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## Bracket system for mounting an appliance to a cabinet structure


### Abstract

A bracket system for coupling an appliance to a cabinet structure includes a mounting bracket having an inner wall spaced-apart from an outer wall and a plurality of apertures is provided through the outer wall. The inner wall couples to the outer surface of the appliance in assembly. A trim member includes first and second mounting portions and an abutment portion inwardly offset from the first and second mounting portions. The first and second mounting portions each include a plurality of apertures disposed therethrough. An inner surface of the first mounting portion abuts the outer wall of the mounting bracket, such that the apertures disposed therebetween are aligned. The second mounting portion includes a plurality of apertures disposed therethrough, and an outer surface of the second mounting portion is configured to abut the inner surface of the cabinet compartment for mounting thereto.



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## Background/Summary

CROSS REFERENCE TO RELATED APPLICATION (1) This application is a continuation of U.S. patent application Ser. No. 17/354,069, now U.S. Pat. No. 11,666,145, filed on Jun. 22, 2021, entitled BRACKET SYSTEM FOR MOUNTING AN APPLIANCE TO A CABINET STRUCTURE, the entire disclosure of which is hereby incorporated by reference.

BACKGROUND OF THE DISCLOSURE
(1) The present disclosure generally relates to a bracket system for an appliance, and more

specifically, to a bracket system for mounting an appliance to a cabinet structure.

SUMMARY OF THE DISCLOSURE

(2) According to one aspect of the present disclosure, a bracket system for use between an outer surface of an appliance and an inner surface of a cabinet structure includes a mounting bracket with an inner wall spaced-apart from an outer wall with at least one sidewall that interconnects the inner wall and the outer wall. A channel is defined between the inner wall and the outer wall. A plurality of apertures is provided through the outer wall. Each aperture of the plurality of apertures opens into the channel. The inner wall is configured to abut the outer surface of the appliance. A trim member includes first and second mounting portions and an abutment portion inwardly offset from the first and second mounting portions. The first mounting portion includes a plurality of apertures disposed therethrough. One or more of the apertures of the plurality of apertures of the first mounting portion of the trim member align with one or more of the apertures of the plurality of apertures of the mounting bracket to define aligned mounting apertures therebetween. An inner surface of the first mounting portion abuts the outer wall of the mounting bracket and a portion of an inner surface of the abutment portion is configured to abut the outer surface of the appliance. The second mounting portion includes a plurality of apertures disposed therethrough. An outer surface of the second mounting portion is configured to abut the inner surface of the cabinet structure.

(3) According to another aspect of the present disclosure, a bracket system for use between an outer surface of an appliance and an inner surface of a cabinet structure includes a mounting bracket with an inner wall spaced-apart from an outer wall with an intermediate wall interconnecting the inner wall and the outer wall. The inner wall is configured to abut the outer surface of the appliance, and a plurality of apertures is provided through the outer wall. A trim member includes a front mounting portion and a rear mounting portion spaced-apart from one another along a body portion of the trim member. The front and rear mounting portions each include a plurality of apertures disposed therethrough. One or more of the apertures of the plurality of apertures of the rear mounting portion of the trim member align with one or more of the apertures of the plurality of apertures of the mounting bracket to define aligned mounting apertures therebetween. An inner surface of the rear mounting portion abuts the outer wall of the mounting bracket. An outer surface of the front mounting portion is configured to abut the inner surface of the cabinet structure.

(4) According to yet another aspect of the present disclosure, an appliance mounting system includes an appliance having a sidewall with an outer surface. A mounting bracket includes an inner wall spaced-apart from an outer wall. The outer wall includes a plurality of apertures provided therethrough. The inner wall is coupled to the outer surface of the sidewall of the appliance. A trim member includes first and second mounting portions. The first mounting portion and the second mounting portion each include a plurality of apertures disposed therethrough. One or more of the apertures of the plurality of apertures of the first mounting portion of the trim member align with one or more of the apertures of the plurality of apertures of the mounting bracket to define aligned mounting apertures therebetween. An inner surface of the first mounting portion abuts the outer wall of the mounting bracket. A cabinet structure includes a sidewall with an inner surface to at least partially define a cabinet enclosure. The appliance is received within the cabinet enclosure of the cabinet structure. An outer surface of the second mounting portion of the trim member abuts the inner surface of the sidewall of the cabinet structure.

(5) These and other features, advantages, and objects of the present disclosure will be further understood and appreciated by those skilled in the art by reference to the following specification, claims, and appended drawings.

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## Description

BRIEF DESCRIPTION OF THE DRAWINGS

(1) In the drawings:

(2) FIG. **1** is a front top perspective view of a refrigerator shown exploded away from a cabinet structure;

(3) FIG. **2** is a front top perspective view of the refrigerator and cabinet structure of FIG. **1** from another perspective;

(4) FIG. **3**A is a front top perspective view of the refrigerator of FIG. **1** with a side-mounting bracket system exploded away therefrom;

(5) FIG. **3**B is a front top perspective view of the refrigerator of FIG. **3**A with the side-mounting bracket system mounted thereto;

(6) FIG. **3**C is a front top perspective view of the refrigerator of FIG. **3**B received within the cabinet structure of FIG. **1**;

(7) FIG. **4** is a cross-section view of a mounting bracket of the side-mounting bracket system of FIG. **3**A taken at line IV;

(8) FIG. **5** is a bottom perspective cross-section view of a trim member of the side-mounting bracket system of FIG. **3**A taken at line V;

(9) FIG. **6** is a front top perspective view of the refrigerator of FIG. **3**A with the mounting bracket of the side-mounting bracket system mounted thereto and the trim member and a sidewall of the cabinet structure exploded away therefrom;

(10) FIG. **7** is a fragmentary cross-section view of the side-mounting bracket system and the refrigerator of FIG. **3**A taken at line VII with a fastener exploded away therefrom;

(11) FIG. **8** is a fragmentary cross-section view of the side-mounting bracket system and the refrigerator of FIG. **3**A taken at line VII with the fastener of FIG. **7** interconnecting the trim member and the mounting bracket;

(12) FIG. **9** is a fragmentary cross-section view of the side-mounting bracket system, the refrigerator and cabinet structure of FIG. **3**C taken at line IX with a fastener exploded away therefrom;

(13) FIG. **10** is a fragmentary cross-section view of the side-mounting bracket system, the refrigerator and cabinet structure of FIG. **3**C taken at line IX with the fastener of FIG. **9** interconnecting the trim member and a sidewall of the cabinet member;

(14) FIG. **11** is a front top perspective view of the refrigerator of FIG. **1** with a side-mounting bracket system exploded away therefrom;

(15) FIG. **12** is a cross-section view of a mounting bracket of the side-mounting bracket system of FIG. **11** taken at line XII;

(16) FIG. **13** is a fragmentary top perspective view of the mounting bracket of FIG. **11**;

(17) FIG. **14** is a bottom perspective cross-section view of a trim member of the side-mounting bracket system of FIG. **11** taken at line XIV;

(18) FIG. **15** is a fragmentary cross-section view of the side-mounting bracket system of FIG. **11** mounted to the refrigerator of FIG. **11**;

(19) FIG. **16** is a front top perspective view of the refrigerator of FIG. **1** with a side-mounting bracket system exploded away therefrom;

(20) FIG. **17** is a cross-section view of a mounting bracket of the side-mounting bracket system of FIG. **16** taken at line XVII;

(21) FIG. **18** is a fragmentary top perspective view of the mounting bracket of FIG. **16**;

(22) FIG. **19** is a front top perspective view of the refrigerator of FIG. **16** with the side-mounting bracket system mounted thereto;

(23) FIG. **20** is a fragmentary cross-section view of the side-mounting bracket system and the refrigerator of FIG. **19** taken at line XX;

(24) FIG. **21** is zoomed-in view of the mounting bracket and trim member of the side-mounting

bracket system of FIG. **20**;
(25) FIG. **22** is a front top perspective view of the refrigerator of FIG. **1** with a side-mounting bracket system exploded away therefrom;
(26) FIG. **23** is a fragmentary top perspective view of a mounting bracket of the side-mounting bracket system of FIG. **22**;
(27) FIG. **24** is a front top perspective view of the refrigerator of FIG. **22** with the side-mounting bracket system mounted thereto;
(28) FIG. **25** is a fragmentary cross-section view of the side-mounting bracket system and the refrigerator of FIG. **24** taken at line XXV;
(29) FIG. **26** is a front top perspective view of the refrigerator of FIG. **1** with a side-mounting bracket system exploded away therefrom;
(30) FIG. **27** is a fragmentary top perspective view of a mounting bracket of the side-mounting bracket system of FIG. **26**;
(31) FIG. **28** is a front top perspective view of the refrigerator of FIG. **26** with the side-mounting bracket system mounted thereto;
(32) FIG. **29** is a fragmentary cross-section view of the side-mounting bracket system and the refrigerator of FIG. **28** taken at line XXIX;
(33) FIG. **30** is a front top perspective view of the refrigerator of FIG. **1** with a side-mounting bracket system exploded away therefrom;
(34) FIG. **31** is a cross-section view of a mounting bracket of the side-mounting bracket system of FIG. **30** taken at line XXXI;
(35) FIG. **32** is a front top perspective view of the refrigerator of FIG. **30** with the side-mounting bracket system mounted thereto;
(36) FIG. **33** is a fragmentary cross-section view of the side-mounting bracket system and the refrigerator of FIG. **32** taken at line XXXIII;
(37) FIG. **34**A is a front top perspective view of a machine room cover;
(38) FIG. **34**B is a front top perspective view of the machine room cover of FIG. **34**A from another perspective;
(39) FIG. **35** is a front top perspective view of a brace member;
(40) FIG. **36** is a rear top perspective view of the brace member of FIG. **35**;
(41) FIG. **37** is a front top perspective view of the machine room cover of FIG. **34**A with brace members of FIG. **35** affixed thereto;
(42) FIG. **38** is an exploded top perspective view of a roller box assembly;
(43) FIG. **39** is a fragmentary top perspective view of a bottom plate of the roller box assembly of FIG. **38**;
(44) FIG. **40** is a bottom perspective view of a front bracket of the roller box assembly of FIG. **38**;
(45) FIG. **41** is a top perspective view of the roller box assembly of FIG. **38** in an assembled condition;
(46) FIG. **42** is a top perspective view of the roller box assembly of FIG. **41**;
(47) FIG. **43** is an exploded top perspective view of an upper bracket system;
(48) FIG. **44** is a fragmentary top perspective view of the upper bracket system of FIG. **43** in an assembled condition and supported on a refrigerator received in a cabinet structure, with the cabinet structure shown in phantom;
(49) FIG. **45** is an exploded top perspective view of an upper bracket system;
(50) FIG. **46** is a fragmentary top perspective view of the upper bracket system of FIG. **45** in an assembled condition and supported on a refrigerator that is received within a cabinet structure, with the cabinet structure shown in phantom;
(51) FIG. **47** is an exploded top perspective view of an upper bracket system;
(52) FIG. **48** is a top perspective view of a hinge support bracket of the upper bracket system of FIG. **47**;

(53) FIG. **49** is a fragmentary top perspective view of the upper bracket system of FIG. **47** in an assembled condition and supported on a refrigerator that is received within a cabinet structure, with the cabinet structure shown in phantom;
(54) FIG. **50** is an exploded top perspective view of an upper bracket system;
(55) FIG. **51** is an front bottom perspective view of a hinge bracket of the upper bracket system of FIG. **50**;
(56) FIG. **52** is a fragmentary top perspective view of the upper bracket system of FIG. **50** in an assembled condition and supported on a refrigerator that is received within a cabinet structure, with the cabinet structure shown in phantom;
(57) FIG. **53** is an exploded top perspective view of an upper bracket system;
(58) FIG. **54** is a rear top perspective view of a hinge bracket of an upper bracket system;
(59) FIG. **55** is a front top perspective view of a mounting bracket of an upper bracket system;
(60) FIG. **56** is a fragmentary top perspective view of the upper bracket system of FIGS. **54** and **55** in an assembled condition and supported on a refrigerator that is received within a cabinet structure, with the cabinet structure shown in phantom;
(61) FIG. **57** is a front top perspective view of a hinge bracket;
(62) FIG. **58** is a front bottom perspective view of the hinge bracket of FIG. **57**;
(63) FIG. **59** is a front top perspective view of a hinge bracket; and
(64) FIG. **60** is a front bottom perspective view of the hinge bracket of FIG. **59**.
(65) The components in the figures are not necessarily to scale, emphasis instead being placed upon illustrating the principles described herein.

DETAILED DESCRIPTION

(66) The present illustrated embodiments reside primarily in combinations of method steps and apparatus components related to a bracket system for mounting an appliance to a cabinet structure. Accordingly, the apparatus components and method steps have been represented, where appropriate, by conventional symbols in the drawings, showing only those specific details that are pertinent to understanding the embodiments of the present disclosure so as not to obscure the disclosure with details that will be readily apparent to those of ordinary skill in the art having the benefit of the description herein. Further, like numerals in the description and drawings represent like elements.
(67) For purposes of description herein, the terms “upper,” “lower,” “right,” “left,” “rear,” “front,” “vertical,” “horizontal,” and derivatives thereof shall relate to the disclosure as oriented in FIG. **1**. Unless stated otherwise, the term “front” shall refer to the surface of the element closer to an intended viewer, and the term “rear” shall refer to the surface of the element further from the intended viewer. However, it is to be understood that the disclosure may assume various alternative orientations, except where expressly specified to the contrary. It is also to be understood that the specific devices and processes illustrated in the attached drawings, and described in the following specification are simply exemplary embodiments of the inventive concepts defined in the appended claims. Hence, specific dimensions and other physical characteristics relating to the embodiments disclosed herein are not to be considered as limiting, unless the claims expressly state otherwise.
(68) The terms “including,” “comprises,” “comprising,” or any other variation thereof, are intended to cover a non-exclusive inclusion, such that a process, method, article, or apparatus that comprises a list of elements does not include only those elements but may include other elements not expressly listed or inherent to such process, method, article, or apparatus. An element proceeded by “comprises a . . . ” does not, without more constraints, preclude the existence of additional identical elements in the process, method, article, or apparatus that comprises the element.
(69) The terms “substantial,” “substantially,” and variations thereof, as used herein, are intended to note that a described feature is equal or approximately equal to a value or description. For example, a “substantially planar” surface is intended to denote a surface that is planar or approximately planar. Moreover, “substantially” is intended to denote that two values are equal or approximately

equal. In some embodiments, “substantially” may denote values within about 10% of each other, such as within about 5% of each other, or within about 2% of each other.

(70) Referring to the embodiment illustrated in FIG. **1**, reference numeral **10** generally designates an appliance shown in the form of a refrigerator that includes a vacuum insulated cabinet structure **12**. In the embodiment illustrated in FIG. **1**, the refrigerator **10** is shown without doors to reveal a refrigerator compartment **14** and a freezer compartment **16**. The vacuum insulated cabinet structure **12** of the refrigerator **10** is contemplated to be comprised of one or more liners **18**, **19** and an external wrapper **20**. Liner **18** is contemplated to be a refrigerator liner having a top wall **22**, a bottom wall **24**, first and second sidewalls **26**, **28**, and a rear wall **30**, which cooperate together to define the parameters of the refrigerator compartment **14**. Similarly, liner **19** is contemplated to be a freezer liner having a top wall **32**, a bottom wall **34**, first and second sidewalls **36**, **38**, and a rear wall **40**, which cooperate together to define the parameters of the freezer compartment **16**. The external wrapper **20** includes a top wall **42**, first and second sidewalls **46**, **48**, and a rear wall **50**, which cooperate together to define the outer parameters of the refrigerator **10**. The external wrapper **20** and the one or more liners **18**, **19** may be interconnected by a trim breaker **52** in a sealed manner to define a vacuum cavity **54** therebetween, as best shown in FIG. **7**. The trim breaker **52** includes a front edge **53** defining a front portion of the vacuum insulated cabinet structure **12**. The vacuum cavity **54** defined between the external wrapper **20** and the one or more liners **18**, **19** may have an air pressure level of less than about 1 atm, about 0.5 atm, about 0.4 atm, about 0.3 atm, about 0.2 atm, about 0.1 atm, about 0.01 atm, or less than about 0.001 atm. In this way, the vacuum cavity **54** includes a vacuum drawn thereon which provides an overall negative internal pressure within the vacuum cavity **54**. Thus, the vacuum cavity **54** serves as an insulator to help retain the desired cold temperatures within the refrigerator compartment **14** and the freezer compartment **16**. It is contemplated that the external wrapper **20** and the liners **18**, **19** may be comprised of a metal material suitable to retain the vacuum within the vacuum cavity **54**.

(71) As further shown in FIG. **1**, the refrigerator **10** includes a machine room cover **56** configured to house the components of a refrigeration system **58** for cooling the refrigerator compartment **14** and the freezer compartment **16**. Like the external wrapper **20**, the machine room cover **56** may also be comprised of a metal material. It is to be understood that the features, as set forth herein, could be applied to any appliance having any general configuration, such as the rectangular configuration of the refrigerator **10** shown in FIG. **1**. As such, the refrigerator **10** may be referred to herein as an appliance that is configured for reception within a cabinet structure **60**.

(72) With further reference to FIG. **1**, the cabinet structure **60**, as shown, includes a top wall **62** with an inner surface **63**, a bottom wall **64** with an inner surface **65**, a first sidewall **66** with an inner surface **67**, a second sidewall **68** with an inner surface **69** (FIG. **2**), and a rear wall **70** with an inner surface **71**, which all cooperate together to define a cabinet enclosure **80** in which the refrigerator **10** is configured to be received. The bottom wall **64** may be a support surface, such as a floor, upon which the cabinet structure **60** is abuttingly supported. With reference to FIGS. **1** and **2**, the first sidewall **46** of the refrigerator **10** includes an outer surface **47** that is configured to align with the inner surface **67** of the first sidewall **66** of the cabinet structure **60** when the refrigerator **10** is received within the cabinet enclosure **80**. As shown in FIGS. **1** and **2**, the second sidewall **48** of the refrigerator **10** includes an outer surface **49** that is configured to align with the inner surface **69** of the second sidewall **68** of the cabinet structure **60** when the refrigerator **10** is received within the cabinet enclosure **80**. As further shown in FIGS. **1** and **2**, the top wall **42** of the refrigerator **10** includes an outer surface **43** that is configured to align with the inner surface **63** of the top wall **62** of the cabinet structure **60** when the refrigerator **10** is received within the cabinet enclosure **80**. To secure the refrigerator **10** in-place within the cabinet enclosure **80**, a bracket system is provided, as further described below.

