الابداع بالتشكيل على المانيكين للفتيات الصغيرات من أزياء العصر الفيكتوري ما بين عام 1860-1890م

نجلاء إبراهيم بن حمدان

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المستخلص:
هدف البحث تشكيل أزياء على المانيكين لفئة الفتيات الصغيرات التي تتراوح أعمارهن ما بين (10-18) سنة: تم استلهام أزيائهن من أزياء النساء في العصر الفيكتوري خلال الحقبة الزمنية (1860-1890م)، حيث قسمت الحقبة الزمنية إلى فترات زمنية وهي: (60-70) و (70-80) واخير (80-90)، وتم تحليل كل زي واقتباس ما يناسب فئة عينة البحث، حيث بلغت تسع عينات وقسمت كل ثلاث عينات لفترة زمنية.

أهم النتائج تم تشكيل أزياء على المانيكين للفتيات الصغيرات وتم تحكيم القطع المنفذة من قبل أعضاء هيئة التدريس بجامعة أم القرى من قسم تصميم الأزياء. حيث جاء التصميم الرابع محقق لعناصر التصميم بنسبة (44.275)؛ وحقق التصميم الثاني لجانب أسس ومبادئ التصميم بنسبة (39.437) والتصميم التاسع لجانب الوظيفي بنسبة (53.037) والتصميم الرابع لجانب الأبداع بنسبة (34.125)؛ والتصميم التاسع لجانب الجمال بنسبة (58.8).

أهم التوصيات أجراء المزيد من الدراسات التي تربط بين أساليب التشكيل على المانيكين ومحور تاريخ الأزياء والحاضرات القديمة. والاهتمام بتشكيل أزياء على المانيكين للفتيات الصغيرات.

الكلمات المفتاحية: التشكيل على المانيكين، الأزياء الفيكتورية، الفتيات الصغيرات، الملابس، تاريخ الأزياء.

1 جامعة أم القرى. قسم تصميم الأزياء.
Creativity in the Draping on the mannequin of Young Girls Victorian Fashion between 1860-1890

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Abstract:
The history of civilizations in the past centuries is a rich source for creativity and inspiration in all areas of art and design, especially in the field of fashion design. Many designers draw their designs from previous eras; which is the aim of this research as we propose designing fashion the mannequin for the category of young girls aged between (10-18). The costumes were inspired by Victorian women’s costumes during the time period (1860-1890) and were subdivided into three time periods (1860-1870), (1870-1880), (1880-1890) forming three designs for each time period, analyzing the nine designs to achieve the creative, functional and aesthetic aspects that are appropriate for the age group (research sample). The importance of the research lies in it being an analytical historical study. The implementation of the designs depends on the method of formation on the mannequin of the young age group, which makes it different from studies that always rely on the formation women mannequin. The pieces were referred by the faculty members of Umm Al-Qura University, the Department of Fashion Design. The results revealed that there are statistically significant differences between the nine designs in terms of the design elements, basis and principles of the design, functional, creative and aesthetic sides. Design number 4 met the design requirements with a percentage of 44.275; design number 2 met the principles of the design scoring 39.437%; design number 9 scored 53.037% in regards to practicality; design number 4 obtained 34.125 on the aspect of creativity and design number 9 accumulated 58.8% on the aesthetic side.

The paper concludes with recommendations to conduct further studies that link the Draping method on the mannequins and the field of fashion history in different civilizations. Attention to the Draping of fashion on the mannequins for the category of young girls.

Keywords: Draping on mannequins, Victorian era, Fashion design, Young girls, Clothing, Fashion history.

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Introduction and research problem:

The historical study of fashion is a mirror of arts that shows us the cultural progress of peoples in different periods of time. It reflects the spirit of public culture, historical patterns and aesthetic ideals. Fashion art is influenced by the style of any age. It is one of the arts that reflects aesthetic sensations and satisfies man’s psychological and social desires (Boucher & Deslandres, 1987).

The fashion of women is one of the most prominent styles of arts to express the artistic values and aesthetic experience of the society and is a civilized expression that emphasizes the human ability to adopt cultural change. It comes out of human needs ranging from practicality to the field of higher values like beauty, achieving a unique artistic vision (Alhaddad, 2009).

Historically speaking, outfit is a treasure of original designs and a source of inspiration and innovation in contemporary fashion. Fashion designers are inspired by outfits through their exterior and interior styles throughout the ages (Aabdeen, 1995).

The Victorian era began in England in 1837 when Queen Victoria assumed power after the death of her uncle William IV without an heir. Her age became the longest in England’s history where Britain witnessed an industrial and political revolution, scientific and cultural as well as the military field and perhaps the most important characteristic of that period is the expansion of the English Empire (Chrisp, 2005).

