

Description

Invention Title

A Painting Color Palette for Long-lasting Moisturizing Pigment and Ink

Applicant

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Field of the Invention

The invention relates to the technical field of painting tools, in particular to a painting color palette for long-lasting moisturizing pigment and ink.

Background of the Invention**Description of the Related Art**

At present, painting and calligraphy are both art that people of all ages and all sexes like, Chinese calligraphy is highly regarded as an important place for the foundation of Chinese aesthetics, and Chinese calligraphy and Chinese painting are the core components of cultural construction and cultural confidence. In traditional painting or calligraphy activities, especially there is always residual color or ink in the color palette at the end of the last calligraphy or painting activity, and it will definitely cause great waste if washing it off, for example, using traditional color palette, if the palette was stacked up without washing, the pigment or ink remaining after the last painting has dried and cannot be normally used in next time use; those who have been engaged in painting for a long time know that the variedness remaining after the last painting are very rare and almost impossible to be copied, especially the high-level practitioners in the field of Chinese painting attach great importance to and are good at using variedness. In particular, whenever the artist had a fine painting in the previous day, and wanted to continue to use the remaining good mixed colors and variedness of the fine painting the next day, however, because of use of traditional color palette, the remaining variedness in the color palette has dried, this situation is more prominent in the spring and summer seasons, if the artist want to continue to use the remaining color in the color palette, it must use a brush to blend together with the water, and the result is that: the beautiful colorful variedness stored in the color palette is mixed to one color, almost losing the useful effect and value of the colorful variedness; most of the current practitioners of calligraphy and painting are soaked the pigment with water again, waiting for about 10 minutes, and using it again, however, even after a long wait, only the surface color is softened and moist, it is impossible to require the color to be moist, live, and clean, therefore, most of the high-level calligraphy and painting practitioners who have high requirements for painting can only wash away the remaining colors and rearrange the colors, which not only causes a lot of waste, but also is not conducive to the accumulation of experience in using complex colors and the rapid improvement of their ability especially for beginners. On the contrary, if continue to use it, the artist can only sacrifice the

quality of the painting, therefore, designing a painting color palette for long-term moisturizing of pigments and inks is an urgent problem for those skilled in the related fields.

Summary of the Invention

In order to solve above technical problems, the invention provide a technical scheme: a painting color palette for long-lasting moisturizing pigment and ink, comprising color palette and top cover, the color palette comprises chassis, inner annular walls and outer annular walls are provided with interval along the circumference of the chassis, the inner annular walls and the outer annular walls are vertically arranged and are perpendicular to the surface of the chassis, pigment area is formed between the area inside the inner annular walls and the chassis, flume region is formed between the area between the inner annular wall and the outer annular wall and the chassis, the top cover comprises a top tray having same structure with chassis, annular feet are provided on lower portion of the top tray, and when the top tray and the color palette are matched, the pigment area becomes a sealing area by the annular feet of the top cover inserting into the flume regions of the color palette, color palette core is provided inside the pigment area, and the center of top tray inner side surface is provided with an incense inserting hollow cylinder.

As an improvement, the height of the outer annular walls and the annular feet are same, the height of the inner annular walls is smaller than that of the outer annular walls, and when the top cover and the color palette are matched, the outer side surface of the annular foot is closely connected with the inner side surface of the color palette outer annular wall, the top cross section of the color palette outer annular wall is closely connected with bottom surface of the top tray, the bottom cross section of the top cover annular foot is closely connected with bottom surface of the flume region, thereby water-sealed structure and function are achieved by the annular feet inserting into the flume regions, and sealed flume regions are connected with the pigment area.

As an improvement, when the painting color palette is used as a single-layer ink stone, the single-layer color palette and the top cover are matched to seal.

As an improvement, when the painting color palette is used as overlapped color palette, lower portion of the chassis is provided with lower feet comprising same structure with top cover annular feet, the outer side surface of the lower feet is attached to the inner side surface of the outer annular wall, and when multiple color palettes are overlapped up and down, the lower feet of upper-layer color palette insert into the flume regions of lower-layer color palette, and the outer side surface of

the upper-layer color palette lower foot is closely connected with the inner side surface of the lower-layer color palette outer annular wall, the top cross section of lower-layer color palette outer annular wall is closely connected with bottom surface of the upper-layer color palette, the bottom cross section of the upper-layer color palette lower foot is closely connected with bottom surface of the lower-layer color palette flume region, thereby the pigment area of lower-layer color palette becomes a sealing area.

