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(54) **STRUCTURE OF GRIP OF BAG AND METHOD FOR ATTACHMENT OF SAME**

STRUKTUR EINES GRIFFS EINER TASCHE UND VERFAHREN ZUR BEFESTIGUNG DAVON
STRUCTURE DE POIGNÉE DE SAC ET SON PROCÉDÉ DE FIXATION

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EP 3 172 984 B9

Description

TECHNICAL FIELD

5 [0001] The present invention relates to a structure of a hand-carrying portion of a bag such as a handbag, a shoulder bag, and the like, and a method for attaching the same.

BACKGROUND TECHNOLOGY

10 [0002] A handle attachment structure disclosed in JP 4430734 B1, for example, is proposed for the hand-carrying portion of the handbag, the shoulder bag, and the like.

[0003] According to the handle attachment structure of JP 4430734 B1, the handle is formed by joining an outer handle section and an inner handle section, a distal end portion of the outer handle section being attached to a surface of a body and a distal end portion of the inner handle section being attached while being sandwiched between the body and an upper gore section, and handle excels in durability so that the bag can be used over many years.

15 [0004] However, since the handle is attached to the upper part of the body in the handle attachment structure of JP 4430734 B1, the body and the upper gore portion are drawn closer each time the bag is lifted up, and the body may stretch.

[0005] Further, the handle tends to fall outward, thereby deforming also the body.

20 SUMMARY

[0006] An object of the present invention is to provide a structure of a hand-carrying portion that less tends to fall and is capable of keeping a predetermined shape, and a method for attaching the same.

25 [0007] This object is achieved by a hand-carrying portion for a bag according to claim 1, and by a method for attaching a hand-carrying portion to a bag according to claim 5.

EFFECTS OF THE INVENTION

30 [0008] According to claim 2, the support member has a plurality of band-shaped bodies laminated, with the laminated band-shaped bodies curved in their width to form the overlapping region in an arch shape with a substantially C-shaped cross section. Therefore, the hand-carrying member can be raised upward.

[0009] The above-described object and other objects, characteristics, and advantages of this invention will become more apparent from the following description of best mode for carrying out the invention with reference to the drawings.

35 BRIEF DESCRIPTION OF THE DRAWINGS

[0010]

40 Fig. 1 is a perspective view of a bag using a structure of a hand-carrying portion of a bag according to one embodiment of the present invention.

Fig. 2 is a perspective view of a rear side of the bag of Fig. 1.

Fig. 3 is an opposite side view showing the structure of the hand-carrying portion of the bag of Fig. 1.

Fig. 4 is a side view showing the structure of the hand-carrying portion of the bag of Fig. 1.

Fig. 5 is an end face view along I-I of Fig. 4.

45 Fig. 6 is a perspective view showing the structure of the hand-carrying portion of the bag of Fig. 1.

Fig. 7 is a cross-sectional view showing the structure of the hand-carrying portion of the bag of Fig. 1.

Fig. 8 is a perspective view showing a manufacturing process of the hand-carrying portion of the bag of Fig. 1.

Fig. 9 is views showing a process of manufacturing the hand-carrying portion of the bag of Fig. 1, in which (a) is a perspective view and (b) is a cross-sectional view.

50 Fig. 10 is views showing a process of manufacturing the hand-carrying portion of the bag of Fig. 1, in which (a) is a perspective view and (b) is a cross-sectional view.

Fig. 11 is a perspective view showing a manufacturing process of the hand-carrying portion of the bag of Fig. 1.

Fig. 12 is views showing a process of manufacturing the hand-carrying portion of the bag of Fig. 1, in which (a) is a perspective view and (b) is a cross-sectional view.

55 Fig. 13 is a perspective view showing a manufacturing process of the hand-carrying portion of the bag of Fig. 1.

Fig. 14 is a perspective view showing a manufacturing process of the hand-carrying portion of the bag of Fig. 1.

Fig. 15 is a perspective view showing the structure of the hand-carrying portion of the bag of Fig. 1.

Fig. 16 is a perspective view showing the structure of the hand-carrying portion of the bag of Fig. 1.

Fig. 17 is a cross-sectional view showing the structure of the hand-carrying portion of the bag of Fig. 1.

Fig. 18 is a front view of the bag using the structure of a hand-carrying portion of a bag of another embodiment of the present invention.

Fig. 19 is a side view of the bag using the structure of a hand-carrying portion of a bag of another embodiment of the present invention.

Fig. 20 is a cross-sectional view along VII-VII of Fig. 19.

Fig. 21 is a perspective view showing a manufacturing process of the hand-carrying portion of the bag of Fig. 18.

Fig. 22 is views showing a process of manufacturing the bag of Fig. 18, in which (a) is a perspective view and (b) is a cross-sectional view.

Fig. 23 is a partially-enlarged perspective view with a portion near the hand-carrying portion of the bag of Fig. 18 enlarged.

Fig. 24 is a diagram for describing the bag according to the present invention.

Fig. 25 is a diagram for describing the bag according to the present invention.

Fig. 26 is a perspective view of a bag using the structure of a hand-carrying portion of a bag according to still another embodiment of the present invention.

Fig. 27 is a perspective view of a front side of the bag of Fig. 26.

Fig. 28 is an opposite side view showing the structure of the hand-carrying portion of the bag of Fig. 26.

Fig. 29 is a side view showing the structure of the hand-carrying portion of the bag of Fig. 26.

Fig. 30 is an end face view along I-I of Fig. 29.

Fig. 31 is a side view showing the structure of the hand-carrying portion of the bag of Fig. 26.

Fig. 32 is views showing the structure of the hand-carrying portion of the bag of Fig. 26, in which (a) is a perspective view and (b) is a view along a II-II plane.

Fig. 33 is a perspective view showing a manufacturing process of the hand-carrying portion of the bag of Fig. 26.

Fig. 34 is a perspective view showing a manufacturing process of the hand-carrying portion of the bag of Fig. 26.

Fig. 35 is views showing a process of manufacturing the hand-carrying portion of the bag of Fig. 26, in which (a) is a perspective view and (b) is a view along a V-V end face.

