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Evans

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(54) **MULTIPURPOSE INSULATED COOLER/HEATER BAG AND ASSOCIATED METHOD**

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Related U.S. Application Data

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(60) Provisional application No. 61/373,363, filed on Aug. 13, 2010.

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H05B 3/00 (2006.01)
B65D 81/18 (2006.01)
B65D 81/38 (2006.01)

(52) **U.S. Cl.**
CPC ***B65D 81/18*** (2013.01); ***B65D 81/38*** (2013.01)

(58) **Field of Classification Search**
CPC A45C 15/00; A45C 3/04; A45C 11/20; A45C 13/02; A47J 36/2483; F25D 2231/801; B65D 81/18; B65D 81/38; B65D 81/2069; B65D 81/007; B65D 81/3809; B65D 81/3806; B65D 81/382
See application file for complete search history.

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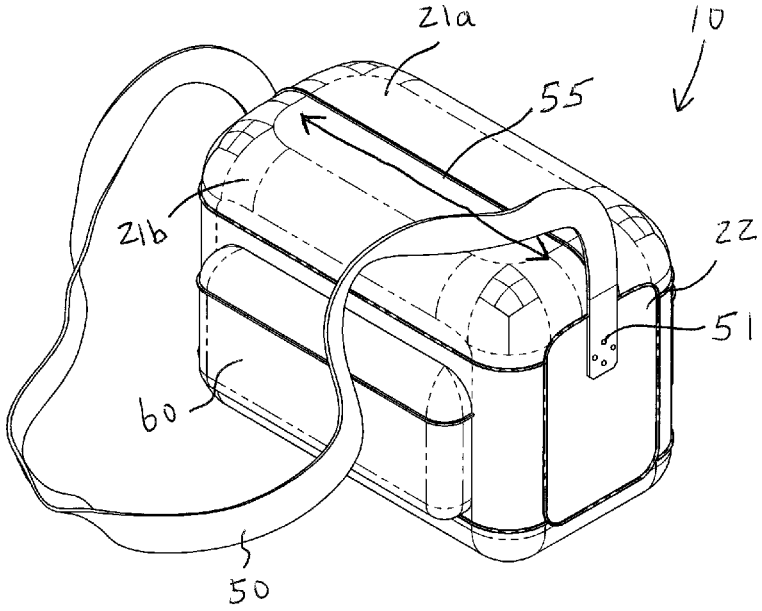
Primary Examiner — Shawntina Fuqua

(57) **ABSTRACT**

A cooler and heater bag includes a dry storage compartment, a cold storage compartment inside the dry storage compartment, a bottle warming compartment inside the dry storage compartment, a flexible shoulder strap having a first end anchored to the dry storage compartment, and a fastener attached to the dry storage compartment as well as anchored to a second end of the shoulder strap respectively. The fastener and the second end of the shoulder strap contemporaneously move along a bidirectional linear path defined along a top surface of the dry storage compartment. The dry storage compartment is in fluid communication with one of the cold storage compartment and the bottle warming compartment. The first side wall is oppositely spaced from the second side wall wherein each of the first side wall and the second side wall are located inside the dry storage compartment.