(73) Referring now to FIG. **3**A, the refrigerator **10** is shown with a side-mounting bracket system **82** shown exploded away from the outer surface **47** of the first sidewall **46** of the refrigerator **10**. In

the embodiment shown in FIG. **3**A, the side-mounting bracket system **82** includes a mounting bracket **90** and a trim member **92**. Both the mounting bracket **90** and the trim member **92** are elongate members configured to couple to one another. Specifically, the mounting bracket **90** is contemplated to be comprised of a metal material suitable for welding to the outer surface **47** of the first sidewall **46** of the refrigerator **10**. In this way, the mounting bracket **90** can be fixedly coupled to the outer surface **47** of the first sidewall **46** of the refrigerator **10**. Once the mounting bracket **90** is mounted on the refrigerator **10**, the trim member **92** can then be mounted to the mounting bracket **90**. In the embodiment shown in FIG. **3**A, the trim member **92** is mounted to the mounting bracket **90** using fasteners, as further described below.

(74) Referring now to FIG. **3**B, the trim member **92** is shown mounted to the first sidewall **46** of the external wrapper **20** of the refrigerator **10**. Mounting of the trim member **92** to the refrigerator **10** is further described in more detail below. In FIG. **3**C, the refrigerator **10** is shown received within the cabinet structure **60**.

(75) Referring now to FIG. **4**, the mounting bracket **90** is shown from a crossectional view. As shown in the FIG. **4**, the mounting bracket **90** includes an inner wall **94** spaced-apart from an outer wall **96** with a first sidewall **98** interconnecting the inner wall **94** and the outer wall **96**. A second sidewall **99** extends outwardly from the inner wall **94** of the mounting bracket **90** towards the outer wall **96** of the mounting bracket **90**. A channel **100** is defined between the inner wall **94**, the outer wall **96** and the first and second sidewalls **98**, **99**. The inner wall **94** and the outer wall **96** both extend in a forward direction from the first sidewall **98**, in the embodiment shown in FIG. **4**. A plurality of apertures **102** is provided through the outer wall **96**, as best shown in FIG. **3**A as apertures **104**, **106**, **108** and **110** which are vertically spaced-apart along a length of a body portion **112** of the mounting bracket **90**. Each aperture **104**, **106**, **108** and **110** of the plurality of apertures **102** opens into the channel **100**. Thus, the mounting bracket **90** includes the body portion **112** having first and second ends **114**, **116**, such that the mounting bracket **90** is contemplated to be comprised of an extruded or roll-formed sheet metal material that is shaped into the inner wall **94**, the outer wall **96** and the first and second sidewalls **98**, **99**. The second end **116** of the body portion **112** is disposed on the second sidewall **99**, and is spaced-apart from the outer wall **96** of the mounting bracket **90** to define an opening **118** into the channel **100** of the mounting bracket **90**. With reference to FIG. **3**A, the body portion **112** of the mounting bracket **90** includes upper and lower ends **120**, **122**, and it is contemplated that the opening **118** of the mounting bracket **90** runs the length of the body portion **112** between the upper and lower ends **120**, **122**. The inner wall **94** and the outer wall **96** of the mounting bracket **90** are generally planar walls that run substantially parallel to one another, and include respective outer surfaces **95**, **97**. The outer surface **95** of the inner wall **94** is configured to abut the outer surface **47** of the first sidewall **46** of the refrigerator **10** in assembly, and is contemplated to be welded thereto to fixedly couple the mounting bracket **90** to the refrigerator **10**.

(76) Referring now to FIG. **5**, the trim member **92** is shown from a crossectional view. As shown in the FIG. **5**, the trim member **92** includes an overall body portion **124** with first and second mounting portions **126**, **128** and an abutment portion **130** that is inwardly offset from the first and second mounting portions **126**, **128**. The first mounting portion **126** includes a plurality of apertures **132** disposed therethrough. The plurality of apertures **132** is best shown in FIG. **3**A as apertures **134**, **136**, **138** and **140** which are vertically spaced-apart along a length of the overall body portion **124** of the trim member **92**. The apertures **134**, **136**, **138** and **140** of the plurality of apertures **132** of the trim member **92** are configured to align with the apertures **104**, **106**, **108** and **110** of the plurality of apertures **102** of the mounting bracket **90** to define aligned mounting apertures therebetween, as further described below. An inner surface **127** of the first mounting portion **126** abuts the outer surface **97** of the outer wall **96** of the mounting bracket **90** in assembly, as best shown in FIGS. **7**-**10**. A portion of an inner surface **131** of the abutment portion **130** is configured to abut the outer surface **47** of the first sidewall **46** of the refrigerator **10** in assembly. The second

mounting portion **128** includes a plurality of apertures **142** disposed therethrough as best shown in FIG. **3**A as apertures **143**, **144**, **146**, **148**, **150**, **152** and **153** which are vertically spaced-apart along a length of the overall body portion **124** of the trim member **92**. The second mounting portion **128** includes an outer surface **129** that extends over the first mounting portion **126**, and is configured to abut the inner surface **67** of the first sidewall **66** of the cabinet enclosure **80**, as best shown in FIG. **9**. The apertures **143**, **144**, **146**, **148**, **150**, **152** and **153** of the plurality of apertures **142** of the trim member **92** are used to couple the trim member **92** to the cabinet structure **60** using fasteners, as further described below. The first mounting portion **126** is disposed rearward from the second mounting portion **128**. Thus, the first mounting portion **126** may be referred to herein as the rear mounting portion, while the second mounting portion **128** may be referred to herein as the front mounting portion. It is contemplated that any number of apertures can be used with the trim member **92** to mount the same to the cabinet structure **60** and the mounting bracket **90**. Similarly, it is contemplated that any number of apertures can be used with the mounting bracket **90** for mounting the trim member **92** thereto.

(77) With further reference to FIG. **3**A, the trim member **92** includes the overall body portion **124** having upper and lower ends **156**, **158**, with the plurality of apertures **142** vertically spaced-apart along a length thereof. Apertures **143**, **144**, **146**, **148**, **150**, **152** and **153** of the plurality of apertures **142** are positioned adjacent to a front edge **160** of the trim member **92**. The upper end **156** of the trim member **92** includes an upper mounting aperture **166**, and the lower end **158** of the trim member **92** includes a lower mounting aperture **168**. The upper mounting aperture **166** is configured to couple to an upper bracket system, as further described below. The lower mounting aperture **168** is configured to couple to the machine room cover **56**, as further described below. With reference to FIG. **3**B, the overall body portion **124** of the trim member **92** shows the upper end **156** thereof extending above the top wall **42** of the external wrapper **20**, such that the same is accessible for mounting to an upper bracket system. With further reference to FIG. **3**B, the overall body portion **124** of the trim member **92** shows the lower end **158** thereof extending below the vacuum insulated cabinet structure **12** to abut the machine room cover **56** In this way, the lower mounting aperture **168** is accessible for mounting to a mounting aperture **468** of the machine room cover **56** in assembly.

(78) As further shown in FIG. **3**B, a second trim member **92**A is shown mounted to the second sidewall **48** of the external wrapper **20**. The second trim member **92**A is contemplated to be a mirror image of the first trim member **92**, such that like reference numerals are provided thereon to indicate common features shared between the trim members **92**, **92**A. As shown in FIG. **3**B, the front edge **160** of the second trim member **92**A extends outwardly from the front edge **53** of the vacuum insulated cabinet structure **12** of the refrigerator **10**. In this way, the plurality of apertures **132** of the second trim member **92**A are accessible in an outboard manner relative to the front edge **53** of the vacuum insulated cabinet structure **12** of the refrigerator **10** when the refrigerator **10** is received in the cabinet enclosure **80** of the cabinet structure **60**. With the access to the plurality of apertures **132** of the first and second trim members **92**, **92**A, the same can be securely fastened to the cabinet structure **60** using fasteners after the refrigerator **10** is positioned within the cabinet structure **60**. Thus, while not shown in FIG. **3**C, the same outboard configuration is also provided for the plurality of apertures **132** of trim member **92** for coupling to the cabinet structure **60** when the refrigerator **10** is disposed within the cabinet enclosure **80** of the cabinet structure **60**, as shown in FIG. **3**C and further described below with reference to FIGS. **9**-**10**. In FIG. **3**C, the refrigerator **10** is received within the cabinet enclosure **80** of the cabinet structure **60** with the trim members **92**, **92**A coupled on opposite sides thereof and ready for fastening to the first and second sidewalls **66**, **68** of the cabinet structure **60**, respectively.

(79) With further reference to FIG. **5**, the trim member **92** is shown with the first mounting portion **126** having a body portion **170** with a thickness **172**. The second mounting portion **128** is shown having a body portion **174** with a thickness **176**. The abutment portion **130** is shown having a body

portion **178** with a thickness **180**. Together, the collective body portions **170**, **174**, **178** make up the overall body portion **124** of the trim member **92**. The thickness **172** of the body portion **170** of the first mounting portion **126** is less than the thickness **176** of the body portion **174** of the second mounting portion **128**, and is less than the thickness **180** of the body portion **178** of the abutment portion **130**. As shown in FIG. **5**, the second mounting portion **128** includes a tab **182** inwardly extending from an inner surface **133** of the second mounting portion **128**. The tab **182** includes a distal end **184** which may abut an outer portion of the external wrapper **20** of the refrigerator **10** in assembly. The trim member **92** further includes an inwardly angled transverse portion **185** disposed between the first mounting portion **126** and the abutment portion **130** which inwardly offsets the abutment portion **130** relative to the first and second mounting portions **126**, **128**. The inner surface **131** of the abutment portion **130** of the trim member **92** includes first and second abutment locations **131**A, **131**B that are configured to abut the outer surface **47** of the first sidewall **46** of the refrigerator **10** in assembly, as best shown in FIGS. **7**-**10**. An outwardly extending interconnecting web **186** is disposed between and interconnects the first and second abutment locations **131**A, **131**B of the abutment portion **130** of the trim member **92**.

(80) Referring now to FIG. **6**, the mounting bracket **90** is shown coupled to the outer surface **47** of the first sidewall **46** of the external wrapper **20** of the refrigerator **10**. As noted above, it is contemplated that the mounting bracket **90** is a metal bracket configured for welding to the first sidewall **46** of the external wrapper **20**, which is also contemplated to be comprised of a metal material. As such, the mounting bracket **90** is fixedly coupled to the first sidewall **46** of the external wrapper **20**. In the embodiment shown in FIG. **6**, the mounting bracket **90** does not extend above or below the first sidewall **46** of the external wrapper **20**, as mounted thereto. With the mounting bracket **90** coupled to the first sidewall **46** of the external wrapper **20**, the apertures **104**, **106**, **108** and **110** of the plurality of apertures **102** disposed on the outer wall **96** of the mounting bracket **90** are exposed and ready for alignment with the apertures **134**, **136**, **138** and **140** of the trim member **92**. As noted above, apertures **134**, **136**, **138** and **140** of the trim member **92** are configured to align with the apertures **104**, **106**, **108** and **110** of the mounting bracket **90** to define aligned mounting apertures therebetween. When the above-noted apertures (**104**, **106**, **108** and **110** of the mounting bracket **90**, and **134**, **136**, **138** and **140** of the trim member **92**) are aligned, a fastener is received therethrough to couple the trim member **92** to the mounting bracket **90**, as best shown in FIGS. **7**-**8**. The apertures **104**, **106**, **108** and **110** of the plurality of apertures **102** disposed on the outer wall **96** of the mounting bracket **90** are configured to receive a threaded insert **200**, as shown in the zoomed in portion of FIG. **6**. The threaded insert **200** may be welded into place, or could also be a friction fit or self-cinching member, such as a swage nut. The threaded insert **200** includes a threaded inner cavity **202** that is configured to threadingly engage a threaded fastener.

(81) As further shown in FIG. **6**, the first sidewall **46** of the cabinet structure **60** is shown exploded away from the trim member **92**. The apertures **143**, **144**, **146**, **148**, **150**, **152** and **153** of the plurality of apertures **142** of the trim member **92** are used to couple the trim member **92** to the first sidewall **46** cabinet structure **60** using fasteners, as best shown in FIGS. **9**-**10**. Thus, the front edge **160** of the trim member **92** is outwardly positioned relative to the front edge **53** of the vacuum insulated cabinet structure **12** of the refrigerator **10**, as shown in FIGS. **7**-**10**. As noted above, apertures **143**, **144**, **146**, **148**, **150**, **152** and **153** of the plurality of apertures **142** of the trim member **92** are positioned adjacent to the front edge **160** of the trim member **92**. In this way, the apertures **143**, **144**, **146**, **148**, **150**, **152** and **153** of the plurality of apertures **142** of the trim member **92** are accessible when the refrigerator **10** is positioned within the cabinet enclosure **80** for fastening the trim member **92** to the cabinet structure **60**, as shown in FIG. **3**C.

(82) Referring now to FIG. **7**, a cross-sectional view of the refrigerator **10** of FIG. **6** is shown with the trim member **92** positioned in an abutting position relative to the mounting bracket **90** for mounting the trim member **92** on the mounting bracket **90**. Specifically, the outer wall **96** of the mounting bracket **90** abuts the inner surface **127** of the first mounting portion **126** of the trim

member **92**. Further, as shown in FIG. **7**, the inner wall **94** of the mounting bracket **90** abuts the outer surface **47** of the first sidewall **46** of the external wrapper **20**, as welded thereto. By welding the mounting bracket **90** to the outer surface **47** of the first sidewall **46** of the external wrapper **20**, the mounting bracket **90** is securely mounted thereto without using fasteners which may pierce the external wrapper **20** and thereby cause the vacuum cavity **54** to lose its negative pressure, and its enhanced insulating properties as well. As further shown in FIG. **7**, with the trim member **92** positioned on the mounting bracket **90**, the abutment portion **130** of the trim member **92** includes the first and second abutment locations **131**A, **131**B which are shown abutting the outer surface **47** of the first sidewall **46** of the external wrapper **20**. As further shown in FIG. **7**, the external wrapper **20** and the liner **18** are interconnected by the trim breaker **52** in a sealed manner to define the vacuum cavity **54** of the vacuum insulated cabinet structure **12** therebetween.

(83) With the trim member **92** positioned on the mounting bracket **90**, aperture **104** of the mounting bracket **90** aligns with aperture **134** of the trim member **92** to define a first set of aligned apertures **104**A. A fastener **204** includes a head portion **206** and a threaded shaft portion **208**. The threaded shaft portion **208** is contemplated to have a complimentary thread pattern relative to the threaded inner cavity **202** of the threaded insert **200** to threadingly engage the same, as shown in FIG. **8**. As such, it is contemplated that the fastener **204** may be a machine screw, or other like fastener. With reference to FIG. **8**, the head portion **206** of the fastener **204** abuts the outer surface **129** of the first mounting portion **126** of the trim member **92** to secure the trim member **92** to the mounting bracket **90**. Aperture **104** of the mounting bracket **90** is shown aligned with aperture **134** of the trim member **92** in FIGS. **7** and **8**, however, it is contemplated that apertures **106**, **108** and **110** (which are spaced-apart along a length of the mounting bracket **90**) are also aligned with respective apertures **136**, **138** and **140** (which are spaced-apart along a length of the trim member **92**) to securely mount the trim member **92** to the mounting bracket **90** using fasteners, like fastener **204**.

(84) Referring now to FIG. **9**, the refrigerator **10** is positioned adjacent to the first sidewall **66** of the cabinet structure **60**, as the refrigerator **10** is received in the cabinet enclosure **80** of the cabinet structure **60**, as best shown in FIG. **3**C. As shown in FIG. **9**, the front edge **160** of the trim member **92** extends outwardly from the front edge **53** of the vacuum insulated cabinet structure **12** of the refrigerator **10**. In this way, the plurality of apertures **132** of the trim member **92** are accessible when the refrigerator **10** is received in the cabinet enclosure **80** of the cabinet structure **60**. As shown in FIG. **9**, a fastener **210** includes a head portion **212** and a threaded shaft portion **214**. The threaded shaft portion **214** is contemplated to have a threaded pattern configured to engage the first sidewall **66** of the cabinet structure **60**. It is contemplated that the cabinet structure **60** is comprised of a wood material, or other like composite material, suitable for receiving a fastener, such as fastener **210**. As such, it is contemplated that the fastener **210** may be a self-tapping screw or wood screw. With reference to FIG. **10**, the head portion **212** of the fastener **210** abuts the inner surface **133** of the second mounting portion **128** of the trim member **92** to secure the trim member **92** to the first sidewall **66** of the cabinet structure **60**. The aperture **144** is shown being used to fasten the trim member **92** to the first sidewall **66** of the cabinet structure **60** in FIG. **10**. It is further contemplated that apertures **146**, **148**, **150** and **152** (which are spaced-apart along a length of the trim member **92**) of the plurality of apertures **142** also align with the inner surface **67** of the first sidewall **66** of the cabinet structure **60** to securely mount the trim member **92** to the first sidewall **66** of the cabinet structure **60** using fasteners, like fastener **210**.

(85) As shown in FIGS. **7-10**, the inner surface **127** of the first mounting portion **126** of the trim member **92** abuts the outer surface **97** of the outer wall **96** of the mounting bracket **90** in assembly. Similarly, the outer surface **95** of the inner wall **94** of the mounting bracket **90** abuts the outer surface **47** of the first sidewall **46** of the refrigerator **10** in assembly.

(86) Referring now to FIG. **11**, the refrigerator **10** is shown with another side-mounting bracket system **82**A shown exploded away from the outer surface **47** of the first sidewall **46** of the refrigerator **10**. In the embodiment shown in FIG. **11**, the side-mounting bracket system **82**A

includes a mounting bracket **90**A and trim member **92** that is contemplated to be the same or similar to trim member **92** described above. The mounting bracket **90**A is contemplated to be comprised of a metal material suitable for welding to the outer surface **47** of the first sidewall **46** of the refrigerator **10**. Once the mounting bracket **90**A is mounted on the refrigerator **10**, the trim member **92** can then be mounted to the mounting bracket **90**. In the embodiment shown in FIG. **11**, the trim member **92** is mounted to the mounting bracket **90**A using a channel-lock system, as further described below. The trim member **92** of side-mounting bracket system **82**A connects to the cabinet structure **60** in the same manner as trim member **92** of side-mounting bracket system **82** described above, with specific reference to FIGS. **9**-**10**.

