ABSTRACT

A shoe and heel system for women’s shoes that increases user comfort by combining the characteristics of the heel structure of currently manufactured shoes without heels, with platform and wedge heels so as to allow to changeover. This allows the shoe to be worn without heels or alternatively with a platform or wedge heel.
FIGURE 13
SHOE SET WITH CHANGEABLE MULTI HEEL SYSTEM

CROSS-REFERENCE TO RELATED U.S. APPLICATIONS

[0001] Not applicable.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

[0002] Not applicable.

NAMES OF PARTIES TO A JOINT RESEARCH AGREEMENT

[0003] Not applicable.

REFERENCE TO AN APPENDIX SUBMITTED ON COMPACT DISC

[0004] Not applicable.

BACKGROUND OF THE INVENTION

[0005] 1. Field of the Invention

[0006] The invention relates to a shoe having a heel apparatus with mounting offsets to fit into mounting holes. The invention is designed in various shapes and models for multiple styles which can be added on Babette type heelless flat shoes that are comfortable and commonly sold in the market yet appropriate for only one style and having a non-changeover heelless flat structure through said mounting holes drilled on two support points one of which is for front side and the other one is for back.


[0008] Some of the problems that the most women, particularly the ladies working in offices and suchlike indoor spaces, deal with in respect of shoes are: to try to find a shoe suitable for their styles; not being able to have opportunity to make any changes on the heel model of the desired shoe as to be comfortable and while desiring to be both comfortable and stylish within the same day; having to carry extra shoes and change shoes in order to achieve this goal and having to purchase lots of shoes for all of these. The utility model that is the subject of the invention aims to eliminate these said problems and to serve this purpose by allowing the women to possess both comfort and style in a single set product whenever they want by using only a sole and through a heel apparatus inserted with appropriate mounting methods for this sole.

[0009] The same invention enables basic characteristics of heel structures of flat soled shoes, wedge and platform heel shoes suitable only for one style and directing female users to buying separate shoes according to their comfortable or stylish preferences to be united together with appropriate methods and to have opportunity to change these heel structure characteristics. In this regard, the invention saves the female user from financial burdens emerging from the obligation to buy more than one shoe.

BRIEF SUMMARY OF THE INVENTION

[0010] The present invention relates to a shoe set with changeable multi heel system and characterized in that: it includes a front part screw hole (1a), a back part screw hole (1b) and a screw sole (1) made of ground, metal plate (1c), a front part hard insert hole (2a), a back part hard insert hole (2b) and a hard snap-on sole (2) made of a ground metal plate (2c), a front part button hole (3a), a back part button hole (3b) and a button sole (3) made of ground metal plate (3c), covers for mounting holes (4), a threaded platform apparatus (5) having threaded mounting offset (5a), a threaded back heel apparatus (6) having a threaded mounting offset (6a), a hard insert platform apparatus (7) having a hard insert offset (7a), a hard insert back heel apparatus (8) having a hard insert offset (8a), a hard insert wedge heel (9) having a hard insert offsets (9a), a wedge heel apparatus with buttons (10) having a fastening offset (10a) and an external button (10b) and elastic upper materials (11).

Advantages Gained by the Invention

[0011] The invention, with advantages of having multiple heel apparatuses and different models and types within these heel apparatus, allows the user to use both heelless, a comfortable heelless shoe and a platform heel or wedge heel shoe by inserting the suitable heel apparatus into the mounting holes located on front and back part of the sole after popping out the mounting hole covers (4) under the soles (1-2-3) according to the user’s preference at will.

[0012] The user having a heelless flat shoe, a court shoe or wedge heel shoe with an insertion-extraction process only for a few seconds will have an increasing comfort as she won’t have to carry extra shoes with her and will make savings economically by possessing all these products within a single set.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0013] FIG. 1 is an underside view of the mounting hole covers of the present invention.

[0014] FIG. 2 is a side view of a threaded sole under which a threaded platform and a threaded back heel apparatus are mounted.

[0015] FIG. 3 is a side sectional view of a threaded sole under which a threaded platform and threaded back heel apparatus are mounted.

[0016] FIG. 4 is a mounting phase view of a threaded sole under which a threaded platform and a threaded back heel apparatus are mounted.

[0017] FIG. 5 is a side view of a hard insert sole under which a hard insert platform and a hard insert back heel apparatus are mounted.

[0018] FIG. 6 is a side sectional view of a hard insert sole under which a hard insert platform and a hard insert back heel apparatus are mounted.

[0019] FIG. 7 is a mounting phase view of a hard insert sole under which a hard insert platform and a hard insert back heel apparatus are mounted.

[0020] FIG. 8 is a side view of a hard insert sole under which a hard insert wedge heel apparatus is mounted.