England enjoyed, under the rule Queen Victoria, a period of economic growth combined with technological progress. As such, mass production of sewing machines in the 1850s, as well as the appearance of synthetic dyes, led to major changes in fashion, producing clothes faster and cheaper. Progress in printing and the spread of fashion magazines allowed the masses to participate in the evolving trends of high fashion, opening up to the consumption market (Breward, 1995). The fashion in this period was characterized by luxury and extravagance in the quantities used in silk fabrics, braces, cori silks, ferns and roses, and the clothing was also distinguished by the beauty of the designs of that era of art, innovation and creativity. Victorian fashion was not meant to be utilitarian but outfits were seen as a reflection of the place of women in society (Gernsheim, 1963).

The dresses of this era were characterized by luxury, elegance of silk fabrics, lace, jewelry such as crystal and others. This is considered a fertile source for inspiration and the creation of clothing suitable for girls through mannequins Draping, especially as the designers give the largest share in the Draping on the women’s mannequins, not girls, which has called the researcher to investigated the research problem which aims at answering the two questions:

1. The possibility of studying a collection of women’s fashions between the period 1860 to 1890, and whether such study will lead to designing little girls’ fashion using mannequin s platforms?
2. Is it possible to achieve the elements, basis and principles of design in the formation on the mannequins of the target group?
Research aim

The research aims to study a collection of women’s fashions between the period 1860 to 1890 and examine the possibility of designing little girls’ fashion using mannequins as platforms for design. Achieving the elements of lines, shape, color, texture, direction of fabric and level of comfort. The principles of design on mannequins included the balance, proportionality, emphasis, and rhythm of the target sample while highlighting the fashion of women in the Victorian era in terms of creativity and aesthetic features through the Draping of fashion for girls.

The study adopts a historical analysis of the most important features of women’s fashion in the Victorian era from 1860 to 1890 to create designs suitable for girls. Highlighting the elements and common principles between the new designs and the source in an aesthetic manner suitable for the age group formed. To achieve the functional, creative and aesthetic aspect of high-class fashion on the mannequins for girls inspired by Victorian women’s fashion.

Research importance

Analytical study for the history of Victorian women’s fashion and the designs that form on the mannequins for the target group through demonstrating the creative aspect. Common elements between the designs and the source were highlighted in an aesthetic way that suits the age group.

Research limitations

The current study is limited to temporal limits: Fashion for women in the Victorian era of 1860-1890. Age limits: between the age of (10-18) years. Temporal limits the first semester of the academic year 1437-1438 AH.

Terminology

Creativity: Michael Mumford suggests that creativity involves the production of new and useful products (Mumford, 2003). It is the kind of thinking that is always aimed at innovation and creation and by producing new solutions that do not exist before, that is, thinking that is characterized by fluency, flexibility and originality(Habeb, 2003).

Decorating the mannequins: Is the fastest way to make a model, as well as quick designs that offer the opportunity to display many ideas, fast and innovative notes the impact of cloth quickly on the mannequins and testing the quality of the composition and knowledge of the appropriate cloth (Pomeroy, 1992).

Inspiration: Is the science that seeks to solve design problems by looking at nature as an example to follow (Qasim, 2002). Is an interaction process Between fashion designer and fashion source, produces innovative designs that match modern fashion and maintain the spirit of design so that the viewer sees the familiar thing from a new angle with original source features (Shokri, 1996).

The girls: The researcher means the human female between the ages of (10-18).
Hypotheses search possibility—draping dresses for girls aged (10-18) years, inspired by Victorian women’s fashion between the period 1860 to 1890. There are statistically significant differences between the nine designs according to the opinion of the arbitrators in achieving the design elements. (Principles and basics of design. Functional side. Creative side. Aesthetic side).

Victorian costumes: Named after Queen Victoria. This great queen was able to ascend the throne at the age of eighteen, and ruled England for 64 years (Chrisp, 2005). Queen Victoria had a great role in spreading fashion s women among the English aristocrats at that time through following and acquiring the latest and most fashionable clothing lines. She was appearing at the height of her majesty and grandeur by wearing fashionable clothes and showing up in celebration within the royal palace (www.bbc.co.uk). As the Queen of the country, she became the fashion ambassador for England and most European countries (Ahmad, 2010). Aristocratic women were following the example of Victoria in choosing their clothes. They had enough money to spend excessively only to show off and compete against each other, displaying their fortune by wearing expensive clothes. (http://www.vintageconnection.net/).