(87) Referring now to FIG. **12**, the mounting bracket **90**A is shown from a crossectional view. As shown in the FIG. **12**, the mounting bracket **90**A includes an inner wall **220** spaced-apart from an outer wall **222** with a sidewall **224** interconnecting the inner wall **220** and the outer wall **222**. A channel **226** is defined between the inner wall **220**, the outer wall **222** and the sidewall **224**. The inner wall **220** and the outer wall **222** of the mounting bracket **90**A both extend in a rearward direction from the sidewall **224**, in the embodiment shown in FIG. **12**. A plurality of slots **230** is provided through the outer wall **222**, as best shown in FIG. **11** as slots **234**, **236**, **238** and **240** which are vertically spaced-apart along a length of the mounting bracket **90**A. Each slot **234**, **236**, **238** and **240** of the plurality of slots **230** opens into the channel **226** of the mounting bracket **90**A. With further reference to FIG. **12**, the mounting bracket **90**A includes a body portion **242** having first and second ends **244**, **246**, such that the mounting bracket **90**A is contemplated to be comprised of an extruded or roll-formed sheet metal material that is shaped into the inner wall **220**, the outer wall **222** and the sidewall **224** thereof. The body portion **242** of the mounting bracket **90**A includes upper and lower ends **250**, **252**, as best shown in FIG. **11**. With further reference to FIG. **12**, the inner wall **220** and the outer wall **222** of the mounting bracket **90**A are generally planar walls that run substantially parallel to one another, and include respective outer surfaces **221**, **223**. The outer surface **221** of the inner wall **220** is configured to abut the outer surface **47** of the first sidewall **46** of the external wrapper **20** of the refrigerator **10** in assembly, and is contemplated to be welded thereto to fixedly couple the mounting bracket **90**A to the refrigerator **10**. The outer surface **223** of the outer wall **222** is configured to abut the inner surface **127** of the first mounting portion **126** of the trim member **92**, as further described below. The outer wall **222** of the mounting bracket **90**A further includes an inner surface **225**.

(88) Referring now to FIG. **13**, the slot **234** of the plurality of slots **230** is shown disposed through the outer wall **222** of the mounting bracket **90**A. The slot **234**, as shown in FIG. **13**, is representative of slots **236**, **238** and **240**, with regards to configuration. As shown in FIG. **13**, the slot **234** includes a first end **260** and a second end **262**, which are both vertically and horizontally spaced-apart from one another. The first end **260** of the slot **234** includes an enlarged opening **264** which is configured to receive the head of a stud insert, as further described below. The enlarged opening **264** opens into a first portion **266** of the slot **234** which is generally disposed in a horizontal configuration. The slot **234** further includes a second portion **268** which is generally disposed in a vertical configuration, and which extends upwardly from the second end **262** towards the first portion **266** to interconnect with the first portion at a junction **266**A disposed between the first and second portions **266**, **268**. In this way, the slot **234** includes an overall inverted L-shaped configuration. The enlarged opening **264** of the slot **234** includes a width **265** that is greater than a width **267** of the first portion **266** of the slot **234**, and which is greater than a width **269** of the second portion **268** of the slot **234**. It is contemplated that the widths **267** and **269** of the first and second portions **266**, **268** of the slot **234** may be equal to one another. The widths **265**, **267** and **269** of the slot **234** provide for a configuration that is suited for retaining a stud of the trim member **92** in a keyhole-style configuration, as further described below.

(89) As noted above, and with reference to FIG. **3**A, the first mounting portion **126** of the trim member **92** includes a plurality of apertures **132** disposed therethrough. The apertures **134**, **136**,

**138** and **140** of the plurality of apertures **132** are vertically spaced-apart along a length of the trim member **92**, such that the apertures **134**, **136**, **138** and **140** of the trim member **92** are configured to align with the slots **234**, **236**, **238** and **240**, respectively, of the mounting bracket **90**A in assembly.

(90) Referring now to FIG. **14**, the trim member **92** is shown having a stud insert **270** positioned within aperture **134**. The stud insert **270** includes a head portion **272** and a rear portion **274** with a shaft portion **276** disposed therebetween. The rear portion **274** may abut or be flush with the outer surface **129** of the first mounting portion **126** of the trim member **92**. The shaft portion **276** extends inwardly from the inner surface **127** of the first mounting portion **126**, such that the head portion **272** of the stud insert **270** is inwardly spaced-apart from the first mounting portion **126** of the trim member **92**. The stud insert **270** may be welded into place, or could also be a friction fit or self-cinching member, such as a swage stud, that is fixedly disposed on the aperture **134** of the trim member **92**. The width of the head portion **272** is greater than the width of the shaft portion **276**. In this way, it is contemplated that the head portion **272** of the stud insert **270** can be received within the enlarged opening **264** of the first end **260** of the slot **234** of the mounting bracket **90**A, and then abut the inner surface **225** of the outer wall **222** of the mounting bracket **90**A as the stud insert **270** is moved along the first and second portions **266**, **268** of the slot **234** from the first end **260** towards second end **262**. As such, the relative movement of the stud insert **270**, and the trim member **92** to which it is attached, includes an inward movement in a first direction as indicated by arrow D**1** (FIG. **13**) to insert the head portion **272** of the stud insert **270** through the enlarged opening **264** of the first and **260** of the slot **234** of the mounting bracket **90**A. From there, the stud insert **270**, and the trim member **92** to which it is attached, moves rearward in the direction as indicated by arrow D**2** (FIG. **13**) until the shaft portion **276** of the stud insert **270** reaches the junction **266**A disposed between the first and second portions **266**, **268** of the slot **234**. From the junction **266**A, the stud insert **270**, and the trim member **92** to which it is attached, moves downward in the direction as indicated by arrow D**3** (FIG. **13**) until it reaches the second end **262** of the slot **234**. With the shaft portion **276** of the stud insert **270** disposed at the second end **262** of the slot **234** of the mounting bracket **90**A, the trim member **92** is contemplated to be in-place on the refrigerator **10**, in a similar mounted configuration as shown in FIG. **3**B with reference to trim member **92** of side-mounting bracket system **82**. In this way, the engagement between the stud insert **270** and the slot **234** serves to releasably couple the trim member **92** to the mounting bracket **90**A.

(91) Referring now to FIG. **15**, the trim member **92** is shown mounted on the mounting bracket **90**A. As mounted thereto, the stud insert **270** is received in the slot **234**, such that the head portion **272** of the stud insert **270** abuts the inner surface **225** of the outer wall **222** of the mounting bracket **90**A. In this way, the trim member **92** is retained in-place on the mounting bracket **90**A, which is contemplated to be welded to the refrigerator **10**. As shown in FIG. **15**, the inner surface **127** of the first mounting portion **126** of the trim member **92** abuts the outer surface **223** of the outer wall **222** of the mounting bracket **90**A in assembly. Similarly, the outer surface **221** of the inner wall **220** of the mounting bracket **90**A abuts the outer surface **47** of the first sidewall **46** of the refrigerator **10** in assembly.

(92) Referring now to FIG. **16**, the refrigerator **10** is shown with another side-mounting bracket system **82**B shown exploded away from the outer surface **47** of the first sidewall **46** of the refrigerator **10**. In the embodiment shown in FIG. **16**, the side-mounting bracket system **82**B includes a mounting bracket **90**B and trim member **92**B that is contemplated to be similar to trim member **92** described above. The mounting bracket **90**B is contemplated to be comprised of a metal material suitable for welding to the outer surface **47** of the first sidewall **46** of the refrigerator **10**. Once the mounting bracket **90**B is mounted on the refrigerator **10**, the trim member **92**B can then be mounted to the mounting bracket **90**B, as further described below. The trim member **92**B of side-mounting bracket system **82**B is contemplated to connect to the cabinet structure **60** in the same manner as trim member **92** described above with reference to FIGS. **9**-**10**.

(93) Referring now to FIG. **17**, the mounting bracket **90**B is shown from a crossectional view.

Mounting bracket **90**B includes a number of features in common with mounting bracket **90**A described above. As such, reference numerals used to describe mounting bracket **90**A will be used to describe mounting bracket **90**B to indicate common features shared between mounting brackets **90**A and **90**B. As shown in the FIG. **17**, the mounting bracket **90**B includes an inner wall **220** spaced-apart from an outer wall **222** with a sidewall **224** interconnecting the inner wall **220** and the outer wall **222**. A channel **226** is defined between the inner wall **220**, the outer wall **222** and the sidewall **224**. The inner wall **220** and the outer wall **222** of the mounting bracket **90**B both extend in a rearward direction from the sidewall **224**, in the embodiment shown in FIG. **17**. The mounting bracket **90**B includes a body portion **242** having first and second ends **244**, **246**, such that the mounting bracket **90**B is contemplated to be comprised of an extruded or roll-formed sheet metal material that is shaped into the inner wall **220**, the outer wall **222** and the sidewall **224** thereof. With reference to FIG. **16**, the mounting bracket **90**B includes a plurality of tabs **280** comprised of tabs **282**, **284**, **286** and **288** which are vertically spaced-apart from one another along a length of the body portion **242** of the mounting bracket **90**B and outwardly extending from the second end **246** of the mounting bracket **90**B. Each tab **282**, **284**, **286** and **288** of the plurality of tabs **280** is slightly inwardly disposed relative to the outer wall **222** by a transitional portion **300**. The body portion **242** of the mounting bracket **90**B further includes upper and lower ends **250**, **252**, as best shown in FIG. **16**. With further reference to FIG. **17**, the inner wall **220** and the outer wall **222** of the mounting bracket **90**B are generally planar walls that run substantially parallel to one another, and include respective outer surfaces **221**, **223**. The outer surface **221** of the inner wall **220** is configured to abut the outer surface **47** of the first sidewall **46** of the external wrapper **20** of the refrigerator **10** in assembly, and is contemplated to be welded thereto to fixedly couple the mounting bracket **90**B to the refrigerator **10**. The outer surface **223** of the outer wall **222** is configured to abut the inner surface **127** of the first mounting portion **126** of the trim member **92**B, as further described below.

(94) Referring now to FIG. **18**, the tab **282** of the plurality of tabs **280** is shown rearwardly extending from the outer wall **222** of the mounting bracket **90**B. The tab **282**, as shown in FIG. **18**, is representative of tabs **284**, **286** and **288** with regards to configuration. As shown in FIG. **18**, the tab **282** includes a body portion **302** having an upper edge **304** and a lower edge **306** to define a width **308** of the tab **282**. The tab **282** further includes a rear edge **310** disposed adjacent to the transitional portion **300**, and a front edge **312**. The front edge **312** of the tab **282** defines a distal most end of the tab **282**. The body portion **302** of the tab **282** includes an outer surface **303**A and an inner surface **303**B.

(95) With reference to FIG. **16**, the trim member **92**B includes a plurality of slots **290** disposed therethrough. The slots **292**, **294**, **296** and **298** of the plurality of slots **290** are vertically spaced-apart along a length of the trim member **92**B, such that the slots **292**, **294**, **296** and **298** of the trim member **92**B are configured to align with the tabs **282**, **284**, **286** and **288**, respectively, of the mounting bracket **90**B. In this way, the tabs **282**, **284**, **286** and **288** of the mounting bracket **90**B can be received through the slots **292**, **294**, **296** and **298** of the trim member **92**B in assembly. It is contemplated that the slots **292**, **294**, **296** and **298** of the trim member **92**B include a width that is commensurate with the width **308** of the tab **282**, such that the reception of the tabs **282**, **284**, **286** and **288** through the slots **292**, **294**, **296** and **298** restricts vertical movement of the trim member **92**B when mounted to the mounting bracket **90**B.

(96) Referring now to FIG. **19**, the trim member **92**B is shown mounted on the mounting bracket **90**B, which is mounted on the refrigerator **10** at the outer surface **47** of the first sidewall **46** of the external wrapper **20**. With the trim member **92**B mounted on the mounting bracket **90**B, the tabs **282**, **284**, **286** and **288** of the mounting bracket **90**B are shown extending through the respective slots **292**, **294**, **296** and **298** of the trim member **92**B.

(97) Referring now to FIG. **20**, the trim member **92**B is shown mounted on the mounting bracket **90**B in a cross-sectional view. As mounted thereto, the tab **282** of the mounting bracket **90**B is received through the slot **292** of the trim member **92**B. As further shown in FIG. **20**, the slot **292** of

the trim member **92**B is positioned at the inwardly angled transverse portion **185** of the trim member **92**B. In this way, the inner surface **303**B of the tab **282** abuts an outer surface **135** of the abutment portion **130** of the trim member **92**B. As shown in FIG. **20**, the inner surface **127** of the first mounting portion **126** of the trim member **92**B abuts the outer surface **223** of the outer wall **222** of the mounting bracket **90**B in assembly. Similarly, the outer surface **221** of the inner wall **220** of the mounting bracket **90**B abuts the outer surface **47** of the first sidewall **46** of the refrigerator **10** in assembly.

(98) Referring now to FIG. **21**, the slot **292** includes a front edge **292**A and a rear edge **292**B which abut the outer surface **303**A and the inner surface **303**B, respectively, of the body portion **302** of the tab **282** on opposite sides of the tab **282**. This abutting engagement provides for a low tolerance fit between the mounting bracket **90**B and the trim member **92**B to help prevent rotational movement of the trim member **92**B as mounted to the mounting bracket **90**B.

(99) Referring now to FIG. **22**, the refrigerator **10** is shown with another side-mounting bracket system **82**C shown exploded away from the outer surface **47** of the first sidewall **46** of the refrigerator **10**. In the embodiment shown in FIG. **22**, the side-mounting bracket system **82**C includes a mounting bracket **90**C and trim member **92**C that is contemplated to be similar to trim member **92**B described above. The mounting bracket **90**C is contemplated to be comprised of a metal material suitable for welding to the outer surface **47** of the first sidewall **46** of the refrigerator **10**. Once the mounting bracket **90**C is mounted on the refrigerator **10**, the trim member **92**C can then be mounted to the mounting bracket **90**C, as further described below. The trim member **92**C of side-mounting bracket system **82**C connects to the cabinet structure **60** in the same manner as trim member **92** described above with reference to FIGS. **9**-**10**.

(100) Referring now to FIG. **23**, the mounting bracket **90**C is shown from a top perspective view. Mounting bracket **90**C includes a number of features in common with mounting bracket **90**A described above. As such, reference numerals used to describe mounting bracket **90**A will be used to describe mounting bracket **90**C to indicate like features. As shown in the FIG. **23**, the mounting bracket **90**C includes an inner wall **220** spaced-apart from an outer wall **222** with a sidewall **224** interconnecting the inner wall **220** and the outer wall **222**. The inner wall **220** and the outer wall **222** of the mounting bracket **90**C both extend in a rearward direction from the sidewall **224**, in the embodiment shown in FIG. **23**. A channel **226** is defined between the inner wall **220**, the outer wall **222** and the sidewall **224**. The mounting bracket **90**C includes a body portion **242** having first and second ends **244**, **246**, such that the mounting bracket **90**C is contemplated to be comprised of an extruded or roll-formed sheet metal material that is shaped into the inner wall **220**, the outer wall **222** and the sidewall **224** thereof. With reference to FIG. **22**, the mounting bracket **90**C includes a plurality of hook members **320** comprised of hook members **322**, **324** and **326** which are spaced-apart from one another along a length of the body portion **242** of the mounting bracket **90**C. Each hook member **322**, **324** and **326** of the plurality of hook members **320** includes an upwardly extending tab **330** disposed over an open aperture **328** as best shown in FIG. **23**. The upwardly extending tab **330** is outwardly disposed relative to the outer wall **222** of the mounting bracket **90**C by a transitional portion **332** to define a spacing **334** between the upwardly extending tab **330** and the outer wall **222** of the mounting bracket **90**C.

(101) With further reference to FIG. **23**, the inner wall **220** and the outer wall **222** of the mounting bracket **90**C are generally planar walls that run substantially parallel to one another, and include respective outer surfaces **221**, **223**. The outer surface **221** of the inner wall **220** is configured to abut the outer surface **47** of the first sidewall **46** of the external wrapper **20** of the refrigerator **10** in assembly, and is contemplated to be welded thereto to fixedly couple the mounting bracket **90**C to the refrigerator **10**. The outer surface **223** of the outer wall **222** is configured to abut the inner surface **127** of the first mounting portion **126** of the trim member **92**C, as further described below. The hook member **322** of the plurality of hook members **320**, as shown in FIG. **23**, is representative of hook members **324** and **326** with regards to configuration. As shown in FIG. **23**, the upwardly

extending tab **330** of hook member **322** includes a body portion **336** having an upper edge **337**, and first and second side edges **338**, **339**. Together, the first and second side edges **338**, **339** define a width **341** of the hook member **322**. The body portion **336** of the hook member **322** includes an outer surface **337**A and an inner surface **337**B.

(102) With further reference to FIG. **22**, the first mounting portion **126** of the trim member **92**C includes a plurality of cutouts **340** disposed therethrough. The cutouts **342**, **344** and **346** of the plurality of cutouts **340** are vertically spaced-apart along a length of the trim member **92**C, such that the cutouts **342**, **344** and **346** of the trim member **92**C are configured to align with the hook members **322**, **324** and **326**, respectively, of the mounting bracket **90**C. In this way, the hook members **322**, **324** and **326** of the mounting bracket **90**C can be received through the cutouts **342**, **344** and **346** of the trim member **92**C in assembly. The cutouts **342**, **344** and **346** of the trim member **92**C define open apertures disposed through the first mounting portion **126** of the trim member **92**C. In FIG. **22**, the cutouts **342**, **344** and **346** are square-shaped cutouts, however, other shapes are contemplated for the cutouts **342**, **344** and **346**. The cutouts **342**, **344** and **346** of the trim member **92**C may include a width that is commensurate with the width **341** (FIG. **23**) of hook member **322**, such that the reception of the hook members **322**, **324** and **326** through the respective cutouts **342**, **344** and **346** restricts lateral movement of the trim member **92**C when mounted to the mounting bracket **90**C.