Fig. 36 is a perspective view showing a manufacturing process of the hand-carrying portion of the bag of Fig. 26.

Fig. 37 is views showing a process of manufacturing the hand-carrying portion of the bag of Fig. 26, in which (a) is a perspective view, (b) is a cross-sectional view along VI-VI, and (c) is a cross-sectional view along VII-VII.

Fig. 38 is partially-enlarged views with a portion near a crest portion of the hand-carrying portion of the bag of Fig. 26, in which (a) is a perspective view and (b) is a cross-sectional view.

Fig. 39 is a perspective view showing the structure of the hand-carrying portion of the bag of Fig. 26.

Fig. 40 is a perspective view showing the structure of the hand-carrying portion of the bag of Fig. 26.

Fig. 41 is a perspective view showing the structure of the hand-carrying portion of the bag of Fig. 26.

Fig. 42 is cross-sectional views showing the structure of the hand-carrying portion of the bag of Fig. 26, in which (a) is a cross-sectional view of an upper portion and (b) is a cross-sectional view of a lower portion.

Fig. 43 is a diagram for describing the bag according to the present invention.

Fig. 44 is a diagram for describing the bag according to the present invention.

BEST MODE FOR CARRYING OUT THE INVENTION

[0011] In the following, the structure of a hand-carrying portion of a bag of the present invention is described based on one embodiment.

[0012] Fig. 1 is a perspective view of a bag using a structure of a hand-carrying portion of a bag according to one embodiment of the present invention. Fig. 2 is a perspective view of a rear side of the bag of Fig. 1. Fig. 3 is an opposite side view showing the structure of the hand-carrying portion of the bag of Fig. 1. Fig. 4 is a side view showing the structure of the hand-carrying portion of the bag of Fig. 1. Fig. 5 is an end face view along I-I of Fig. 4. Fig. 6 is a perspective view showing the structure of the hand-carrying portion of the bag of Fig. 1. Fig. 7 is a cross-sectional view showing the structure of the hand-carrying portion of the bag of Fig. 1.

[0013] As shown in Fig. 1, the structure of the hand-carrying portion of the bag of the present invention can be used to attach a hand-carrying portion 14 to a bag main body 12 of a hand-carrying bag 10 such as an overnight bag, and the like. The structure of the hand-carrying portion of the bag of the present invention can also be used in a shoulder bag, and the like, other than the hand-carrying bag.

[0014] The bag main body 12 includes a front body portion 20, a back body portion 22 facing the front body portion 20, a gore portion 24 interposed between the front body portion 20 and the back body portion 22, and a bottom portion 26 arranged at the lower ends of the front body portion 20, the back body portion 22, and the gore portion 24.

[0015] An opening 28 between the front body portion 20 and the back body portion 22 is configured to be opened and closed with a zipper 30 provided at the open edge of the front body portion 20 and an open edge of the back body portion 22.

[0016] The gore portion 24 includes a left side gore portion 24A formed on the left side of the front body portion 20, and a right side gore portion 24B formed on the right side of the front body portion 20.

[0017] The bottom portion 26 is formed by sewing a bottom member 32 overlapped with the outer surfaces of the front body portion 20, the back body portion 22, and the gore portion 24 at the lower end edges of the front body portion 20, the back body portion 22, and the gore portion 24.

[0018] The bottom member 32 is entirely formed to a plate shape, where the peripheral edge thereof is sewed to the front body portion 20, the back body portion 22, and the gore portion 24 at a bottom member joining region 34 having a constant width.

[0019] The structure of the hand-carrying portion attached to the bag main body 12 of the present invention is applied to the hand-carrying portion 14 in which a hand-carrying region A1, which is to be carried by the person's hand, is attached to extend toward the upper side of the front body portion 20 and/or the back body portion 22 on the outer side of the bag main body 12.

[0020] The structure of the hand-carrying portion of the bag according to the present invention is a structure which supports a hand-carrying member 50 attached to the bag main body 12.

[0021] The hand-carrying member 50 includes a curved region 60, one overlapping region 62 and other overlapping region 64 formed continuously to both ends of the curved region 60, bridging regions (one bridging region 66 and other bridging region 68) formed continuously to the overlapping regions (one overlapping region 62 and other overlapping region 64), and fixing regions (one fixing region 70 and other fixing region 72) formed continuously to the one bridging region 66 and the other bridging region 68 configuring the bridging regions.

[0022] The outer hand-carrying member 50 is curved in a substantially U shape in a front view in the hand-carrying region A1.

[0023] In the outer hand-carrying member 50, the one bridging region 66 and the one fixing region 70 and the other bridging region 68 and the other fixing region 72 in an extended region which extends from the curved region 60 as divided leftward and rightward are attached with an appropriate space to the outside of the bag main body 12.

[0024] The longitudinal band-shaped hand-carrying member 50 is a linear longitudinal band-shaped body made of leather or fabric, and is formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges, that is, one longitudinal edge 52 and other longitudinal edge 54, together.

[0025] The hand-carrying member 50 has the curved region 60, the overlapping regions (one overlapping region 62 and other overlapping region 64), and portions nearby continued to the overlapping regions of the bridging regions (one bridging region 66 and other bridging region 68) formed in an arch shape with a substantially C-shaped cross section.

[0026] The hand-carrying member 50 has a support member 100 for each of the one bridging region 66 and the other bridging region 68, the support member 100 intervened between both of the longitudinal edges, that is, between the one longitudinal edge 52 and the other longitudinal edge 54, of the band-shaped body in the one bridging region 66 and the other bridging region 68.

[0027] The support members 100 are formed so as to extend along the one overlapping region 62 and the other overlapping region 64 of the hand-carrying member 50 in order to raise the hand-carrying member 50 upward from the bag main body 12.

[0028] The support member 100 is a linear longitudinal band-shaped body made of leather or fabric, including: an overlapping region 110 having at least its upper portion formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges (one longitudinal edge 102 and other longitudinal edge 104) together, a support region 112 extending downward from the overlapping region 110, and a fixing region 114 formed below the support region 112.