11 Claims, 6 Drawing Sheets



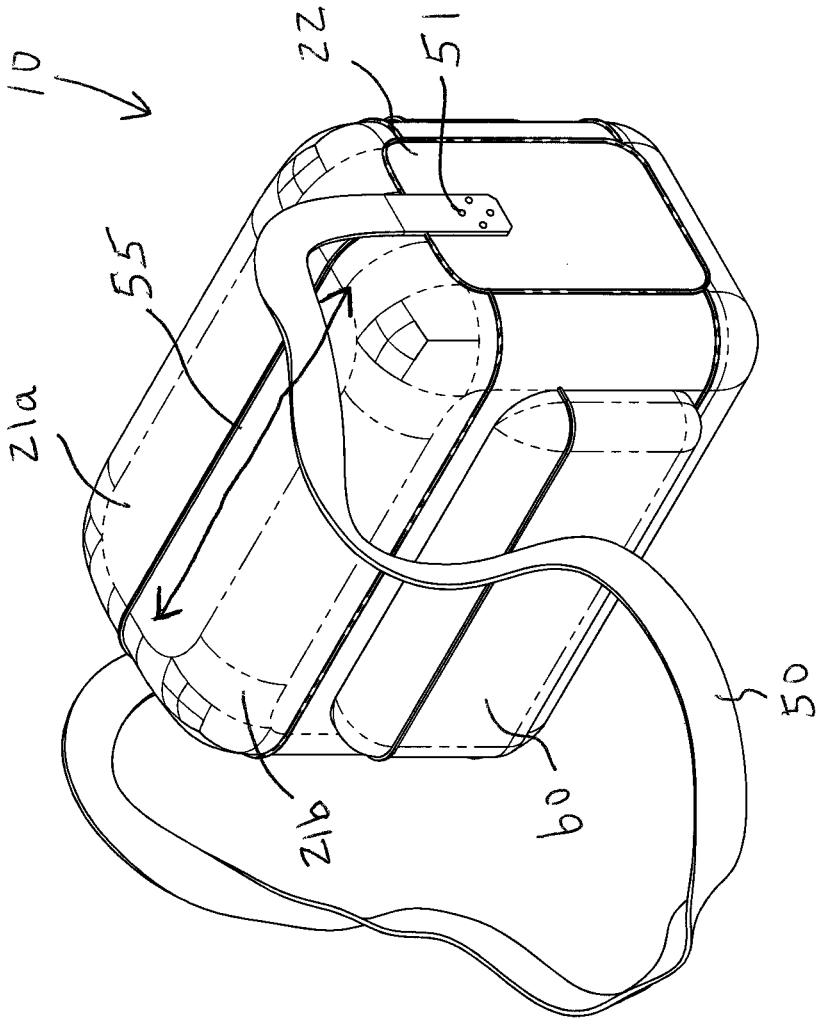


FIG. 1

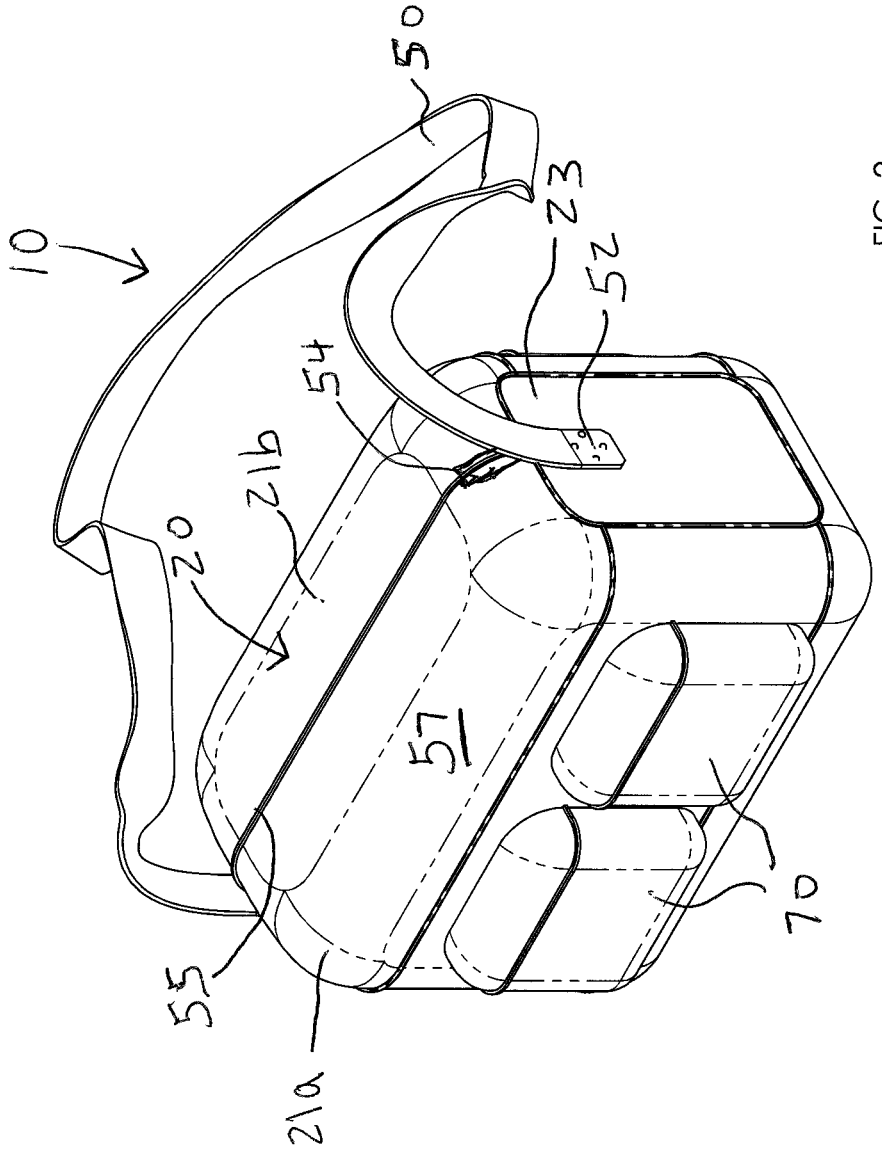


FIG. 2

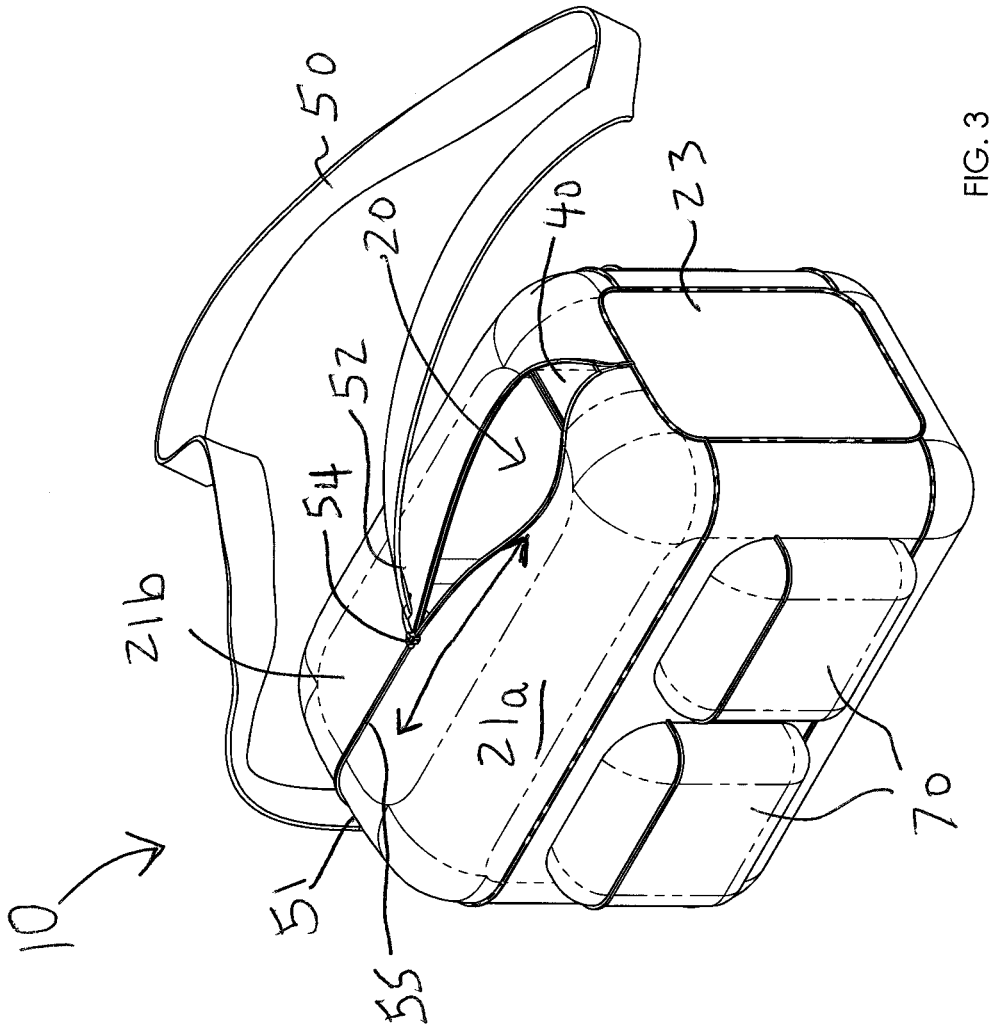


FIG. 3

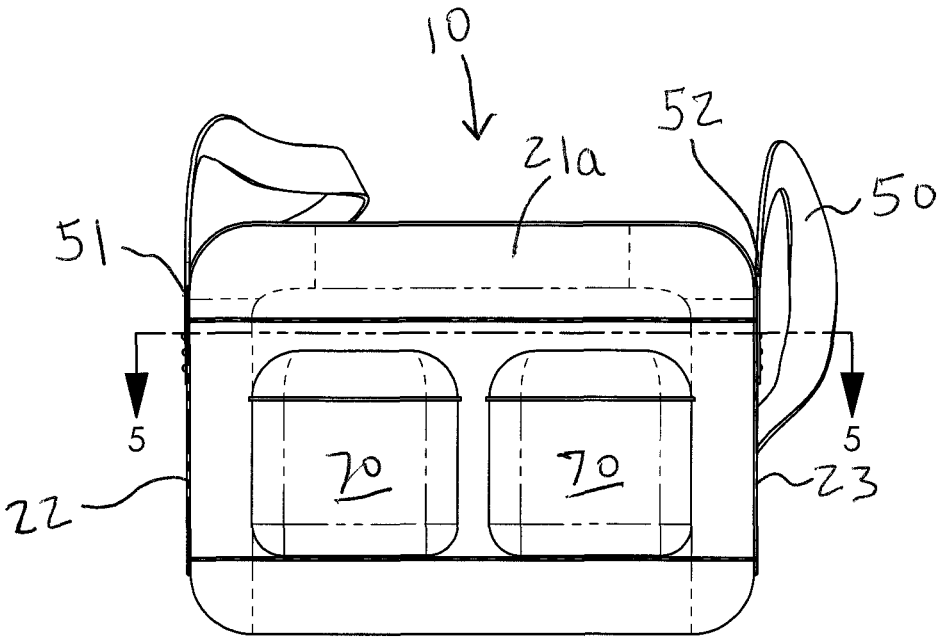


FIG. 4

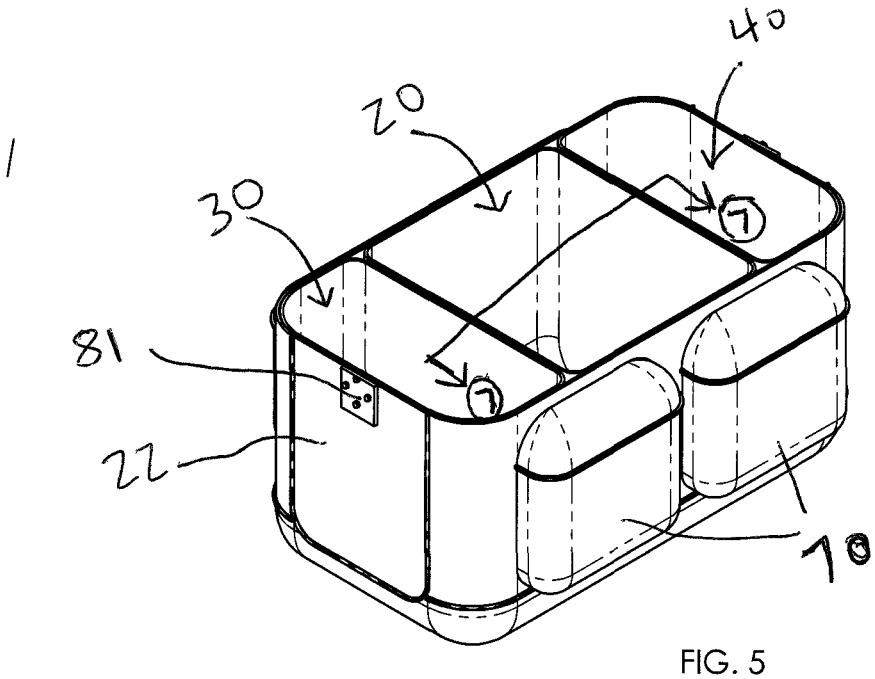


FIG. 5

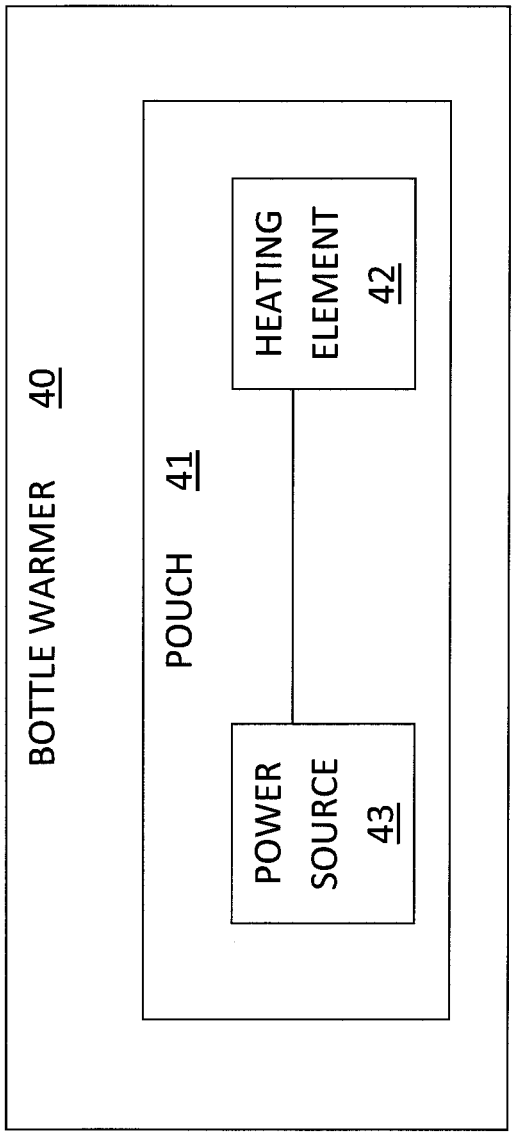

BOTTLE WARMER 40
POUCH 41
HEATING ELEMENT 42
POWER SOURCE 43

FIG. 6

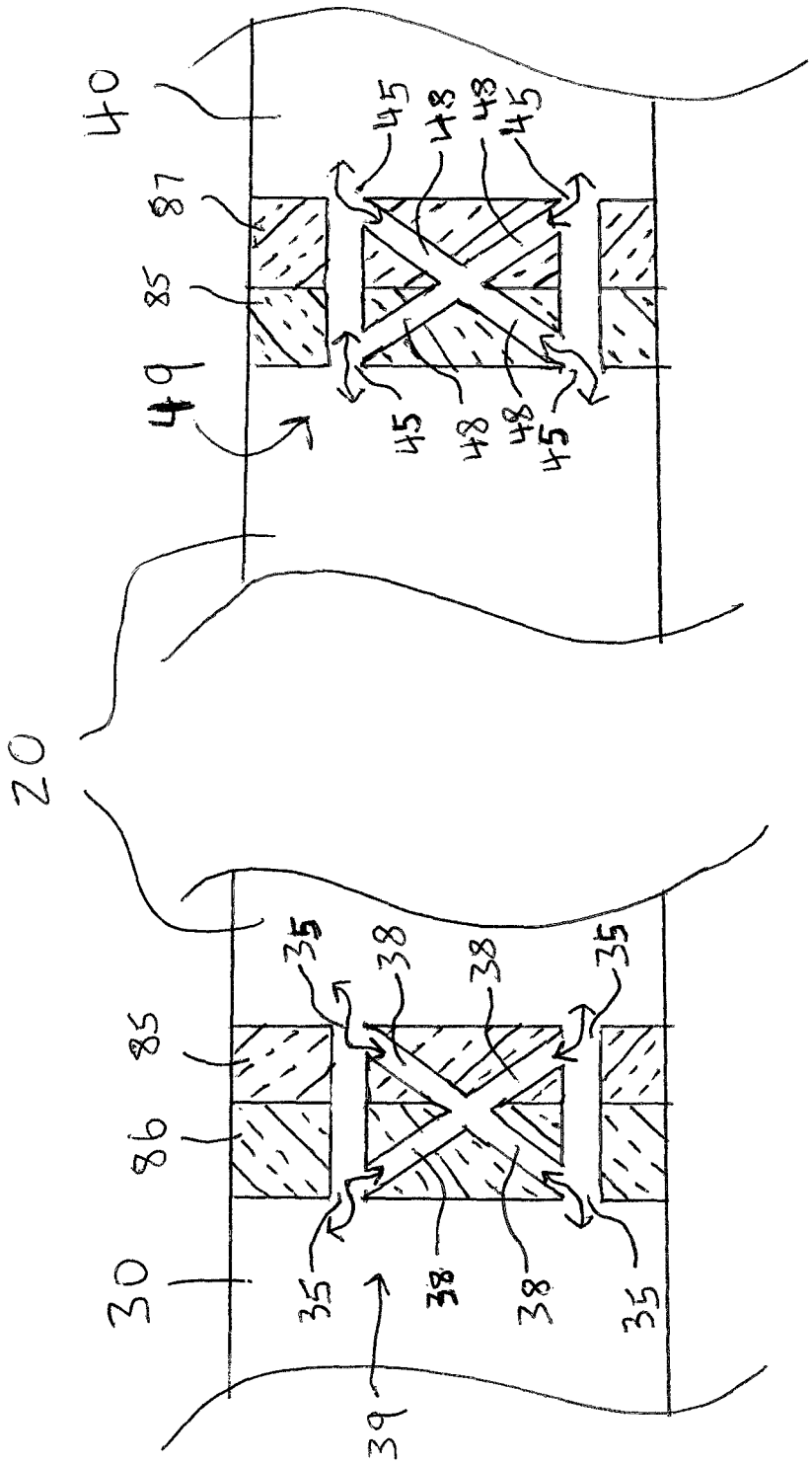

40
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FIG. 7

MULTIPURPOSE INSULATED COOLER/HEATER BAG AND ASSOCIATED METHOD

CROSS REFERENCE TO RELATED APPLICATIONS

This is a continuation-in-part application of U.S. patent application Ser. No. 13/210,336 filed on Aug. 15, 2011, currently pending, which claims the benefit of U.S. Provisional Application No. 61/373,363, filed Aug. 13, 2010, the entire disclosures of which are incorporated herein by reference.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not Applicable.

