

Study on the application of screen decoration and privacy protection in modern library space

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Abstract

The screen in the application of modern, see more at indoor space, commercial space, dining space in the library or individual within the bedroom are reflected, especially in the modern library space, screen is its unique space separation performance incisively and vividly, both very good play the role of divided into space at the same time protect the privacy and to improve work efficiency. At the same time as a unique cultural carrier, the screen aesthetic art also adds a lot of bright colors to our life. With the continuous development of modern library methods, the form of screen also changes from the original movable wall, wooden compartment, chip structure and block structure to the form of workstation. The change of form is accompanied by the improvement of functions and the renewal of materials, which brings vitality and vigor to the library. Chinese contemporary screen regards Chinese contemporary adornment as the main component of art, its modelling characteristic, craft skill has artistic glamour alone, in order to cater for modern aesthetic idea, it melts practical, appreciation sex to be in an organic whole, have practical value already, gift screen with new aesthetic connotation again.

Keywords

Screen; The library; Privacy; research.

1. Research background

With the rapid development of modern economy, people's demand for products in today's society has not only stopped at the level of meeting its functions, especially in the era of general application of household goods, the market has twisted knowledge, capital and technology into an inseparable whole, thus allowing the society to enter the era of rapid development. But at the same time, it also makes the market environment more unpredictable and international competition becomes increasingly fierce. In the improvement of user demand how to effectively manufacture high-quality products as the main focus, at the same time, in the product personalized, humanized design, also appears to be particularly important.

Modern screen is compared with traditional screen. Modern screens encourage and appreciate the realization of the artist's personal will, affirm originality, attach importance to design and decoration, and have a wider range of themes and advanced artistic styles. The characteristic of kind form in contemporary screen is very agile, design style nowadays ancient confluence, on the whole give attention to both practical and artistic use. Its are in the meaning in household had exceeded before only come wind screen, the effect that shelters, and more had adornment and the effect that adorn. Modern screen is the continuation of the ancient screen, the traditional vertical, folding wood screen, bamboo screen, stone screen, brocade screen, each has a flavor, the emerging screen, screen, screen, fire screen, telephone screen and so on to increase the modern atmosphere, and in the material has been further expanded. In the production process there are relief, pervious carving, Mosaic, embroidery, etc., can be any one of the patterns uncanny workmanship of moving to the screen.

In the modern library space, the traditional closed space has been developed into semi-open individual library space separated by light weight. Library space pays more attention to private secrecy and public openness, so it puts forward new requirements for the development of modern

library screen. Additional, contemporary new material, adornment gimmick and new craft brought an effect to the modelling of screen and structure.

Nowadays, screen enters modern all sorts of bedroom production as trendy furniture, form tide of a kind of act the role of beauty, also be gu yun is new play, a kind of reflect of nostalgic mood. To contemporary interior design character, screen this one concept has transformed another concept to retain in contemporary interior design, that is "partition". "Partition" comes from architecture. People have embodied this concept in the construction of gardens for a long time. The form of traditional screen basically is displayed in indoor with a few kinds of simple screen form, and the kind of partition undertook outspread and extend on the foundation of screen, form indoor and contemporary combination screen.

This paper mainly describes the role of a library screen in the current environment. Of course, before we talk about his role, what is essential is his kind, all kinds of production technology, these are all have to say. Everybody is different to the view of screen, because this he also is a reflection that has individual character alone, the screen that suits him, can bring him a different environment, show more perfect oneself to others.

2. Function of screen

The use of screen to contemporary from ancient times is very general, place commonly indoor and conspicuous position, besides wind screen and screen these two mainest functions, still can have space, beautification, harmonious, change dimensional guidance, differentiate the action such as functional area, have practical with adornment double function. Screen is used in contemporary bedroom still can have the buffering effect to the space, let a person feel the beauty of a kind of static state to surge in the bedroom. Because this has the home of screen, can show the different grade of host, that kind of nobility and decorous breath also can be expressed in imperceptible come out, can express the aesthetic orientation of bedroom host very directly.

2.1 Use of library screens

Modern library space is given priority to with open mode, the design of screen basically is to have the effect that fights visual interference, according to different library area and job property, will set different material to pledges and screen of on any account, satisfy the need on the function. However, it is necessary to achieve the coordination and unity with the theme environment in specific library places. For example, enterprise library space highlights enterprise culture, while public institutions such as government agencies highlight the national culture and decoration styles of different regions.

2.2 Features of library screens

Modern screen is no longer stuck in a rut, on the basis of inductive, deductive Chinese tradition auspicious design, dare to break convention, make public individual character, value adornment sex, have fashionable feeling extremely, contemporary feeling.