[0029] The support member 100 has both longitudinal edges, that is, the one longitudinal edge 102 and the other longitudinal edge 104, of the overlapping region 110 intervened between both longitudinal edges, that is, the one longitudinal edge 52 and the other longitudinal edge 54, of the hand-carrying member 50 formed in an arch shape with a substantially C-shaped cross section.

[0030] The support member 100 is coupled, with the overlapping region 110 of the support member 100 and the overlapping region (one overlapping region 62 and other overlapping region 64) of the hand-carrying member 50 sewed together so that a crest portion 150 of the support member 100 faces a crest portion 90 of the hand-carrying member 50 so as to be positioned oppositely thereto.

[0031] The support member 100 has the support region 112 formed in an arch shape with a substantially C-shaped cross section or a substantially U-shaped cross section at least near the overlapping region 110, and is fixed to the bag main body 12 in the fixing region 114 below the support region 112.

[0032] The hand-carrying member 50 extends downward from the fixing regions 114 of the support members 100 fixed to the bag main body 12, and is fixed to the bag main body 12 in the fixing regions (one fixing region 70 and other fixing region 72) of the hand-carrying member 50.

[0033] The support member 100 has a plurality of band-shaped bodies 130 and band-shaped bodies 140 laminated, with the laminated band-shaped bodies 130 and band-shaped bodies 140 curved in their width to form the overlapping

region 110 in an arch shape with a substantially C-shaped cross section.

[0034] The band-shaped bodies 130 and band-shaped bodies 140 are formed by folding portions near both band-shaped longitudinal edges made of leather or fabric inward and bonding folded portions together.

[0035] The band-shaped bodies 130 and band-shaped bodies 140 are configured so that the folded portions face each other to be laminated together to form one support member 100.

[0036] The support member 100 has formed therein: a closing portion 156 formed by curving the band-shaped bodies 130 and band-shaped bodies 140 at the center in a width direction with the band-shaped bodies 140 placed inward, closing the one longitudinal edge 102 and the other longitudinal edge 104 together, and sewing the one longitudinal edge 102 and the other longitudinal edge 104 together so that an inner side of the one longitudinal edge 102 and the other longitudinal edge 104 is curved to swell to an outer direction, that is, to a band-shaped bodies 130 side; a swelled portion 152 and a swelled portion 154 continued to the one longitudinal edge 102 and the other longitudinal edge 102; and the crest portion 150 of the support region 112 with the band-shaped bodies 130 and band-shaped bodies 140 curved at the center in the width direction.

[0037] The hand-carrying member 50 is formed by folding a band-shaped body 80 made of leather or fabric so that portions near both longitudinal edges made of band-shaped leather or fabric overlap each other inward, and bonding folded portions together.

[0038] The band-shaped body 80 is configured so that the folded portions face each other to be laminated together to form one hand-carrying member 50.

[0039] The hand-carrying member 50 has formed therein: a closing portion 96 formed by curving the band-shaped body 80 at the center in a width direction with the folded portions placed inward, closing the one longitudinal edge 52 and the other longitudinal edge 54 together, and sewing the one longitudinal edge 52 and the other longitudinal edge 54 together so that an inner side of the one longitudinal edge 52 and the other longitudinal edge 54 is curved to swell to an outer direction, that is, oppositely to the folded portions; a swelled portion 92 and a swelled portion 94 continued to the one longitudinal edge 52 and the other longitudinal edge 54; and the crest portion 90.

[0040] The outer hand-carrying member 50 and the inner support member 100 have different lengths, and the outer hand-carrying member 50 is longer than the inner support member 100.

[0041] The hand-carrying member 50 and the inner support member 100 have a substantially same width.

[0042] The outer hand-carrying member 50 is curved at a portion near the center in the width direction of the band-shaped body 80 in the overlapped regions, that is, the one overlapping region 62 and the other overlapping region 64 of the hand-carrying member 50 and the overlapping regions 110 of the support members 100.

[0043] The one overlapping region 62 and the other overlapping region 64 of the outer hand-carrying member 50 swell toward outside of the bag main body 12.

[0044] The support members 100 are curved at portions near the center in the width direction of the band-shaped bodies 130 in the overlapped regions, that is, the one overlapping region 62 and the other overlapping region 64 of the hand-carrying member 50 and the overlapping regions 110 of the support members 100.

[0045] The overlapping regions 110 of the support members 100 swell toward a bag main body 12 side.

[0046] In the support member 100, the closing portion 156 of the band-shaped bodies 130 and band-shaped bodies 140 in the overlapping region 110 is inserted from a space between the one longitudinal edge 52 and the other longitudinal edge 54 in the one overlapping region 62 (and other overlapping region 64) of the hand-carrying member 50 toward the inside of the crest portion 90 of the hand-carrying member 50, and the overlapping region 110 of the support member 100 and the one overlapping region 62 (and other overlapping region 64) of the hand-carrying member 50 are overlapped each other.

[0047] The one longitudinal edge 52 and the other longitudinal edge 54 in the one overlapping region 62 (and other overlapping region 64) of the hand-carrying member 50 reach near the crest portion 150 in the overlapping region 110 of the support member 100.

[0048] In the outer hand-carrying member 50 and the inner support member 100, in a region where the closing portion 96 of the band-shaped body 80 and the crest portion 150 of the band-shaped bodies 130 and band-shaped bodies 140 are overlapped each other, a portion near the longitudinal edges (one longitudinal edge 52 and other longitudinal edge 54) of the outer hand-carrying member 50 and a portion near the crest portion 150 of the inner one support member 100 are sewed together to form a sewing portion 160.

[0049] In the sewing portion 160, in an overlapping region between the one overlapping region 62 of the hand-carrying member 50 and the overlapping region 110 of the support member 100 and an overlapping region between the other overlapping region 64 of the hand-carrying member 50 and the overlapping region 110 of the support member 100 extending from the hand-carrying region A1, a portion near the one longitudinal edge 52 and the other overlapping region 64 of the hand-carrying member 50 and the crest portion 150 of the support member 100 are sewed together along the one longitudinal edge 52 and the other longitudinal edge 54 of the hand-carrying member 50.

[0050] The support region 112 of the support member 100 is located between the overlapping region 110 and the fixing region 114 where the inner support member 100 is attached to the surface of the bag main body 12. The support

region 112 is formed with the band-shaped bodies 130 and band-shaped bodies 140 curved at the center in the width direction, without the support region 112 portion being sewed.

