipper to make rapid demolition merge my bags to use on the new line, thus ensuring the Blue Clamp - Resist Dyeing with changeable structure of plastic bag bag and clothes on the function of rapid transformation, extending Blue Clamp - Resist Dyeing bag bag service life and reduce the waste of resources.

3.3. Creative Design Process of Multi-functional Blue Clamp-Resist Dyeing Bag

The design and development of a multi-functional Blue Clamp-Resist Dyeing bag goes through the following processes:

Step 1: User Analysis & Solution Assessment

First of all, it plans to analyze 18-year-old 30-year-olds from the dress style, behavior habits, consumption psychology and other in-depth research, summarize the needs of this age group for multi-functional Blue Clamp-Resist Dyeing bags to determine the bag design plan. At the same time, to evaluate the design scheme, if the solution is not through, to evaluate, if passed, for multi-functional Blue Clamp - Resist Dyeing bags for model construction based on the theory of emotional design.

Step 2: Research and Implementation of Methods and Techniques

According to the design requirements of multi-functional transformation and one-thing multi-purpose design, to research and implement the methods of bag, clothing function conversion structure and composite structure. Through the specific point of the functional requirements of the multi-functional bag design of divergent thinking development, and the multi-functional Blue Clamp- Resist Dyeing bag design method in the design of the attempt.

Step 3: Analysis Expansion

This paper plans to analyze the characteristics of bags, type and functional requirements, taking the Blue Clamp-Resist Dyeing bag as the specific analysis of the object, explain the multi-functional conversion technique from the fold direction, the co-existence of monomers and $1+1=3$.

Step 4 Practice Integration

From Blue Clamp - Resist Dyeing bag color, craft, structure and the selection of fabrics and other aspects to make the practice of the finished product in the process of the economy and practicability of the case, to verify the works and prove the Blue Clamp-Resist Dyeing multi-functional conversions between bags and clothing has a certain universality and realistic significance.

4. Realization of Creative Design of Multi-functional Blue Clamp-Resist Dyeing Bag

Against the background of green design, the richness of life forms promotes the demand of clothing and accessories to develop towards the diversification of function and form. The green design concept of bag meets this trend. In the future bag design, more and more designers would apply the multi-functional and environmental protection design of bag.

As a matter of fact, the superposition of modern life styles has prompted consumers to pursue a light and fast way of dressing. The concept of one-pack multi-purpose design meets this trend, and the multi-functional design of bag will be applied by more and more designers in the future. Taking Blue Clamp-Resist Dyeing as carrier, Blue Clamp-Resist Dyeing is introduced into the multi-functional conversion of bag and clothing, which provides a new research idea and method for the future research and practice of multi-functional bag design.

4.1. 1.Bag Structure Analysis

Generally speaking, the basic modeling of bag is mainly divided into geometric modeling and bionic modeling. Geometric modeling mainly includes rectangle, square, triangle, circle, ellipse and trapezoid, etc., in which rectangular and square-based modeling and on this basis to exaggerate and expand the design. Bionic modeling refers to imitating the shapes of animals and plants or utensils in nature, such as trees, plants, mountains, rivers, etc., and can also be certain objects in life, such as ceramics, furniture, electrical appliances and cartoon images. The basic structure of the bag determines the core factors of the shape of the bag, including side circumference, front, bottom, cover, shoulder strap and hand-strap. In daily life, the most common is the square and rectangular bag shape, there is no fixed size in the specifications and

require close around, the main open and close zipper and four buckle and so on. The basic structure of the bag is shown in Fig. 1.



Fig 1. Basic Structure of Bags

4.2. Key Points of Creative Design of Multi-functional Blue Clamp-Resist Dyeing Bag

Key technique 1: look for similarities between clothing and bag elements

The three basic elements of clothing composition are also suitable for bag design. When individuals choose bag fabric, they usually pay attention to durability, aesthetics, fashion and safety. At the same time, it also has to meet the size requirements of one's storage items. For fabric properties, it usually chooses fabrics with moderate thickness and comfortable feel. The traditional Blue Clamp-Resist Dyeing fabric is thick and durable canvas, which is contrasted with the dress of human body. Therefore, the soft fabric should be chosen and the softness should be selected in the dyeing process of Blue Clamp-Resist Dyeing. Thin fabric, create a new type of Blue Clamp-Resist Dyeing fabric, so as to ensure its fabric, clothing and bag in the transformation of adjustable. Mutable.