REFERENCE TO A MICROFICHE APPENDIX

Not Applicable.

BACKGROUND OF THE DISCLOSURE

Technical Field

This disclosure relates to infant care products and, more particularly, to a multipurpose insulated cooler/heater bag for providing users with a practical means of storing items needed on the go, as well as enabling them to easily keep warm baby bottles and other perishables chilled while travelling.

Prior Art

For most parents of babies or toddlers, a baby bottle is "must have" item, never to be without. Baby bottles not only provide nourishing milk to an infant, but also help to soothe and comfort a baby, especially in times of colic and fussiness. Not limited to bottle fed babies, a baby bottle is also used by most nourishing mothers a means of feeding their child when traveling or when in public. From the time of birth, when a bottle provides the sole means of nourishment, until the toddler years, when a bottle is offered as a nutritional accompaniment to solid foods or as a nighttime snack, a bottle of warm milk is essential for a healthy, happy child.

When giving an infant a baby bottle, perhaps the most important thing to keep in mind is the temperature of the milk contained within. Giving an infant a baby bottle that contains cold milk can upset the baby's tummy. On the other hand, milk that is too warm can scald the baby, leaving painful and dangerous burns to the mouth, throat and stomach. Parents warm their infant's bottles through a variety of methods. Placing a bottle in a bath of boiling water, warming it in the microwave or placing it under a running faucet are all popular ways that people warm a baby bottle. While all of these methods can be easily achieved in the home, providing a child a warm and satisfying bottle when away from home can be extremely difficult.

