

Employing some hand embroidery techniques to produce hand bags of a national character

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Introduction:

Hand embroidery is the oldest style of textile decoration throughout historical times, as it helps to create different touches on the surface of the fabric through the use of threads, decorative stitches and different materials (Seham Zaki *etal*, 2008). The origins of the art of hand embroidery are from the ancient Egyptians. Hand embroidery depends on decorating the fabric using different needles, threads and metal bands (Wang Tien You, 2010). It is considered one of the high-end decorative arts that combines manual skills and aesthetic aspects (Rasha El-Gohary, 2016), it is one of the art of needle works that are used to decorate materials such as fabrics and leather to enrich the aesthetic value of the product, and the word embroidered as a verb means creating decoration on a specific fabric (Susan Mabrouk, 2010). (Musante *etal*, 1987) managed to register a patent on the method of making a regular mesh patterned plastic fabric and use it in a number of stitches similar to the regular fabric. Some of the stitches can be executed on the same colors and designs, and this cloth is called a plastic canvas. Throughout the ages with which the background of fabrics and upholstery can be embroidered in whole or part of different stitches (Thuraya Nasr et al., 2011), and (Manal Muhammad, 2003), (Elhendawy and others, 2014) emphasized the importance of small projects in eliminating the problem of unemployment and opening new labor markets and stressed the importance of preserving the heritage of handicrafts and developing them to produce modern and innovative handicrafts that contribute to the field of small projects.

Research problem:

Given the importance of hand embroidery as one of the ancient arts in general and embroidering in particular, the two researchers implement handbags suitable for university girls, having a national nature that carry the colors of Egypt's flag using plastic canvas instead of orphan cloth in order to preserve the Egyptian heritage and handicrafts and spread the national spirit of young people, emphasize the Egyptian identity, and attracting tourism, and these bags can be used as a core for a small project. The problem of the study is determined in answering the following main question

What is the importance of hand embroidery in producing handbags of a national character?

It is followed by answering the following sub-questions:

Is it possible to carry handbags bearing the logo of Egypt's flag?

Can suture stitches be used to make handbags?

Does the difference in the type of thread affect the shape of the executed bags?

Does the difference in the density of the thread affect the shape of the executed bags? **Aims of the research:**

- Employing some hand embroidery techniques to produce handbags of a National character.

- Preserving heritage and attracting tourism in a style of a national character.

Make use of the research results as the intention for a small project. -

Importance of the research:

The research aims to employ some techniques of hand embroidery to produce handbags of a national character, and the use of plastic canvas as an alternative to orphan fabrics in implementation, preserving heritage and attracting tourism in a style of national character and benefit from the results of research in the field of small projects.

Research hypotheses:

1- There are statistically significant differences among the averages of the evaluation of the samples carried out under study in achieving the foundations and design elements.

2- There are statistically significant differences among the averages of the evaluation of the samples executed under study in achieving the functional aspects.

3- There are statistically significant differences among the averages of the evaluation of the samples executed under study in achieving the innovative and aesthetic aspects.

4- There are statistically significant differences among the evaluation axes of the samples implemented under study.

5- There are statistically significant differences among the materials used in making the samples.

6- There are statistically significant differences among the threads used in making the samples.

7- There are statistically significant differences among the threads density used in making of the samples.

8- There are statistically significant differences among the evaluation axes of executed bags.

9- There are statistically significant differences in evaluating the implemented bags in achieving all aspects of evaluation according to the opinions of specialists

10- There are statistically significant differences between evaluating the implemented bags in achieving all aspects of evaluation according to the opinions of consumers.

Research limits:

Three materials (plastic canvas- etamine - burlap), three types of thread (cotton Braille – acrylic- silk) three density (1, 2 ,3) thread with one design on canvas stitch

Research methodology:

The research based on descriptive and analytical method.

Practical experiments:

Twenty seven samples were done which include three materials (plastic canvas, etamine, burlap) , three kinds of thread (cotton barlie , acrylic , silk) and three thread density (1,2,3) with fixing design used in implementation .Fig(1) shows the design were done.



Fig (1) the design were used

A questionnaire was done to identify the opinions of specialists in samples, and the quality factor was done to identify the best samples to make hand bags , then two questionnaire were prepared to specialists of clothes and textile and customers of the faculty girls to determine the best variables .

Results:

Average mean and standard deviation were calculated and the quality factor for evaluating handbags implemented in achieving all aspects of evaluation according to the opinions of specialists.

The results showed that the best bag was no. (1) and the least bag was no. (2) according to the opinions of specialists.