(103) Referring now to FIG. **24**, the trim member **92**C is shown mounted on the mounting bracket **90**C, which is mounted on the refrigerator **10** at the outer surface **47** of the first sidewall **46** of the external wrapper **20**. With the trim member **92**C mounted on the mounting bracket **90**C, the hook members **322**, **324** and **326** of the mounting bracket **90**C are shown extending through the respective cutouts **342**, **344** and **346** of the trim member **92**C.

(104) Referring now to FIG. **25**, the trim member **92**C is shown mounted on the mounting bracket **90**C in a cross-sectional view. As mounted thereto, the hook member **322** of the mounting bracket **90**C is received through the cutout **342** of the trim member **92**C. As further shown in FIG. **25**, the inner surface **127** of the first mounting portion **126** of the trim member **92**C abuts the outer surface **223** of the outer wall **222** of the mounting bracket **90**C in assembly. Similarly, the outer surface **221** of the inner wall **220** of the mounting bracket **90**C abuts the outer surface **47** of the first sidewall **46** of the refrigerator **10** in assembly.

(105) Referring now to FIG. **26**, the refrigerator **10** is shown with another side-mounting bracket system **82**D shown exploded away from the outer surface **47** of the first sidewall **46** of the refrigerator **10**. In the embodiment shown in FIG. **26**, the side-mounting bracket system **82**D includes a mounting bracket **90**D and a trim member **92**D that is contemplated to be similar to the trim member **92**C described above. The mounting bracket **90**D is contemplated to be comprised of a metal material suitable for welding to the outer surface **47** of the first sidewall **46** of the refrigerator **10**. Once the mounting bracket **90**D is mounted on the refrigerator **10**, the trim member **92**D can then be mounted to the mounting bracket **90**D, as further described below. The trim member **92**D of side-mounting bracket system **82**D connects to the cabinet structure **60** in the same manner as trim member **92** described above with reference to FIGS. **9**-**10**.

(106) Referring now to FIG. **27**, the mounting bracket **90**D is shown from a top perspective view. Mounting bracket **90**D includes a number of features in common with mounting bracket **90**C described above. As such, reference numerals used to describe mounting bracket **90**C will be used to describe mounting bracket **90**D to indicate like features. As shown in FIG. **27**, the mounting bracket **90**D includes an inner wall **220** spaced-apart from an outer wall **222** with a sidewall **224** interconnecting the inner wall **220** and the outer wall **222**. The inner wall **220** and the outer wall **222** of the mounting bracket **90**D both extend in a rearward direction from the sidewall **224**, in the embodiment shown in FIG. **27**. A channel **226** is defined between the inner wall **220**, the outer wall **222** and the sidewall **224**. The mounting bracket **90**D includes a body portion **242** having first and second ends **244**, **246**, such that the mounting bracket **90**D is contemplated to be comprised of an

extruded or roll-formed sheet metal material that is shaped into the inner wall **220**, the outer wall **222** and the sidewall **224** thereof. With reference to FIG. **26**, the mounting bracket **90**D includes a plurality of mounting flanges **350** comprised of mounting flanges **352**, **354** and **356** which are vertically spaced-apart from one another along a length of the body portion **242** of the mounting bracket **90**D. Each mounting flange **352**, **354** and **356** of the plurality of mounting flanges **350** includes an outwardly extending tab **360** disposed over an open aperture **358** as best shown in FIG. **27**. The outwardly extending tab **360** is outwardly disposed relative to the outer wall **222** of the mounting bracket **90**D by upper and lower transitional portions **362**, **364** to define a spacing **366** between the outwardly extending tab **360** and the outer wall **222** of the mounting bracket **90**D.

(107) With further reference to FIG. **27**, the inner wall **220** and the outer wall **222** of the mounting bracket **90**D are generally planar walls that run substantially parallel to one another, and include respective outer surfaces **221**, **223**. The outer surface **221** of the inner wall **220** is configured to abut the outer surface **47** of the first sidewall **46** of the external wrapper **20** of the refrigerator **10** in assembly, and is contemplated to be welded thereto to fixedly couple the mounting bracket **90**D to the refrigerator **10**. The outer surface **223** of the outer wall **222** is configured to abut the inner surface **127** of the first mounting portion **126** of the trim member **92**D, as further described below. The mounting flange **352** of the plurality of mounting flanges **350**, as shown in FIG. **27**, is representative of mounting flanges **354** and **356** with regards to configuration. As shown in FIG. **27**, the outwardly extending tab **360** of mounting flange **352** includes a body portion **370** having side edges **372**, **374** to define a width **376** of the mounting flange **352**.

(108) With reference to FIG. **26**, the first mounting portion **126** of the trim member **92**D includes a plurality of cutouts **380** disposed therethrough. The cutouts **382**, **384** and **386** of the plurality of cutouts **380** are vertically spaced-apart along a length of the trim member **92**D, such that the cutouts **382**, **384** and **386** of the trim member **92**D are configured to align with the mounting flanges **352**, **354** and **356**, respectively, of the mounting bracket **90**D. In this way, the mounting flanges **352**, **354** and **356** of the mounting bracket **90**D can be received through the cutouts **382**, **384** and **386** of the trim member **92**D in assembly. The cutouts **382**, **384** and **386** define open apertures disposed through the first mounting portion **126** of the trim member **92**D. In FIG. **26**, the cutouts **382**, **384** and **386** are square shaped cutouts, however, other shapes are contemplated for the cutouts **382**, **384** and **386**. The cutouts **382**, **384** and **386** of the trim member **92**D may include a width that is commensurate with the width **376** of mounting flange **352**, such that the reception of the mounting flanges **352**, **354** and **356** through the cutouts **382**, **384** and **386** restricts lateral movement of the trim member **92**D when mounted to the mounting bracket **90**D.

(109) Referring now to FIG. **28**, the trim member **92**D is shown mounted on the mounting bracket **90**D, which is mounted on the refrigerator **10** at the outer surface **47** of the first sidewall **46** of the external wrapper **20**. With the trim member **92**D mounted on the mounting bracket **90**D, the mounting flanges **352**, **354** and **356** of the mounting bracket **90**D are shown extending through the respective cutouts **382**, **384** and **386** of the trim member **92**D.

(110) Referring now to FIG. **29**, the trim member **92**D is shown mounted on the mounting bracket **90**D in a cross-sectional view. As mounted thereto, the mounting flange **352** of the mounting bracket **90**D is received through the cutout **382** of the trim member **92**D. Much like mounting bracket **90**C and trim member **92**C shown in FIG. **25**, the inner surface **127** of the first mounting portion **126** of the trim member **92**D is contemplated to abut the outer surface **223** of the outer wall **222** of the mounting bracket **90**D in assembly, and the outer surface **221** of the inner wall **220** of the mounting bracket **90**D is contemplated to abut the outer surface **47** of the first sidewall **46** of the refrigerator **10** in assembly.

(111) Referring now to FIG. **30**, the refrigerator **10** is shown with another side-mounting bracket system **82**E shown exploded away from the outer surface **47** of the first sidewall **46** of the refrigerator **10**. In the embodiment shown in FIG. **30**, the side-mounting bracket system **82**E includes a mounting bracket **90**E and trim member **92** that is contemplated to be similar, if not

identical, to trim member **92** described above with reference to FIGS. **3**A and **3**B. The mounting bracket **90**E is contemplated to be comprised of a metal material suitable for welding to the outer surface **47** of the first sidewall **46** of the refrigerator **10**. Once the mounting bracket **90**E is mounted on the refrigerator **10**, the trim member **92** can then be mounted to the mounting bracket **90**E, as further described below.

(112) Referring now to FIG. **31**, the mounting bracket **90**E is shown from a cross-sectional view. As shown in the FIG. **31**, the mounting bracket **90**E includes an inner wall **400** spaced-apart from an outer wall **402** with an intermediate wall **404** interconnecting the inner wall **400** and the outer wall **402**. As further shown in the FIG. **31**, the inner wall **400** projects in a forward direction relative to the intermediate wall **404**, while the outer wall **402** projects in a rearward direction relative to the intermediate wall **404**. The outer wall **402** is outwardly offset relative to the inner wall **400** by the intermediate wall **404**. The mounting bracket **90**E is contemplated to be comprised of an extruded or roll-formed sheet metal material that is shaped into the inner wall **400**, the outer wall **402** and the intermediate wall **404** thereof. The inner wall **400** and the outer wall **402** of the mounting bracket **90**E are generally planar walls that run substantially parallel to one another, and include respective outer surfaces **401**, **403**. The outer surface **401** of the inner wall **400** is configured to abut the outer surface **47** of the first sidewall **46** of the external wrapper **20** of the refrigerator **10** in assembly, and is contemplated to be welded thereto to fixedly couple the mounting bracket **90**E to the refrigerator **10**. The outer surface **403** of the outer wall **402** is configured to abut the inner surface **127** of the first mounting portion **126** of the trim member **92**, as further described below. The outer wall **402** further includes an inner surface **405**.

(113) With further reference to FIG. **30**, the mounting bracket **90**E includes a plurality of apertures **410** extending along a length thereof in a vertically spaced-apart relationship. The plurality of apertures **410** of the mounting bracket **90**E includes apertures **412**, **414**, **416**, **418**, **420** and **422** that are vertically spaced-apart from one another. Similarly, the first mounting portion **126** of the trim member **92** includes a plurality of apertures **430** extending along a length thereof in a vertically spaced-apart relationship. The plurality of apertures **430** of the trim member **92** includes apertures **432**, **434**, **436**, **438**, **440** and **442** that are vertically spaced-apart from one another. The apertures **432**, **434**, **436**, **438**, **440** and **442** of the trim member **92** are configured to align with the apertures **412**, **414**, **416**, **418**, **420** and **422**, respectively, of the mounting bracket **90**E to define aligned mounting apertures therebetween. Further, the apertures **412**, **414**, **416**, **418**, **420** and **422** of the plurality of apertures **410** of the mounting bracket **90**E are contemplated to have threaded inserts coupled thereto, much like threaded insert **200** described above.

(114) Referring now to FIG. **32**, the trim member **92** is shown mounted on the mounting bracket **90**E, which is mounted on the refrigerator **10** at the outer surface **47** of the first sidewall **46** of the external wrapper **20**. With the trim member **92** mounted on the mounting bracket **90**E, the apertures **432**, **434**, **436**, **438**, **440** and **442** of the trim member **92** are accessible and configured to receive fasteners therethrough to secure the trim member **92** to the mounting bracket **90**E.

(115) Referring now to FIG. **33**, the trim member **92** is shown mounted on the mounting bracket **90**E in a cross-sectional view. With the trim member **92** positioned on the mounting bracket **90**E, aperture **412** of the mounting bracket **90**E aligns with aperture **432** of the trim member **92** to define a first set of aligned apertures **412**A, therebetween. Fastener **204**, having a head portion **206** and a threaded shaft portion **208**, is configured to be received in the aligned apertures **412**A. The threaded insert **200** is shown mounted to aperture **412** of the mounting bracket **90**E. The threaded shaft portion **208** of fastener **204** is contemplated to have a complimentary thread pattern relative to the threaded inner cavity **202** of the threaded insert **200** to threadingly engage the same, thereby securely fastening the trim member **92** to the mounting bracket **92**E.

(116) As further shown in FIG. **33**, the inner surface **127** of the first mounting portion **126** of the trim member **92** abuts the outer surface **403** of the outer wall **402** of the mounting bracket **90**E in assembly, and the outer surface **401** of the inner wall **400** of the mounting bracket **90**E abuts the

outer surface **47** of the first sidewall **46** of the refrigerator **10**, as welded thereto.
(117) With reference to the side-mounting bracket systems **82**-**82**E discussed above, it is contemplated that any number of apertures, mounting apertures, cutouts, slots, hook members, tabs and the like may be used to mount a trim member to a mounting bracket for use with the present concept.
(118) Referring now to FIGS. **34**A and **34**B, the machine room cover **56** is shown having a body portion **450** comprised of first and second sidewalls **452**, **454** with a rear wall **456** interconnecting the first and second sidewalls **452**, **454** to form a generally U-shaped configuration surrounding a cavity **460**. In assembly, the component parts of the refrigeration system **58** are contemplated to be housed within the cavity **460** of the machine room cover **56**. The first sidewall **452** includes inner and outer surfaces **452**A, **452**B. Similarly, the second sidewall **454** includes inner and outer surfaces **454**A, **454**B. An inwardly extending flange **458** includes first and second portions **458**A, **458**B extending along upper portions of the first and second sidewalls **452**, **454**, and a third portion **458**C extending along an upper portion of the rear wall **456**.
(119) With specific reference to FIG. **34**A, the first sidewall **452** includes an inwardly turned front flange **462** extending inwardly from the inner surface **452**A of the first sidewall **452** into the cavity **460**. A plurality of apertures **464** are disposed through the front flange **462** along with a slot **466** that is vertically disposed along the front flange **462**. In the embodiment shown in FIG. **34**A, the plurality of apertures **464** includes sets of apertures disposed above and below the slot **466**. The first sidewall **452** further includes the mounting aperture **468** that is configured to align with an aperture of a trim member to couple the same thereto. As shown in FIGS. **3**A, **3**B, the lower mounting aperture **168** of the first mounting portion **126** of the trim member **92** aligns with mounting aperture **468** of the machine room cover **56** for mounting the lower end **158** of the trim member **92** to the machine room cover **56** using a fastener. In the embodiment shown in FIGS. **34**A, **34**B, the mounting aperture **468** is disposed on a tab **470** that downwardly extends over an aperture **469** and outwardly extends from the outer surface **452**B of the first sidewall **452**.
(120) With specific reference to FIG. **34**B, the second sidewall **454** includes an inwardly turned front flange **472** extending inwardly from the inner surface **454**A of the second sidewall **454** into the cavity **460**. A plurality of apertures **474** are disposed through the front flange **472** of the second sidewall **454**, along with a slot **476** that is vertically disposed along the front flange **462** of the second sidewall **454**. In the embodiment shown in FIG. **34**B, the plurality of apertures **464** includes sets of apertures disposed above and below the slot **466**. The second sidewall **454** further includes a mounting aperture **478** that is configured to align with an aperture of a trim member to couple the same thereto in manner as described above with reference to mounting aperture **468** of the first sidewall **452**. Thus, it is contemplated that the second trim member **92**A (FIG. **3**B) also includes a lower mounting aperture for coupling a lower end of the second trim member **92**A to the mounting aperture **478** of the second sidewall **454** of the machine room cover **56**. In the embodiment shown in FIGS. **34**A, **34**B, the mounting aperture **478** is disposed on a tab **480** that downwardly extends over an aperture **479** and outwardly extends from the outer surface **454**B of the second sidewall **454**. In use, the plurality of apertures **464** of the front flange **462** of the first sidewall **452** and the plurality of apertures **464** of the front flange **462** of the second sidewall **454** are provided to secure lower braces to the machine room cover **56**, as further described below.
(121) Referring now to FIGS. **35** and **36**, a brace member **500** is shown, and is contemplated to be a lower brace member for securing the machine room cover **56** to the cabinet structure **60**. The brace member **500** includes a body portion **502** having inner and outer surfaces **502**A, **502**B. The brace member **500** further includes upper and lower front flanges **508**, **510** disposed on a front portion **504** of the body portion **502**. The upper and lower front flanges **508**, **510** are vertically spaced-apart from one another to define first and second flanges with an outwardly extending tab **512** disposed therebetween. The upper front flange **508** extends inwardly from the inner surface **502**A of the body portion **502**, and includes a plurality of apertures **509** disposed therethrough. In

the embodiment shown in FIGS. **35** and **36**, the plurality of apertures **509** disposed through the upper front flange **508** includes three spaced-apart apertures. The lower front flange **510** extends inwardly from the inner surface **502**A of the body portion **502**, and includes a plurality of apertures **511** disposed therethrough. In the embodiment shown in FIGS. **35** and **36**, the plurality of apertures **511** disposed through the lower front flange **510** includes two spaced-apart apertures. The outwardly extending tab **512** is an extension of the body portion **502** of the brace member **500** and includes the inner and outer surfaces **502**A, **502**B discussed above. The outwardly extending tab **512** further includes a front edge **514** and upper and lower edges **516**, **518** that are spaced-apart from one another to define a width **520** of the outwardly extending tab **512**. The outwardly extending tab **512** further includes a plurality of apertures **522** disposed therethrough. In the embodiment shown in FIGS. **35** and **36**, the plurality of apertures **522** includes six apertures evenly spaced-apart along the outwardly extending tab **512**. As further shown in FIGS. **35** and **36**, the brace member **500** further includes a rear flange **524** which inwardly extends from the inner surface **502**A of the body portion **502** at a rear portion **506** thereof, as best shown in FIG. **36**.

(122) Referring now to FIG. **37**, the machine room cover **56** is shown having the brace member **500** coupled to the second sidewall **454** thereof. As coupled thereto, the body portion **502** of the brace member **500** is positioned against the inner surface **454**A of the second sidewall **454**. The outwardly extending tab **512** of the brace member **500** is shown extending through the slot **476** disposed along the front flange **474** of the machine room cover **56**. In this way, the plurality of apertures **522** of the outwardly extending tab **512** are accessible for mounting the brace member **500** to the cabinet structure **60** using fasteners. Specifically, the brace member **500** is contemplated to be mounted to the inner surface **69** of the second sidewall **68** of the cabinet structure **60**. As further shown in FIG. **37**, a second brace member **501** is shown coupled to the first sidewall **452** of the machine room cover **56**. The second brace member **501** is contemplated to be a mirror image of the brace member **500** described above, and is configured to be mounted to the inner surface **67** of the first sidewall **66** of the cabinet structure **60**. In this way the brace members **500**, **501** secure the refrigerator **10** to the opposed first and second sidewalls **66**, **68** of the cabinet structure **60** at the machine room cover **56** of the refrigerator **10** using fasteners, as shown with respect to brace member **500** in FIG. **3**C.