In particular, many consumers are faced with the dilemma of satisfying their child's hunger, when traveling. While most diaper bags are designed with integrated storage compartments created expressly for baby bottles, these units offer no means of keeping a bottle chilled prior to warming, as well as warming the bottle upon demand. While a tepid bottle can be unpleasant for the child, giving an infant a cold bottle often results in the child suffering painful stomach aches.

Unfortunately, a child is often hungry at inopportune moments, such as when Mom and Dad are driving down long stretches of highway and a rest stop is nowhere in sight. As many caregivers may attest, failing to provide a hungry infant a bottle on demand, often results in a cranky and irritable child. Extremely frustrating, searching in vain for a truck stop or restaurant, simply in order to warm a baby bottle to an appropriate drinking temperature, all while a child cries angrily to be fed, can be a very unnerving experience.

Accordingly, a need remains for an apparatus in order to overcome the above-noted shortcomings. The present disclosure satisfies such a need by providing a multipurpose insulated cooler/heater bag that is convenient and easy to use, lightweight yet durable in design, versatile in its applications, and designed for providing a user with a practical means of storing the many items needed on the go, as well as enable them to easily keep bottles and other perishables chilled during transport, while also enabling them to warm the child's bottle prior to feedings.

BRIEF SUMMARY OF THE DISCLOSURE

In view of the foregoing background, it is therefore an object of the present disclosure to provide a multipurpose insulated cooler and heater bag for providing users with a practical means of storing items needed on the go, as well as enabling them to easily keep warm baby bottles and other perishables chilled and/or warmed while travelling. These and other objects, features, and advantages of the disclosure are provided by a multipurpose insulated cooler and heater bag including a dry storage compartment having an outer perimeter wall, a cold storage compartment removably disposed inside the dry storage compartment wherein the cold storage compartment has a first side wall abutted against the outer perimeter wall, and a bottle warming compartment removably disposed inside the dry storage compartment wherein the bottle warming compartment having a second side wall abutted against the outer perimeter wall. A shoulder strap has a first end anchored to an exterior surface of the dry storage compartment, and a fastener is attached to the dry storage compartment as well as anchored to a second end of the shoulder strap respectively. Notably, the fastener and the second end of the shoulder strap contemporaneously move along a bidirectional linear path defined along a top surface of the dry storage compartment. Furthermore, the dry storage compartment is in fluid communication with one of the cold storage compartment and the bottle warming compartment. Advantageously, the first side wall is oppositely spaced from the second side wall wherein each of the first side wall and the second side wall are located inside the dry storage compartment.

In a non-limiting exemplary embodiment, the bag further includes a plurality of first passageways passing through the outer perimeter wall and the first side wall such that the dry storage compartment is in fluid communication with the cold storage compartment.

In a non-limiting exemplary embodiment, the first passageways include a plurality of first horizontally-oriented linear passageways each having a longitudinal length extending through an entire thickness of the outer perimeter wall and the first side wall, and a plurality of first criss-crossed linear passageways each having axially opposed ends in direct fluid communication with the first horizontally-oriented linear passageways, respectively.

In a non-limiting exemplary embodiment, the dry storage compartment is in fluid communication with both of the cold storage compartment and the bottle warming compartment.

In a non-limiting exemplary embodiment, the bag further includes a plurality of second passageways passing through the outer perimeter wall and the second side wall such that the dry storage compartment is in fluid communication with the bottle warming compartment.

In a non-limiting exemplary embodiment, the second passageways include a plurality of second horizontally-oriented linear passageways each having a longitudinal length extending through a combined thickness of the outer perimeter wall and the second side wall, and a plurality of second crisscrossed linear passageways each having axially opposed ends in direct fluid communication with the second horizontally-oriented linear passageways, respectively.

The present disclosure further includes a method of utilizing multipurpose insulated cooler and heater bag. Such a method includes the steps of: providing a dry storage compartment having an outer perimeter wall; providing and removably disposing a cold storage compartment inside the dry storage compartment wherein the cold storage compartment has a first side wall abutted against the outer perimeter wall; providing and removably disposing a bottle warming compartment inside the dry storage compartment wherein the bottle warming compartment has a second side wall abutted against the outer perimeter wall; oppositely spacing the first side wall from the second side wall; locating each the first side wall and the second side wall inside the dry storage compartment; fluidly communicating the dry storage compartment with one of the cold storage compartment and the bottle warming compartment; providing and anchoring a first end of a shoulder strap to an exterior surface of the dry storage compartment; providing and attaching a fastener to the dry storage compartment; anchoring the fastener to a second end of the shoulder strap; and contemporaneously moving the fastener and the second end of the shoulder strap along a bidirectional linear path defined along a top surface of the dry storage compartment.

There has thus been outlined, rather broadly, the more important features of the disclosure in order that the detailed description thereof that follows may be better understood, and in order that the present contribution to the art may be better appreciated. There are additional features of the disclosure that will be described hereinafter and which will form the subject matter of the claims appended hereto.

It is noted the purpose of the foregoing abstract is to enable the U.S. Patent and Trademark Office and the public generally, especially the scientists, engineers and practitioners in the art who are not familiar with patent or legal terms or phraseology, to determine quickly from a cursory inspection the nature and essence of the technical disclosure of the application. The abstract is neither intended to define the disclosure of the application, which is measured by the claims, nor is it intended to be limiting as to the scope of the disclosure in any way.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

The novel features believed to be characteristic of this disclosure are set forth with particularity in the appended claims. The disclosure itself, however, both as to its organization and method of operation, together with further objects and advantages thereof, may best be understood by reference to the following description taken in connection with the accompanying drawings in which:

FIG. **1** is a perspective view showing a front side of a multipurpose heater and cooler bag, in accordance with the present disclosure;

FIG. **2** is a perspective view showing a rear side of a multipurpose heater and cooler bag, in accordance with the present disclosure;

FIG. **3** is a perspective view of the multipurpose bag shown in FIG. **2** wherein the cold storage compartment and bottle warming compartment are spaced apart and located inside the dry storage compartment;

FIG. **4** is a side elevational view of the multipurpose bag shown in FIG. **3**;

FIG. **5** is a cross-sectional view taken along line **5-5** illustrated in FIG. **4**;

FIG. **6** is a schematic block diagram illustrating the interrelationship between the major electronic components of the bottle warmer;

FIG. **7** is an enlarged cross-sectional view taken along line **7-7** illustrated in FIG. **5**.