1) Book style

Oriental culture has a profound foundation. Many people advocate Oriental culture, especially middle-aged and elderly people and foreign friends. Chinese traditional style is the most use of calligraphy and painting art, so there is a scholarly style. This style has absorbed the traditional Chinese elements, after processing and refining, the essence of the traditional screen combined with modern technology, the use of artistic expression techniques, developed into a new Chinese style with Chinese characteristics and vitality, from all aspects reflect the wind of literati.

2) Unreal style

Unreal creed style basically gets design bound and the personage place that have individual character to make public extremely favors. This kind of style modelling is peculiar, bold use all sorts of material pledges, modelling is peculiar, colour collocation art sex is strong, put have exquisite extremely, so this kind of style is distinctive from each respect, have craftsmanship extremely, do not have originality, guide vogue.

3. Library screen technology

In the process of using materials, we should grasp the characteristics of the materials and the corresponding techniques, and have a dialogue between the internal form of the works and the quality of the materials, so as to achieve the harmony between the forms of the works and the materials.

3.1 Plane forming technology

The factors to be considered in planar forming process include device form, change-in requirement, plate size and material selection, as well as fixation mode. From whole craft character, the appearance design of screen face and the form that place are screen key, because different screen face has different requirement, some are to make screen face with board, need wood craft technology makes the board face that accords with a requirement; Sometimes it is to want to make screen face with glass, need glass processing technology.

3.2 Screen bending technology

The zigzag technique of the screen surface is an operation technique by direct bending, punching and suspending.

3.3 Screen surface decoration technology

Screen decoration technology is characterized by a variety of forms, complex workmanship. The production method is rich (such as metal cold making, drawing and carving, etc.). Take common ceramic technology for example, pottery is fired with common clay and become, porcelain is fired with kaolin, hemacang earth or qimen earth, pottery art works quality of a material is thicker, porcelain art works quality of a material is exquisite, reason has coarse pottery and porcelain to say. The expression form that draws craft has realism, adornment style, abstraction to wait. Mosaic is an ancient craft form, and is still very popular with artists, which shows that the vitality of this craft is lasting. Its method has direct Mosaic, prefabrication and so on. The materials used can be described as diverse, such as jade, eggshells, glass, wire, shells and metal materials and so on.

4. Library screen requirements

In the modern library space, the screen plays its unique space separation effect incisively and vividly, which not only plays the role of dividing the space well, but also protects the personal privacy and facilitates the improvement of work efficiency. Libraries are very particular about simplicity. Without these partitions, it will look very messy. After the partition, the area will be clearly divided and the whole library space will be planned in a neat way, which will give people a kind of overall and comfortable feeling and also reflect the corporate image of the company. With the continuous development of modern library methods, the form of screen is also from the original movable wall, wooden compartment, chip structure, block structure to the form of workstation. The change of form, along with the improvement of functions and the renewal of materials, brings vitality and vigor to the library.

Modern library space is given priority to with open mode, the design of screen basically is to have the effect that fights visual interference, according to different library area and job property, will set different material to pledges and screen of on any account, satisfy the need on the function. However, it is necessary to achieve the coordination and unity with the theme environment in specific library places. For example, enterprise library space highlights enterprise culture, while public institutions such as government agencies highlight the national culture and decoration styles of different regions.

Many small companies that don't have the money to rent work space need screens to give them limited space so they can have their own work environment. Of course, occasionally meeting, a screen can help you save a lot of unnecessary trouble, save a lot of space and time.

Large enterprises need screens more, which can be aesthetic, the embodiment of corporate culture, but also can be more convenient to establish an independent working environment. As a result of be screen, the function that convenient move is to let an enterprise more endearment at him, can change

the pattern of company position distribution at any time, face all sorts of emergent circumstance to be able to change.

Especially some art companies, music companies, these companies need to change the venue, this time, the screen is the best protection. The stage environment is a high degree of the use of sound, light, electrical art art. In the modern environment, the forms of performance of the stage background are various. In recent years, screens have been used by many programs as the characteristics of mobility and strong stage expression. For example, in the form of opera culture, folk art and other forms of expression, it is often used as the background of its performance venues to give the audience visual aggregation and restrictions, so as to enhance the appeal of the stage and attract the audience. In concert of contemporary singer or literary evening party, according to the need of the program, often set screen; Due to the fixed stage background, it is easy to suffer from long-term visual fatigue after watching it for a long time. If a dynamic and changeable picture of lotus leaves in the south of the Yangtze river can be added behind the lithe and vigorous folk dancers in the south of the Yangtze river, it will not only relieve the visual fatigue of the audience, but also foil the performance theme

4.1 Data result analysis

In such a time with rapid development, screen can become more and more fashionable in bedroom life, will become one of modern important choices. Screen also is a kind of adornment in household at the same time, its modelling style can reflect people decorous quality, show a kind of harmony, halcyon, mysterious beauty. We should pay attention to the screen this traditional cultural element, make it continue, let Chinese elements to the world.

