



US 20170290400A1

(19) **United States**

(12) **Patent Application Publication**
Thomas

(10) **Pub. No.: US 2017/0290400 A1**

(43) **Pub. Date: Oct. 12, 2017**

(54) **COMPARTMENTALIZE TRAVEL BAG**

13/1092 (2013.01); *A45C 15/04* (2013.01);
A45C 2013/1015 (2013.01); *A45C 2013/026*
(2013.01)

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(21) Appl. No.: **15/092,974**

(22) Filed: **Apr. 7, 2016**

Publication Classification

(51) **Int. Cl.**

A45C 13/02 (2006.01)

A45C 13/10 (2006.01)

A45C 15/04 (2006.01)

A45C 3/00 (2006.01)

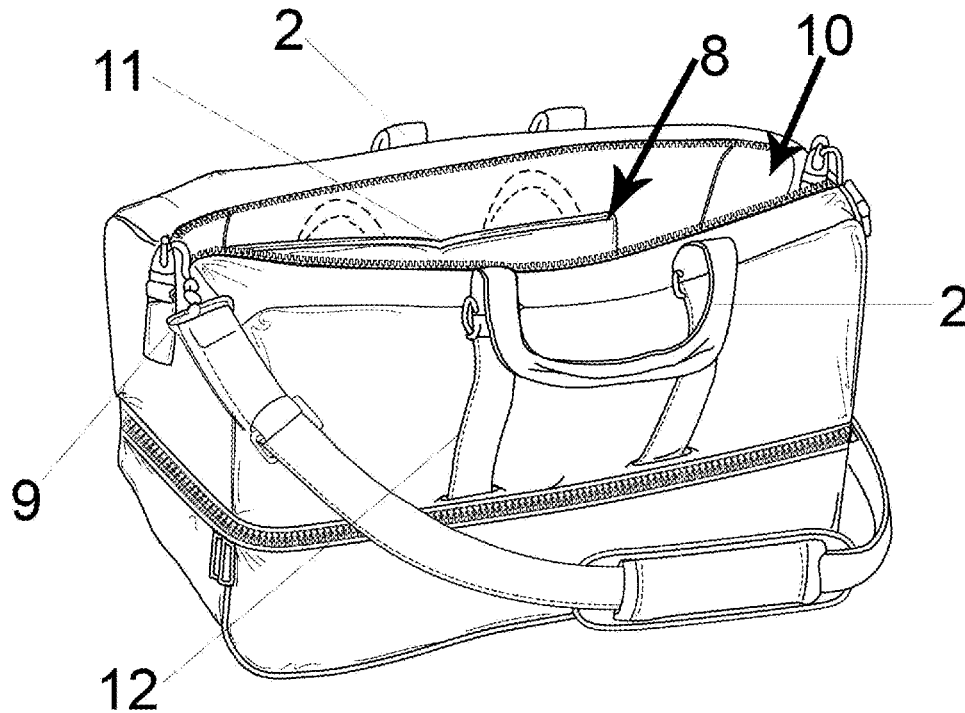
(52) **U.S. Cl.**

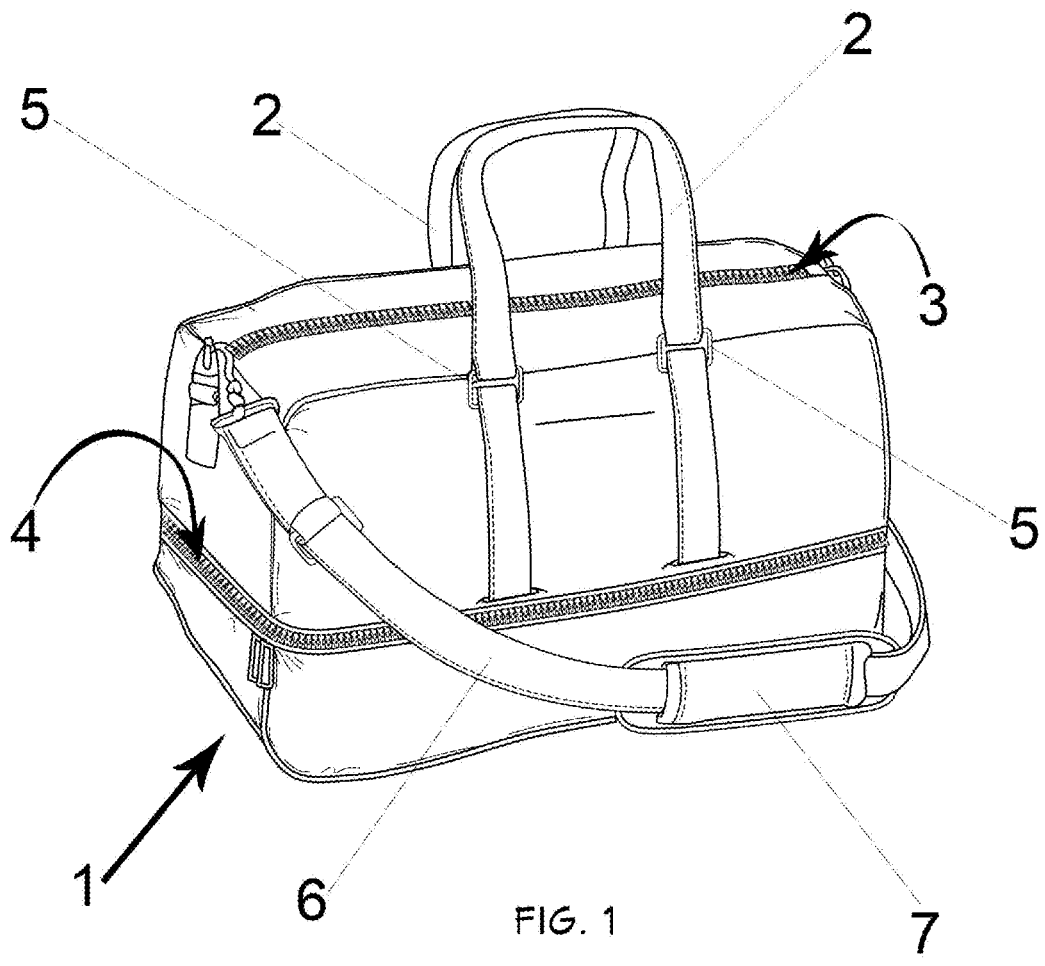
CPC *A45C 13/02* (2013.01); *A45C 3/001*
(2013.01); *A45C 13/103* (2013.01); *A45C*

(57)

ABSTRACT

An article of luggage that has a built in storage compartment with customizable departments, that includes a top portion having at least two side walls, a closeable top, a closed bottom having an exterior bottom surface and an interior top compartment. This article of luggage also includes an open bottom portion having at least two side walls, a closed top having an exterior top surface, a closed bottom an interior bottom compartment and at least one access opening into the interior bottom compartment, and a compartmentalized tray having a plurality of individual removable compartments. A removable tray positioned within the interior bottom portion having removable interconnected walls cooperating to define a plurality of individual storage compartments. A track system is included to attach the top portion to the bottom portion, where the track system has a first component and a second component that slidingly engage one another.