Those skilled in the art will appreciate that the figures are not intended to be drawn to any particular scale; nor are the figures intended to illustrate every embodiment of the disclosure. The disclosure is not limited to the exemplary embodiments depicted in the figures or the shapes, relative sizes or proportions shown in the figures.

DETAILED DESCRIPTION OF THE DISCLOSURE

The present disclosure will now be described more fully hereinafter with reference to the accompanying drawings, in which a preferred embodiment of the disclosure is shown. This disclosure may, however, be embodied in many different forms and should not be construed as limited to the embodiment set forth herein. Rather, this embodiment is provided so that this application will be thorough and complete, and will fully convey the true scope of the disclosure to those skilled in the art. Like numbers refer to like elements throughout the figures.

The illustrations of the embodiments described herein are intended to provide a general understanding of the structure of the various embodiments. The illustrations are not intended to serve as a complete description of all of the elements and features of apparatus and systems that utilize the structures or methods described herein. Many other embodiments may be apparent to those of skill in the art upon reviewing the disclosure. Other embodiments may be utilized and derived from the disclosure, such that structural and logical substitutions and changes may be made without departing from the scope of the disclosure. Additionally, the illustrations are merely representational and may not be drawn to scale. Certain proportions within the illustrations may be exaggerated, while other proportions may be minimized. Accordingly, the disclosure and the figures are to be regarded as illustrative rather than restrictive.

One or more embodiments of the disclosure may be referred to herein, individually and/or collectively, by the term "present disclosure" merely for convenience and without intending to voluntarily limit the scope of this application to any particular disclosure or inventive concept. Moreover, although specific embodiments have been illustrated and described herein, it should be appreciated that any subsequent arrangement designed to achieve the same or similar purpose may be substituted for the specific embodiments shown. This disclosure is intended to cover any and all subsequent adaptations or variations of various embodiments. Combinations of the above embodiments, and other

embodiments not specifically described herein, will be apparent to those of skill in the art upon reviewing the description.

The Abstract of the Disclosure is provided to comply with 37 C.F.R. §1.72(b) and is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. In addition, in the foregoing Detailed Description, various features may be grouped together or described in a single embodiment for the purpose of streamlining the disclosure. This disclosure is not to be interpreted as reflecting an intention that the claimed embodiments require more features than are expressly recited in each claim. Rather, as the following claims reflect, inventive subject matter may be directed to less than all of the features of any of the disclosed embodiments. Thus, the following claims are incorporated into the Detailed Description, with each claim standing on its own as defining separately claimed subject matter.

The below disclosed subject matter is to be considered illustrative, and not restrictive, and the appended claims are intended to cover all such modifications, enhancements, and other embodiments which fall within the true scope of the present disclosure. Thus, to the maximum extent allowed by law, the scope of the present disclosure is to be determined by the broadest permissible interpretation of the following claims and their equivalents, and shall not be restricted or limited by the foregoing detailed description.

The apparatus of this disclosure is referred to in FIGS. **1-7** and is intended to provide a multipurpose insulated cooler/heater bag **10**. It should be understood that the present disclosure may be used to store, cooler, and warm many different types of infant necessities and the like, and should not be limited to the uses described herein.

Referring to FIGS. **1-7** in general, a multipurpose insulated cooler and heater bag **10** is disclosed for providing users a practical means of storing items needed on the go, as well as enabling them to easily keep cold/warm baby bottles and other perishables chilled/warmed foodstuff while travelling. Such a multipurpose insulated cooler and heater bag **10** preferably includes a dry storage compartment **20**, a cold storage compartment **30** removably disposed entirely inside the dry storage compartment **20**, a bottle warmer **40** removably disposed entirely inside the dry storage compartment **20**, a flexible shoulder strap **50** having a first end **51** anchored to an exterior surface of the dry storage compartment **20**, and a fastener **54** attached to the dry storage compartment **20** as well as anchored to a second end **52** of the shoulder strap **50**, respectively. In this manner, the fastener **54** and the second end **52** of the shoulder strap **50** contemporaneously move along a bidirectional linear path **55** defined along a top surface **57** of the dry storage compartment **20**. Such a structural configuration provides the unexpected and unpredictable advantage of preventing strap **50** from bunching up or becoming disposed within the dry storage compartment **20** when the fastener **54** is opened. By displacing the strap **50** to one end of the dry storage compartment **20**, the strap **50** is effectively maintained clear of the opening to access the interior of the dry storage compartment **20**.

In a non-limiting exemplary embodiment, a diaper change compartment **60** may be attached to the exterior surface of the dry storage compartment **20**. Such a diaper change compartment **60** may be isolated from an interior of the dry storage compartment **20** as well as cold storage compartment **30** and bottle warmer **40**, respectively.

In a non-limiting exemplary embodiment, a plurality of auxiliary compartments **70** may be attached to the exterior surface of the dry storage compartment **20** and thereby situated subjacent to the fastener **54** as well as the first and second ends **51**, **52** of strap **50**, respectively.

In a non-limiting exemplary embodiment, as perhaps best shown in FIG. **4**, the bottle warmer **40** preferably includes a pouch **41** isolated from the dry storage compartment **20** and the cold storage compartment **30**, a heating element **42** located within the pouch **41**, and a power source **43** communicatively coupled to the heating element **42**. Such a structural configuration provides the unexpected and unpredictable advantage of permitting a user to selectively heat bottles, diapers, wipes, etc. without affecting the contents in the cold storage compartment **30**. Such a structural configuration provides the unexpected and unpredictable advantage of separating solid/liquid foodstuff as well as cold/hot foodstuff. The bottle warmer **40** may run on conventional electricity, power supplied by a universal car adapter to be easily plugged into any vehicle lighter, or an internally contained battery or any other portable suitable power well known in the art.