Along with the material diversification development, the manufacture craft unceasing innovation, the multimedia, the modern digital, the printing and so on advanced technology joins, the Chinese modern decoration screen will present the more and more multivariate appearance. The development of modern screen needs to combine new changes and demands in times and life, adopt new technology, new craft, new material, undertake interdisciplinary, cross-category conception and design to screen, make screen becomes contemporary art creation, serve public aesthetic and creative industry directly.

Screen serves as a part of indoor display, no matter from the function or from adornment effect, apply to any space of indoor environment, have foil effect to indoor whole environment. With the development of The Times, people are divided to the space more and more detailed, the art that screen serves as partition holds the weight that hold the balance indoors, this asks screen to go up in the function ceaseless progress develops, want to hold the essence of traditional screen already, want to seek innovation ceaselessly again. In application of screen of interior design, want to insist to be with the person this, hold the culture characteristic of times, reasonable use, make its accord with modern life style and aesthetic. Let the value and artistic charm created by this traditional Chinese culture keep pace with The Times and better serve the living environment.

4.2 Analysis of environmental factors

Library screen refers to the screen used in the library. As a workplace and library environment to meet people's library needs, library space needs to be expressed through different spatial design elements. Under the background of large space and time, the context of a library space is also the epitome of social production mode and industrial culture in a period. It is another statement of the characteristic culture and historical process in an era and a production field. A good library spatial context can meet the needs of the development of The Times and the transformation of the library model, and provide more valuable Bridges for staff to cooperate and interact. Modern open library space is a library that is divided according to the functional differentiation of enterprises, the number of staff and the different nature of work, and equipped with corresponding library furniture, and can change flexibly according to the needs. The main characteristic of this kind of library is to break the traditional fixed wall partition, adopt the variable structure combination form, change the space layout by adjusting the furniture arrangement, save space and energy, facilitate the information transfer between library personnel and mutual supervision, improve work efficiency. Generally, open library space includes

three types of space forms: the first is public space, such as reception room, reference room, negotiation room and lounge. This kind of space is relatively close a few, build a kind of kind, halcyon receive a visitor atmosphere. Usually consists of separate, independent Spaces. The second is the staff library space. Usually, the group members of the same nature of work or the same category are divided into relatively concentrated Spaces, such as the workstation of four or six people, so as to facilitate the exchange of opinions and information in the work. At present, the common staff library space mostly adopts the form of screen workstation. The third is the leader's library space. Generally located in the internal position of the library, commanding, reflects the leader's distinctive style, and at the same time with the whole open library space integration, highlight the characteristics of corporate culture. The open library includes space separation system and furniture system. Partition system is a variety of screen combination units; Furniture system is the necessary furniture in the combination unit. A good screen combination system should be able to integrate space above all, make the space achieves the most economical and reasonable use; Secondly, it has variability and can be combined at will to adapt to different work needs. In addition, complete ancillary equipment, perfect wiring arrangement, convenient assembly and maintenance are also indispensable elements.

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4.3 Analysis of product modeling elements

Appearance decent to meet the large environment to do modeling analysis. Above all confluence spends, the design of screen should fuse with integral library environment photograph, if screen style and colour are unified, of Chinese style idiomatic brunet department, contemporary multi-purpose is light-colored department; The regularity of plane layout plays a good role in guiding the flow of people. Of screen on any account dimension and material are unified wait a moment, handle specific detail ability to make the environment achieves unity. Next lively feeling, lively feeling basically is the psychological factor that considers to the person. The tonal that USES lively in screen adornment can give a person happy mood, at the same time lively tonal also can increase indoor daylighting to spend in the day. Be based on green have very good effect to alleviate apparent fatigue, the design of a lot of screens happened to coincide applied green attune, give a person a kind of good visual effect not only, create a kind of vigor and vitality, also be the originality in bright feeling design in screen and reform at the same time. Finally, color selection, different colors represent different emotional appeals. Warm tone lets a person feel enthusiastic bold and unrestrained, kind have vigor; Disadvantage is dimensional sense is bad, do not suit to be used at the room with relatively small space, and kind of noisy feeling, not quite serious. Cool tonal let a person feel calm and relaxed, dimensional sense is better; The downside is a lack of personalization. And neuter tonal feeling is more solemn and serious, express a kind of rational and rigorous culture, drawback is to lack emotional color, apply colour combination advisable, avoid drab feeling. Therefore, the design of library screen should be matched according to the color of library space and other library furniture to create a coordinated unified and systematic library furniture.