As an improvement, the color palette core is arranged on internal surface of pigment area.

As an improvement, the color palette core is arranged on inner annular walls, the color palette core comprises a core plate adapted to the shape of the pigment area, a 7-shaped core plate wall adapted to top portion of the inner annular wall is provided outer the circumference of the core plate, thereby the color palette core is supported on the inner annular walls, a chamber is formed between the core plate bottom and chassis upper surface, a limber hole is provided on bottom of the inner annular wall to connect to the chamber and the flume region, the height from top cross section of the core plate wall to flume region bottom is smaller than that of the outer annular walls.

As an improvement, the color palette core is fitted into the flume region, the color palette core comprises a core plate and core plate wall arranged outer the circumference of the core plate, the core plate is horizontally arranged in the middle of the core plate wall, thereby the cross section of the color palette core is H-shaped, when the core plate wall bottom inserts into the flume regions, a chamber is formed between the core plate bottom and chassis upper surface, a limber hole is provided on bottom of the inner annular wall to connect to the chamber and the flume region, the height of the core plate wall is smaller than that of the outer annular walls.

As an improvement, when the painting color palette is used as an ink stone to grind fresh-made ink with traditional ink stick, an ink grinding station is provided in the color palette core; when the painting color palette is used as an ink stone to draw and write using ready-made ink, a crescent-shaped ink scraper is provided in the color palette core.

As an improvement, the outer wall of one end of the ink grinding station is attached to the inner annular wall or core plate wall.

By adopting above structure, the invention has following advantageous effects: the invention is a painting color palette for long-lasting moisturizing pigments, when the painting color palettes are overlapped up and down, the lower feet of upper-layer color palette insert into the flume regions of lower-layer color palette, and using water as the sealing medium to seal colors, pigments, and inks

in a closed space, water is both a sealant and a moisturizer, the design thereof solves the problem that colors, pigments, and inks stored in traditional Chinese ink stones will dry out when they are not used for a long time, the invention can keep the colors, pigments and inks stored in the ink stones moisture for a long time, and can avoid huge waste caused by repeated cleaning of the remaining colors, pigments, and inks, which has great economic benefits; in particular, by adopting the invention, the colorful variedness remaining at the end of the last painting can be preserved as long-term moisture as before, and can be used directly in the next painting, which is rare and valuable for high-level painting practitioners. For painting practitioners, the invention is helpful to the use experience of color and the accumulation of color sense, which is incomparable with traditional painting tools. When the painting color palette is used as an ink stone to grind fresh-made ink with traditional ink stick, the ink grinding station and the painting color palette are integrated to provide technical support for those who use traditional ink stick to draw and write; when the painting color palette is used as an ink stone to draw and write using ready-made ink, a ink scraper is provided in the color palette core, and when the users needs to scrape the excess ink, they can avoid scraping excess ink along the flume side, which is facilitate the clean of the flume, the invention is convenient to use, avoids waste, is conducive to conservation and environmental protection, and is particularly beneficial to professional painting and calligraphy practitioners to produce excellent works. The invention have more unparalleled advantages than traditional color palette and ink stones on the accumulation of young people's calligraphy and painting experience and the improvement of their color sense, and should be vigorously promoted and used.

Description of Accompanying Drawings

Figure 1 shows the structure of a painting color palette for long-lasting moisturizing pigment and ink used as overlapped color palette in embodiment 1 of the invention.

Figure 2 shows the structure of a painting color palette for long-lasting moisturizing pigment and ink used as single-layer color palette in embodiment 1 of the invention.

Figure 3 shows the structure of a painting color palette for long-lasting moisturizing pigment and ink used as overlapped color palette in embodiment 2 of the invention.

Figure 4 shows the structure of a painting color palette for long-lasting moisturizing pigment and ink used as single-layer color palette in embodiment 2 of the invention.

Figure 5 shows the structure of a painting color palette for long-lasting moisturizing pigment and

ink used as overlapped color palette in embodiment 3 of the invention.

Figure 6 shows the structure of a painting color palette for long-lasting moisturizing pigment and ink used as single-layer color palette in embodiment 3 of the invention.

Figure 7 shows the structure of a painting color palette for long-lasting moisturizing pigment and ink providing ink grinding station in the invention.

Figure 8 shows the structure of a painting color palette for long-lasting moisturizing pigment and ink providing ink scraper in the invention.