During the period (1860-1899), Queen Victoria was no longer an ambassador and a pioneer of fashion as before due to the death of her husband Albert. She began to dress in simple clothes and black color mourning for her husband’s death and continued this way until her death. From the 1860s until the end of the Victorian era, women’s fashion underwent major changes such as the shrinking and decreasing of the size of crinoline. Also, wearing long corsets to achieve the sand watch shape, which portrays small waist, large hips, and protrude breasts. (Chrisp, 2005; Truman, 1952). There was a peculiar feature in the Victorian era where women of similar ages have very similar outfits, and their clothes can distinguish married and single women and once the girl marries, she gives up all her previous clothes. Victorian-era women’s clothing of the past remained a legacy as upper class women continued wearing them and were bound by these clothing’s robes, and tails despite their advances in many areas of life. Corsets were hindering women from bending downs and women hands were covered with ruffles as balloons. These images continued until the 1870s (https://www.wikipedia.org/). It was popularized in the nineteenth century to use a variety of fabrics such as cashmere, silk, velvet, Ottoman silk, satin, valor, hill cloth, brocade, wool used in the nineteenth century as well as gauze, lace, and chiffon in the 1890s. The Industrial Revolution influenced 19th-century art in general, fashion art in particular, and led to the emergence of new models and styles that enjoyed a new fashion whose content combines old historical styles with modern fictional styles influenced by the nature and conditions of the new era. Therefore, the nineteenth century was characterized by the general features and characteristics that formed from this era, an important stage in the history of modern Europe which influenced the fashion trends of this era, and expanded the scope of vision, added to human experiences in the field of arts new things (Porter, 1990; Waugh, 2013).
Decorating the Mannequins: Mannequins is a source of power that leads the designer to create many designs and helps to highlight his skill in moving and manipulating fabrics and materials to translate ideas to reality in the form of a design (Shokri, M. N., 2012). Manikin is an inspiration and one of the main tools used in the formation, which forms the human body in a three-dimensional mold, and is also used in the preparation of models and the formation and control of clothing (alsanhory, 2009).

Research procedures:
Research Methodology:
Firstly: Analytical historical approach to describing Victorian fashion.
Secondly: The experimental method in imitating designs of Victorian fashion and applying them in a fashion modulation style to the mannequin.

The research sample: Intentional sample of girls aged 10-18. Nine designs were executed; one design per age. The sample meets the research criteria. The Lack and scarcity of research that pay attention to the formation of this category.

Limitation: (Fashion for women in the Victorian era of 1860-1890). The design is inspired by Victorian fashion for young girls. Method of Draping on mannequins).

Tools: (photo. Suggested designs. Photoshop. Children’s mannequins. Arbitration forms).

Measures: (Pictures: Victorian fashion images were obtained during the time period (1860-1890m) from the website of the Metropolitan Museum of Art www.metmuseum.org), Analysis of each costume and source design appropriate for the age group.

Suggested designs: Nine designs for girls inspired by Victorian fashion were prepared using the Illustrator and the Photoshop software, and the implementation was draping on the mannequins.
Children’s mannequins: mannequins for children (sample) by specifying meridians] Half line Forward - half-back line - side line [latitudes] Chest line - midline - back line.

Arbitration Forms: The researcher prepared a questionnaire to evaluate the designs and presented them to a committee of faculty members at Umm Al-Qura University, consisting of (6) members of the design faculty in the fashion design department; the first axis was design elements which included five expressions. The second axis was the foundations and principles of design based on four terms. The third axis was the functional side of the design, which included four terms. Axis IV expressed the creative side, which was based on six phrases. And finally, the fifth axis represented the aesthetic side which was based on five phrases.

Results: The validity of the design evaluation form is based on the Victorian era using the internal consistency between the total grade of each axis and the overall degree of the form by calculating the internal consistency of the correlation coefficient (Pearson correlation coefficient) between the total
degrees of each axis. Degree of achievement of the creative aspect, extent of achieving the aesthetic aspect and the overall degree of the form. The following table shows that:

Table (1)

The correlation coefficients between the degree of each axis and the degree of the form

| Axles                                      | Link     | Significance |
|--------------------------------------------|----------|--------------|
| The first axis: Meeting design elements    | 0.853    | 0.01         |
| The second axis: Meeting the principles and principles of design | 0.912    | 0.01         |
| Third Axis: Meeting the functional aspect  | 0.776    | 0.01         |
| Fourth Axis: Meeting the creative side     | 0.804    | 0.01         |
| Fifth Axis: Meeting the aesthetic aspect   | 0.947    | 0.01         |

It is clear from the table that all correlation coefficients are 0.01 approaching even number, which indicates the stability of the axes in the form.

Stability: Stability was calculated using Alpha Cronbach, Split-half

Table (2)

The stability coefficient values for the axes of the form

| Axles                                      | Alpha coefficient | Split-half       |
|--------------------------------------------|-------------------|------------------|
| The first axis: Meeting design elements    | 0.908             | 0.942 - 0.861    |
| The second axis: Meeting the principles of the design | 0.813             | 0.855 - 0.779    |
| Third Axis: Meeting the functional aspect  | 0.762             | 0.805 - 0.723    |
| Fourth Axis: Meeting the creative side     | 0.883             | 0.924 - 0.841    |
| Fifth Axis: Meeting the aesthetic aspect   | 0.740             | 0.785 - 0.703    |
| The questionnaire overall consistency      | 0.864             | 0.909 - 0.821    |

The above table shows that all values of stability coefficients: Alpha, split-half, function at level 0.01 indicating the consistency of the form.