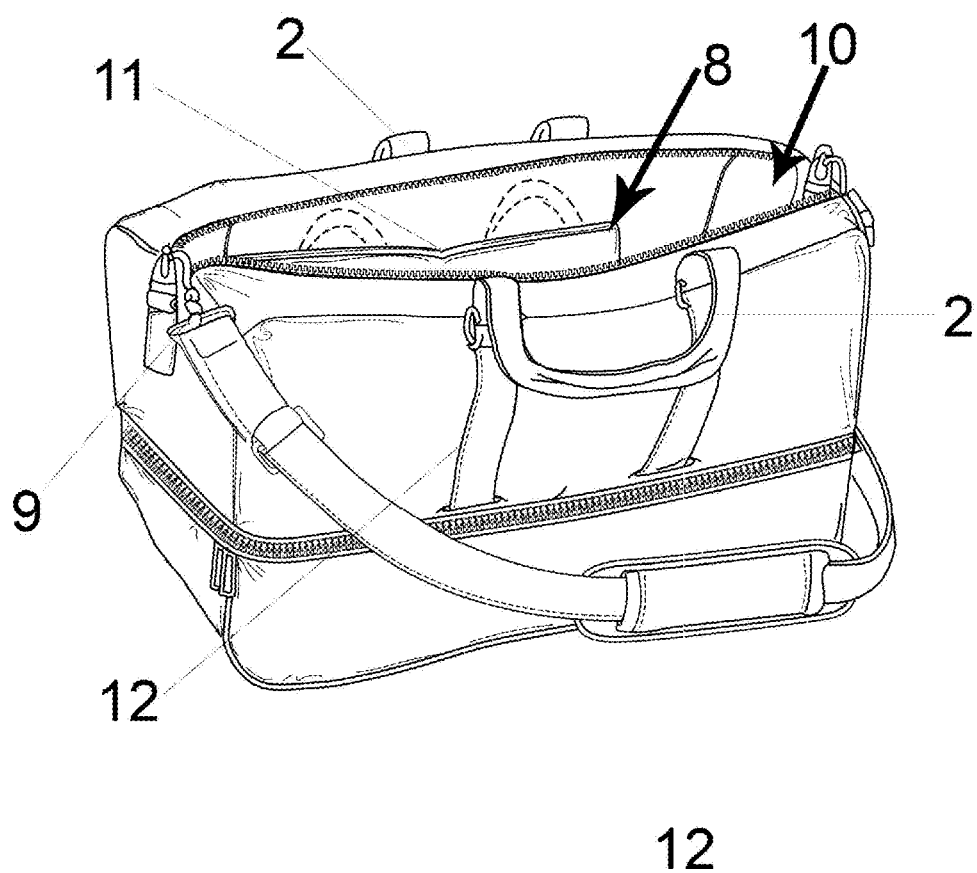


FIG. 2

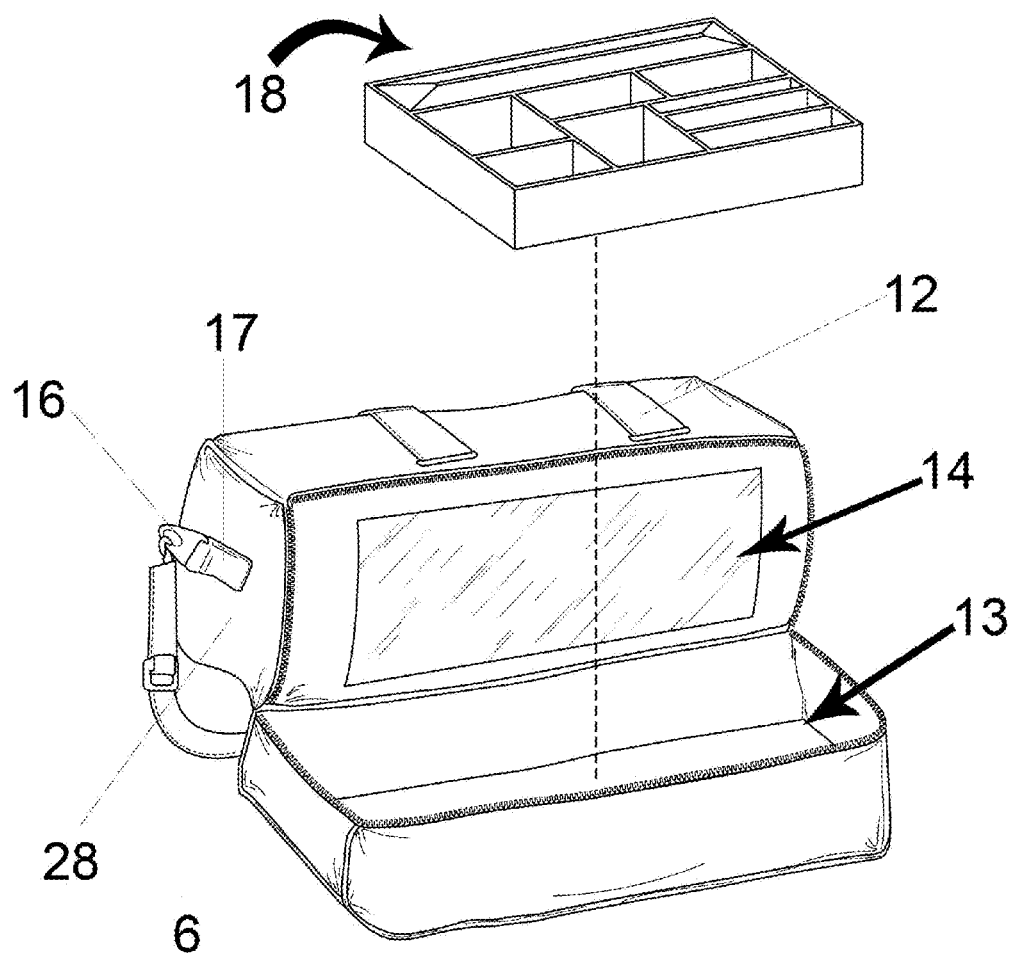


FIG. 3

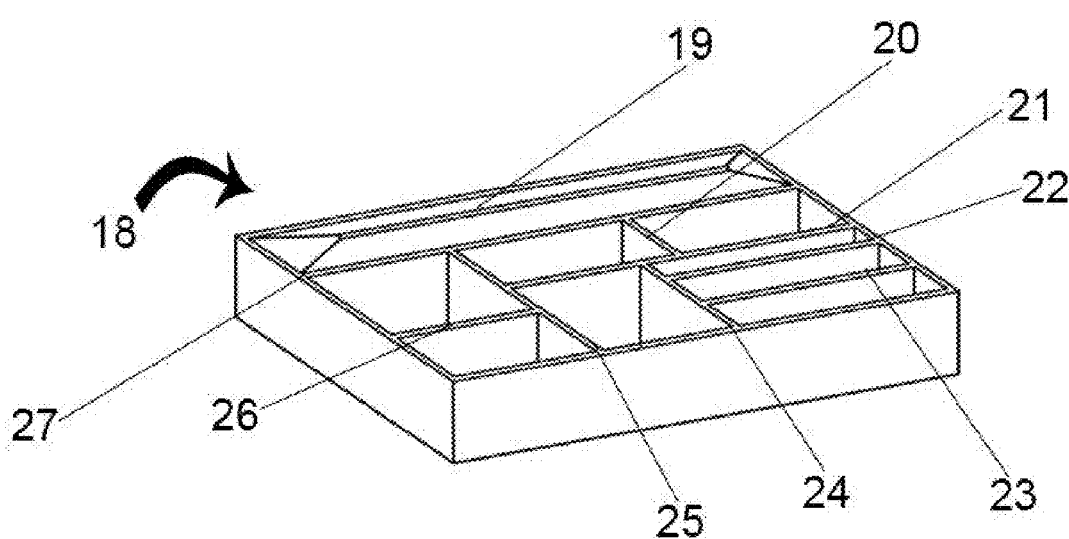


FIG .4

COMPARTMENTALIZE TRAVEL BAG

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0001] Embodiments of the present invention relate generally to compartmentalize luggage or travel bag. More particularly, embodiments of the present invention relate to multi-portion luggage or travel bags that have separate compartments.

2. Description of the Related Art

[0002] Many types of travel and luggage bags are known in the art. Traveling and luggage bags traditionally used to carry a wide range of items such as bath soaps, shoes, dirty and wet clothing, perfume, hair accessories both wet and electrical, grooming products, deodorant and jewelry. One problem frequently associated with travel and sports bags is that items with different sizes and shapes in one compartment make it difficult to find a particular item. This is because items are usually stacked on top of open another and small items often gets rooted under large items and become immovable without taking everything out of the bag.