As shown in accompanying drawings, 1-color palette, 1.1-chassis, 1.2-inner annular wall, 1.3-outer annular wall, 1.4-lower feet, 1.5-limber hole, 2-top cover, 2.1-top tray, 2.2-annular feet, 3-pigment area, 3.1-chamber, 4-flume region, 5-color palette core, 5.1-core plate, 5.2-core plate wall, 6-incense inserting hollow cylinder, 7-ink grinding station, 8-crescent-shaped ink scraper.

Detailed Description of the Preferred Embodiments

Embodiment 1

As shown in Figure 1 and Figure 2, a painting color palette for long-lasting moisturizing pigment and ink, comprising color palette 1 and top cover 2, the color palette 1 comprises chassis 1.1, inner annular walls 1.2 and outer annular walls 1.3 are provided with interval along the circumference of the chassis 1.1, the inner annular walls 1.2 and the outer annular walls 1.3 are vertically arranged and are perpendicular to the surface of the chassis 1.1, pigment area 3 is formed between the area inside the inner annular walls 1.2 and the chassis 1.1, flume region 4 is formed between the area between the inner annular wall 1.2 and the outer annular wall 1.3 and the chassis 1.1, the top cover 2 comprises a top tray 2.1 having same structure with chassis 1.1, annular feet 2.2 are provided on lower portion of the top tray 2.1, and when the top tray 2.1 and the color palette 1 are matched, the pigment area 3 becomes a sealing area by the annular feet 2.2 of the top cover 2 inserting into the flume regions 4 of the color palette 1, color palette core 5 is provided inside the pigment area 3, and the center of top tray 2.1 inner side surface is provided with an incense inserting hollow cylinder 6.

As a preferred embodiment of the invention, the height of the outer annular walls 1.3 and the annular feet 2.2 are same, the height of the inner annular walls 1.2 is smaller than that of the outer annular walls 1.3, and when the top cover 2 and the color palette 1 are matched, the outer side surface of the annular foot 2.2 is closely connected with the inner side surface of the color palette 2

outer annular wall 1.3, the top cross section of the color palette 2 outer annular wall 1.3 is closely connected with bottom surface of the top tray 2.1, the bottom cross section of the top cover 1 annular foot 2.2 is closely connected with bottom surface of the flume region 4, thereby water-sealed structure and function are achieved by the annular feet 2.2 inserting into the flume regions 4, and sealed flume regions 4 are connected with the pigment area 3.

As a preferred embodiment of the invention, when the painting color palette is used as a single-layer ink stone as shown in Figure 2, the single-layer color palette 1 and the top cover 2 are matched to seal.

As a preferred embodiment of the invention, when the painting color palette is used as overlapped color palette as shown in Figure 1, lower portion of the chassis 1.1 is provided with lower feet 1.4 comprising same structure with top cover 2 annular feet 2.2, the outer side surface of the lower feet 1.4 is attached to the inner side surface of the outer annular wall 1.3, and when multiple color palettes 1 are overlapped up and down, the lower feet 1.4 of upper-layer color palette insert into the flume regions 4 of lower-layer color palette, and the outer side surface of the upper-layer color palette lower foot 1.4 is closely connected with the inner side surface of the lower-layer color palette outer annular wall 1.3, the top cross section of lower-layer color palette outer annular wall 1.3 is closely connected with bottom surface of the upper-layer color palette, the bottom cross section of the upper-layer color palette lower foot 1.4 is closely connected with bottom surface of the lower-layer color palette flume region 4, thereby the pigment area 3 of lower-layer color palette becomes a sealing area.

As a preferred embodiment of the invention, the color palette core 5 is arranged on internal surface of pigment area 3.

As a preferred embodiment of the invention, when the painting color palette is used as an ink stone to grind fresh-made ink with traditional ink stick, an ink grinding station 7 is provided in the color palette core 5;

when the painting color palette is used as an ink stone to draw and write using ready-made ink, a crescent-shaped ink scraper 8 is provided in the color palette core.

As a preferred embodiment of the invention, the outer wall of one end of the ink grinding station 7 is attached to the inner annular wall 1.2 or core plate wall 5.2.