[0021] FIG. 9 is a side sectional view of a hard insert sole under which a hard insert wedge heel apparatus is mounted.

[0022] FIG. 10 is a mounting phase view of a hard insert sole under which a hard insert wedge heel apparatus is mounted.

[0023] FIG. 11 is a side view of a button sole under which a wedge heel apparatus with buttons is mounted.

[0024] FIG. 12 is a front sectional view of a button sole under which a wedge heel apparatus with buttons is mounted.
FIG. 13 is a mounting phase view of a button sole under which a wedge heel apparatus with buttons is mounted.

FIG. 14 is a perspective view of a button sole under which a wedge heel apparatus with buttons is mounted.

FIG. 15 is an underside view of a button sole.

LISTING OF THE NUMBERS ON THE FIGURES

1: Threaded sole
1a: Front part screw hole
1b: Back part screw hole
1c: Ground metal, plate
2: Hard snap-on sole (2)
2a: Front part hard insert hole
2b: Back part hard insert hole
3: Button sole (3)
3a: Front part button hole
3b: Back part button hole
4: Mounting hole covers
4a: Threaded platform apparatus
5: Threaded mounting offset
5a: Threaded back heel apparatus
5b: Elastic upper material
6: Hard insert platform apparatus
6a: Hard insert mounting offset
6b: Hard insert back heel apparatus
6c: Hard insert offsets
7a: Hard insert button apparatus
7b: Fastening offset
8a: Threaded button apparatus
8b: Platform apparatus
9a: External button
9b: Elastic upper material
10a: Fastening offset
10b: External button
10: Mounting apparatus with buttons
11: Wedge heel apparatus with buttons
12: Fastening offset
13: Elastic upper material

DETAILED DESCRIPTION OF THE INVENTION

The various components, are described herein below.

The threaded sole (1): Element closed with mounting hole covers (4) when the product is desired to be used without heels and including a front part screw hole (1a), where a threaded platform apparatus (5) is inserted and a back part screw hole (1b) where a threaded back heel apparatus (6) is inserted and with a ground metal plate (1c) when the product is desired to be used with heels.

The hard snap-on sole (2): Element closed with mounting hole covers (4) when the product is desired to be used without heels and including a front part hard insert hole (2a) where a hard insert platform apparatus (7) is inserted and a back part hard insert hole (2b) where a hard insert back heel apparatus (8) is inserted and with a ground metal plate (2c) when the product is desired to be used with heels.

The button sole (3): Element closed with mounting hole covers (4) when the product is desired to be used without heels and including a front part button hole (3a) and a back part button hole (3b) where a wedge heel apparatus with buttons (10) is mounted and with a ground metal plate (3c) when the product is desired to be used with heels.

The mounting hole covers (4): Apparatus to close mounting holes when the soles (1-2-3) are desired to be used without heels.

Threaded platform apparatus (5): Element including a threaded mounting offset (5a) that can be inserted into a front part screw hole (1a) under a threaded sole (1) by popping out the mounting hole covers (4) when the product is desired to be used as platform heel shoe.

Threaded back heel apparatus (6): Element including a threaded mounting offset (6a) that can be inserted into a back part screw hole (1b) under a threaded sole (1) by popping out the mounting hole covers (4) when the product is desired to be used as platform heel shoe.

Hard insert platform apparatus (7): Element including a hard insert offset (7a) that can be inserted into a front part hard insert hole (2a) under a hard snap-on sole (2) by popping out the mounting hole covers (4) when the product is desired to be used as platform heel shoe.

Hard insert back heel apparatus (8): Element including a hard insert offset (8a) that can be inserted into a back part hard insert hole (2b) under a hard snap-on sole (2) by popping out the mounting hole covers (4) when the product is desired to be used as platform heel shoe.

Hard insert back wedge heel apparatus (9): Element including hard insert offsets (9a) inserted into a front part hard insert hole (2a) and a back part hard insert hole (2b) on a hard snap-on sole (2) when the product is desired to be used as wedge heel shoe.

Wedge heel apparatus with buttons (10): Element including a fastening offset (10a) and external buttons (10b) inserted into a front part button hole (3a) and a back part button hole (3b) on a button sole (3) when the product is desired to be used as wedge heel shoe.

Elastic upper material (11): Element located on the soles (1-2-3) that can be adapted to the structure through its elastic characteristic when the heel structure of the shoe is changed as well as providing foothold.