[0003] Further, because all items are stored in one large compartment this often causes items to become damaged. This is because items without any organization structured items often hit against one another causing heavier items to break, damage and harm smaller items and electronics.

[0004] Take, for example an overnight travel bag. Although most travel bags offer a plurality of pockets this fails to secure items because the pockets are usually too small, too narrow and too thin. Items such as lotion, liquid bath soap, sports bottles, curling irons and books have to be place in one compartment along with hair brushes, perfume, toothbrushes, MP3 Players, cell phones, eyewear and head-phones. With the impact of the heavier items often hitting the smaller ones it often results in broken electrical screens, leakage, electrical wire damage, broken lenses and item lost. Even though existing bags include side pockets on the interior or exterior walls, fabric walls are too thin to prevent hard impact among the items inside the one compartment and along the pockets.

[0005] Not only do current bags have a lack of protection from impact damage but they fail to prevent damage from broken items and spills from spreading to other items.

[0006] Because of this other items are often damaged by liquid and heavy impact because everything is confined to one compartment and/or have a thin fabric of protection.

[0007] Further, because there is typically no way to organize the items there are no compartments to store wet and dirty clothing or hot electrical items. With most travel bags all items are confined to one compartment causing wet items to spread moisture to other items, dirty clothing and shoes can cause havoc to other items and heated electrical items can cause burn damage to other items. Not having separate compartments can be extremely problematic for swimmers, runners and many people who live athletic lifestyles.

[0008] Travel and luggage bags for clothing and other items are well known, and such bags have come in various sizes and shapes. Travel and luggage bags have been commonly used as carry on bags for airline travel. In addition, another major use for travel and luggage bags is for carrying athletic clothing, equipment and grooming products. A pat-

ent search developed the following U.S. patents which are relevant to the present invention:

[0009] Edward Gerch et al, U.S. Pat. No. 4,830,154 issued Feb. 22, 1988

[0010] Johnnie G. Davis, U.S. Pat. No. 4,344,601 issued Jun. 15, 1982

[0011] Alison Antrobus, U.S. Pat. No. 0,173,034 A1 issued Aug. 11, 2005

[0012] Michael J. Pratt U.S. Pat. No. 4,817,802 issued Apr. 4, 1989

[0013] Mark I. Belenson U.S. Pat. No. 4,210,186 issued Jul. 1, 1980

[0014] Taguchi et al, U.S. Pat. No. Des. 358,482 issued May 23, 1995

[0015] Leonard W. Clement U.S. Pat. No. 5,413,199 issued May 9, 1995

[0016] Kdward L. Gerch U.S. Pat. No. 4,805,749 issued Feb. 21, 1989

[0017] Miller Outcalt U.S. Pat. Des. 268,879 issued May 10, 1983

[0018] The bag of the prior art generally has a separate storage compartment within the unit for grooming and personal items. These bags either open from the top thereof, or open into two equal halves about a vertical hinge axis, or have one of the larger broad sides thereof pivot open about a horizontal hinge axis positioned in the bottom floor of the bag.

[0019] Heretofore, there has been no disclosure of a travel and luggage bag capable of a separate heating containment unit. With most women accessories such as heating iron combs, curling irons, hair straighteners and hot curlers. Existing bags also do have any reflective surfaces such as glass or acrylic mirror sheet. Also, missing from travel and luggage bags is a storage unit with customizable compartment dividers that can be interlocked to fit items of different shapes and sizes. These bags are also missing storage compartments that can be removed from the unit and the ability to fully wash and clean the compartment from the unit. Not to be able to removed the storage compartment from the bag leads to deterioration and mold.

[0020] The above bags also have fix size compartment that are unable to adapt to items with unusual shapes.

SUMMARY OF THE INVENTION

[0021] For reason included above, it is therefore a principal object of embodiments of the present invention to provide a travel bag in which a user can organize a plurality of small, large, wet and heated items such that the user may easily and more efficiently locate desired items, also reduce damage and spills.