When the painting color palettes are overlapped up and down, the lower feet of upper-layer color palette insert into the flume regions of lower-layer color palette, and using water as the sealing

medium to seal colors, pigments, and inks in a closed space, water is both a sealant and a moisturizer, the design thereof solves the problem that colors, pigments, and inks stored in traditional Chinese ink stones will dry out when they are not used for a long time, the invention can keep the colors, pigments and inks stored in the ink stones moisture for a long time, and can avoid huge waste caused by repeated cleaning of the remaining colors, pigments, and inks, which has great economic benefits; when the painting color palette is used as an ink stone to grind fresh-made ink with traditional ink stick, the ink grinding station and the painting color palette are integrated to provide technical support for those who use traditional ink stick to draw and write; when the painting color palette is used as an ink stone to draw and write using ready-made ink, an ink scraper is provided in the color palette core, and when the users needs to scrape the excess ink, they can avoid scraping excess ink along the flume side, which is facilitate the clean of the flume;

When the invention is used as overlapped color palette, removing one by one layer from top to bottom in sequence, and putting in a place good for painting and writing; before packing up the color palettes when painting and writing are finished, checking the amount of water in the flume regions, and after adjustment, packing them up in the reverse order; when the painting, writing process needs to light an incense stick, turning the top cover upside down and inserting the incense into the incense inserting hole; when packing up the color palettes, snuffing out, pulling out and collecting well the incense, after cleaning the incense ash, covering the top cover; when the invention is used as an ink stone, the color palette of the ink stone is not provide with lower feet, and the color palette without is matched with the top cover, moreover, the inner wall of the color plate core is embedded with an inner round ink grinding station, or provided with an ink scraper on the surface to facilitate users to use.

Embodiment 2

As shown in Figure 3 and Figure 4, the difference between the embodiment and the embodiment 1 is that: the color palette core 5 is arranged on inner annular walls 1.2, the color palette core 5 comprises a core plate 5.1 adapted to the shape of the pigment area 4, a 7-shaped core plate wall 5.2 adapted to top portion of the inner annular wall 1.2 is provided outer the circumference of the core plate 5.1, thereby the color palette core 5 is supported on the inner annular walls 1.2, a chamber 3.1 is formed between the core plate 5.1 bottom and chassis 1.1 upper surface, a limber hole 1.5 is provided on bottom of the inner annular wall 1.2 to connect to the chamber 3.1 and the flume region 4, the height from top cross section of the core plate wall 5.2 to flume region 4 bottom

is smaller than that of the outer annular walls 1.3.

In the embodiment, the limber hole is connected to the chamber and flume region, which greatly increases the water storage capacity while effectively reduces the water level of the flume regions, simultaneously, the invention is convenient to use and greatly improves the the moisturizing degree of the color palettes; wherein the color palette core provided in the embodiment and the color palette can be integrated, or can be manufactured separately as separate components, which is conducive to regularly cleaning the flume regions during daily use, and can meet the requirements of epidemic prevention and beautifying the environment.

Embodiment 3

As shown in Figure 5, the difference between the embodiment and the embodiment 1 is that: the color palette core 5 is fitted into the flume region 4, the color palette core 5 comprises a core plate 5.1 and core plate wall 5.2 arranged outer the circumference of the core plate 5.1, the core plate 5.1 is horizontally arranged in the middle of the core plate wall 5.2, thereby the cross section of the color palette core 5 is H-shaped, when the core plate wall 5.2 bottom inserts into the flume regions 4, a chamber 3.1 is formed between the core plate 5.1 bottom and chassis 1.1 upper surface, a limber hole 1.5 is provided on bottom of the inner annular wall 1.2 to connect to the chamber 3.1 and the flume region 4, the height of the core plate wall 5.2 is smaller than that of the outer annular walls 1.3.

In the embodiment, the color palette core is a movable component, and is inserted into the flume region of the chassis when in use, which facilitates the cleaning of the flume regions and the chamber at a later stage.

The shape of the invention can be any shape, comprising but not but not limited to the traditional auspicious patterns such as square, circle, polygon, calabash shape, peach shape, zither shape, auspicious character shape and other traditional auspicious images, all should be included in the protection scope of the invention, in addition, putting other products need to be moisturized other than pigments and ink into the sealing area, should also be include in the protection scope of the invention.

The invention and embodiments thereof have been described above, and the description is not limited thereto, only one embodiment of the invention is shown in the accompanying drawings, and the actual structure is not limited thereto. In conclusion, the similar structures and embodiments with the technical scheme of the invention, in particular to the application of flume sealing

technology and the application of multiple cross-sections close attachment (connection) technology, which are designed by the general skilled person in the art inspired by the invention, without creativity and without departing from the spirit of the invention, should be included in the protection scope of the invention.