Key Technologies 2: The coincidence point of bags and clothing in style

The coat piece is generally divided into two pieces, three pieces. For the three-piece coat, the side piece is extended as the bottom of the bag in the process of assembling, and the lower pendulum and the right angle of the side seam of the coat are changed to arc design so that the zipper can be pulled up smoothly. If one want to add a cover to the bag, it is imperative to add the sleeve as a supplement, and then use the collar to weigh the strap. For a two-piece jacket, a zipper is needed to achieve a multi-functional conversion, such as a vest, with zippers attached to the lower pendulum or side seams, and a folding method can be used to change the clothing at the fastest speed into a handbag. Both the three-piece structure and the two-piece structure need to be combined with the multi-functional structure of the design techniques, zipper just to meet this requirement, which can ensure that the bag can be quickly opened and used in the new line of separation, According to the design and development of the Blue Clamp-Resist Dyeing bag, it can make the bag have the changeable plastic structure, and make the Blue Clamp-Resist Dyeing bag realize the multi-functional conversion between the garment and the garment quickly on the basis of the multi- function.

4.3. Structure Transformation Between Blue Clamp-Resist Dyeing Bag and Garment

"Wear me bag" series of Blue Clamp-Resist Dyeing bags based on the concept of green design, this paper selects Wenzhou representative Blue Clamp-Resist Dyeing fabric, and conduct analysis from the bag color, material, type and other aspects of the multi-functional design. On the premise of satisfying the basic main function requirement, after analyzing the primary and secondary relationship of each function requirement, and then chooses the appropriate process,

material, link point and structure, utilize the design method to carry on the function compound and the function transformation, etc., and finally achieves one-to-many functional design. In the process of functional composite design, it firstly analyzes the common ground between human body space and package space, designs its structure line, and then achieves the transformation from single function to dual-use function, so as to realize multi-functional Blue Clamp-Resist Dyeing bag with both loading performance and multi-purpose performance. It takes advantage of these new "functional segmentation lines" to disperse and reorganize the components of the Blue Clamp-Resist Dyeing bag, so that various styles and shapes can be transformed into one another. [5] we all know that clothing is used for both wearing and daily use, long-term use can lead to deformation and loss of clothing freshness, that requires the more durable material as support. Furthermore, it also need to meet the requirements of the wearer comfort of the clothes and fashion, etc, thus realize the Blue Clamp to Resist the diversity of Dyeing bags function transformation, functional composite and functional transformation, maximize the function of it. Based on the multi-functional Blue Clamp-Resist Dyeing bag design angle, the creative, environmental protection and multi-functional development direction of the bag design from different aspects can not only provide a reference for the future development of the Blue Clamp-Resist Dyeing bag design, but also promote the mutual promotion, integration and complementation of the design elements in the bag design process, so as to achieve a deeper level of innovation.

"Wear me bag" series of multi-functional Blue Clamp - Resist Dyeing bags mainly from folding direction from structure, the coexistence of monomer, $1 + 1 = 3$ model to transform function on the bags and clothes on.

4.4. Folding Direction

Folding direction refers to changing clothing into handbag by means of folding in the process of changing to bag. The specific style and structure diagram is shown as shown in 2. From folding direction transfer function on the bags and clothes were tried three clothing, clothing is given priority to with simple vest, these three items first multi-functional Blue Clamp - Resist Dyeing on both sides of the waistcoat bag each added two bandages, fold down at the same time, and can be folded in half and again took out the hidden two bags. The second garment collar and hem are designed in the same shape, with zippers on both sides, folding downward and pulling zippers out of the two handbags designed for the collar and the lower hem. The third garment designs a waist decoration in the front waist, a zipper in the lower pendulum, zipper in the process of changing into a bag and buckle the collar under the waist decoration.