[0051] The inner support members 100 have the overlapping regions 110 at one end attached to the one overlapping region 62 and the other overlapping region 64 of the hand-carrying member 50, and have the fixing regions 114 at the other end attached to the outer surface of the bag main body 12.

[0052] In this embodiment, the inner support members 100 have the overlapping regions 110 at one end sewed to the one overlapping region 62 and the other overlapping region 64 of the hand-carrying member 50 near the left side gore portion 24A (right side gore portion 24B) configuring the gore portion 24 near the opening 28 of the front body portion 20, and also have the fixing regions 114 at the other end sewed to portions near the right side gore portion 24B configuring the gore portion 24 near the opening 28 of the front body portion 20.

[0053] In a flat state of the long band-shaped bodies (band-shaped bodies 130 and band-shaped bodies 140) configuring the inner support member 100, a back surface side of the fixing region 114 is made in contact with and sewed to the outer surface of the bag main body 12.

[0054] In the inner support member 100, the support region 112, which is a non-joining region A4 not in contact with the outer hand-carrying member 50 and the bag main body 12, is formed between the overlapping region 110 and the one overlapping region 62 and the other overlapping region 64 of the outer hand-carrying member 50.

[0055] The inner support member 100 is in a mode of the band-shaped bodies 130 and band-shaped bodies 140 in which the long band-shaped bodies configuring the inner support member 100 are in a flat state on a side near the fixing region 114 in a non-sewing region A2 not sewed to the outer hand-carrying member 50.

[0056] The outer hand-carrying member 50 is curved in a U shape in a front view in the hand-carrying region A1.

[0057] The outer hand-carrying member 50 is attached to the outside of the bag main body 12 with an appropriate space from the outer surface of the bag main body 12 in an extended region extending from the one overlapping region 62 and the other overlapping region 64 overlapped with the inner support members 100 to a bottom direction of the bag main body 12.

[0058] In the outer hand-carrying member 50, in the one bridging region 66 and the other bridging region 68, which are extended regions extending from the one overlapping region 62 and the other overlapping region 64 in a joining region A3 joined to the inner support members 100, the non-sewing region A2 not sewed to the support member 100 and the bag main body 12 is formed to a position joined to the bag main body 12.

[0059] The outer hand-carrying member 50 is in a mode of a band-shaped body in which the long band-shaped body 80 configuring the outer hand-carrying member 50 is in a flat state at a part (a portion on one end and the other end sides below the one overlapping region 62 and the other overlapping region 64) of the non-sewing region A2 not sewed to the inner support members 100.

[0060] The one fixing region 70 and the other fixing region 72 in the extended region of the outer hand-carrying member 50 are inserted between the bottom member 32 and the bag main body 12 from an edge of a joining region of the bottom member 32 joined to the bag main body 12, and are attached to the outer surface of the bag main body 12 and/or the inner surface of the bag main body 12.

[0061] In this embodiment, the outer hand-carrying member 50 has the one fixing region 70 at one end sewed over the front body portion 20 and the bottom member 32 in the bottom member joining region 34 between the bottom member 32 and the front body portion 20 near the left side gore portion 24A.

[0062] Specifically, when the bottom member 32 and the front body portion 20 are sewed together in the bottom member joining region 34, the one fixing region 70 at one end of the outer hand-carrying member 50 interposed between the front body portion 20 and the bottom member 32 is attached by sewing.

[0063] Furthermore, the other fixing region 72 at the other end is sewed over the front body portion 20 and the bottom member 32 in the bottom member joining region 34 between the bottom member 32 and the front body portion 20 near the right side gore portion 24B.

[0064] Specifically, when the bottom member 32 and the front body portion 20 are sewed together in the bottom member joining region 34, the other fixing region 72 at the other end of the outer hand-carrying member 50 interposed between the front body portion 20 and the bottom member 32 is attached by sewing.

[0065] The outer hand-carrying member 50 has a region configuring the one fixing region 70 and the other fixing region 72 sewed with a back surface side of the long band-shaped member 80 configuring the outer hand-carrying member 50 in a flat state in contact with the outer surface of the bag main body 12.

[0066] In the outer hand-carrying member 50, in an extended region of the outer hand-carrying member 50 extending from the one overlapping region 62 and the other overlapping region 64 in the sewed joining region A3, a non-joining region A4 not joined to the one fixing region 70 and the other fixing region 72 of the inner hand-carrying member 50 is formed.

[0067] The outer hand-carrying member 50 is in a mode of a band-shaped body in which the long band-shaped body 80 configuring the outer hand-carrying member 50 is in a flat state in the non-joining region A4 not sewed to the inner support members 100 and the bag main body 12.

[0068] In the non-joining region A4, which is an extended region of the outer hand-carrying member 50, the one bridging region 66 and the other bridging region 68 are formed for nipping an article in a space between their inner side and the outer surface of the bag main body 12.

[0069] Next, a method of attaching the hand-carrying portion of the bag is described mainly based on Fig. 8 to Fig. 13.

[0070] The longitudinal band-shaped body 80 made of leather or fabric to form the longitudinal band-shaped hand-carrying member 50 is prepared.

[0071] The hand-carrying member 50 is formed by folding the band-shaped body 80 made of leather or fabric so that portions near both longitudinal edges made of band-shaped leather or fabric overlap each other inward, and bonding folded portions together.

[0072] The band-shaped body 80 is configured so that the folded portions face each other to be laminated to form one hand-carrying member 50.

[0073] The band-shaped body 80 is formed in an arch shape with a substantially C-shaped cross section by combining both of the longitudinal edges, that is, the one longitudinal edge 52 and the other longitudinal edge 54, together.

[0074] The hand-carrying member 50 has the curved region 60, the overlapping regions (the one overlapping region 62 and the other overlapping region 64), and portions nearby continued to the overlapping regions of the bridging regions (one bridging region 66 and the other bridging region 68) formed in an arch shape with a substantially C-shaped cross section.

[0075] The curved region 60 and the other overlapping region 64 are sewed together near the one longitudinal edge 52 and the other longitudinal edge 54.