Claims

1. A painting color palette for long-lasting moisturizing pigment and ink, comprising color palette and top cover, the color palette comprises chassis, inner annular walls and outer annular walls are provided with interval along the circumference of the chassis, the inner annular walls and the outer annular walls are vertically arranged and are perpendicular to the surface of the chassis, pigment area is formed between the area inside the inner annular walls and the chassis, flume region is formed between the area between the inner annular wall and the outer annular wall and the chassis, the top cover comprises a top tray having same structure with chassis, annular feet are provided on lower portion of the top tray, and when the top tray and the color palette are matched, the pigment area becomes a sealing area by the annular feet of the top cover inserting into the flume regions of the color palette, color palette core is provided inside the pigment area, and the center of top tray inner side surface is provided with an incense inserting hollow cylinder.
2. The painting color palette for long-lasting moisturizing pigment and ink of claim 1, wherein the height of the outer annular walls and the annular feet are same, the height of the inner annular walls is smaller than that of the outer annular walls, and when the top cover and the color palette are matched, the outer side surface of the annular foot is closely connected with the inner side surface of the color palette outer annular wall, the top cross section of the color palette outer annular wall is closely connected with bottom surface of the top tray, the bottom cross section of the top cover annular foot is closely connected with bottom surface of the flume region, thereby water-sealed structure and function are achieved by the annular feet inserting into the flume regions, and sealed flume regions are connected with the pigment area.
3. The painting color palette for long-lasting moisturizing pigment and ink of claim 2, wherein when the painting color palette is used as a single-layer ink stone, the single-layer color palette and the top cover are matched to seal.
4. The painting color palette for long-lasting moisturizing pigment and ink of claim 1, wherein when the painting color palette is used as overlapped color palette, lower portion of the chassis is provided with lower feet comprising same structure with top cover annular feet, the outer side surface of the lower feet is attached to the inner side surface of the outer annular wall, and when multiple color palettes are overlapped up and down, the lower feet of upper-layer color palette insert into the flume regions of lower-layer color palette, and the outer side surface of the upper-layer color palette lower foot is closely connected with the inner side surface of the

lower-layer color palette outer annular wall, the top cross section of lower-layer color palette outer annular wall is closely connected with bottom surface of the upper-layer color palette, the bottom cross section of the upper-layer color palette lower foot is closely connected with bottom surface of the lower-layer color palette flume region, thereby the pigment area of lower-layer color palette becomes a sealing area.

5. The painting color palette for long-lasting moisturizing pigment and ink of claim 1, wherein the color palette core is arranged on internal surface of pigment area.

6. The painting color palette for long-lasting moisturizing pigment and ink of claim 1, wherein the color palette core is arranged on inner annular walls, the color palette core comprises a core plate adapted to the shape of the pigment area, a 7-shaped core plate wall adapted to top portion of the inner annular wall is provided outer the circumference of the core plate, thereby the color palette core is supported on the inner annular walls, a chamber is formed between the core plate bottom and chassis upper surface, a limber hole is provided on bottom of the inner annular wall to connect to the chamber and the flume region, the height from top cross section of the core plate wall to flume region bottom is smaller than that of the outer annular walls.

7. The painting color palette for long-lasting moisturizing pigment and ink of claim 1, wherein the color palette core is fitted into the flume region, the color palette core comprises a core plate and core plate wall arranged outer the circumference of the core plate, the core plate is horizontally arranged in the middle of the core plate wall, thereby the cross section of the color palette core is H-shaped, when the core plate wall bottom inserts into the flume regions, a chamber is formed between the core plate bottom and chassis upper surface, a limber hole is provided on bottom of the inner annular wall to connect to the chamber and the flume region, the height of the core plate wall is smaller than that of the outer annular walls.

8. The painting color palette for long-lasting moisturizing pigment and ink of claim 1, wherein when the painting color palette is used as an ink stone to grind fresh-made ink with traditional ink stick, an ink grinding station is provided in the color palette core;

when the painting color palette is used as an ink stone to draw and write using ready-made ink, a crescent-shaped ink scraper is provided in the color palette core.

9. The painting color palette for long-lasting moisturizing pigment and ink of claim 8, wherein the outer wall of one end of the ink grinding station is attached to the inner annular wall or core plate wall.