The first hypothesis states: The possibility of forming dresses for girls aged (10 -18) years, inspired by Victorian women’s fashion between the period 1860 to 1890. The researcher selected some of the Victorian costumes exhibited at the Metropolitan Museum of Art and analyzed them, then inspired designs suitable for the age group of research.
### Table (3)

| Historical period: 1860 AD | Historical period: 1865 AD | Image: Historical period: Late 1960s |
|----------------------------|----------------------------|--------------------------------------|
| ![Image](1)                | ![Image](2)                | ![Image](3)                           |

**Source:** [www.metmuseum.org](http://www.metmuseum.org)

**Analysis**

- **Fabric:** Silk.  
  - **Color:** Beige.  
- **Costume components:** A two-piece dress; the top is attached to the bottom.  
  - The upper part: Neck stiffness is tight and high.  
  - The shoulders line is low, and the sleeves are tight and long.  
  - Waist tight on the body.  
- **Skirt:** The shape of the bell, taken from the front with the breadth plus in the back and the bottom of the back;  
- **Decoration:** took the military style design, and used a bar of cloths, cord, pearls.

- **Fabric:** Cotton.  
  - **Color:** Beige dark.  
- **Costume components:** A two-piece dress; the top is attached to the bottom.  
  - The upper part: Neck tightness is narrowly Drape with ribbons in the form of a collar.  
  - The held front line is Drape with buttons.  
  - A low sleeve line is a large sleeve shaped like balloons decorated with ribbons.  
  - Waist is tight on the body.  
- **Skirt:** The lower part is wide and made up of a single layer.  
- **Decoration:** Ribbons of blue - Embroidery in the form of circles.

- **Textile:** Cotton.  
  - **Color:** the Red.  
- **Costume components:** A two-piece dress; the top is attached to the bottom.  
  - The upper part: The circular round neck is decorated with bows finished with a fringe and a hidden line of a half-front line decorated with black lace.  
  - The line of shoulders is slightly thin and slightly overstuffed with a black lace.  
  - The waist is a bracelet on the body, surrounded by a belt of the same type and the color of the fabric is medaled with a fringe decorated with black lace.  
  - The upper layer is open from the front in the shape of 8 and the back is a collection of cloth decorated with black lace.  
  - The lower layer is a broad skirt from the front and back has a tail stretched to the ground.  
- **Decoration:** Lace-Ups.
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| The source | Designs | Table (4) | Fashion time period 1870-1880 |
|------------|---------|-----------|-------------------------------|
| ![Image](https://www.metmuseum.org) | ![Designs](https://www.metmuseum.org) | ![Table](https://www.metmuseum.org) | ![Fashion](https://www.metmuseum.org) |
| Historical period: 1870 AD | Historical period: 1875-1872 m | Historical period: Late seventies |

| ![Photo (4)](https://www.metmuseum.org) | ![Picture (5)](https://www.metmuseum.org) | ![Photo (6)](https://www.metmuseum.org) |

Source: [https://www.metmuseum.org](https://www.metmuseum.org)
The analysis details are structured in a table format as follows:

| Fabric: | Silk. | Silk embroidered. | Silk and wool. |
| --- | --- | --- | --- |
| the color: | Green. | Green and blue. | Brown. |
| Costume components: | A two-piece dress; the top is attached to the bottom. | A two-piece dress; the top is attached to the bottom. | A two-piece dress; the top is attached to the bottom. |
| The upper part: | Body shape is taken; chest center is designed | U-shaped neck decorated with a satin ribbon finished with a bang, with a front bumper and a small pointed pin. | The round neck is neck-shaped and decorated with lace; |
| | V shape of the sides are decorated with small, evenly cut beads with cilia of green thread. | The midline is U-shaped. | Shoulder line: Narrow sleeves decorated with lace limbs. |
| | The neck stiffness is slightly elevated in a circular shape with a muzzle of the front and small pointed ezars of the poles. | The sleeves are tight and long. | lower part: Tissue cloths gave beauty to the shape of the skirt as the skirts became closer to the body lines and less widened from the front and back than the previous periods. |
| | The line of shoulders is low, the long sleeve tight ends the shaped | lower part: It is an upper skirt with 8-shape with lower skirt and tail on the back with dangling Draping. | The edges are decorated with cornice. |
| | bracelet V. Its edges are decorated with small beads with cuffs of green. | Decoration: Ribbons - Embroidered - Fionka. | Decoration: garnish - lace - buttons. |
| | The waist is knitted on the body taken shape V. | | |
| | lower part: It consists of two layers of short upper layer finely chopped with small beads and cilia of green color. | | |
| | The second bottom layer is wide. | | |
| | Decoration: Cuts, cilia, and oaks were used. | | |
| | | | |
| | The source | | |
Table (5)  

Fashion Time Period 1880-1890m

| Historical period: 1880 AD | Historical period: 1885 AD | The late 1980s |
|----------------------------|----------------------------|---------------|
| ![Picture (7)](source)    | ![Picture (8)](source)    | ![Picture (9)](source) |

Source: [www.metmuseum.org](http://www.metmuseum.org)