[0076] The hand-carrying member 50 has formed therein: the closing portion 96 formed by curving the band-shaped body 80 at the center in the width direction with the folded portions placed inward, closing the one longitudinal edge 52 and the other longitudinal edge 54 together, and sewing the one longitudinal edge 52 and the other longitudinal edge 54 together so that an inner side of the one longitudinal edge 52 and the other longitudinal edge 54 is curved to swell to an outer direction, that is, oppositely to the folded portions; the swelled portion 92 and the swelled portion 94 continued to the one longitudinal edge 52 and the other longitudinal edge 54; and the crest portion 90 (hand-carrying member forming step).

[0077] Next, the support member 100 is intervened for each of the one bridging region 66 and the other bridging region 68 in each of both longitudinal edges, that is, the one longitudinal edge 52 and the other longitudinal edge 54, of the band-shaped body in the one bridging region 66 and the other bridging region 68 of the hand-carrying member 50.

[0078] The support members 100 are intervened in the one overlapping region 62 and the other overlapping region 64 along the one overlapping region 62 and the other overlapping region 64 of the hand-carrying member 50 in order to raise the hand-carrying member 50 upward from the bag main body 12 (support member intervening step).

[0079] The longitudinal band-shaped bodies 130 and 140 made of leather or fabric forming the support members 100 include the overlapping region 110 having at least an upper portion formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges (one longitudinal edge 102 and other longitudinal edge 104) together, the support region 112 extending downward from the overlapping region 110, and the fixing region 114 formed below the support region 112.

[0080] In the support members 100, both longitudinal edges, that is, the one longitudinal edge 102 and the other longitudinal edge 104, of the overlapping region 110, are intervened in both longitudinal edges, that is, the one longitudinal edge 52 and the other longitudinal edge 54, of the hand-carrying member 50 formed in an arch shape with a substantially C-shaped cross section.

[0081] The overlapping region 110 of the support member 100 and the overlapping region (one overlapping region 62 and other overlapping region 64) of the hand-carrying member 50 are sewed together so that the crest portion 150 of the support member 100 faces the crest portion 90 of the hand-carrying member 50 so as to be positioned oppositely thereto, thereby coupling the support member 100 to the hand-carrying member 50 (support member coupling step).

[0082] The band-shaped bodies 130 and band-shaped bodies 140 are formed by folding portions near both band-shape longitudinal edges made of leather or fabric inward and bonding folded portion together.

[0083] The band-shaped bodies 130 and band-shaped bodies 140 are configured so that the folded portions face each other to be laminated together to form one support member 100.

[0084] The support member 100 has formed therein: the closing portion 156 formed by curving the band-shaped bodies 130 and band-shaped bodies 140 at the center in the width direction with the band-shaped bodies 140 placed inward, closing the one longitudinal edge 102 and the other longitudinal edge 104 together, and sewing the one longitudinal edge 102 and the other longitudinal edge 104 together so that an inner side of the one longitudinal edge 102 and the other longitudinal edge 104 is curved to swell to the outer direction, that is, to the band-shaped bodies 130 side; the swelled portion 152 and the swelled portion 154 continued to the one longitudinal edge 102 and the other longitudinal edge 104; and the crest portion 150 of the support region 112 with the band-shaped bodies 130 and band-shaped bodies 140 curved at the center in the width direction (support member forming step).

[0085] For the outer hand-carrying member 50 and the inner support member 100, in a region where the closing portion

96 of the band-shaped body 80 and the crest portion 150 of band-shaped bodies 130 and band-shaped bodies 140 are overlapped each other, a portion near the longitudinal edge (one longitudinal edge 52 and other longitudinal edge 54) of the outer hand-carrying member 50 and a portion near the crest portion 150 of the inner one support member 100 are sewed together to form the sewing portion 160.

[0086] In an overlapping region between the one overlapping region 62 of the hand-carrying member 50 and the overlapping region 110 of the support member 100 and an overlapping region between the other overlapping region 64 of the hand-carrying member 50 and the overlapping region 110 of the support member 100 extending from the hand-carrying region A1, a portion near the one longitudinal edge 52 and the other overlapping region 64 of the hand-carrying member 50 and the crest portion 150 of the support member 100 are sewed together along the one longitudinal edge 52 and the other longitudinal edge 54 of the hand-carrying member 50 to form the sewing portion 160.

[0087] Next, the support member 100 is formed so that the support region 112 has an arch shape with a substantially C-shaped or substantially U-shaped cross section at least near the overlapping region 110, and the fixing region 114 below the support region 112 is fixed to the bag main body 12 (support member fixing step).

[0088] Next, the hand-carrying member 50 extends downward from the fixing region 114 of the support members 100 fixed to the bag main body 12, and is fixed to the bag main body 12 in the fixing regions (one fixing region 70 and other fixing region 72) of the hand-carrying member 50 (hand-carrying member fixing step).

[0089] The support region 112 of the support member 100 is located between the overlapping region 110 and the fixing region 114 where the inner support member 100 is attached to the surface of the bag main body 12. The support region 112 is formed with the band-shaped bodies 130 and band-shaped-bodies 140 curved at the center in the width direction, without the support region 112 portion being sewed.

[0090] The overlapping regions 110 at one end of the inner support members 100 are attached to the one overlapping region 62 and the other overlapping region 64 of the hand-carrying members 50, and the fixing regions 114 at the other end are attached to the outer surface of the back main body 12.

[0091] In this embodiment, the overlapping regions 110 at one end of the inner support members 100 are sewed to the one overlapping region 62 and the other overlapping region 64 of the hand-carrying member 50 near the left side gore portion 24A (right side gore portion 24B) configuring the gore portion 24 near the opening 28 of the front body portion 20, and also the fixing regions 114 at the other end are sewed to portions near the right side gore portion 24B configuring the gore portion 24 near the opening 28 of the front body portion 20.

[0092] The back surface side of the fixing regions 114 in a flat state of the long band-shaped bodies (band-shaped bodies 130 and band-shaped bodies 140) configuring the inner support member 100 is made in contact with and sewed to the outer surface of the bag main body 12.