[0022] Yet another object of embodiments of the present invention is to provide a carrying bag that is separated into at least a top portion and a bottom portion.

[0023] A further object of embodiments of the present invention is to provide a travel and luggage bag that is separated into at least a top portion and a bottom portion where the top is used to carry large items such as clothing, shoes, weights, yoga mat, sport balls, makeup kits and drinking bottles. The bottom portion would be used to carry smaller items, liquids, wet clothing, bath products and a heat resistant storage compartment.

[0024] A further object of the embodiment of the present invention is to provide a heat resistant storage compartment made from therma-flec fabric with a top opening and at least

two sides that can hold a number of electrical products that are heated such as curling irons, straighteners and hot combs.

[0025] A still further object of embodiments of the present invention is to provide a traveling and luggage bag that has a removable storage unit with at least two sides and a bottom that can be wash with warm water a cleaning supplies. This storage unit can also been taken in the shower with bath supplies for the consumer to use at the gym or travel.

[0026] Another feature of the present invention is a reflective glass or mirror on the bottom of the upper portion of the bag. This will help the user to efficiently and quickly be able to use their grooming products and address physical appearance.

[0027] In one embodiment, the means for attaching the top and bottom portions together may be a track system where the first and second components are male and female tracks that have corresponding geometries, which slidably engage one another. In another embodiment, the first component may be a female track and the second component may comprise at least on post-type male element that slidably engages the female track. In a further embodiment, the first component may be a shaped opening and the second component may be a locking member having a complementary shape to that of the shaped opening such that it can be received and rotated within the shaped opening, thereby joining the top and bottom portions of the carrying bag together.

[0028] The various features of novelty which characterize the invention are pointed out in particularity in the claims annexed to and forming a part of this disclosure. For a better understanding of the invention, its operating advantages and specific objects attained by its uses, reference is made to the accompanying descriptive matter in which preferred embodiments of the invention are illustrated in the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0029] Preferred features of the present invention are disclosed in the accompanying drawings, wherein similar reference characters denote similar elements throughout the several views, and wherein:

[0030] FIG. 1 is a front perspective view of a travel bag with its top closed, according to one embodiment of the present invention.

[0031] FIG. 2 is the front perspective view of a travel bag with its top open, according to one embodiment of the present invention.

[0032] FIG. 3 is the front perspective view of a travel bag with its top closed and bottom half portion open, according to one embodiment of the present invention.

[0033] FIG. 4 is the front perspective view of storage tray, according to one embodiment of the present invention.

DESCRIPTION

[0034] The present invention will now be described more fully hereinafter with reference to the accompanying drawings, in which preferred embodiments of the invention are shown.

[0035] This invention may, however, be embodied in many different forms and should not be construed as limited to the illustrated embodiments set forth herein. Rather, these illustrated embodiments are provided so that this disclosure

will be thorough and complete and will fully convey the scope of the invention to those skilled in the art.

[0036] In the following description, like reference characters designate like or corresponding parts throughout the figures. Additionally, in the following description, it is understood that terms such as “top,” “bottom,” “upper,” “lower,” “first,” “second,” and the like, are words of convenience and are not to be construed as limiting terms.

[0037] Embodiments of the present invention are directed to multi-portion travel or luggage bags having a top portion and a bottom portion. As used herein, the terms “carrying bag,” “luggage,” “travel bag” and “bag,” and “user,” “care-giver” and “duffle bag,” are used interchangeably. The present traveling bag can be made of a durable material, such as canvas, nylon, vinyl, leather, or any other materials or fabrics known in the art that are suitable for making such a bag. It is also possible for the present carrying bag to be made from a combination of materials having different properties such as strength, softness, insulating characteristics, waterproof characteristics, etc. Preferably, the present invention can be used as a traveling bag to carry and organize items such as makeups, toothbrushes, bath soaps, perfume, lotion, wash towels, hairbrushes, deodorant, nail polish, face wash, luffa sponge, hair products, MP3 Player, headphone phones, wallet, sports bottles, food, snacks, cell phones, keys, electronic accessories and the like. Accordingly, the present invention can be used as traveling bag, however, it may be embodied as a handbag, gym bag, luggage, sports bag for use all types of sports such as, for example, basketball, softball, soccer or other carrying bag.