Table (1): Average mean and standard deviation were calculated and the quality factor for evaluating handbags implemented in achieving all aspects of evaluation according to the opinions of specialists

arrangement	Quality factor	Standard deviation	average	Bag
1	98.18	0.70	32.40	1
8	92.73	2.32	30.60	2
6	93.94	1.89	31.00	3
7	93.03	1.57	30.70	4
3	94.85	1.49	31.30	5
5	94.24	1.91	31.10	6
7	93.03	1.95	30.70	7
2	95.15	1.17	31.40	8
6	93.94	1.63	31.00	9
4	94.55	1.55	31.20	10
3	94.85	1.49	31.30	11
5	94.24	1.73	31.10	12

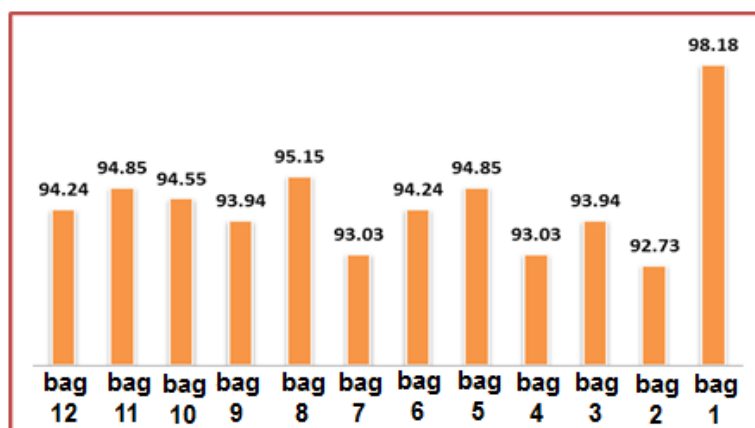


Fig (2): Quality factor to evaluate handbags implemented in achieving all aspects of evaluation according to the opinions of specialists

Average mean and standard deviation were calculated and the quality factor for evaluating handbags implemented in achieving all aspects of evaluation according to the opinions of costumers. The results showed that the best bag was no. (1) and the least bag was no. (12) according to the opinions of costumers.

Table (2): Average mean and standard deviation were calculated and the quality factor for evaluating handbags implemented in achieving all aspects of evaluation according to the opinions of costumers.

Arrangement	Quality factor	Standard deviation	average	Bag
1	91.83	3.21	55.10	1
4	90.50	2.63	54.30	2
1	91.83	2.64	55.10	3
5	90.33	2.10	54.20	4
2	91.50	3.31	54.90	5
10	87.67	4.03	52.60	6
7	89.17	3.41	53.50	7
9	88.00	4.02	52.80	8
6	89.50	1.89	53.70	9
3	91.33	3.05	54.80	10
8	88.50	2.73	53.10	11
11	87.33	3.27	52.40	12

Recommendations:

- 1- Benefit of different hand embroidery technique for making accessories of a national character.
- 2- Encouraging youth to set up projects that depend on hand embroidery.
- 3- Diversity in the use of materials and techniques compatible with fashion.
- 4- Adhere to all that reflects the Egyptian identity.

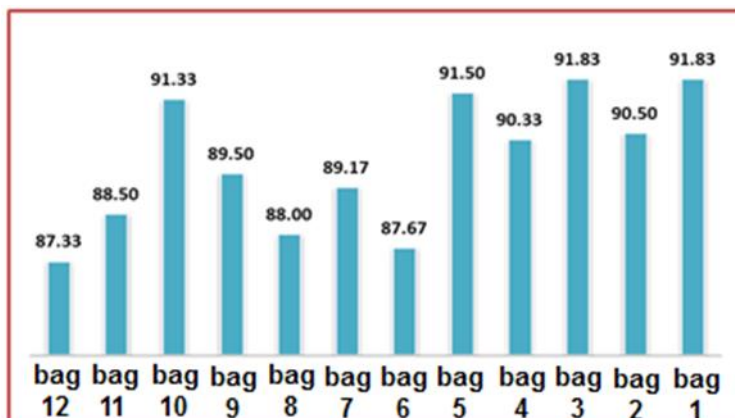


Fig (3): Quality factor to evaluate handbags implemented in achieving all aspects of evaluation according to the opinions of costumers

Table (3):Bags were done

1	 cost:62 Suggested price:92	4	 cost: 60 Suggested price: 90	7	 cost:80 Suggested price: 108	10	 cost: 56 Suggested price: 86
2	 cost: 51 Suggested price:76	5	 cost: 45 Suggested price: 76	8	 cost: 80 Suggested price: 110	11	 cost:70 Suggested price: 100
3	 cost:60 Suggested price: 85	6	 cost: 80 Suggested price: 110	9	 cost: 69 Suggested price: 100	12	 cost: 70 Suggested price: 100

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