In the design library of partition screen "partition screen" it is to lie between and ceaseless, should facilitate already with the furniture union that places among them, should tear open outfit again convenient, the form is diversiform, satisfy the need between the library of different form and specification.

A. Module a of screen

The module of screen is the smallest scale unit in the process of screen design. In the process of determining the module of the screen, the spatial dimensions of buildings, furniture and various work units should be considered. 150mm or 100mm can be used as its expanded modulus; In particular, 150mm is used more, which is mainly due to the easy coordination between 150 and the module of the building.

B. height design of screen

The height dimension of screen basically is the eye height when the person stands and the eye height when sitting position will decide. The height range can be divided into four types: namely, when employees are sitting in a sitting position, they should communicate with each other in line of sight, and the height should be less than 1100 mm, so that the line of sight is not blocked for communication; When employees sit in a sitting position, there is no line of sight communication between them. The height should be more than 1400 mm, which can form a quiet space. When employees are standing, they should have visual communication with each other, the height should be less than 1400 mm, which will form an open vision; When employees are standing, they should have no visual communication with each other, and the height should be greater than 1800 mm, which can be used in libraries with high privacy requirements. Relatively tall screens are used to separate relatively large Spaces, while relatively low screens are used to separate relatively small Spaces. Small working space applies relatively tall screen height to be able to have depressive feeling.

C. Material structure design of screen

Screen is dimensional structure commonly, core frame basically has woodiness material and metallic material two kinds big; Cladding material USES thin particleboard more, fibreboard, still have fire prevention board. The flax flannelet that screen cloth USES makings, wearability is strong, do not assist combustion, naked eye does not have chromatic difference, via antifouling treatment, clean and convenient. In addition still use the cloth that has sound-absorbing effect more, in order to achieve colour and qualitative and beautiful effect. The constant emergence of new materials and technologies has also brought vitality to the development of screens. The frame material has changed from the world of aluminum alloy in the past to light aviation material, which is light and strong. Moreover, fire-proof and explosion-proof material has been added to effectively reduce the harm caused by fire. Still have new processing technology to make screen modelling changeeful, satisfy personalized demand. In addition, still have the design is attached in frame bottom level adjusts a foot, can adjust discretion according to different ground. The connection way that screen and screen usually have glyphal connection, L form connection, T form connection, P form connection, cross form connection, I glyphs connection, wang glyphs connection, wave form connection, triangle connection and semicircular slope form to wait a moment. The combination of these different forms of screen card position is elastic, reusable, disassemble and reassemble at any time, do not affect other adjacent screen card position completely, the pollution that produces because disassemble and assemble and the waste of resource reduce to zero; At the same time, there are a variety of optional material collocation, which can effectively split the space use and expand the design field.

5. Model effect

5.1 Color matching of products.

Of all sorts of color mix build ok, the color that chooses a few fresh tender gives a person the feeling of joy, heavy and heavy heavy wood gives a person sedate feeling, decide by the style of the company entirely.

Figure 5.8 rose of joy figure 5.9 steady brown

5.2 Introduction to product innovation points

The innovation is to use the simple fan element as the main core, and the simple wood frame finally forms the screen.

5.3 Product size

The outer frame of the square with side length of 200*200 is divided into 25 squares of 40*40 on average. There are 25 fans inside, plus two legs.

6. Conclusion

The function of space separation and cultural connotation of screen in modern library space are introduced by the way of modern library and the development of library furniture. Screen is applied in

contemporary should combine the characteristic of the space, the category of user, the characteristic of other library furniture to consider integratedly, the purpose is to make the design of screen can blend in integral environment more. The library space changes and develops unceasingly. Way from scattered to centralized, from open to centralized to the open library space, has brought the library furniture from unification to specialization and the evolution of intelligence, library screen also by the initial activities in the form of a wall, wooden compartments, plate structure, block structure form to the workstation, in the form of change along with the improvement of the function and material update, brought vigor and vitality to the library.

To sum up, the space division and cultural connotation of screen in modern design are based on its unique function and cultural accumulation as the carrier, and also have the aesthetic needs derived from it.

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