(123) Referring now to FIG. **38**, a roller box assembly **550** is shown in an exploded view. The roller box assembly **550** is used to support the refrigerator **10** in a rolling capacity, as shown in FIG. **3**C. As shown in FIG. **38**, the roller box assembly **550** includes first and second housing assemblies **552**, **554**. The first housing assembly **552** includes an inner wall **556**, an outer wall **558**, a front wall **560** and rear wall **562** which cooperate together to define an interior cavity **564**. In use, the interior cavity **564** is contemplated to house one or more wheel assemblies, such that a refrigerator supported on the roller box assembly **550** can be wheeled to a destination, such as the cabinet enclosure **80** of the cabinet structure **60** described above. The outer wall **558** of the first housing assembly **552** includes a forward extending tab **566** having an aperture **568** disposed therethrough. As shown in FIG. **38**, the forward extending tab **566** extends forward of the front wall **560**, such that the forward extending tab **566**, and the aperture **568** thereof, are accessible for mounting to a sidewall of the cabinet structure **60**. Similarly, the second housing assembly **554** includes an inner wall **570**, an outer wall **572**, a front wall **574** and rear wall **576** which cooperate together to define an interior cavity **578**. In use, the interior cavity **578**, much like interior cavity **564** of the first housing assembly **552**, is contemplated to house one or more wheel assemblies to further support a refrigerator in a rolling manner. The outer wall **558** of the second housing assembly **554** includes a forward extending tab **580** having an aperture **582** disposed therethrough. The forward extending tab **580** extends forward of the front wall **574**, such that the forward extending tab **580**, and the aperture **582** thereof, are accessible for mounting to a sidewall of the cabinet structure **60**, using a fastener. In this way, the roller box assembly **550** is configured to couple to the opposing first and second sidewalls **66**, **68** of the cabinet structure **60** at the respective inner surfaces **67**, **69** thereof, as

shown in FIGS. **1** and **2**. Specifically, the outer walls **558** and **572** of the first and second housing assemblies **552**, **554** are disposed adjacent to the inner surfaces **67**, **69** of the first and second sidewalls **66**, **68** of the cabinet structure **60**, when the refrigerator **10** is positioned therein. In this way, a fastener can be used at the respective apertures **568**, **582** of the first and second housing assemblies **552**, **554** for securely mounting the same to the cabinet structure **60**. As mounted thereto, the roller box assembly **550** restricts fore and aft movement of a refrigerator assembly housed within the cabinet structure **60**.

(124) As further shown in FIG. **38**, and the reference to FIG. **39**, the roller box assembly **550** includes a bottom plate **590** having a body portion **592** that is used to interconnect the first and second housing assemblies **552**, **554**. The body portion **592** of the bottom plate **590** includes upper and lower surfaces **592**A, **592**B. The bottom plate **590** further includes opposed first and second side edges **593**, **595** having respective apertures **594**, **596** disposed therethrough for mounting to the first and second housing assemblies **552**, **554** to the upper surface **592**A of the bottom plate **590**. The bottom plate **590** further includes a front edge **598** with an anchor bracket **600** disposed thereon. The anchor bracket **600** includes first and second portions **602**, **604**. The first portion **602** of the anchor bracket **600** downwardly extends from the lower surface **592**B, as best shown in FIG. **39**. The second portion **604** of the anchor bracket **600** outwardly extends in a forward direction from the first portion **602**, as best shown in FIG. **39**. In this way, the second portion **604** of the anchor bracket **600** is substantially parallel with the body portion **592** of the bottom plate **590** as extending outward in an orthogonal direction relative to the first portion **602** of the anchor bracket **600**. Disposed along a front edge **606** of the second portion **604** of the anchor bracket **600** mounting apertures **608** are positioned therealong and are configured to mount the bottom plate **590** to the inner surface **65** of the bottom wall **64** of the cabinet structure **60** in assembly. Specifically, an outer surface **600**B of the anchor bracket **600** of the bottom plate **590** is configured to abut the inner surface **65** (FIG. **1**) of the bottom wall **64** of the cabinet structure **60** in assembly.

(125) As further shown in FIG. **38**, the roller box assembly **550** includes a front bracket **610** having opposed side edges **612**, **614** having respective apertures **613**, **615** for mounting the front bracket **610** to the front walls **560**, **574** of the first and second housing assemblies **552**, **554**. In this way, the front bracket **610** also serves to interconnect the first and second housing assemblies **552**, **554** of the roller box assembly **550**. The front bracket **610** further includes an upper edge **616** with the rearwardly extending flange **618** which is contemplated to couple to a top wall of the roller box assembly **550** in assembly.

(126) Referring now to FIG. **40**, the front bracket **610** is shown having a rearwardly extending flange **622** that extends rearwardly from the bottom edge **620** of the front bracket **610**. The rearwardly extending flange **622** includes a relief portion **624** disposed in a middle portion thereof to define first and second tabs **626**, **628** disposed on either sides of the relief portion **624**. The relief portion **624** is a cutout portion of the rearwardly extending flange **622** which is configured to receive the second portion **604** of the anchor bracket **600** of the bottom plate **590** therethrough. This configuration is best shown in FIGS. **41** and **42**. In FIGS. **41** and **42**, the roller box assembly **550** is shown in an assembled condition with the first and second housing assemblies **552**, **554** disposed on the opposite side edges **593**, **595** of the bottom plate **590**. Further, the anchor bracket **600** of the bottom plate **590** is shown having the second portion **604** thereof extending outwardly through the relief portion **624** of the front bracket **610**, such that the second portion **604** of the anchor bracket **600** of the bottom plate **590** is accessible for mounting to the cabinet structure **60** at the bottom wall **64** thereof.

(127) Referring now to FIG. **43**, an upper bracket system **648** is shown with a hinge bracket **650** having a first portion **652** and a second portion **654**. The first portion **652** of the hinge bracket **650** is a substantially horizontal portion that includes upper and lower surfaces **652**A, **652**B. The second portion **654** of the hinge bracket **650** is a substantially upright portion that extends orthogonally in an upright direction from the upper surface **652**A of the first portion **652** of the hinge bracket **650**.

The second portion **654** of the hinge bracket **650** includes front and rear surfaces **654**A, **654**B. The hinge bracket **650** includes an overall L-shaped configuration between the first and second portions **652**, **654**, and is contemplated to be comprised of a metal material suitable for welding the first portion **652** of the hinge bracket **650** to the outer surface **43** of the top wall **42** of the vacuum insulated cabinet structure **12** of the refrigerator **10**, as best shown in FIG. **44**. As shown in FIG. **44**, the upper bracket system **648** is mounted between the refrigerator **10** and the cabinet structure **60**. The lower surface **652**B of the first portion **652** of the hinge bracket **650** abuts the outer surface **43** of the top wall **42** of the refrigerator **10** in assembly, and may be fixedly coupled thereto, as further described below. The hinge bracket **650** may be used to mount one or more hinges thereto for use in operating doors positioned on the refrigerator **10** to selectively provide access to refrigerated storage compartments. In the embodiment shown in FIG. **43**, the hinge bracket **650** includes a plurality of apertures **656** disposed along the second portion **654** of the hinge bracket **650**. The plurality of apertures **656** shown in the embodiment of the hinge bracket **650** in FIG. **43** includes three sets of apertures **658** for a total of six apertures, altogether.

(128) As further shown in FIG. **43**, the upper bracket system **648** includes a mounting bracket **660** having a body portion **662** with opposed first and second ends **664**, **666**. The body portion **662** of the mounting bracket **660** is positioned in a generally upright manner and includes front and rear surfaces **660**A, **660**B. The first end **664** of the mounting bracket **660** includes a first side bracket **670** extending orthogonally in a forward direction from the front surface **660**A of the mounting bracket **660**. The first side bracket **670** includes a plurality of apertures **672** which, in the embodiment of FIG. **43** includes four spaced-apart apertures. The second end **666** of the mounting bracket **660** also includes a second side bracket **674** extending orthogonally in a forward direction from the front surface **660**A of the mounting bracket **660**. The second side bracket **674** also includes a plurality of apertures **676** which, in the embodiment of FIG. **43** includes four spaced-apart apertures. The apertures provided in the plurality of apertures **672**, **676** of the first and second side brackets **670**, **674** are used to couple the mounting bracket **660** to the opposed first and second sidewalls **66**, **68** of the cabinet structure **60** at the respective inner surfaces **67**, **69** thereof, as best shown in FIG. **44**. In the embodiment shown in FIG. **43**, the mounting bracket **660** includes a plurality of mounting apertures **680** disposed along the body portion **662** of the mounting bracket **660**. The plurality of mounting apertures **680** shown in the embodiment of the mounting bracket **660** in FIG. **43** includes three sets of mounting apertures **682** for a total of six apertures, altogether. The plurality of mounting apertures **680** of the mounting bracket **660** are provided in a reciprocal pattern relative to the plurality of apertures **656** of the hinge bracket **650**. In this way, the plurality of mounting apertures **680** of the mounting bracket **660** can be aligned with the plurality of apertures **656** of the hinge bracket **650** for interconnecting the mounting bracket **660** and the hinge bracket **650**. Specifically, the apertures **658** of the plurality of apertures **656** of the hinge bracket **650** are contemplated to be through apertures that will allow for a threaded shaft of a fastener to pass through. As shown in FIG. **43**, the mounting apertures **682** of the plurality of mounting apertures **680** are contemplated to receive a threaded insert **200** having a threaded inner cavity **202**, in a similar manner as described above. Thus, a suitable fastener can be used to couple to the threaded insert **200** in a threaded engagement to fixedly couple the component parts together. As described herein, apertures identified with reference numeral **682**, and pluralities of the same identified with reference numeral **680**, are contemplated to be mounting apertures fitted with a threaded insert, in a manner as described above with reference to threaded insert **200**. Similarly, as described herein, apertures identified with reference numeral **658**, and pluralities of the same identified with reference numeral **656**, are contemplated to be through apertures, allowing for fastener shafts to pass therethrough, in a manner as described above.

(129) Referring now to FIG. **44**, the cabinet structure **60** is shown in phantom to reveal the mounting bracket **660** mounted to the inner surfaces **67**, **69** of the opposed first and second sidewalls **66**, **68**. As shown in FIG. **44**, the mounting bracket **660** is mounted to the inner surfaces

**67**, **69** of the opposed first and second sidewalls **66**, **68** of the cabinet structure **60** at the first and second side brackets **670**, **674** of the mounting bracket **660**. As further illustrated in FIG. **44**, the trim members **92**, **92**A are shown mounted to the opposed first and second sidewalls **46**, **48** of the refrigerator **10**. The trim members **92**, **92**A each include upper ends **156** having cutout portions **157**. As shown in FIG. **44**, the first and second side brackets **670**, **674** of the mounting bracket **660** are aligned with the cutout portions **157** of the trim members **92**, **92**A, such that the respective apertures provided in the plurality of apertures **672**, **676** of the first and second side brackets **670**, **674** can be used to couple the mounting bracket **660** to the inner surfaces **67**, **69** of the opposed first and second sidewalls **66**, **68** of the cabinet structure **60**.

(130) As further illustrated in FIG. **44**, the first portion **652** of the hinge bracket **650** is shown abutting the outer surface **43** of the top wall **42** of the refrigerator **10**. The rear surface **654**B of the second portion **654** of the hinge bracket **650** is shown as abutting the front surface **660**A of the mounting bracket **660** in the arrangement of FIG. **44**. In this configuration, the plurality of mounting apertures **680** of the mounting bracket **660** (FIG. **43**) are aligned with the plurality of apertures **656** of the hinge bracket **650** (FIG. **44**) for interconnecting the mounting bracket **660** and the hinge bracket **650** using fasteners. It is contemplated that the mounting bracket **660** is mounted to the opposed first and second sidewalls **66**, **68** of the cabinet structure **60**, before the refrigerator **10** is inserted into the cabinet enclosure **80** of the cabinet structure **60**. Similarly, the hinge bracket **650** may be welded, or otherwise fixedly coupled, to the top wall **42** of the refrigerator **10**, before the refrigerator **10** is inserted into the cabinet enclosure **80** of the cabinet structure **60**. Further, it is contemplated that the hinge bracket **650** may be positioned on the outer surface **43** of the top wall **42** of the refrigerator **10**, such that the lower surface **652**B of the first portion **652** of the hinge bracket **650** abuts the outer surface **43** of the top wall **42** of the refrigerator **10**, without the need to fixedly couple the hinge bracket **650** thereto. With the hinge bracket **650** and the mounting bracket **660** set in their respective positions, the refrigerator **10** can be inserted into the cabinet enclosure **80** of the cabinet structure **60** in the direction as indicated by arrow **685** in FIG. **44** until the rear surface **654**B of the hinge bracket **650** abuts the front surface **660**A of the mounting bracket **660**. When this abutting arrangement is provided between the rear surface **654**B of the hinge bracket **650** and the front surface **660**A of the mounting bracket **660**, the plurality of mounting apertures **680** of the mounting bracket **660** are contemplated to be aligned with the plurality of apertures **656** of the hinge bracket **650** for threaded engagement with the threaded inserts provided in the mounting apertures **680** of the plurality of mounting apertures **682** of the mounting bracket **660**. Thus, fasteners can be used to fixedly couple the hinge bracket **650** to the mounting bracket **660** while the hinge bracket **650** is supported on the refrigerator **10**, and the mounting bracket **660** is fixedly coupled to the cabinet structure **60**.

(131) Referring now to FIG. **45**, an upper bracket system **648**A is shown with a hinge bracket **650**A which includes a number of features in common with the hinge bracket **650** described above. As such, like reference numerals are used in FIG. **45** to identify common features shared between the hinge brackets **650** and **650**A. In the embodiment shown in FIG. **45**, the plurality of apertures **656** are disposed on the second portion **694** of the hinge bracket **650**A and are clustered in a middle portion thereof. The plurality of apertures **656** shown in the embodiment of the hinge bracket **650**A in FIG. **45** includes two sets of spaced-apart apertures **658** for a total of four apertures, altogether.

(132) As further shown in FIG. **45**, the upper bracket system **648**A includes a mounting bracket **690**, wherein the mounting bracket **690** includes first and second portions **692**, **694**. The first portion **692** of the mounting bracket **690** is a substantially horizontal portion that includes upper and lower surfaces **692**A, **692**B. The second portion **694** of the mounting bracket **690** is a substantially vertical portion that extends orthogonally in a downward direction from the lower surface **692**B of the first portion **692** of the mounting bracket **690**. The second portion **694** of the mounting bracket **690** includes front and rear surfaces **694**A, **694**B. The mounting bracket **690** includes an overall L-shaped configuration between the first and second portions **692**, **694** thereof,

and is contemplated to be comprised of a metal material.
(133) As further shown in FIG. **45**, the first portion **692** of the mounting bracket **690** includes a plurality of apertures **696** which, in the embodiment of FIG. **45** includes five spaced-apart apertures. The apertures provided in the plurality of apertures **696** of the first portion **692** of the mounting bracket **690** are used to couple the mounting bracket **690** to the top wall **62** of the cabinet structure **60** at the inner surface **63** thereof, as best shown in FIG. **46**. In the embodiment shown in FIG. **45**, the mounting bracket **690** includes a plurality of mounting apertures **680** disposed along the second portion **694** of the mounting bracket **690**. The plurality of mounting apertures **680** shown in the embodiment of the mounting bracket **690** in FIG. **45** includes two sets of mounting apertures **682** for a total of four apertures, altogether. The plurality of mounting apertures **680** of the mounting bracket **690** are provided in a reciprocal pattern relative to the plurality of apertures **656** of the hinge bracket **650**A. In this way, the plurality of mounting apertures **680** of the mounting bracket **690** can be aligned with the plurality of apertures **656** of the hinge bracket **650**A for interconnecting the mounting bracket **690** and the hinge bracket **650**A in assembly.
(134) Referring now to FIG. **46**, the cabinet structure **60** is shown in phantom to reveal the upper bracket system **648**A mounted between the refrigerator **10** and the cabinet structure **60**. As shown, the mounting bracket **690** is mounted to the inner surface **63** of the top wall **62** of the cabinet structure **60**. As shown in FIG. **46**, the mounting bracket **690** is mounted to the inner surface **63** of the top wall **62** of the cabinet structure **60** at the first portion **692** of the mounting bracket **690**. Specifically, the upper surface **692**A of the first portion **692** of the mounting bracket **690** is configured to abut the inner surface **63** of the top wall **62** of the cabinet structure **60**, such that the plurality of apertures **696** can be used to fasten the mounting bracket **690** thereto. As further illustrated in FIG. **46**, the hinge bracket **650**A is shown positioned on the outer surface **43** of the top wall **42** of the refrigerator **10** at the first portion **652** thereof. The rear surface **654**B of the hinge bracket **650**A is contemplated to be abutting the front surface **694**A (FIG. **45**) of the mounting bracket **690** in the arrangement of FIG. **46**. In this configuration, the plurality of mounting apertures **680** (FIG. **45**) of the mounting bracket **690** are aligned with the plurality of apertures **656** of the hinge bracket **650**A for interconnecting the mounting bracket **690** and the hinge bracket **650**A using fasteners. It is contemplated that the mounting bracket **690** is mounted to the top wall **62** of the cabinet structure **60**, before the refrigerator **10** is inserted into the cabinet enclosure **80** of the cabinet structure **60**. Similarly, the hinge bracket **650**A may be welded, or otherwise fixedly coupled, to the top wall **42** of the refrigerator **10**, before the refrigerator **10** is inserted into the cabinet enclosure **80** of the cabinet structure **60**. Further, it is contemplated that the hinge bracket **650**A may be positioned on the outer surface **43** of the top wall **42** of the refrigerator **10**, such that the lower surface **652**B of the first portion **652** of the hinge bracket **650**A abuts the outer surface **43** of the top wall **42** of the refrigerator **10**, without the need to fixedly couple the hinge bracket **650**A thereto.
(135) With the hinge bracket **650**A and the mounting bracket **690** set in their respective positions, the refrigerator **10** can be inserted into the cabinet enclosure **80** of the cabinet structure **60** in the direction as indicated by arrow **685** in FIG. **46** until the rear surface **654**B of the hinge bracket **650**A abuts the front surface **694**A of the mounting bracket **690**. When this abutting arrangement is provided between the rear surface **654**B of the hinge bracket **650**A and the front surface **694**A of the mounting bracket **690**, the plurality of mounting apertures **680** of the mounting bracket **690** are aligned with the plurality of apertures **656** of the hinge bracket **650**A for threaded engagement with the threaded inserts provided in the mounting apertures **680** of the plurality of mounting apertures **682** of the mounting bracket **690**. Thus, fasteners can be used to fixedly couple the hinge bracket **650**A to the mounting bracket **690** while the hinge bracket **650**A is supported on the refrigerator **10**, and the mounting bracket **690** is fixedly coupled to the cabinet structure **60**.
(136) Referring now to FIG. **47**, an upper bracket system **648**B is shown with a hinge bracket **650**B having a number of features in common with hinge brackets **650** and **650**A described above. As