Analysis

| Fabric: Silk | Fabric: Silk | Fabric: Silk and Tal |
|--------------|--------------|----------------------|
| the color: Apricot and Lace - Golden Lace | the color: Blue embroidered and gentlemen | the color: Green, and black |
| Costume components: A two-piece dress; the top is attached to the bottom. | Costume components: A two-piece dress; the top is attached to the bottom. | Costume components: A two-piece dress; the top is attached to the bottom. |
| The upper part: The neck is shaped by a Chinese chalk; V Decorated with apricot cloth, a | The upper part: The neck is a Chinese collar, and the cut of his collar is on the front corsage. | The upper part: The neck is a high voice; a hidden headdress adorned with |
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| Cloth in the center is decorated with golden lace. | Line shoulders long and narrow sleeves, decorated with ribbons of lace. | Sashes, drab in the middle of the front. |
|---|---|---|
| Shoulder line: The sleeves are tight and long and the bracelet ends with a color that is opposite to the colored cloth. Take the midfield V-shaped. lower part: two skirts; the upper is shaped like 8 and its edges are finished with garnish; the lower skirt is decorated with embroidered cloth and garnished from the bottom. The back is a fold of cloth and the bottom of the rear is less than the previous periods and the edges of the tail are decorated with garnish. | Midline V-shaped. lower part: The upper skirt is composed of clusters of jars and balloons, the underside of embroidered cloth embroidered down. garnish of the same type of cloth. The posterior appearance is designed as fractions. **Decoration:** Lace - ribbons - carnations. | Shoulder line: For sleeves with a ruffle of top decorated with bangles and ribbons. Midline V-shaped The left side contains the right hand flap containing pieces of lace fabric that slip down lower part: Extensive gauze and the upper cloth of the hill is padded with silk cloth. **Decoration:** Ribbons & ribbons. |

**Decoration:** Lace - karnish - cloth cloths.
Designs

Models of dresses draping on the mannequins inspired by Victorian fashion

Design 7  Design 3  Design 4
Suspension: The study concluded that fashion between 1860 and 1870 was made up of two upper corsets with a front head and a high neck opening; the lower part was long and broad in the front, with an extra width of the back And highlight the rear. *This is consistent with* What you mentioned (Cunnington, 2013) By the end of the 1860s, the curves dominated Axillaries, especially in the back part of the dress.

The fashion between 1870-1880 was characterized by two pieces; the breadth of the back was shorter than the previous periods and the clothing began to approach the line of the body. I have stated (Cunnington, 2013) from the early 1870s on, the wide crinoline disappeared, and the dress took on the basic shape of the glass watch, with the hip showing an extra stretch of the front. The two-piece dresses were consistent, and the narrow midline was dominated by the wide girths of the length.

Fashion (1880-1890m) was characterized by the fact that its lines came closer to the bodylines, but the stitch is still produced by assemblies and folds of fabrics to increase its size. I have mentioned (Zimmerman, 1985) The remains of the clamor in the folds or gatherings remained in the back of the gonola.

This period of 1860-1890 was most characterized by the excessive use of silk fabrics. *This fulfills the first hypothesis.*

The second hypothesis There are statistically significant differences between the nine designs in achieving design elements according to the opinion of the arbitrators

To investigate this hypothesis, the variance analysis of the mean scores of the nine designs was calculated in order to achieve the design elements according to the opinion of the arbitrators. The following table illustrates this:
Table (6)

Analysis of the variance of the average scores of the nine designs in achieving design elements according to the opinion of the arbitrators

| Achieve design elements | Total squares | Average squares | Degrees of freedom | Value (P) | Significance |
|-------------------------|---------------|-----------------|--------------------|-----------|--------------|
| Between groups          | 10571.048     | 1321.381        | 8                  | 40.516    | 0.01 D.      |
| Within groups           | 2054.691      | 32.614          | 63                 |           |              |
| Total                   | 12625.739     |                 | 71                 |           |              |

Table (6) shows that the value of \((q)\) was (40.516), which is a statistically significant value at the level of 0.01, indicating that there are differences between the nine designs in the achievement of design elements according to the opinion of the arbitrators, and to know the direction of significance was applied Schiffe test of multiple comparisons and the following table shows this:

Table (7)

Schiffe test for multiple comparisons

| Achieve design elements | The first design \(M = 40.437\) | The second design \(M = 30.675\) | The third design \(M = 14.350\) | The fourth design \(M = 44.275\) | The fifth design \(M = 21.512\) | Design VI \(M = 17.575\) | Seventh Design \(M = 25.475\) | Design VIII \(M = 9.512\) | Design IX \(M = 33.675\) |
|-------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| The first design        | -                                |                                  |                                  |                                  |                                  |                          |                          |                          |                          |
| The second design       | 9.762                            | -                                |                                  |                                  |                                  |                          |                          |                          |                          |
| The third design        | 26.087                           | 16.325                           | -                                |                                  |                                  |                          |                          |                          |                          |
| The fourth design       | 3.837                            | 13.600                           | 29.925                           | -                                |                                  |                          |                          |                          |                          |
| The fifth design        | 18.925                           | 9.162                            | 7.162                            | 22.762                           | -                                |                          |                          |                          |                          |
| Design VI               | 22.862                           | 13.100                           | 3.225                            | 26.700                           | 3.937                           |                          |                          |                          |                          |
| Seventh Design          | 14.962                           | 5.200                            | 11.125                           | 18.800                           | 3.962                           | 7.900                     |                          |                          |                          |
| Design VIII             | 30.925                           | 21.162                           | 4.837                            | 34.762                           | 12.000                          | 8.062                     | 12.762                   |                          |                          |
| Design IX               | 6.762                            | 3.000                            | 19.325                           | 10.600                           | 12.162                          | 16.100                    | 8.200                    | 24.162                   |                          |