[0038] Referring first to FIG. 1, the overall present invention includes three basic components including a top portion constructed of a strong, durable, flexible, stain resistant and deformable material such as Canvas, Nylon or the equivalent, a lower leather or vinyl storage compartment with an intern plastic storage compartment with interlocking dividers.

[0039] Referring first to FIG 1, the overall present invention includes three basic components including a top portion constructed of a strong, durable, flexible, stain resistant and deformable material such as Canvas, Nylon or the equivalent, a lower leather or vinyl storage compartment with an intern plastic storage compartment with interlocking dividers.

[0040] As can be seen in the figures, and more specifically FIG. 1, the top portion 28 has at least two cotton or Nylon webbing handles 2 held by inch and a half square rings 5. The top portion of the present invention has least two side walls, two end portion with buckles 9, a closure device 3 or means for opening and closing the open top, such as, for examples, a zipper, is provided. The zipper 3, maybe a two way zipper with two sliders that meet in the middle. As will be readily apparent to those skilled in the art, other types of closure devices or means for opening and clothing 3 snap hook and loop fasteners, snaps, buttons, clasps, etc., may be used to close the open top 3.

[0041] In FIG. 2, the present invention with an open top has an interior compartment or bucket portion 8, that has two storage compartment for shoes which can be made out of canvas, nylon, netting, mesh, micro fiber, plastic, etc. The two storage compartment for shoes 8, are separated by 11, sewing stitch, buckle, buttons, snaps and loop fasteners.

[0042] As can be seen in the figures, and more specifically FIG. 2, the top portion has at least two sidewalls, two end

portion attached with a buckle **17** on both sidewalls walls of the top portion of the bag. A shoulder strap **6** is releasably attachable to the opposing end walls by matching hook and ring fasteners **09-09** (only one shown) to provide for ease of user carrying. Attached to the shoulder strap **6** there is a shoulder pad **7** with a gel center for comfort.

[0043] As depicted in FIGS. **3-4**, the compartmentalized structure **18** is stored within the bottom storage area **13** of this article of luggage. The interior of the storage tray generally rectangular in shape and has a bottom wall, four sidewalls and interlocking plastic subdividers.

[0044] Each subdivider **20-17** can be removed from the storage tray. The storage tray **18** can be removed from bag and the user is able to clean the entire storage tray with warm water. This prevents damage to other items in the bag and quickly clean spills.

[0045] Within the storage unit there is a heat resistant storage compartment **19**, that has at least two sidewalls, two end portions and a top closure that closes with a track system consisting of snaps, buttons, zippers, hook and loop fasteners, and magnets. The heat resistant storage compartment can be removed from the storage tray and used on its own.

[0046] Further, in additional embodiments, this article of luggage **1** of the present invention may come in various sizes such as medium, large and extra large and may be designed to have a wider bottom portion **13** (FIG. **3**) or a wider top portion **28** (FIG. **3**). Additional storage may also include various sizes of the storage tray **18**, to fit design modifications.

[0047] Although a preferred embodiment of the present invention and modifications thereof have been described in detail herein, it is to be understood that this invention is not limited to this precise embodiment and modifications, and that other modifications and variations may be effected by one skilled in the art without departing from the spirit and scope of the invention as defined by the appended claims.

What is claimed is:

1. An article of luggage that is comprising: a top portion having at least two side walls, a closable top, a closed bottom having exterior bottom surface and an interior top compartment; a bottom portion having at least two side walls, a closed top having an exterior top surface, a closed bottom, an interior bottom compartment and at least one access opening into the interior bottom compartment; a compartmentalized structure included in the bottom portion and having a plurality of individual compartments; and a track system to attach the top portion to the bottom portion, wherein the track system includes a first component and a second component, wherein the first and second components slidably engage one another.