such, like reference numerals are used in FIG. **47** to denote common features shared between the hinge brackets **650**, **650**A and **6506**. In the embodiment shown in FIG. **47**, a plurality of apertures **656** are disposed on the second portion **694** of the hinge bracket **6506** and are clustered in a middle portion thereof. The plurality of apertures **656** shown in the embodiment of the hinge bracket **650**B in FIG. **47** includes three sets of spaced-apart apertures **658** for a total of six apertures, altogether.
(137) As further shown in FIG. **47**, the upper bracket system **648**B includes a mounting bracket **690**A shown exploded away from the hinge bracket **650**B, and having a number of features in common with mounting bracket **690** described above. As such, like reference numerals are used in FIG. **47** to denote common features shared between the mounting brackets **690** and **690**A. The first portion **692** of the mounting bracket **690**A includes a plurality of apertures **696** which, in the embodiment of FIG. **47** includes five spaced-apart apertures. The apertures provided in the plurality of apertures **696** of the first portion **692** of the mounting bracket **690**A are used to couple the mounting bracket **690**A to the top wall **62** of the cabinet structure **60** at the inner surface **63** thereof, as best shown in FIG. **48**. In the embodiment shown in FIG. **47**, the mounting bracket **690**A further includes a plurality of mounting apertures **680** disposed along the second portion **694** of the mounting bracket **690**A. The plurality of mounting apertures **680** shown in the embodiment of the mounting bracket **690**A in FIG. **47** includes three sets of mounting apertures **682** for a total of six apertures, altogether. The plurality of mounting apertures **680** of the mounting bracket **690**A are provided in a reciprocal pattern relative to the plurality of apertures **656** of the hinge bracket **6506**. In this way, the plurality of mounting apertures **680** of the mounting bracket **690**A can be aligned with the plurality of apertures **656** of the hinge bracket **6506** for interconnecting the mounting bracket **690**A and the hinge bracket **6506** in assembly.
(138) With further reference to FIG. **47**, the hinge bracket **650**B also includes a plurality of apertures **656**A disposed on a first end **655** of the second portion **654** of the hinge bracket **650**B. The plurality of apertures **656**A includes a number of apertures **658**A, which may be in the form of round apertures or oblong-shaped slots, or any combination thereof. The plurality of apertures **656**A is used to mount a first hinge support bracket **700** to the hinge bracket **650**A, as further described below. Similarly, the hinge bracket **650**B further includes a plurality of apertures **656**B disposed on a second end **657** of the second portion **654** of the hinge bracket **650**B. The second end **657** of the second portion **654** of the hinge bracket **650**B is contemplated to be an opposite or opposed end relative to the first end **655** of the second portion **654** of the hinge bracket **650**B. As such, the plurality of apertures **656** disposed at the middle portion of the second portion **654** of the hinge bracket **650**B is disposed between the plurality of apertures **656**A, **656**B which are disposed at the first and second ends **655**, **657**, respectively, of the second portion **654** of the hinge bracket **6506**. The plurality of apertures **656**B includes a number of apertures **658**B, which may be in the form of round apertures or oblong-shaped slots, or any combination thereof. The plurality of apertures **656**B is used to mount a second hinge support bracket **701** to the hinge bracket **650**A, as further described below.
(139) As further shown in FIG. **47**, the first and second hinge support brackets **700**, **701** are shown exploded away from the hinge bracket **6506**. The first and second hinge support brackets **700**, **701** are contemplated to be mirror images of each other, such that like reference numerals will be used to describe common features between the first and second hinge support brackets **700**, **701**. Further, the description of one hinge support bracket provided herein also describes the other reciprocal hinge support bracket. The first and second hinge support brackets **700**, **701** each include a first portion **702** and a second portion **704**. The first portion **702** of the first and second hinge support brackets **700**, **701** is a substantially horizontal portion that includes upper and lower surfaces **702**A, **702**B. The second portion **704** of the first and second hinge support brackets **700**, **701** is a substantially upright portion that extends orthogonally in an upright direction from the upper surface **702**A of the first portion **702** of the first and second hinge support brackets **700**, **701**. The second portion **704** of the first and second hinge support brackets **700**, **701** includes front and rear

surfaces **704**A, **704**B. The first and second hinge support brackets **700**, **701** each include a third portion **706** extending outwardly in a forward direction from the front surface **704**A of the second portion **704** of the first and second hinge support brackets **700**, **701**. The third portion **706** includes an upper surface **706**A and a lower surface **706**B. As shown in FIG. **47**, the third portion **706** extends outwardly from an upper portion of the second portion **704** of the first and second hinge support brackets **700**, **701**, while the first portion **702** extends rearwardly from a lower portion of the second portion **704** of the first and second hinge support brackets **700**, **701**. Thus, the first portion **702** is vertically offset from, but substantially parallel to, the third portion **706**. The second portion **704** of the first and second hinge support bracket **700**, **701** is substantially perpendicular to both the first portion **702** and the third portion **706**. In this way, the first and second hinge support brackets **700**, **701** each include an overall S-shaped configuration between the first, second and third portions **702**, **704** and **706** thereof. The remaining features of the first and second hinge support brackets **700**, **701** are further described with reference to FIG. **48** in which the second hinge support bracket **701** is shown in greater detail.

(140) Referring now to FIG. **48**, the second hinge support bracket **701** is shown having an inner sidewall **708** and an outer sidewall **710**. The inner sidewall **708** and outer sidewall **710** are disposed in a substantially upright position and spaced-apart from each other on opposite sides of the first and second portions **702**, **704** of the second hinge support bracket **701**. The inner sidewall **708** and the outer sidewall **710** interconnect the first and second portions **702**, **704** of the second hinge support bracket **701** to provide a bracing feature therebetween. In assembly, the lower surface **702**B of the second hinge support bracket **701** is configured to abut the upper surface **652**A of the first portion **652** of the hinge bracket **650**B, as best shown in FIG. **49**. In FIG. **48**, the first portion **702** is shown having one or more apertures **712** which can be used to mount the second hinge support bracket **701** to the first portion **652** of the hinge bracket **650**B, at the upper surface **652**A thereof. The second portion **704** of the second hinge support bracket **701** is shown having a plurality of apertures **714** which can be used to mount the second hinge support bracket **701** to the second portion **654** of the hinge bracket **650**B, at the plurality of apertures **656**B of the hinge bracket **650**B. The plurality of apertures **714** illustrated in FIG. **48** are shown in phantom, as they are covered by the third portion **706** of the second hinge support bracket **701**. However, the plurality of apertures **714** of the second hinge support bracket **701** are contemplated to be disposed in a reciprocal pattern relative to the plurality of apertures **656**B disposed on the hinge bracket **650**B. In this way, it is contemplated that the front surface **704**A of the second portion **704** of the second hinge support bracket **701** is configured to abut the rear surface **654**B of the second portion **654** of the hinge bracket **650**B in assembly, as best shown in FIG. **49**.

(141) As further shown in FIG. **48**, the third portion **706** of the second hinge support bracket **701** includes first and second mounting flanges **720**, **722** which are disposed over respective apertures **721**, **723**. The first and second mounting flanges **720**, **722** include similar features, such that the description of the first mounting flange **720** will describe the second mounting flange **722** as well. The first mounting flange **720** includes a tab portion **724** that is vertically spaced-apart from the upper surface **706**A of the third portion **706** by an angled portion **726**. Specifically, the angled portion **726** extends upwardly at a forward angle from the upper surface **706**A of the third portion **706** of the second hinge support bracket **701**. The tab portion **724** is contemplated to be vertically spaced-apart, but substantially planar with the upper surface **706**A of the third portion **706** of the second hinge support bracket **701**. Apertures **728** define one or more apertures disposed through the tab portion **724**, and are used to couple the second hinge support bracket **701** to the top wall **62** of the cabinet structure **60** at the inner surface **63** thereof, as best shown in FIG. **49**.

(142) As further shown in FIG. **48**, the second hinge support bracket **701** further includes a side mounting flange **730** disposed adjacent to the outer sidewall **710**. The side mounting flange **730** includes a first tab portion **732** that is inwardly spaced-apart from a second tab portion **734** by a transverse portion **736**. Said differently, the second tab portion **734** of the side mounting flange **730**

is spaced outwardly relative to the first tab portion **732**. The first and second tab portions **732**, **734** are disposed below the third portion **706** of the second hinge support bracket **701**, and are substantially perpendicular thereto. The first tab portion **732** of the side mounting flange **730** includes one or more apertures **738** disposed therethrough. In assembly, the one or more apertures **738** of the first tab portion **732** of the side mounting flange **730** may be used to couple the second hinge support bracket **701** to an upper end of a trim member, such as the upper end **156** of trim member **92**A at upper mounting aperture **166** shown in FIG. **49**. The second tab portion **734** of the side mounting flange **730** also includes one or more apertures **740** disposed therethrough. In assembly, the one or more apertures **740** of the second tab portion **734** of the side mounting flange **730** may be used to couple the second hinge support bracket **701** to a sidewall of the cabinet structure, such as the second sidewall **68** of the cabinet structure **60** at the inner surface **69** thereof, as best shown in FIG. **49**.

(143) Referring now to FIG. **49**, the upper bracket system **648**B is shown mounted between the refrigerator **10** and the cabinet structure **60**. As shown in FIG. **49**, the cabinet structure **60** is shown in phantom to reveal the mounting bracket **690**A mounted to the inner surface **63** of the top wall **62** of the cabinet structure **60**. As shown in FIG. **49**, the mounting bracket **690**A is mounted to the inner surface **63** of the top wall **62** of the cabinet structure **60** at the first portion **692** of the mounting bracket **690**A. Specifically, the upper surface **692**A of the first portion **692** of the mounting bracket **690**A is configured to abut the inner surface **63** of the top wall **62** of the cabinet structure **60**, such that the plurality of apertures **696** can be used to fasten the mounting bracket **690**A thereto. As further illustrated in FIG. **49**, the hinge bracket **650**B is shown positioned on the outer surface **43** of the top wall **42** of the refrigerator **10** at the first portion **652** thereof. The rear surface **654**B of the hinge bracket **650**B abuts the front surface **694**A of the mounting bracket **690**A in the arrangement of FIG. **49**. In this configuration, the plurality of mounting apertures **680** (FIG. **47**) of the mounting bracket **690**A are aligned with the plurality of apertures **656** of the hinge bracket **650**B for interconnecting the mounting bracket **690**A and the hinge bracket **650**B using fasteners. It is contemplated that the mounting bracket **690**A is mounted to the top wall **62** of the cabinet structure **60**, before the refrigerator **10** is inserted into the cabinet enclosure **80** of the cabinet structure **60**. Similarly, the hinge bracket **650**B may be welded, or otherwise fixedly coupled, to the top wall **42** of the refrigerator **10**, before the refrigerator **10** is inserted into the cabinet enclosure **80** of the cabinet structure **60**. Further, it is contemplated that the hinge bracket **650**B may be positioned on the outer surface **43** of the top wall **42** of the refrigerator **10**, such that the lower surface **652**B of the first portion **652** of the hinge bracket **650**B abuts the outer surface **43** of the top wall **42** of the refrigerator **10**, without the need to fixedly couple the hinge bracket **650**B thereto.

(144) With the hinge bracket **650**B and the mounting bracket **690**A set in their respective positions, the refrigerator **10** can be inserted into the cabinet enclosure **80** of the cabinet structure **60** in the direction as indicated by arrow **685** in FIG. **49** until the rear surface **654**B of the hinge bracket **650**B abuts the front surface **694**A of the mounting bracket **690**A. When this abutting arrangement is provided between the rear surface **654**B of the hinge bracket **650**B and the front surface **694**A of the mounting bracket **690**A, the plurality of mounting apertures **680** (FIG. **47**) of the mounting bracket **690**A are aligned with the plurality of apertures **656** of the hinge bracket **650**B for threaded engagement with the threaded inserts provided in the mounting apertures **680** of the plurality of mounting apertures **682** of the mounting bracket **690**. Thus, fasteners can be used to fixedly couple the hinge bracket **650**B to the mounting bracket **690**A while the hinge bracket **650**B is supported on the refrigerator **10**, and the mounting bracket **690**A is fixedly coupled to the cabinet structure **60**.

(145) As further shown in FIG. **49**, first and second hinge support brackets **700**, **701** are shown coupled to the hinge bracket **650**B. Specifically, the lower surfaces **702**B of the first portions **702** of the first and second hinge support brackets **700**, **701** abut the upper surface **652**A of the first portion **652** of the hinge bracket **650**B. Further, the front surfaces **704**A (FIG. **48**) of the second

portions **704** of the first and second hinge support brackets **700**, **701** abut the rear surface **654**B of the second portion **654** of the hinge bracket **650**B. The first and second mounting flanges **720**, **722** of the first and second hinge support brackets **700**, **701** are shown upwardly extending from the third portions **706** of the first and second hinge support brackets **700**, **701**, such that the apertures **728** thereof can be used to couple the first and second hinge support brackets **700**, **701** to the top wall **62** of the cabinet structure **60** at the inner surface **63** thereof.

(146) As further shown in FIG. **49**, the first tab portions **732** of the side mounting flanges **730** have apertures **738** (FIG. **48**) accessible to couple the first and second hinge support brackets **700**, **701** to the upper ends **156** of the first and second trim members **92** and **92**A. The one or more apertures **740** (FIG. **48**) of the second tab portions **734** of the side mounting flanges **730** are aligned with the cutout portions **157** of the first and second trim members **92** and **92**A, such that the one or more apertures **740** thereof are accessible to couple the first and second hinge support brackets **700**, **701** to the first and second sidewalls **66**, **68**, respectively, at the respective inner surfaces **67**, **69** thereof.

(147) Referring now to FIGS. **50** and **51**, an upper bracket system **648**C is shown having another embodiment of a hinge bracket **650**C. The hinge bracket **650**C includes body portion **800** having a first portion **802**, a second portion **804** and a third portion **806**. The first portion **802** of the hinge bracket **650**C is a substantially horizontal portion that includes upper and lower surfaces **802**A, **802**B. The second portion **804** of the hinge bracket **650**C is a substantially upright portion that extends orthogonally in an upright direction from the upper surface **802**A of the first portion **802** of the hinge bracket **650**C. The second portion **804** of the hinge bracket **650**C includes a front surface **804**A (FIG. **51**) and a rear surface **804**B (FIG. **50**). The third portion **806** of the hinge bracket **650**C extends outwardly in a forward direction from the front surface **804**A of the second portion **804** of the hinge bracket **650**C. The third portion **806** of the hinge bracket **650**C includes an upper surface **806**A and a lower surface **806**B. As shown in FIGS. **50** and **51**, the third portion **806** extends outwardly from an upper portion of the second portion **804** of the hinge bracket **650**C, while the first portion **802** extends rearwardly from a lower portion of the second portion **804** of the hinge bracket **650**C. Thus, the first portion **802** is vertically offset from, but substantially parallel to, the third portion **806**. The second portion **804** of the hinge bracket **650**C is substantially perpendicular to both the first portion **802** and the third portion **806**. In this way, the hinge bracket **650**C includes an overall S-shaped configuration between the first, second and third portions **802**, **804** and **806** thereof. The lower surface **802**B of hinge bracket **650**C is configured to abut the outer surface **43** of the top wall of the refrigerator **10**, as best shown in FIG. **52**.

(148) In FIGS. **50** and **51**, the first portion **802** of the hinge bracket **650**C is shown having first and second sets of apertures **812**, **813** that can be used to mount first and second hinge support brackets **700**A, **701**A (FIG. **50**) to opposed sides of the first portion **802** of the hinge bracket **650**C, at the upper surface **802**A thereof.

(149) With reference to FIGS. **50** and **51**, the second portion **804** of hinge bracket **650**C is shown having a number of sets of apertures similar to the configuration of apertures found on the second portion **654** of the hinge bracket **650**B discussed above. As such, like reference numerals used to describe the aperture arrangement and other features of the second portion **654** of the hinge bracket **650**B discussed above will also be used to describe apertures and features of the second portion **802** of the hinge bracket **650**C. As shown in FIGS. **50** and **51**, a plurality of apertures **656**A is disposed on the first end **655** of the second portion **802** of the hinge bracket **650**C and is used to mount a first hinge support bracket **700**A (FIG. **50**) to the hinge bracket **650**C, as further described below. Similarly, the hinge bracket **650**C further includes a plurality of apertures **656**B disposed on a second end **657** of the second portion **802** of the hinge bracket **650**C. The plurality of apertures **656**B is used to mount a second hinge support bracket **701**A (FIG. **50**) to the hinge bracket **650**C, as further described below. The second end **657** of the second portion **802** of the hinge bracket **650**C is contemplated to be an opposite or opposed end relative to the first end **655** of the second portion **802** of the hinge bracket **650**C. A plurality of apertures **656** is disposed at the middle

portion of the second portion **802** of the hinge bracket **650**C between the plurality of apertures **656**A, **656**B, and is configured to mount the second portion **802** of the hinge bracket **650**C to the mounting bracket **690**A (FIG. **50**). The plurality of apertures **656** shown in the embodiment of the hinge bracket **650**C in FIGS. **50** and **51** includes three sets of spaced-apart apertures **658** for a total of six apertures, altogether.

(150) As further shown in FIG. **50**, the mounting bracket **690**A is shown exploded away from the hinge bracket **650**C. In the same manner as described above, the first portion **692** of the mounting bracket **690**A includes the plurality of apertures **696** which, in the embodiment of FIG. **50** includes five spaced-apart apertures for coupling the mounting bracket **690**A to the top wall **62** of the cabinet structure **60** at the inner surface **63** thereof, as best shown in FIG. **52**. In the embodiment shown in FIG. **50**, the mounting bracket **690**A further includes the plurality of mounting apertures **680** disposed along the second portion **694** of the mounting bracket **690**A in a reciprocal pattern relative to the plurality of apertures **656** of the hinge bracket **650**C. In this way, the plurality of mounting apertures **680** of the mounting bracket **690**A can be aligned with the plurality of apertures **656** of the hinge bracket **650**C for interconnecting the mounting bracket **690**A and the hinge bracket **650**C in assembly.