[0093] In this manner, the bag including the structure of the hand-carrying portion 14 of the bag of the present invention can be formed.

[0094] Next, the structure of a hand-carrying portion of a bag in another embodiment of the present invention is described mainly based on FIG. 18 to FIG. 25.

[0095] In the structure of the hand-carrying portion attached to a bag main body 212 to support a hand-carrying member 250, the longitudinal band-shaped hand-carrying member 250 is formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges (one longitudinal edge 252 and other longitudinal edge 254) together.

[0096] The hand-carrying member 250 has support members 300 intervened therein for raising the hand-carrying member 250 upward from the bag main body 212.

[0097] The hand-carrying member 250 is positioned on a bag main body 212 side, and the support members 300 are positioned outside the hand-carrying member 250 oppositely to the hand-carrying portion 214 of the embodiment described above.

[0098] Also, compared with the hand-carrying portion 214 of the embodiment described above, the hand-carrying member 250 is shorter and, conversely, the support members 300 are longer.

[0099] The support member 300 is a longitudinal band-shaped body 330(340), and includes an overlapping region 310 having at least its upper portion formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges together, a support region 312 extending downward from the overlapping region 310, and a fixing region 314 formed below the support region 312.

[0100] The support member 300 has both longitudinal edges of the overlapping region 310 intervened between both longitudinal edges (one longitudinal edge 252 and other longitudinal edge 254) of the hand-carrying member 250 formed in an arch shape with a substantially C-shaped cross section.

[0101] The support member 300 is coupled, with the overlapping region 310 of the support member 300 and overlapping region (one overlapping region 262 and other overlapping region 264) of the hand-carrying member 250 sewed together so that a crest portion 350 of the support member 300 faces a crest portion 290 of the hand-carrying member 250 so as to be positioned oppositely thereto.

[0102] The support member 300 has the support region 312 formed in an arch shape with a substantially C-shaped cross section or a substantially U-shaped cross section at least near the overlapping region 310, and is fixed to the bag

main body 212 in the fixing region 314 below the support region 312.

[0103] The support region 312 of the support member 300 extends long in a height direction of the bag main body 212.

[0104] The hand-carrying member 250 extends downward from the overlapping regions (one overlapping region 262 and other overlapping region 264), and is fixed to the bag main body 212 in the fixing region of the hand-carrying member 250 of the portion extending downward.

[0105] The hand-carrying member 250 has one bridging region 266 and other bridging region 268 each having a short length so as to be fixed with one fixing region 270 and other fixing region 272 of lower portions in upper portions of the bag main body 212.

[0106] A bag main body 212 includes a front body portion 220, a back body portion 222 facing the front body portion 220, a gore portion 224 interposed between the front body portion 220 and the back body portion 222, and a bottom portion 226 arranged at the lower ends of the front body portion 220, the back body portion 222, and the gore portion 224.

[0107] An opening 228 between the front body portion 220 and the back body portion 222 is configured to be opened and closed with a zipper 230 provided at the open edge of the front body portion 220 and an open edge of the back body portion 222.

[0108] The gore portion 224 includes a left side gore portion 224A formed on the left side of the front body portion 220, and a right side gore portion 224B formed on the right side of the front body portion 220.

[0109] The bottom portion 226 is formed by sewing a bottom member 232 overlapped with the outer surfaces of the front body portion 220, the back body portion 222, and the gore portion 224 at the lower end edges of the front body portion 220, the back body portion 222, and the gore portion 224.

[0110] The bottom member 232 is entirely formed to a plate shape, where the peripheral edge thereof is sewed to the front body portion 220, the back body portion 222, and the gore portion 224 in a bottom member joining region 234 having a constant width.

[0111] The hand-carrying member 250 includes a curved region 260, one overlapping region 262 and other overlapping region 264 formed continuously to both ends of the curved region 260, bridging regions (one bridging region 266 and other bridging region 268) formed continuously to the overlapping regions (one overlapping region 262 and other overlapping region 264), and fixing regions (one fixing region 270 and other fixing region 272) formed continuously to the one bridging region 266 and the other bridging region 268 configuring the bridging regions.

[0112] The inner hand-carrying member 250 is curved in a substantially U shape in a front view in the hand-carrying region A1.

[0113] In the hand-carrying member 250, the one bridging region 266 and the one fixing region 270 and the other bridging region 268 and the other fixing region 272 in an extended region which extends from the curved region 260 as divided leftward and rightward are attached with an appropriate space to the outside of an upper portion of the bag main body 212.

[0114] The hand-carrying member 250 has a support member 300 for each of the one bridging region 266 and the other bridging region 268, the support member 300 intervened between both longitudinal edges, that is, between the one longitudinal edge 252 and the other longitudinal edge 254, of the band-shaped body in the one bridging region 266 and the other bridging region 268.

[0115] The support members 300 are formed so as to extend along the one overlapping region 262 and the other overlapping region 264 of the hand-carrying member 250 in order to raise the hand-carrying member 250 upward from the bag main body 212.

[0116] In the support member 300 is coupled, with the overlapping region 310 of the support member 300 and the overlapping regions (one overlapping region 262 and other overlapping region 264) of the hand-carrying member 250 sewed together so that the crest portion 350 of the support member 300 faces the crest portion 290 of the hand-carrying member 250 so as to be positioned oppositely thereto.

[0117] The support member 300 extends downward from the fixing region (one fixing region 270 and other fixing region 272) of the hand-carrying member 250 fixed to the bag main body 212, and is fixed to the bag main body 212 in the long-extended support region 312.

[0118] The hand-carrying member 250 has formed therein: a closing portion 296 formed by curving the band-shaped body 280 at the center in a width direction with the folded portions placed inward, closing the one longitudinal edge 252 and the other longitudinal edge 254 together, and sewing the one longitudinal edge 252 and the other longitudinal edge 254 together so that an inner side of the one longitudinal edge 252 and the other longitudinal edge 254 is curved to swell to an outer direction, that is, oppositely to the folded portions; a swelled portion 292 and a swelled portion 294 continued to the one longitudinal edge 252 and the other longitudinal edge 254; and the crest portion 290. The hand-carrying member 250 has the crest portion 290 oriented to the inside of the bag main body 212.