In a non-limiting exemplary embodiment, fastener **54** may be a zipper extending along a top surface **57** of the dry storage compartment **20**. Such a dry storage compartment **20** may be bifurcated into first and second halves **21***a*, **21***b* as fastener **54** is linearly displaced towards the first end **51** of the strap **50** and thereby opened. In this manner, a user may easily access both cold storage compartment **30** and bottle warmer **40** while the strap is gathered at one end of the bag **10**.

In a non-limiting exemplary embodiment, the first end **51** of the strap **50** preferably remains statically fixed to a proximal end **22** of the dry storage compartment **20** while the second end **52** of the strap **50** is dynamically displaced along the bidirectional linear path **55**. Such a structural configuration provides the unexpected and unpredictable advantage of ensuring the strap **50** is carried over to an exterior end of the dry storage compartment **20** and thereby remains out of the way when accessing the interior of the dry storage compartment **20**.

In a non-limiting exemplary embodiment, the diaper change protector compartment **60** may preferably store a removable changing pad (not shown) thereby providing a soft and sanitary surface on which to change the child's diaper. The dry storage compartment **20** may preferably be double stitched and reinforced and may be manufactured from nylon, canvas, quilted cotton, leather or other material well known in the art.

In a non-limiting exemplary embodiment, the interior of the insulated cold compartment **30** may be kept cold via removable ice packs (not shown).

In a non-limiting exemplary embodiment, the present disclosure may further include a method of utilizing a multipurpose insulated cooler and heater bag **10**. Such a method preferably includes the chronological steps of: providing a dry storage compartment **20**; providing a cold storage compartment **30**; removably disposing the cold storage compartment **30** entirely inside the dry storage compartment **20**; providing a bottle warmer **40**; and removably disposing the bottle warmer **40** entirely inside the dry storage compartment **20**.

The method further includes the chronological steps of: providing a flexible shoulder strap **50**; anchoring a first end **51** of the shoulder strap **50** to an exterior surface of the dry storage compartment **20**; providing and attaching a fastener **54** to the dry storage compartment **20**; anchoring the fastener **54** to a second end **52** of the shoulder strap **50** respectively; contemporaneously moving the fastener **54** and the second

end **52** of the shoulder strap **50** along a bidirectional linear path **55** defined along a top surface **57** of the dry storage compartment **20**; providing and positioning a bottle (not shown) into the cold storage compartment **30**; removing the bottle from the cold storage compartment **30** and placing the bottle into the bottle warmer **40** until contents within the bottle are warmed to a desired temperature; and feeding the warmed contents of the bottle to an infant.

Referring to FIGS. **1-7** in general, a multipurpose insulated cooler and heater bag **10** including a dry storage compartment **20** having an outer perimeter wall **85**, a cold storage compartment **30** removably disposed inside the dry storage compartment **20** wherein the cold storage compartment **30** has a first side wall **86** abutted against the outer perimeter wall **85**, and a bottle warming compartment **40** removably disposed inside the dry storage compartment **20** wherein the bottle warming compartment **40** having a second side wall **87** abutted against the outer perimeter wall **85**. A shoulder strap **50** has a first end **51** anchored to an exterior surface of the dry storage compartment **20**, and a fastener **54** is attached to the dry storage compartment **20** as well as removably anchored to a second end **52** of the shoulder strap **50** respectively (e.g., via snap button, hook and loop fastener, clip, etc.) Notably, the fastener **54** and the second end **52** of the shoulder strap **50** contemporaneously move along a bidirectional linear path defined along a top surface of the dry storage compartment **20**. Furthermore, the dry storage compartment **20** is in fluid communication with one of the cold storage compartment **30** and the bottle warming compartment **40**. Advantageously, the first side wall **86** is oppositely spaced from the second side wall **87** wherein each of the first side wall **86** and the second side wall **87** are located inside the dry storage compartment **20**.

In a non-limiting exemplary embodiment, the bag **10** further includes a plurality of first passageways **39** passing through the outer perimeter wall **85** and the first side wall **86** such that the dry storage compartment **20** is in fluid communication with the cold storage compartment **30**.

In a non-limiting exemplary embodiment, the first passageways **39** include a plurality of first horizontally-oriented linear passageways **35** each having a longitudinal length extending through an entire combined thickness of the outer perimeter wall **85** and the first side wall **86**, and a plurality of first crisscrossed linear passageways **38** each having axially opposed ends in direct fluid communication with the first horizontally-oriented linear passageways **35**, respectively.

In a non-limiting exemplary embodiment, the dry storage compartment **20** is in fluid communication with both of the cold storage compartment **30** and the bottle warming compartment **40**.

In a non-limiting exemplary embodiment, the bag **10** further includes a plurality of second passageways **49** passing through the outer perimeter wall **85** and the second side wall **87** such that the dry storage compartment **20** is in fluid communication with the bottle warming compartment **40**.

In a non-limiting exemplary embodiment, the second passageways **49** include a plurality of second horizontally-oriented linear passageways **45** each having a longitudinal length extending through an entire combined thickness of the outer perimeter wall **85** and the second side wall **87**, and a plurality of second crisscrossed linear passageways **48** each having axially opposed ends in direct fluid communication with the second horizontally-oriented linear passageways **45**, respectively.

The present disclosure further includes a method of utilizing multipurpose insulated cooler and heater bag **10**. Such a method includes the steps of: providing a dry storage compartment **20** having an outer perimeter wall **85**; providing and removably disposing a cold storage compartment **30** inside the dry storage compartment **20** wherein the cold storage compartment **30** has a first side wall **86** abutted against the outer perimeter wall **85**; providing and removably disposing a bottle warming compartment **40** inside the dry storage compartment **20** wherein the bottle warming compartment **40** has a second side wall **87** abutted against the outer perimeter wall **85**; oppositely spacing the first side wall **86** from the second side wall **87**; locating each the first side wall **86** and the second side wall **87** inside the dry storage compartment **20**; fluidly communicating the dry storage compartment **20** with one of the cold storage compartment **30** and the bottle warming compartment **40**; providing and anchoring a first end **51** of a shoulder strap **50** to an exterior surface of the dry storage compartment **20**; providing and attaching a fastener to the dry storage compartment **20**; anchoring the fastener to a second end **52** of the shoulder strap **50**; and contemporaneously moving the fastener and the second end **52** of the shoulder strap **50** along a bidirectional linear path defined along a top surface of the dry storage compartment **20**.