(151) As further shown in FIG. **50**, first and second hinge support brackets **700**A, **701**A are shown exploded away from the hinge bracket **650**B. The first and second hinge support brackets **700**A, **701**A are contemplated to be mirror images of each other, and are also contemplated to include a number of features in common with first and second hinge support brackets **700**, **701** described above. As such, like reference numerals will be used to describe common features between the first and second hinge support brackets **700**, **701** and the first and second hinge support brackets **700**A, **701**A. The first and second hinge support brackets **700**A, **701**A each include a first portion **702** having upper and lower surfaces **702**A, **702**B, and a second portion **704** having front and rear surfaces **704**A, **704**B. The first portion **702** of the first and second hinge support brackets **700**A, **701**A is substantially perpendicular to the second portion **704**. Inner and outer sidewalls **708**, **710** interconnect the first and second portions **702**, **704**. The first portion **702** of the first hinge support bracket **700**A includes apertures **712** that are configured to couple to apertures **812** of the hinge bracket **650**C to mount the first hinge support bracket **700**A to the first portion **802** of the hinge bracket **650**C. The first portion **702** of the second hinge support bracket **701**A includes apertures **712** that are configured to couple to apertures **813** of the hinge bracket **650**C to mount the second hinge support bracket **701**A to the first portion **802** of the hinge bracket **650**C. The second portion **704** of the first hinge support bracket **700**A includes apertures **714** that are configured to couple to apertures **656**A of the hinge bracket **650**C to mount the first hinge support bracket **700**A to the second portion **804** of the hinge bracket **650**C. The second portion **704** of the second hinge support bracket **701**A includes apertures **714** that are configured to couple to apertures **656**B of the hinge bracket **650**C to mount the second hinge support bracket **701**A to the second portion **804** of the hinge bracket **650**C.

(152) As further shown in FIGS. **50** and **51**, the third portion **806** of hinge bracket **650**C includes first, second and third mounting flanges **818**, **820** and **822** which are disposed over respective apertures **819**, **821** and **823**. The mounting flanges **818**, **820** and **822** include similar features, such that the description of the first mounting flange **818** will describe the second and third mounting flanges **820**, **822** as well. The first mounting flange **818** includes a tab portion **824** that is vertically spaced-apart from the upper surface **806**A of the third portion **806** by an angled portion **826**. Specifically, the angled portion **826** extends upwardly at a forward angle from the upper surface **806**A of the third portion **806** of hinge bracket **650**C. The tab portion **824** is contemplated to be vertically spaced-apart, but substantially planar with the upper surface **806**A of the third portion **806** of hinge bracket **650**C. Apertures **828** define one or more apertures disposed through the tab portion **824** of the first mounting flange **818**, and are used to couple the hinge bracket **650**C to the top wall **62** of the cabinet structure **60** at the inner surface **63** thereof, as best shown in FIG. **52**.

(153) As further shown in FIGS. **50** and **51**, the hinge bracket **650**C further includes first and second side mounting flanges **830**, **831**. The first and second side mounting flanges **830**, **831** each include a first tab portion **832** that is inwardly spaced-apart from a second tab portion **834**. Said differently, the second tab portion **834** of the first and second side mounting flanges **830**, **831** is spaced outwardly relative to the first tab portion **832**. The first and second tab portions **832**, **834** are disposed below the third portion **806** of the hinge bracket **650**C, and are substantially perpendicular thereto. The first tab portion **832** of the first and second side mounting flanges **830**, **831** each include one or more apertures **838** disposed therethrough. In assembly, the one or more apertures **838** of the first tab portion **832** of the first and second side mounting flanges **830**, **831** may be used to couple the hinge bracket **650**C to an upper end of a trim member, such as the upper end **156** of trim member **92**A at upper mounting aperture **166** shown in FIG. **52**. The second tab portion **834** of the first and second side mounting flanges **830**, **831** also includes one or more apertures **840** disposed therethrough. In assembly, the one or more apertures **840** of the second tab portion **834** of the first and second side mounting flanges **830**, **831** may be used to couple the hinge bracket **650**C to a sidewall of the cabinet structure, such as the first and second sidewalls **66**, **68** of the cabinet structure **60** at the respective inner surfaces **67**, **69** thereof, as best shown in FIG. **52**.

(154) Referring now to FIG. **53**, an upper bracket system **648**D is shown having another embodiment of a hinge bracket **650**D. The hinge bracket **650**D is similar to hinge bracket **650**C, but does not include the first portion **802** of hinge bracket **650**C. Instead, the hinge bracket **650**D includes a body portion **800** having a first portion **803** and a second portion **805**. The first portion **803** and the second portion **805** of the hinge bracket **650**D are akin to the second portion **804** and the third portion **806** of hinge bracket **650**C, respectively. Otherwise, like reference numerals are provided in FIG. **53** to denote common features shared between hinge brackets **650**C and **650**D.

(155) The first portion **803** of the hinge bracket **650**D is a substantially upright portion that includes a front surface **803**A and a rear surface **803**B. The second portion **805** of the hinge bracket **650**D extends outwardly in a forward direction from the front surface **804**A of the first portion **803** of the hinge bracket **650**D. The second portion **805** of the hinge bracket **650**D is a substantially horizontal portion that includes an upper surface **805**A and a lower surface **805**B. As shown in FIG. **53**, the second portion **805** of the hinge bracket **650**D extends outwardly from an upper portion of the first portion **803** of the hinge bracket **650**D, such that the first portion **803** of the hinge bracket **650**D is substantially perpendicular to the second portion **805**. In this way, the hinge bracket **650**D includes an overall L-shaped configuration between the first and second portions **803**, **805** thereof. A plurality of apertures **656** is disposed at the middle portion of the first portion **803** of the hinge bracket **650**D, and is configured to mount the first portion **803** of the hinge bracket **650**D to the plurality of apertures **680** of the second portion **694** of the mounting bracket **690**A. The plurality of apertures **656** shown in the embodiment of the hinge bracket **650**D in FIG. **53** includes three sets of spaced-apart apertures **658** for a total of six apertures, which corresponds to the six mounting apertures **682** of the plurality of apertures **680** disposed on the second portion **694** of the mounting bracket **690**A. Thus, the first portion **692** the mounting bracket **690**A couples to the top wall **62** of the cabinet structure **60**, while the second portion **694** of the mounting bracket **690**A mounts to the first portion **803** of the hinge bracket **650**D. Further, the one or more apertures **840** of the second tab portion **834** of the first and second side mounting flanges **830**, **831** may be used to couple the hinge bracket **650**C to a sidewall of the cabinet structure, such as the first and second sidewalls **66**, **68** of the cabinet structure **60** at the respective inner surfaces **67**, **69** thereof.

(156) Referring now to FIG. **54**, another embodiment of a hinge bracket **650**E is shown. The hinge bracket **650**E includes a body portion **850** having a first portion **852**, a second portion **854** and a third portion **856**. The first portion **852** of the hinge bracket **650**E is a substantially horizontal portion that includes upper and lower surfaces **852**A, **852**B. The second portion **854** of the hinge bracket **650**E is a substantially upright portion that extends orthogonally in an upright direction from the upper surface **852**A of the first portion **852** of the hinge bracket **650**E. The second portion

**854** of the hinge bracket **650**E includes a front surface **854**A (FIG. **56**) and a rear surface **854**B. The third portion **856** of the hinge bracket **650**E extends outwardly in a forward direction from the front surface **854**A of the second portion **854** of the hinge bracket **650**E. The third portion **856** of the hinge bracket **650**E includes an upper surface **856**A. As shown in FIG. **54**, the third portion **856** extends outwardly from an upper portion of the second portion **854** of the hinge bracket **650**E, while the first portion **852** extends rearwardly from a lower portion of the second portion **854** of the hinge bracket **650**E. Thus, the first portion **852** is vertically offset from, but substantially parallel to, the third portion **856**. The second portion **854** of the hinge bracket **650**E is substantially perpendicular to both the first portion **852** and the third portion **856**. In this way, the hinge bracket **650**E includes an overall S-shaped configuration between the first, second and third portions **852**, **854** and **856** thereof. The lower surface **852**B of hinge bracket **650**E is configured to abut the outer surface **43** of the top wall of the refrigerator **10**, as best shown in FIG. **56**.

(157) As further shown in FIG. **54**, the hinge bracket **650**E includes first and second sidewalls **862**, **864** disposed on opposite sides of the body portion **850**. The first sidewall **862** includes a plurality of apertures **866** disposed therethrough. The apertures of the plurality of apertures **866** of the first sidewall **862** are configured to couple the hinge bracket **650**E to a mounting bracket **880** (FIG. **55**), as further described below. Similarly, the second sidewall **864** includes a plurality of apertures **868** disposed therethrough. The apertures of the plurality of apertures **868** of the second sidewall **864** are also configured to couple the hinge bracket **650**E to a mounting bracket **880** (FIG. **55**), as further described below. In the embodiment shown in FIG. **54**, the hinge bracket **650**E includes a plurality of braces **870**, **872** and **874** which are configured in a generally triangular shape, and which interconnect the first second and third portions **852**, **854** and **856** of the hinge bracket **650**E to provide a reinforcement feature for the hinge bracket **650**E.

(158) Referring now to FIG. **55**, a mounting bracket **880** is shown. Together, the mounting bracket **880** and the hinge bracket **650**E define another upper bracket system **648**E. The mounting bracket **880** includes a first portion **882** and a second portion **884**. The first portion **882** of the mounting bracket **880** includes a generally planar body portion **886** having first and second downwardly turned end walls **888**, **890**. The second downwardly turned end wall **890** includes a plurality of apertures **892**. The plurality of apertures **892** are shown in a configuration similar to the plurality of apertures **868** disposed on the second sidewall **864** of the hinge bracket **650**E, as shown in FIG. **54**. It is contemplated that a plurality of apertures is disposed on the first downwardly turned end wall **888** of the mounting bracket **880** as well, that is similar in configuration to the plurality of apertures **892** of the second downwardly turned end wall **890**. In this way, it is contemplated that the plurality of apertures disposed on the first downwardly turned end wall **888** of the mounting bracket **880** is similar in configuration to the plurality of apertures **866** disposed on the first sidewall **862** of the hinge bracket **650**E, as shown in FIG. **54**. In this way, the body portion **886** and the first and second downwardly turned end walls **888**, **890** of the first portion **882** of the mounting bracket **880** provide for an overall inverted U-shaped configuration for the first portion **882** of the mounting bracket **880**. In assembly, as best shown in FIG. **56**, the first portion **882** of the mounting bracket **880** is configured to be received over the third portion **856** of the hinge bracket **650**E, such that the body portion **886** of the first portion **882** of the mounting bracket **880** abuts the upper surface **856**A of the third portion **856** of the hinge bracket **650**E when the mounting bracket **880** is coupled thereto. For coupling the mounting bracket **880** to the hinge bracket **650**E, the first and second downwardly turned ends **888**, **890** are contemplated to be aligned with the respective first and second sidewalls **862**, **864** of the hinge bracket **650**E, such that the apertures thereof are aligned and ready for coupling to one another. In FIG. **56**, the upper bracket system **648**E is shown mounted between the refrigerator **10** and the cabinet structure **60**.

(159) With further reference to FIG. **55**, the second portion **884** of the mounting bracket **880** includes a generally planar body portion **896** having first and second downwardly turned end walls **898**, **900**. The first and second downwardly turned end walls **898**, **900** each include a plurality of

apertures **902**, **904**, respectively. The plurality of apertures **902** and **904** of the first and second downwardly turned end walls **898**, **900** are provided to receive fasteners therethrough to couple the first and second downwardly turned end walls **898**, **900** to the opposed side walls **66**, **68** of the cabinet structure **60** at the respective inner surfaces **67**, **69** thereof, as best shown in FIG. **56**. The body portion **896** and the first and second downwardly turned end walls **898**, **900** of the second portion **884** of the mounting bracket **880** provide for an overall inverted U-shaped configuration for the second portion **884** of the mounting bracket **880**. While the second portion **884** of the mounting bracket **880** includes a similar configuration to the first portion **882** of the mounting bracket **880**, the second portion **884** of the mounting bracket **880** is provided with the body portion **896** thereof in a forward and upward position relative to the body portion **886** of the first portion **882** of the mounting bracket **880**. Further, the body portion **896** of the second portion **884** of the mounting bracket **880** is longer than the body portion **886** of the first portion **882** of the mounting bracket **880**. In this way, the first and second downwardly turned end walls **898**, **900** are positioned both forward and outward relative to the first and second downwardly turned end walls **888**, **890** of the first portion **882** of the mounting bracket **880**, respectively. As further shown in FIG. **55**, the body portion **896** of the second portion **884** of the mounting bracket **880** includes apertures **897** disposed therethrough along a front edge **899** of the body portion **896**. In assembly, as best shown in FIG. **56**, the second portion **884** of the mounting bracket **880** is configured to abut the inner surface **63** of the top wall **62** of the cabinet structure **60**, such that the apertures **897** are accessible for mounting the mounting bracket **880** to the top wall **62** of the cabinet structure **60**. With the mounting bracket **880** coupled to the top wall **62** of the cabinet structure **60**, and the first portion **852** of the hinge bracket **650**E supported on the top wall **42** of the refrigerator **10**, the refrigerator **10** can be inserted into the cabinet enclosure **80** of the cabinet structure **60** until the first and second sidewalls **862**, **864**, and the respective apertures **866**, **868** thereof, of the hinge bracket **650**E are aligned with the first and second downwardly turned end walls **888**, **890**, and the respective apertures thereof, of the first portion **882** of the mounting bracket **880** and configured for coupling to one another using fasteners.

(160) Referring now to FIGS. **57** and **58**, a hinge bracket **650**F is shown having a number of features in common with hinge bracket **650** described above. As such, like reference numerals are used in FIGS. **57** and **58** to identify common features shared between the hinge brackets **650** and **650**F. The hinge bracket **650**F defines another upper bracket system **648**F of the present concept. As shown in FIGS. **57** and **58**, the hinge bracket **650**F includes a first portion **652** and a second portion **654**. The first portion **652** of the hinge bracket **650**F is a substantially horizontal portion that includes an upper surface (FIG. **57**) and a lower surface **652**B (FIG. **58**). The second portion **654** of the hinge bracket **650**F is a substantially upright portion that extends orthogonally in an upright direction from the upper surface **652**A of the first portion **652** of the hinge bracket **650**F. The second portion **654** of the hinge bracket **650** includes front and rear surfaces **654**A, **654**B. The hinge bracket **650**F includes an overall L-shaped configuration between the first and second portions **652**, **654** thereof.

(161) As further shown in FIGS. **57** and **58**, the first portion **652** of the hinge bracket **650**F includes first and second ends **910**, **912** that are opposed to one another. A first side bracket **914** is positioned on the first end **910** in a substantially upright manner. The first side bracket **914** is substantially perpendicular to both the first and second portions **652**, **654** of the hinge bracket **650**F, and includes inner and outer surfaces **914**A, **914**B. The first side bracket **914** includes a plurality of apertures **916** disposed therethrough. In the embodiment shown in FIGS. **57** and **58**, the plurality of apertures **916** includes three pairs of spaced-apart apertures for a total of six apertures altogether. In assembly, the outer surface **914**B of the first side bracket **914** is configured to abut the inner surface **67** of the first sidewall **66** of the cabinet structure **60** when the hinge bracket **650**F is positioned on the top wall **42** of the refrigerator **10** and received within the cabinet enclosure **80** of the cabinet structure **60**. In this way, the plurality of apertures **916** of the first side bracket **914** are accessible

for coupling the first side bracket **914** to the first sidewall **66** of the cabinet structure **60** using fasteners.

(162) As further shown in FIGS. **57** and **58**, a second side bracket **918** is positioned on the first end **910** in a substantially upright manner. The second side bracket **918** is substantially perpendicular to both the first and second portions **652**, **654** of the hinge bracket **650**F, and includes inner and outer surfaces **918**A, **918**B. The second side bracket **918** includes a plurality of apertures **920** disposed therethrough. In the embodiment shown in FIGS. **57** and **58**, the plurality of apertures **920** includes three pairs of spaced-apart apertures for a total of six apertures altogether. In assembly, the outer surface **918**B of the second side bracket **918** is configured to abut the inner surface **69** of the second sidewall **68** of the cabinet structure **60** when the hinge bracket **650**F is positioned on the top wall **42** of the refrigerator **10** and received within the cabinet enclosure **80** of the cabinet structure **60**. In this way, the plurality of apertures **920** of the second side bracket **918** are accessible for coupling the second side bracket **918** to the second sidewall **68** of the cabinet structure **60** using fasteners.

(163) As further shown in FIG. **58**, the first portion **652** of the hinge bracket **650**F includes first and second sets of apertures **921**, **922** which may be used to couple the hinge support brackets, such as first and second hinge support brackets **700**, **701** described above, to the hinge bracket **650**F.

(164) Referring now to FIGS. **59** and **60**, another embodiment of a hinge bracket **650**G is shown having a number of features in common with hinge bracket **650**F. As such, like reference numerals are used to identify common features between hinge brackets **650**F and **650**G. The hinge bracket **650**G defines another upper bracket system **648**G of the present concept. In the embodiment shown in FIGS. **59** and **60**, the hinge bracket **650**G includes a third portion **930**. The third portion **930** of the hinge bracket **650**G extends outwardly in a forward direction from the front surface **654**A (FIG. **60**) of the second portion **654** of the hinge bracket **650**G. The third portion **930** of the hinge bracket **650**G includes an upper surface **930**A and a lower surface **930**B. As shown in FIGS. **59** and **60**, the third portion **930** of the hinge bracket **650**G extends outwardly from an upper portion of the second portion **654** of the hinge bracket **650**G, while the first portion **652** extends rearwardly from a lower portion of the second portion **654** of the hinge bracket **650**G. Thus, the first portion **652** is vertically offset from, but substantially parallel to, the third portion **930**. The second portion **654** of the hinge bracket **650**G is substantially perpendicular to both the first portion **652** and the third portion **930**. In this way, the hinge bracket **650**G includes an overall S-shaped configuration between the first, second and third portions **652**, **654** and **930** thereof.