[0119] The inner hand-carrying member 250 (one bridging region 266 and other bridging region 268) and the outer support member 300 have different lengths, and the inner hand-carrying member 250 is shorter than the outer support member 300.

[0120] The inner hand-carrying member 250 and the outer support member 300 have a substantially same width.

[0121] The one overlapping region 262 and the other overlapping region 264 of the inner hand-carrying member 250 swell toward the inside of the bag main body 212.

[0122] In the support member 300, the closing portion 356 of the band-shaped bodies 330 and band-shaped bodies 340 in the overlapping region 310 is inserted from a space between the one longitudinal edge 252 and the other longitudinal edge 254 in the one overlapping region 262 (and other overlapping region 264) of the hand-carrying member 250 toward the inside of the crest portion 290 of the hand-carrying member 250, and the overlapping region 310 of the support member 300 and the one overlapping region 262 (and other overlapping region 264) of the hand-carrying member 250 are overlapped each other.

[0123] The one longitudinal edge 252 and the other longitudinal edge 254 in the one overlapping region 262 (and other overlapping region 264) of the hand-carrying member 250 reach near the crest portion 350 in the overlapping region 310 of the support member 300.

[0124] In the inner hand-carrying member 250 and the outer support member 300, in a region where the closing portion 296 of the band-shaped body 280 and the crest portion 350 of the band-shaped bodies 330 and band-shaped bodies 340 are overlapped each other, a portion near the longitudinal edges (one longitudinal edge 252 and other longitudinal edge 254) of the inner hand-carrying member 250 and a portion near the crest portion 350 of the outer one support member 300 are sewed together to form a sewing portion 360.

[0125] In the sewing portion 360, in an overlapping region between the one overlapping region 262 of the hand-carrying member 250 and the overlapping region 310 of the support member 300 and an overlapping region between the other overlapping region 264 of the hand-carrying member 250 and the overlapping region 310 of the support member 300 extending from the hand-carrying member A1, a portion near the one longitudinal edge 252 and the other overlapping region 264 of the hand-carrying member 250 and the crest portion 350 of the support member 300 are sewed together along the one longitudinal edge 252 and the other longitudinal edge 254 of the hand-carrying member 250.

[0126] The support region 312 of the support member 300 is located between the overlapping region 310 and the fixing region 314 where the outer support member 300 is attached to the surface of the bag main body 212. The support region 312 is formed with the band-shaped bodies 330 and band-shaped bodies 340 curved at the center in the width direction, without the support region 312 portion being sewed.

[0127] The outer support member 300 has the overlapping region 310 at one end attached to the one overlapping region 262 and the other overlapping region 264 of the hand-carrying member 250, and have the fixing region 314 at the other end attached to the outer surface of the bag main body 212.

[0128] Next, a method of attaching the hand-carrying portion of the bag according to the other embodiment is described mainly based on Fig. 21 to Fig. 23.

[0129] The longitudinal band-shaped body 280 made of leather or fabric to form the longitudinal band-shaped hand-carrying member 250 is prepared.

[0130] The hand-carrying member 250 is formed by folding the band-shaped body 280 made of leather or fabric so that portions near both longitudinal edges made of band-shaped leather or fabric overlap each other inward, and bonding folded portions together.

[0131] The band-shaped body 280 is configured so that the folded portions face each other to be laminated to form one hand-carrying member 250.

[0132] The band-shaped body 280 is formed in an arch shape with a substantially C-shaped cross section by combining both of the longitudinal edges, that is, the one longitudinal edge 252 and the other longitudinal edge 254, together.

[0133] The hand-carrying member 250 has the curved region 260, the overlapping regions (the one overlapping region 262 and the other overlapping region 264), and portions nearby continued to the overlapping regions of the bridging regions (one bridging region 266 and the other bridging region 268) formed in an arch shape with a substantially C-shaped cross section.

[0134] The curved region 260 and the other overlapping region 264 are sewed together near the one longitudinal edge 252 and the other longitudinal edge 254.

[0135] The hand-carrying member 250 has formed therein: the closing portion 296 formed by curving the band-shaped body 280 at the center in the width direction with the folded portions placed inward, closing the one longitudinal edge 252 and the other longitudinal edge 254 together, and sewing the one longitudinal edge 252 and the other longitudinal edge 254 together so that an inner side of the one longitudinal edge 252 and the other longitudinal edge 254 is curved to swell to an outer direction, that is, oppositely to the folded portions; the swelled portion 292 and the swelled portion 294 continued to the one longitudinal edge 252 and the other longitudinal edge 254; and the crest portion 290 (hand-carrying member forming step).

[0136] Next, the support member 300 is intervened for each of the one bridging region 266 and the other bridging region 268 in each of both longitudinal edges, that is, the one longitudinal edge 252 and the other longitudinal edge 254, of the band-shaped body in the one bridging region 266 and the other bridging region 268 of the hand-carrying member 250.

[0137] The support members 300 are intervened in the one overlapping region 262 and the other overlapping region

264 along the one overlapping region 262 and the other overlapping region 264 of the hand-carrying member 250 in order to raise the hand-carrying member 250 upward from the bag main body 212 (support member intervening step).

[0138] The longitudinal band-shaped bodies 330 and 340 made of leather or fabric forming the support members 300 include the overlapping region 310 having at least an upper portion formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges (one longitudinal edge 302 and other longitudinal edge 304) together, the support region 312 extending downward from the overlapping region 310, and the fixing region 314 formed below the support region 312.

[0139] In the support members 300, both longitudinal edges, that is, the one longitudinal edge 302 and the other longitudinal edge 304, of the overlapping region 310, are intervened in both longitudinal edges, that is, the one longitudinal edge 252 and the other longitudinal edge 254, of the hand-carrying member 250 formed in an arch shape with a substantially C-shaped cross section.

[0140] The overlapping region 310 of the support member 300 and the overlapping region (one overlapping region 262 and other overlapping region 264) of the hand-carrying member 250 are sewed together so that the crest portion 350 of the support member 300 faces the crest portion 290 of the hand-carrying member 250 so as to be positioned oppositely thereto, thereby coupling the support member 300 to the hand-carrying member 250 (support member coupling step).