** D when 0.01
*D* when 0.05
No stars other than D
Of Table (7) It is clear that there were statistically significant differences between the nine designs at the level of significance 0.01. The fourth design was the best design in the design elements according to the opinion of the arbitrators, followed by the first design, then the ninth design, then the second design, then the seventh design, then the fifth design, then the sixth design, then the third design, and finally the eighth design.

There are statistically significant differences between the nine designs in the extent of achieving the principles and principles of design according to the opinion of the arbitrators.

To investigate this hypothesis, the variance analysis of the mean scores of the nine designs was calculated in the extent to which the principles and principles of design were achieved according to the opinion of the arbitrators.

Table (8)
Analysis of the variance of the average scores of the nine designs in the extent of achieving the principles and principles of design according to the opinion of the arbitrators

| Achieving the principles and principles of design | Total squares | Average squares | Degrees of freedom | Value (P) | Significance |
|-------------------------------------------------|---------------|-----------------|--------------------|-----------|--------------|
| Between groups                                  | 13616.954     | 1702.119        | 8                  | 65.872    | 0.01 D.      |
| Within groups                                   | 1627.916      | 25.840          | 63                 |           |              |
| Total                                           | 15244.870     |                  | 71                 |           |              |

Table (8) shows that the value of $q$ was (65.872), which is a statistically significant value at the level of 0.01. Indicating that there are differences between the nine designs in the extent of achieving the principles and principles of design according to the opinion of the arbitrators, and to know the direction of significance has been applied Schiffe test of multiple comparisons and the following table shows:
Table (9) shows statistically significant differences between the nine designs at a level of significance 0.01, The second design was the best design to achieve the principles and principles of design according to the opinions of the arbitrators, followed by the seventh design, then the ninth design, then the first design, then the fourth design, then the eighth design, then the third design, then the fifth design, and finally the sixth design. While there are no differences at the level of significance 0.05 Between the first design and the ninth design.

There are statistically significant differences between the nine designs in terms of achievement of the functional aspect according to the opinion of the arbitrators.
To investigate this hypothesis, the variance analysis of the mean scores of the nine designs was calculated in terms of achievement of the functional aspect according to the opinion of the arbitrators. The following table shows this:

**Table (10)**

**Analysis of the variance of the average scores of the nine designs in the extent of achieving the functional aspect according to the opinion of the arbitrators**

| Bezel Achieve Functional side | Total squares | Average squares | Degrees of freedom | Value (P) | Significance |
|------------------------------|---------------|-----------------|-------------------|-----------|--------------|
| Between groups              | 5838.980      | 729.873         | 8                 | 23.689    | 0.01 D.      |
| Within groups               | 1941.088      | 30.811          | 63                |           |              |
| Total                       | 7780.068      |                 | 71                |           |              |

Table (10) shows that the value of (q) was (23.689), Which is a statistically significant value at the level of0.01), Indicating that there are differences between the nine designs in terms of achievement of the functional side according to the opinions of the arbitrators, and to know the direction of significance was applied Schiffe test of multiple comparisons and the following table shows that:

**Table (11)**

**Schiffe test for multiple comparisons**

| Bezel achieve the functional aspect | The first design M = 41.462 | The second design M = 30.900 | The third design M = 21.700 | The fourth design M = 48.262 | The fifth design M = 16.187 | Design VI M = 12.725 | Seventh Design M = 36.775 | Design VIII M = 26.300 | Design IX M = 53.037 |
|-----------------------------------|-----------------------------|-------------------------------|-----------------------------|------------------------------|----------------------------|---------------------|--------------------------|------------------------|-----------------------|
| The first design                  | -                           |                               |                             |                              |                            |                     |                          |                        |                      |
| The second design                 | 10.562                      | -                             |                             |                              |                            |                     |                          |                        |                      |
| The third design                  | 19.762                      | 9.200                         | -                           |                              |                            |                     |                          |                        |                      |
| The fourth design                 | 6.800                       | 17.362                        | 26.562                      | -                            |                            |                     |                          |                        |                      |
| The fifth design                  | 25.275                      | 14.712                        | 5.512                       | 32.075                       | 3.462                      |                     |                          |                        |                      |
| Design VI                         | 28.737                      | 18.175                        | 8.975                       | 35.537                       | 20.587                     | 24.050              |                          |                        |                      |
| Seventh Design                    | 4.687                       | 5.875                         | 15.075                      | 11.487                       | 20.587                     | 24.050              |                          |                        |                      |
| Design VIII                       | 15.162                      | 4.600                         | 4.600                       | 21.962                       | 10.112                     | 13.575             | 10.475                   |                        |                      |
| Design IX                         | 11.575                      | 22.137                        | 31.337                      | 4.775                        | 36.850                     | 40.312             | 16.262                   | 26.737                 | -                    |
Table (11) shows statistically significant differences between the nine designs at a level of significance 0.01. The ninth design was the best designs in achieving the functional aspect according to the opinions of the arbitrators, followed by the fourth design, then the first design, then the seventh design, then the second design, then the eighth design, then the third design, then the fifth design, and finally the sixth design.