The present invention has a characteristic of changing heels. In order to fulfill this changing function, first of all, mounting hole covers (4) should be removed and the platform apparatus (5-7) and back heel apparatus (6-8) suitable for the sole model should be inserted into the mounting holes under the sole. When the product is desired to be converted back to the heelless state, this process is followed reversely. First, the platform and back heel apparatus should be taken out and the mounting hole covers (4) should be placed onto the mounting holes to conclude the process. If it is desired to use the wedge heel model, mounting hole covers should be removed again and either a hard insert wedge heel apparatus (9) or a wedge heel apparatus with buttons (10) should be inserted to the appropriate sole model. For the changeover from wedge heel shoe to the heelless shoe again, the product is returned to its previous condition by taking the wedge heel out and placing the mounting hole covers onto the mounting holes.

1. A shoe set with a changeable multi heel system and characterized in that it includes a front part screw hole, a back part screw hole and a screw sole made of ground metal plate, a front part hard insert hole, a back part hard insert hole and a hard snap-on sole made of ground metal plate, a front part button hole, a back part button hole and a button sole made of ground metal plate, covers for mounting holes, a threaded platform apparatus having threaded mounting offset, a threaded back heel apparatus having a threaded mounting offset, a hard insert platform apparatus having a hard insert offset, a hard insert back heel apparatus having a hard insert offset, a hard insert wedge heel having hard insert offsets, a wedge apparatus with buttons having a fastening offset and an external button and elastic upper materials.
2. A shoe set with changeable multi heel system according to claim 1, characterized in that; when the product is desired to be used without heels, it is closed with mounting hole covers and when it is desired to be used with a platform heel, it possesses a threaded sole made of ground metal plate and a front part screw hole where said threaded mounting offset of said threaded platform apparatus is mounted and said back part screw hole where said threaded mounting offset of said threaded back heel is mounted.

3. A shoe set with changeable multi heel system according to claim 1, characterized in that; when the product is desired to be used without heels, it is closed with said covers for mounting holes and it is desired to be used with a platform heel, it possesses a hard snap-on sole made of ground metal plate and said front part hard insert hole where said hard insert offset of said hard insert platform apparatus is mounted and said back part insert hole where said hard insert offset of said hard insert back heel apparatus is mounted.

4. A shoe set with changeable multi heel system according to claim 1, characterized in that; when the product is desired to be used without heels, it is closed with said covers for mounting holes and when it is desired to be used with a wedge heel, it possesses said button sole made of ground metal plate and said front part button hole and said back part button hole where said fastening offsets of said wedge heel apparatus with buttons are inserted.

5. A shoe set with changeable multi heel system according to claim 1, characterized in that; it possesses mounting hole covers to close the mounting holes in order to convert the product to a heelless state when the soles are desired to be used without heels.

6. A shoe set with changeable multi heel system that can be used without heels, with wedge heel and platform heel according to claim 1, characterized in that; it possesses said threaded platform apparatus having said threaded mounting offset that can be inserted into said front part screw hole under the sole after popping out the mounting hole covers when the threaded sole is desired to be used as platform heel shoe.

7. A shoe set with changeable multi heel system that can be used without heels, with wedge heel and platform heel according to claim 1, characterized in that; it possesses said threaded back heel apparatus having said threaded mounting offset that can be inserted into said back part screw hole under the sole after popping out the mounting hole covers when the threaded sole is desired to be used as platform heel shoe.

8. A shoe set with changeable multi heel system that can be used without heels, with wedge heel and platform heel according to claim 1, characterized in that; it possesses said hard insert platform apparatus having said hard insert mounting offset that can be inserted into said back part hard insert hole under the sole after popping out the mounting hole covers when the hard snap-on sole is desired to be used as platform heel shoe.

9. A shoe set with changeable multi heel system that can be used without heels, with wedge heel and platform heel according to claim 1, characterized in that; it possesses said hard insert back heel apparatus having said hard insert mounting offset that can be inserted into said back part hard insert hole under the sole after popping out the mounting hole covers when the hard snap-on sole is desired to be used as platform heel shoe.

10. A shoe set with changeable multi heel system that can be used without heels, with wedge heel and platform heel according to claim 1, characterized in that; it possesses said hard insert wedge heel apparatus having said hard insert offsets and inserted into the holes after popping out the mounting hole covers if the hard snap-on sole is used without heels or popping out the hard insert apparatus and hard insert back heel apparatus from the mounting holes under the sole if it is used as platform heel shoe.

11. A shoe set with changeable multi heel system that can be used without heels, with wedge heel or platform heel according to claim 1, characterized in that; it possesses said wedge heel with buttons that can be mounted with said fastening offset and said external button after popping out the mounting hole covers under the button sole when the product is desired to be used with wedge heel.

12. A shoe set with changeable multi heel system that can be used without heels, with wedge heel or platform heel according to claim 1, characterized in that; it possesses said elastic upper material located on top of the soles both providing foothold and adaptable for the new heel type when the heel system is changed with the help of its elastic structure.

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