While the disclosure has been described with respect to a certain specific embodiment, it will be appreciated that many modifications and changes may be made by those skilled in the art without departing from the spirit of the disclosure. It is intended, therefore, by the appended claims to cover all such modifications and changes as fall within the true spirit and scope of the disclosure. In particular, with respect to the above description, it is to be realized that the optimum dimensional relationships for the parts of the present disclosure may include variations in size, materials, shape, form, function and manner of operation.

What is claimed as new and what is desired to secure by Letters Patent of the United States is:

1. A multipurpose insulated cooler and heater bag comprising:

a dry storage compartment having an outer perimeter wall;

a cold storage compartment removably disposed inside said dry storage compartment, said cold storage compartment having a first side wall abutted against said outer perimeter wall;

a bottle warming compartment removably disposed inside said dry storage compartment, said bottle warming compartment having a second side wall abutted against said outer perimeter wall;

a shoulder strap having a first end anchored to an exterior surface of said dry storage compartment;

a fastener attached to said dry storage compartment and anchored to a second end of said shoulder strap respectively;

wherein said fastener and said second end of said shoulder strap contemporaneously move along a bidirectional linear path defined along a top surface of said dry storage compartment;

wherein said dry storage compartment is in fluid communication with one of said cold storage compartment and said bottle warming compartment; and

a plurality of first passageways passing through said outer perimeter wall and said first side wall such that said dry storage compartment is in fluid communication with said cold storage compartment.

2. The multipurpose insulated cooler and heater bag of claim **1**, wherein said first passageways comprise:

a plurality of first horizontally-oriented linear passageways each having a longitudinal length extending through an entire thickness of said outer perimeter wall and said first side wall; and

a plurality of first crisscrossed linear passageways each having axially opposed ends in direct fluid communication with said first horizontally-oriented linear passageways, respectively.

3. The multipurpose insulated cooler and heater bag of claim **1**, wherein said dry storage compartment is in fluid communication with both of said cold storage compartment and said bottle warming compartment.

4. The multipurpose insulated cooler and heater bag of claim **3**, further comprising: a plurality of second passageways passing through said outer perimeter wall and said second side wall such that said dry storage compartment is in fluid communication with said bottle warming compartment.

5. The multipurpose insulated cooler and heater bag of claim **4**, wherein said second passageways comprise:

a plurality of second horizontally-oriented linear passageways each having a longitudinal length extending through a combined thickness of said outer perimeter wall and said second side wall; and

a plurality of second crisscrossed linear passageways each having axially opposed ends in direct fluid communication with said second horizontally-oriented linear passageways, respectively.

6. A multipurpose insulated cooler and heater bag comprising:

a dry storage compartment having an outer perimeter wall;

a cold storage compartment removably disposed inside said dry storage compartment, said cold storage compartment having a first side wall abutted against said outer perimeter wall;

a bottle warming compartment removably disposed inside said dry storage compartment, said bottle warming compartment having a second side wall abutted against said outer perimeter wall;

a shoulder strap having a first end anchored to an exterior surface of said dry storage compartment;

a fastener attached to said dry storage compartment and anchored to a second end of said shoulder strap respectively;

wherein said fastener and said second end of said shoulder strap contemporaneously move along a bidirectional linear path defined along a top surface of said dry storage compartment;

wherein said dry storage compartment is in fluid communication with one of said cold storage compartment and said bottle warming compartment;

wherein said first side wall is oppositely spaced from said second side wall;

wherein said each of said first side wall and said second side wall are located inside said dry storage compartment; and

a plurality of first passageways passing through said outer perimeter wall and said first side wall such that said dry storage compartment is in fluid communication with said cold storage compartment.

7. The multipurpose insulated cooler and heater bag of claim **6**, wherein said first passageways comprise:

a plurality of first horizontally-oriented linear passageways each having a longitudinal length extending through an entire thickness of said outer perimeter wall and said first side wall; and

a plurality of first crisscrossed linear passageways each having axially opposed ends in direct fluid communication with said first horizontally-oriented linear passageways, respectively.

8. The multipurpose insulated cooler and heater bag of claim **7**, wherein said dry storage compartment is in fluid communication with both of said cold storage compartment and said bottle warming compartment.

9. The multipurpose insulated cooler and heater bag of claim **8**, further comprising: a plurality of second passageways passing through said outer perimeter wall and said second side wall such that said dry storage compartment is in fluid communication with said bottle warming compartment.

10. The multipurpose insulated cooler and heater bag of claim **9**, wherein said second passageways comprise:

a plurality of second horizontally-oriented linear passageways each having a longitudinal length extending through a combined thickness of said outer perimeter wall and said second side wall; and

a plurality of second crisscrossed linear passageways each having axially opposed ends in direct fluid communication with said second horizontally-oriented linear passageways, respectively.

11. A method of utilizing multipurpose insulated cooler and heater bag, said method comprising the steps of:

providing a dry storage compartment having an outer perimeter wall;

providing and removably disposing a cold storage compartment inside said dry storage compartment, said cold storage compartment having a first side wall abutted against said outer perimeter wall;

providing and removably disposing a bottle warming compartment inside said dry storage compartment, said bottle warming compartment having a second side wall abutted against said outer perimeter wall;

oppositely spacing said first side wall from said second side wall;

locating each said first side wall and said second side wall inside said dry storage compartment;

fluidly communicating said dry storage compartment with one of said cold storage compartment and said bottle warming compartment;

providing and passing a plurality of first passageways through said outer perimeter wall and said first side wall such that said dry storage compartment is in fluid communication with said cold storage compartment;

providing and anchoring a first end of a shoulder strap to an exterior surface of said dry storage compartment;

providing and attaching a fastener to said dry storage compartment;

anchoring said fastener to a second end of said shoulder strap; and

contemporaneously moving said fastener and said second end of said shoulder strap along a bidirectional linear path defined along a top surface of said dry storage compartment.

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