**There are statistically significant differences between the nine designs in terms of achievement of the creative side according to the opinions of the arbitrators.**

To investigate this hypothesis, the variance analysis of the mean scores of the nine designs was calculated on the extent to which the creative aspect was achieved in accordance with the opinion of the arbitrators.

### Table (12)
**Analysis of the variance of the average scores of the nine designs in the extent of achieving the creative side according to the opinion of the arbitrators**

| Bezel Achieve Creative side | Total squares | Average squares | Degrees of freedom | Value (P) | Significance |
|-----------------------------|--------------|----------------|--------------------|----------|--------------|
| Between groups              | 7871.637     | 983.955        | 8                  | 44.951   | 0.01 D.      |
| Within groups               | 1379.048     | 21.890         | 63                 |          |              |
| Total                       | 9250.685     | 71             |                    |          |              |

It is clear from table (12) that the value of (q) was (44.951), Which is a statistically significant value at the level of 0.01, Indicating that there are differences between the nine designs in the extent of the achievement of the creative side according to the opinions of the arbitrators, and to know the direction of significance was applied Schiffe test of multiple comparisons and the following table shows that:
Table (13)  
Schiff test for multiple comparisons

| Bezel achieve the creative side | The first design $M = 31.425$ | The second design $M = 18.075$ | The third design $M = 20.550$ | The fourth design $M = 34.125$ | The fifth design $M = 16.250$ | Design VI $M = 8.012$ | Seventh Design $M = 27.475$ | Design VIII $M = 11.925$ | Design IX $M = 23.225$ |
|---------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|----------------------|----------------------|----------------------|
| The first design                |                               |                               |                               |                               |                               |                       |                      |                      |                      |
| The second design               | 13.350                        |                               |                               |                               |                               |                       |                      |                      |                      |
| The third design                | 10.875                        | 2.475                         |                               |                               |                               |                       |                      |                      |                      |
| The fourth design               | 2.700                         | 16.050                        | 13.575                        |                               |                               |                       |                      |                      |                      |
| The fifth design                | 15.175                        | 1.825                         | 4.300                         | 17.875                        | -                             |                       |                      |                      |                      |
| Design VI                       | 23.412                        | 10.062                        | 12.537                        | 26.112                        | 8.237                         |                       |                      |                      |                      |
| Seventh Design                  | 3.950                         | 9.400                         | 6.925                         | 6.650                         | 11.225                        | 19.462                | -                    |                      |                      |
| Design VIII                     | 19.500                        | 6.150                         | 8.625                         | 22.200                        | 4.325                         | 3.912                 | 15.550               | -                    |                      |
| Design IX                       | 8.200                         | 5.150                         | 2.675                         | 10.900                        | 6.975                         | 15.212                | 4.250                | 11.300               | -                    |

Table (13) reflects significant statistical differences between the nine designs at the level of significance 0.01, the fourth design was the best designs in the achievement of the creative side according to the opinions of the arbitrators, followed by the first design, then the seventh design, then the ninth design, then the third design, then the second design, then the fifth design, then the eighth design, and finally the sixth design.

There are also differences at the level of significance 0.05 between the first design and the fourth design in favor of the fourth design, and there are differences at the level of significance 0.05 between the second design and the third design in favor of the third design, and there are differences at the level of significance 0.05 between the third design and the ninth design in favor of the ninth design. While there are no differences at the level of significance 0.05 between the second design and the fifth design.
There are statistically significant differences between the nine designs in the extent of achieving the aesthetic aspect according to the opinion of the arbitrators.

To investigate this hypothesis, the variance analysis of the mean scores of the nine designs was calculated in terms of the extent to which the aesthetic aspect was achieved in accordance with the opinion of the arbitrators.