	Proportio	Product Name	Style chart	Structure
Folding direction	1/3	Men's vest		
		Men's vest		
		Women's vest		

Fig 2. Multi-functional Blue Clamp-Resist Dyeing Bag Style Structure Diagram-folding direction

4.5. Coexistence of Monomer

Coexistence of monomer means that clothing is directly converted into a bag by zipper connection, and the specific style structure is as shown in figure 3. The waistcoat is inverted triangular in the back and front collar, the lower hem and the lapel of the vest are zipper-mounted, and zipper links are combined to align the two armholes into an eco-friendly bag in the course of the transition.

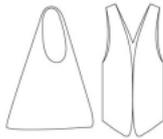
Folding direction	Proportion	Product Name	Style chart	Structure
coexistence of monomers	1/3	Men's vest		

Fig 3. Multi-functional Blue Clamp-Resist Dyeing Bag Style Structure Diagram—coexistence of monomers

4.6. 1+1=3 Model

1+1=3 model refers to the model that directly attaches bags to clothes and integrates them into clothes, so that the clothes have three styles of wearing, that is, a dress, a bag and a garment with a bag. The structure of the specific style is shown in figure 4. The first type of men's vest, from the front, it is an ordinary vest, from the back, it is a backpack, which is equivalent to a combination of vest and bag multi-functional clothing, it becomes a fashionable backpack through the opening and closing of the buttons and the contraction of the drawstring. The traveler takes off the vest and assembles it into a backpack, which not only saves the space of the vest but also satisfies the need of loading during the journey. The second is a ladies' vest, the designer attaches the bag to the front of the vest, combines the bag and the vest into one, and can also use the vest and bag separately.

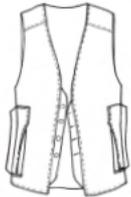
Folding direction	Proportion	Product Name	Style chart	Structure
1+1=3	1/3	Men's vest		
		Women's vest		

Fig 4. Multi-functional Blue Clamp-Resist Dyeing Bag Style Structure Diagram——1+1=3

Combine that above mentioned, the three conversion modes of multi-functional Blue Clamp-Resist Dyeing bags take full advantage of the similarity in the structure of clothing and bag styles and integrate them into multi-functional converted Blue Clamp-Resist Dyeing bags, which can not only meet the needs of the different life, with the development of the society, multifunctional Blue Clamp - Resist Dyeing bags would like other multi-functional product service to our daily life and meet the personalized requirements of people, so as to realize the Blue Clamp - Resist Dyeing bag bag of green design.

5. Conclusion

1. Blue Clamp-Resist Dyeing bag with creativity, new technology and new methods to promote the construction of Wenzhou intangible cultural heritage.

Thanks to Blue Clamp-Resist Dyeing 's interesting patterns, subtle colors and exquisite craftsmanship, Blue Clamp-Resist Dyeing has a unique artistic beauty. The innovative application of Blue Clamp-Resist Dyeing bags in multi-functional conversion aims at bringing the ancient Blue Clamp-Resist Dyeing into our lives and giving rise to the vitality of the times, adding new elements to Wenzhou clothing industry.

2. Introducing the concept of green design into the "Wear me bag" Blue Clamp-Resist Dyeing bag design not only caters to the demand of advocating nature, but also is the inevitable form of the development of clothing and accessories design.

The blue dyeing materials of Blue Clamp-Resist Dyeing are mainly extracted from Isatidis, which has little effect on the environment, and the use of natural dyes is also very beneficial to human body. At the same time, multi-angle divergent thinking, the concept of green design to explore the functional transformation between bags and clothing to meet the individual demands. "Wear me bag" series of Blue Clamp-Resist Dyeing bags, Wenzhou Blue Clamp-Resist Dyeing as a carrier, will be used in the bag into clothing functional transformation, which to a certain extent reduce the waste of raw materials and reduce the production cost of enterprises.

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