(165) As further shown in FIGS. **59** and **60**, the third portion **930** of hinge bracket **650**G includes first, second and third mounting flanges **932**, **934** and **936** which are disposed over respective apertures **933**, **935** and **937**. The mounting flanges **932**, **934** and **936** include similar features, such that the description of the third mounting flange **936** will describe the first and second mounting flanges **932**, **934** as well. The third mounting flange **936** includes a tab portion **940** that is vertically spaced-apart from the upper surface **930**A of the third portion **930** by an angled portion **942**. Specifically, the angled portion **942** extends upwardly at a forward angle from the upper surface **930**A of the third portion **930** of hinge bracket **650**G. The tab portion **824** is contemplated to be vertically spaced-apart, but substantially planar with the upper surface **930**A of the third portion **930** of hinge bracket **650**G. Apertures **944** define one or more apertures disposed through the tab portion **940** of the third mounting flange **936**, and are used to couple the hinge bracket **650**G to the top wall **62** of the cabinet structure **60** at the inner surface **63** thereof. In this way, the first, second and third mounting flanges **932**, **934** and **936** are similar in configuration and function to mounting flanges **818**, **820** and **822** described above with reference to FIGS. **50** and **51**. Having the first, second and third mounting flanges **932**, **934** and **936** for coupling to the top wall **62** of the cabinet structure, it is contemplated that the hinge bracket **650**G may also be provided in another embodiment, wherein the first and second side brackets **914**, **918** thereof are removed from the hinge bracket **650**G.

(166) With reference to the systems discussed above, it is contemplated that any combination of

side-mounting bracket systems, such as side-mounting bracket systems **82**-**82**E discussed above, and upper bracket systems, such as upper bracket systems **648**-**648**E discussed above, can be used together to couple a refrigerator to a cabinet structure. Similarly, any lower mounting system, such as the roller box assembly **550** and machine room cover **56** and braces **500**, **501** can be used with the above mentioned systems.

(167) According to one aspect of the disclosure, a bracket system for use between an outer surface of an appliance and an inner surface of a cabinet structure includes a mounting bracket with an inner wall spaced-apart from an outer wall with at least one sidewall that interconnects the inner wall and the outer wall. A channel is defined between the inner wall and the outer wall. A plurality of apertures is provided through the outer wall. Each aperture of the plurality of apertures opens into the channel. The inner wall is configured to abut the outer surface of the appliance. A trim member includes first and second mounting portions and an abutment portion inwardly offset from the first and second mounting portions. The first mounting portion includes a plurality of apertures disposed therethrough. One or more of the apertures of the plurality of apertures of the first mounting portion of the trim member align with one or more of the apertures of the plurality of apertures of the mounting bracket to define aligned mounting apertures therebetween. An inner surface of the first mounting portion abuts the outer wall of the mounting bracket and a portion of an inner surface of the abutment portion is configured to abut the outer surface of the appliance. The second mounting portion includes a plurality of apertures disposed therethrough. An outer surface of the second mounting portion is configured to abut the inner surface of the cabinet structure.

(168) According to another aspect of the disclosure, the at least one sidewall of the mounting bracket defines a first sidewall, and a second sidewall extends outwardly from the inner wall of the mounting bracket towards the outer wall of the mounting bracket.

(169) According to another aspect of the disclosure, the second sidewall includes a distal end spaced-apart from the outer wall of the mounting bracket to define an opening into the channel of the mounting bracket.

(170) According to another aspect of the disclosure, one or more apertures of the plurality of apertures provided through the outer wall of the mounting bracket include a threaded insert coupled thereto.

(171) According to another aspect of the disclosure, a fastener is received in one or more of the aligned mounting apertures and threadingly engaged with the threaded insert.

(172) According to another aspect of the disclosure, the first mounting portion includes a body portion having a thickness that is less than a thickness of a body portion of the second mounting portion and less than a thickness of a body portion of the abutment portion.

(173) According to another aspect of the disclosure, the second mounting portion includes a tab inwardly extending from an inner surface of the second mounting portion.

(174) According to another aspect of the disclosure, the trim member includes an inwardly angled transverse portion disposed between the first mounting portion and the abutment portion.

(175) According to yet another aspect of the disclosure, an inner surface of the abutment portion includes first and second abutment locations configured to abut the outer surface of the appliance with an outwardly extending interconnecting web disposed between the first and second abutment locations.

(176) According to another aspect of the disclosure, a bracket system for use between an outer surface of an appliance and an inner surface of a cabinet structure includes a mounting bracket with an inner wall spaced-apart from an outer wall with an intermediate wall interconnecting the inner wall and the outer wall. The inner wall is configured to abut the outer surface of the appliance, and a plurality of apertures is provided through the outer wall. A trim member includes a front mounting portion and a rear mounting portion spaced-apart from one another along a body portion of the trim member. The front and rear mounting portions each include a plurality of apertures

disposed therethrough. One or more of the apertures of the plurality of apertures of the rear mounting portion of the trim member align with one or more of the apertures of the plurality of apertures of the mounting bracket to define aligned mounting apertures therebetween. An inner surface of the rear mounting portion abuts the outer wall of the mounting bracket. An outer surface of the front mounting portion is configured to abut the inner surface of the cabinet structure.
(177) According to another aspect of the disclosure, the apertures of the plurality of apertures provided through the outer wall of the mounting bracket include a threaded insert coupled thereto.
(178) According to another aspect of the disclosure, a fastener is received in one or more of the aligned mounting apertures and threadingly engaged with the threaded insert.
(179) According to yet another aspect of the disclosure, the plurality of apertures of the front mounting portion are disposed adjacent to a front edge of the trim member and vertically spaced-apart therealong.
(180) According to yet another aspect of the disclosure, an appliance mounting system includes an appliance having a sidewall with an outer surface. A mounting bracket includes an inner wall spaced-apart from an outer wall. The outer wall includes a plurality of apertures provided therethrough. The inner wall is coupled to the outer surface of the sidewall of the appliance. A trim member includes first and second mounting portions. The first mounting portion and the second mounting portion each include a plurality of apertures disposed therethrough. One or more of the apertures of the plurality of apertures of the first mounting portion of the trim member align with one or more of the apertures of the plurality of apertures of the mounting bracket to define aligned mounting apertures therebetween. An inner surface of the first mounting portion abuts the outer wall of the mounting bracket. A cabinet structure includes a sidewall with an inner surface to at least partially define a cabinet enclosure. The appliance is received within the cabinet enclosure of the cabinet structure. An outer surface of the second mounting portion of the trim member abuts the inner surface of the sidewall of the cabinet structure.
(181) According to another aspect of the disclosure, one or more apertures of the plurality of apertures provided through the outer wall of the mounting bracket include a threaded insert coupled thereto.
(182) According to another aspect of the disclosure, a fastener is received in one or more of the aligned mounting apertures and threadingly engaged with the threaded insert.
(183) According to another aspect of the disclosure, a fastener is received in one or more of the apertures of the plurality of apertures of the second mounting portion of the trim member to couple the trim member to the sidewall of the cabinet structure.
(184) According to another aspect of the disclosure, the appliance includes a vacuum insulated cabinet structure having an external wrapper comprised of a metal material. The mounting bracket is welded to the external wrapper.
(185) According to another aspect of the disclosure, the vacuum insulated cabinet structure includes a vacuum cavity positioned between the external wrapper and one or more liners. The vacuum cavity includes a negative internal pressure.
(186) According to another aspect of the disclosure, the trim member includes an abutment portion inwardly offset from the first and second mounting portions. A portion of an inner surface of the abutment portion abuts the outer surface of the side wall of the appliance.
(187) According to another aspect of the disclosure, a bracket system for use between an outer surface of an appliance and an inner surface of a cabinet structure includes a mounting bracket having a body portion with an inner wall spaced-apart from an outer wall and a sidewall interconnecting the inner wall and the outer wall. A first end of the body portion is positioned on the inner wall and a second end of the body portion is positioned on the outer wall. A plurality of tabs rearwardly extends from the second end of the outer wall, and the tabs of the plurality of tabs are vertically spaced-apart along a length of the body portion of the mounting bracket. A trim member includes first and second mounting portions, an abutment portion and a plurality of slots.

The slots of the plurality of slots are vertically spaced-apart along a length of the trim member. The tabs of the plurality of tabs of the mounting bracket are received through respective slots of the plurality of slots of the trim member to couple the trim member to the mounting bracket. An inner surface of the first mounting portion abuts the outer wall of the mounting bracket as coupled thereto.

(188) According to another aspect of the disclosure, the abutment portion of the trim member is inwardly offset from the first mounting portion by an inwardly angled transverse portion.

(189) According to another aspect of the disclosure, the plurality of slots are disposed through the inwardly angled transverse portion of the trim member.

(190) According to another aspect of the disclosure, each tab of the plurality of tabs of the mounting bracket is inwardly disposed relative to the outer wall of the mounting bracket.

(191) According to another aspect of the disclosure, each tab of the plurality of tabs of the mounting bracket includes a body portion having an inner surface and an outer surface.

(192) According to another aspect of the disclosure, each slot of the plurality of slots of the trim member includes a front edge and a rear edge which respectively abut the outer surface and the inner surface of the body portion of each tab of the plurality of tabs on opposite sides of the tab.

(193) According to another aspect of the disclosure, an outer surface of the inner wall of the mounting member and a portion of an inner surface of the abutment portion of the trim member are configured to abut the outer surface of the appliance.

(194) According to another aspect of the disclosure, an outer surface of the second mounting portion of the trim member is configured to abut the inner surface of the cabinet structure.

(195) According to another aspect of the disclosure, a bracket system for use between an outer surface of an appliance and an inner surface of a cabinet structure includes a mounting bracket having a body portion with an outer wall and a plurality of hook members vertically spaced-apart along a length of the body portion. A trim member includes first and second mounting portions, an abutment portion and a plurality of cutouts. The cutouts of the plurality of cutouts are vertically spaced-apart along a length of the trim member. The hook members of the plurality of hook members of the mounting bracket are received through respective cutouts of the plurality of cutouts of the trim member to couple the trim member to the mounting bracket. An inner surface of the first mounting portion abuts the outer wall of the mounting bracket as coupled thereto.

(196) According to another aspect of the disclosure, each hook member of the plurality of hook members of the mounting bracket includes an upwardly extending tab.

(197) According to another aspect of the disclosure, each upwardly extending tab is outwardly disposed relative to the outer wall of the mounting bracket to define spacings positioned between each upwardly extending tab and the outer wall of the mounting bracket.

(198) According to another aspect of the disclosure, each upwardly extending tab is disposed over an open aperture.

(199) According to another aspect of the disclosure, portions of the second mounting portion disposed above each open aperture are received in the spacings when the trim member is coupled to the mounting bracket.

(200) According to another aspect of the disclosure, each upwardly extending tab includes a body portion having an upper edge and first and second side edges, wherein the first and second side edges define a width of the body portion of each hook member, and further wherein the body portion of each hook member includes an inner surface and an outer surface.

(201) According to another aspect of the disclosure, a bracket system for use between an outer surface of an appliance and an inner surface of a cabinet structure includes a mounting bracket having a body portion with an outer wall and a plurality of mounting flanges vertically spaced-apart along a length of the body portion. Each mounting flange of the plurality of mounting flanges includes a tab outwardly extending from the outer wall. A trim member includes a body portion with a plurality of cutouts. The cutouts of the plurality of cutouts are vertically spaced-apart along a

length of the trim member. Each tab of each mounting flange of the plurality of mounting flanges of the mounting bracket is received through respective cutouts of the plurality of cutouts of the trim member to couple the trim member to the mounting bracket.
(202) According to another aspect of the disclosure, each tab of the mounting bracket is disposed over an open aperture positioned through the body portion of the mounting bracket.
(203) According to another aspect of the disclosure, each tab of the mounting bracket includes upper and lower transitional portions interconnecting each tab to the outer wall of the mounting bracket.
(204) It will be understood by one having ordinary skill in the art that construction of the described disclosure and other components is not limited to any specific material. Other exemplary embodiments of the disclosure disclosed herein may be formed from a wide variety of materials, unless described otherwise herein.
(205) For purposes of this disclosure, the term “coupled” (in all of its forms, couple, coupling, coupled, etc.) generally means the joining of two components (electrical or mechanical) directly or indirectly to one another. Such joining may be stationary in nature or movable in nature. Such joining may be achieved with the two components (electrical or mechanical) and any additional intermediate members being integrally formed as a single unitary body with one another or with the two components. Such joining may be permanent in nature or may be removable or releasable in nature unless otherwise stated.
(206) It is also important to note that the construction and arrangement of the elements of the disclosure as shown in the exemplary embodiments is illustrative only. Although only a few embodiments of the present innovations have been described in detail in this disclosure, those skilled in the art who review this disclosure will readily appreciate that many modifications are possible (e.g., variations in sizes, dimensions, structures, shapes and proportions of the various elements, values of parameters, mounting arrangements, use of materials, colors, orientations, etc.) without materially departing from the novel teachings and advantages of the subject matter recited. For example, elements shown as integrally formed may be constructed of multiple parts or elements shown as multiple parts may be integrally formed, the operation of the interfaces may be reversed or otherwise varied, the length or width of the structures and/or members or connector or other elements of the system may be varied, the nature or number of adjustment positions provided between the elements may be varied. It should be noted that the elements and/or assemblies of the system may be constructed from any of a wide variety of materials that provide sufficient strength or durability, in any of a wide variety of colors, textures, and combinations. Accordingly, all such modifications are intended to be included within the scope of the present innovations. Other substitutions, modifications, changes, and omissions may be made in the design, operating conditions, and arrangement of the desired and other exemplary embodiments without departing from the spirit of the present innovations.
(207) It will be understood that any described processes or steps within described processes may be combined with other disclosed processes or steps to form structures within the scope of the present disclosure. The exemplary structures and processes disclosed herein are for illustrative purposes and are not to be construed as limiting.

## Claims

1. A bracket system for use between an outer surface of an appliance and opposed inner surfaces of a cabinet structure, the bracket system comprising: a hinge bracket having a first portion with upper and lower surfaces, a second portion extending upwardly from the upper surface of the first portion of the hinge bracket and having front and rear surfaces, and a third portion extending outwardly in a forward direction from the front surface of the second portion of the hinge bracket; and a mounting bracket having first and second portions, wherein the first portion of the mounting

bracket is a substantially horizontal portion that includes upper and lower surfaces, and further wherein the second portion of the mounting bracket is a substantially vertical portion that extends downwardly from the lower surface of the first portion of the mounting bracket, such that the first portion of the mounting bracket rearwardly extends from the rear surface of the second portion of the mounting bracket, wherein the second portion of the mounting bracket includes front and rear surfaces, and further wherein the second portion of the mounting bracket is coupled to the second portion of the hinge bracket, such that the front surface of the second portion of the mounting bracket abuts the rear surface of the second portion of the hinge bracket.

2. The bracket system of claim 1, wherein the hinge bracket includes an overall S-shaped configuration between the first, second and third portions thereof.

3. The bracket system of claim 1, wherein the hinge bracket includes first and second side mounting flanges disposed on opposed ends of the third portion of the hinge bracket, respectively.

4. The bracket system of claim 3, wherein the first and second side mounting flanges extend downwardly from the opposed ends of the third portion of the hinge bracket.

5. The bracket system of claim 1, including: at least one hinge support bracket, wherein the at least one hinge support bracket includes a first portion with upper and lower surfaces and a second portion extending upwardly from the upper surface of the first portion of the at least one hinge support bracket and having front and rear surfaces, wherein the first and second portions of the at least one hinge support bracket are coupled to the first and second portions of the hinge bracket, respectively.

6. The bracket system of claim 5, wherein the at least one hinge support bracket includes first and second hinge support brackets disposed on opposite ends of the hinge bracket.

7. A mounting system, comprising: a cabinet structure having a top wall with an inner surface, a first sidewall with an inner surface, and a second sidewall with an inner surface, wherein the top wall and the first and second sidewalls cooperate to partially define a cabinet enclosure; an appliance received within the cabinet enclosure, wherein the appliance includes an upper surface; a hinge bracket coupled the cabinet structure above the appliance and having first and second portions, wherein the second portion of the hinge bracket extends outwardly from a front surface of the first portion of the hinge bracket; and a mounting bracket having first and second portions, wherein the first portion of the mounting bracket is coupled to the inner surface of the top wall of the cabinet structure, and further wherein the second portion of the mounting bracket extends downwardly from the first portion of the mounting bracket and is coupled to the first portion of the hinge bracket, such that a front surface of the second portion of the mounting bracket abuts a rear surface of the first portion of the hinge bracket.

8. The mounting system of claim 7, wherein a third portion of the hinge bracket extends rearwardly from a rear surface of the first portion, and further wherein a lower surface of the third portion of the hinge bracket abuts the upper surface of the appliance.

9. The mounting system of claim 8, wherein the second and third portions of the hinge bracket are vertically offset from one another.

10. The mounting system of claim 9, wherein the hinge bracket includes first and second side mounting flanges disposed on opposed ends of the second portion of the hinge bracket, respectively, and further wherein the first and second side mounting flanges are coupled to the inner surfaces of the first and second sidewalls of the cabinet structure, respectively.

11. The mounting system of claim 10, wherein the second portion of the hinge bracket includes at least one mounting flange extending upwardly from an upper surface of the second portion of the hinge bracket, and further wherein the at least one mounting flange includes a tab portion that is coupled to the inner surface of the top wall of the cabinet structure.

12. The mounting system of claim 11, wherein the at least one mounting flange includes a plurality of mounting flanges disposed along the second portion of the hinge bracket.

13. The mounting system of claim 7, including: a first hinge support bracket having a first portion

and a second portion, wherein the second portion of the first hinge support bracket extends upwardly from the first portion of the first hinge support bracket, and further wherein the first hinge support bracket is coupled to a first end of the first portion of the hinge bracket.

14. The mounting system of claim 13, including: a second hinge support bracket having a first portion and a second portion, wherein the second portion of the second hinge support bracket extends upwardly from the first portion of the second hinge support bracket, and further wherein the second hinge support bracket is coupled to a second end of the first portion of the hinge bracket.