**Table (14)**

| Bezel Achieve The aesthetic side | Total squares | Average squares | Degrees of freedom | Value (P) | Significance |
|---------------------------------|---------------|-----------------|--------------------|-----------|--------------|
| Between groups                  | 17793.204     | 2224.151        | 8                  | 53.963    | 0.01 D.      |
| Within groups                   | 2596.620      | 41.216          | 63                 |           |              |
| Total                           | 20389.824     |                 | 71                 |           |              |

Table (14) shows that the value of (q) was (53.963), which is a statistically significant value at the level of 0.01, indicating that there are differences between the nine designs in the extent of achieving the aesthetic side according to the opinions of the arbitrators, and to know the direction of significance has been applied Schiffe test of multiple comparisons and the following table shows that:
Table (15)
Schiffe test for multiple comparisons

| Bezel achieve the aesthetic aspect | The first design \( M = 36.225 \) | The second design \( M = 28.600 \) | The third design \( M = 53.625 \) | The fourth design \( M = 49.950 \) | The fifth design \( M = 20.850 \) | Design VI \( M = 13.725 \) | Seventh Design \( M = 43.075 \) | Design VIII \( M = 17.900 \) | Design IX \( M = 58.800 \) |
|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|
| The first design                  | -                                |                                  |                                  |                                  |                                  |                 |                 |                 |                 |
| The second design                 | 7.625                            | -                                |                                  |                                  |                                  |                 |                 |                 |                 |
| The third design                  | 17.400                           | 25.025                           | -                                |                                  |                                  |                 |                 |                 |                 |
| The fourth design                 | 13.725                           | 21.350                           | 3.675                            | -                                |                                  |                 |                 |                 |                 |
| The fifth design                  | 15.375                           | 7.750                            | 32.775                           | 29.100                           | -                                |                 |                 |                 |                 |
| Design VI                         | 22.500                           | 14.875                           | 39.900                           | 36.225                           | 7.125                            | -                |                 |                 |                 |
| Seventh Design                    | 6.850                            | 14.475                           | 10.550                           | 6.875                            | 22.225                           | 29.350           | -                |                 |                 |
| Design VIII                       | 18.325                           | 10.700                           | 35.725                           | 32.050                           | 2.950                            | 4.175            | 25.175           | -                |                 |
| Design IX                         | 22.575                           | 30.200                           | 5.175                            | 8.850                            | 37.950                           | 45.075           | 15.725           | 40.900           | -                |

Table shows statistically significant differences between the nine designs at the level of significance 0.01, the ninth design was the best design in achieving the aesthetic side according to the opinions of the arbitrators, followed by the third design, then the fourth design, then the seventh design, then the first design, then the second design, then the fifth design, then the eighth design, and finally the sixth design.

There are also differences at the level of significance 0.05 between the fifth design and the eighth design in favor of the fifth design.
Conclusion: According to the arbitrators’ opinions, the study concluded that:

1. The value of q was 40.516 Which is a statistically significant value at 0.01, which shows differences between the nine designs in achieving design elements.

2. The value of q was 65.872 Which is a statistically significant value at 0.01, which shows differences between the nine designs in the extent to which the design basis and principles are achieved.

3. The value of q was 23.689, a statistically significant value at 0.01, which shows differences between the nine designs in the extent to which the functional aspect is achieved.

4. The value of q was 44.951, a statistically significant value at 0.01, which shows differences between the nine designs in the extent to which the creative side is achieved.

5. The value of q was 53.963, a statistically significant value at 0.01), which shows differences between the nine designs in the extent to which the aesthetic aspect is achieved.

Recommendations:

1. Conduct more studies of historical fashion and make use of the field of Draping on mannequins.

2. Integrating the composition into the mannequins and historical costumes.

3. Interest in the field of Draping on the mannequins in small age groups.
References:

Boucher, F., & Deslandres, Y. (1987). *20,000 years of fashion: the history of costume and personal adornment*. HN Abrams New York.

Breward, C. (1995). *The culture of fashion* (Vol. 1): Manchester University Press.

Chrisp, P. (2005). *A history of fashion and costume: the victorian age*: Facts On File.

Cunnington, C. W. (2013). *English Women’s Clothing in the Nineteenth Century: A Comprehensive Guide with 1,117 Illustrations*. Courier Corporation.

Gernsheim, A. (1963). *Victorian & Edwardian fashion: a photographic survey*: Courier Corporation.

Mumford, M. D. (2003). Where have we been, where are we going? Taking stock in creativity research. *Creativity research journal, 15*(2-3), 107-120.

Pomeroy, H. C. j. (1992). *Fashion Design and Product Development* London: Black Well Scientific.

Zimmerman, C. S. (1985). *The Bride’s Book: Pictorial History of American Bridal Dress*: Arbor House.

Alhaddad, S. M. (2009). The use of computer software in creating contemporary fashion inspired by the Victorian era 1890-1870. Paper presented at the Fourth Arab Scientific Conference: Academic Accreditation for Institution and Programs in Egypt and the Arab world. Reality and Aspiration.

Habib, M. (2003). *Contemporary Directions in Cognitive Education* Cairo, Dar Al-Fikr Alarabi

Shokri, M. N. (1996). *Men Heritage Clothing in Syria and Menniquin Design Inspiration* Vol. 008.

Aabdeen, A. (1995). *Creativity Theories in Fashion Design* Cairo:Dar Al-Fikr Alarabi.

Qasim, A. A. M. (2002). *Conceptual Differences in the Elements of Furniture and Internal Design Used in Egypt*. Paper presented at the Eight Conference of Home Economy in Cairo.

1. [www.metmuseum.org](http://www.metmuseum.org).