2. An article of luggage as claimed in **1**, wherein the first component is a track and second component is a track. Wherein the first component is a female track and the second component comprise at least one post-type male element.

3. An article of luggage as claimed in **1**, wherein the first component is a female track and the second component comprises at least one post-type male element.

4. An article of luggage as claimed in **1**, wherein the first component is attached to the exterior bottom surface of the top portion's closed bottom and the second component is attached to the exterior top surface of the bottom portion's closed top.

5. An article of luggage as claimed in claim **1**, wherein the at least one access opening in the bottom portion includes a closure device.

6. An article of luggage as claimed in claim **5**, wherein the closure device is selected from the group consisting of zippers, snaps, buttons and hook and loop fasteners.

7. An article of luggage as claimed in claim **1**, wherein the compartmentalized structure is removably attached to the bottom portion of the article of luggage.

8. An article of luggage as claimed in claim **7**, wherein the compartmentalized structure is removably attached from the article of clothing with an attaching device selected from the group consisting of a track system, snaps, buttons, zippers, hook and loop fasteners, and magnets.

9. An article of luggage as claimed in claim **7**, wherein the compartmentalized structure has interlocking dividers that are removable.

10. An article of luggage as claimed in claim **7**, wherein the compartmentalized structure has a removable Thermo-Flec Heat Resistant compartment.

11. An article of luggage as claimed in claim **10**, wherein Thermo-Flec Heat Resistant compartment that has at least two side walls and a closable top consisting of a track system, snaps, buttons, zippers, hook and loop fasteners, and magnets.

12. An article of luggage as claimed in claim **1**, further comprising at least one pocket.

13. An article of luggage that is comprising: a top portion having at least two side walls, a closable top, a closed bottom having exterior bottom surface and an interior top compartment; a bottom portion having at least two side walls, a closed top having an exterior top surface, a closed bottom, an interior bottom compartment and at least one access opening into the interior bottom compartment; a compartmentalized structure included in the bottom portion and having a plurality of individual compartments; and a track system to attach the top portion to the bottom portion, wherein the track system includes a first component and a second component, wherein the first and second components slidably engage one another.

14. An article of luggage as claimed in claim **13**, wherein the male or female track is attached to the exterior bottom surface of the of the top portion's closed bottom and the corresponding male or female track is attached to the exterior top surface of the bottom portion closed top.

15. An article of luggage as claimed in claim **13**, wherein the male track slidably engages the female track.

16. An article of luggage as claimed in claim **13**, wherein the compartmentalized structure is removably attached to the article of luggage.

17. An article of luggage as claimed in claim **13**, wherein the compartmentalized structure is removably attached to the carrying bag with an attaching device selected from the group consisting of a track system, snaps, buttons, zippers, hook and loop fasteners, and magnets.

18. An article of luggage as claimed in claim **13**, further comprising at least one pocket.

19. An article of luggage that has a reflective surface such as mirror or glass attached to the bottom of the top portion of the travel bag.

20. An article of luggage: a top portion having at least two side walls, two end portions, a closable top, a closed bottom having an exterior bottom surface and an interior top compartment having a plurality of pockets, a bottom portion

having at least two side walls, a closed top having an exterior top surface, a closed bottom; an interior bottom compartment and at least one access opening having a zipper; a compartmentalized structure having a plurality of individual compartments, the compartmentalized structure being removably attached to the interior bottom portion, a compartmentalized structure that has interlocking removable dividers and a Therma-Flec Heat Resistant compartment. An article of luggage wherein the top and bottom portion is connected by a track system which includes a male component attached to either the exterior bottom surface of the top portion's closed bottom or the exterior top surface of the bottom portion and a female component attached to either the exterior bottom portion bottom surface of the of the top portion's closed bottom or the exterior top surface of the bottom portion's closed top. An article of luggage with a least one carrying strap and at least one pocket.

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