[0141] The band-shaped bodies 330 and band-shaped bodies 340 are formed by folding portions near both band-shape longitudinal edges made of leather or fabric inward and bonding folded portion together.

[0142] The band-shaped bodies 330 and band-shaped bodies 340 are configured so that the folded portions face each other to be laminated together to form one support member 300.

[0143] The support member 300 has formed therein: the closing portion 356 formed by curving the band-shaped bodies 330 and band-shaped bodies 340 at the center in the width direction with the band-shaped bodies 340 placed inward, closing the one longitudinal edge 302 and the other longitudinal edge 304 together, and sewing the one longitudinal edge 302 and the other longitudinal edge 304 together so that an inner side of the one longitudinal edge 302 and the other longitudinal edge 304 is curved to swell to the outer direction, that is, to the band-shaped bodies 330 side; the swelled portion 352 and the swelled portion 354 continued to the one longitudinal edge 302 and the other longitudinal edge 304; and the crest portion 350 of the support region 312 with the band-shaped bodies 330 and band-shaped bodies 340 curved at the center in the width direction (support member forming step).

[0144] For the inner hand-carrying member 250 and the outer support member 300, in a region where the closing portion 296 of the band-shaped body 280 and the crest portion 350 of band-shaped bodies 330 and band-shaped bodies 340 are overlapped each other, a portion near the longitudinal edge (one longitudinal edge 252 and other longitudinal edge 254) of the inner hand-carrying member 250 and a portion near the crest portion 350 of one inner support member 300 are sewed together to form the sewing portion 360.

[0145] In an overlapping region between the one overlapping region 262 of the hand-carrying member 250 and the overlapping region 310 of the support member 300 and an overlapping region between the other overlapping region 264 of the hand-carrying member 250 and the overlapping region 310 of the support member 300 extending from the hand-carrying region A1, a portion near the one longitudinal edge 252 and the other overlapping region 264 of the hand-carrying member 250 and the crest portion 350 of the support member 300 are sewed together along the one longitudinal edge 252 and the other longitudinal edge 254 of the hand-carrying member 250 to form the sewing portion 360 (support member fixing step).

[0146] Next, the support member 300 is formed so that the support region 312 has an arch shape with a substantially C-shaped or substantially U-shaped cross section at least near the overlapping region 310, and the fixing region 314 below the support region 312 is fixed to the bag main body 212 (hand-carrying member fixing step).

[0147] Next, the hand-carrying member 250 is fixed to the bag main body 212 in the fixing regions (one fixing region 270 and other fixing region 272) of the hand-carrying member 250 below the one bridging region 266 and the other bridging region 268 extending downward from the one overlapping region 262 and the other overlapping region 264.

[0148] The support region 312 of the support member 300 is located between the overlapping region 310 and the fixing region 314 where the outer support member 300 is attached to the surface of the bag main body 212. The support region 312 is formed with the band-shaped bodies 330 and band-shaped bodies 340 curved at the center in the width direction, without the support region 312 portion being sewed.

[0149] The overlapping regions 310 at one end of the outer support members 300 are attached to the one overlapping region 262 and the other overlapping region 264 of the hand-carrying member 250, and the fixing regions 314 at the other end are attached to the outer surface of the back main body 212.

[0150] In this embodiment, the overlapping regions (one overlapping region 262 and other overlapping region 264) at one end of the inner hand-carrying member 250 are sewed to the one longitudinal edge 302 and the other overlapping region 264 of the support member 300 near the left side gore portion 224A (right side gore portion 224B) configuring the gore portion 224 near the opening 228 of the front body portion 220, and also the fixing regions (one fixing region 270 and other fixing region 272) at the other end are sewed to portions near the right side gore portion 224B configuring

the gore portion 224 near the opening 228 of the front body portion 220.

[0151] The back surface side of the fixing regions 314 in a flat state of the long band-shaped bodies (band-shaped bodies 330 and band-shaped bodies 340) configuring the outer support member 300 is made in contact with and sewed to the outer surface of the bag main body 212.

[0152] In this manner, the bag including the structure of the hand-carrying portion 214 of the bag of the present invention can be formed.

[0153] Next, another embodiment of the structure of the hand-carrying portion of the bag of the present invention is described.

[0154] Fig. 26 is a perspective view of a bag using the structure of a hand-carrying portion of a bag according to still another embodiment of the present invention.

[0155] Fig. 27 is a perspective view of a front side of the bag of Fig. 26.

[0156] Fig. 28 is an opposite side view showing the structure of the hand-carrying portion of the bag of Fig. 26.

[0157] The structure of the hand-carrying portion of the bag of the present invention particularly includes a structure suitable for use as a shoulder bag.

[0158] In the shoulder bag, normally, hand-carrying portions are attached so as to extend upward from both sides of a front body portion and a back body portion of a bag main body. Normally, these two front and back hand-carrying portions are overlapped each other and put on the shoulder. At the time of walking with the shoulder bag put on the shoulder or the like, the overlapped two hand-carrying portions tend to be separated to cause one hand-carrying portion to be slipped off the shoulder.

[0159] When one hand-carrying portion falls off the shoulder, the shoulder bag is inconveniently slipped off the shoulder accordingly, or the like.

[0160] In view of these circumstances, the structure of the hand-carrying portion of the bag of this embodiment can provide bag hand-carrying portions allowing a state in which two hand-carrying portions are overlapped each other to be kept.

[0161] According to the structure of the hand-carrying portion of the bag of this embodiment, two bag hand-carrying portions are hooked as being overlapped each other on the shoulder, and the bag is less prone to be slipped off the shoulder.

[0162] The structure of the hand-carrying portion of the bag of the present invention can be used for a shouldering portion or the like of a shoulder bag, as shown in Fig. 26.

[0163] The bag main body 512 includes a front body portion 520, a back body portion 522 facing the front body portion 520, a gore portion 524 interposed between the front body portion 520 and the back body portion 522, and a bottom portion 526 arranged at the lower ends of the front body portion 520, the back body portion 522, and the gore portion 524.

[0164] An opening 528 between the front body portion 520 and the back body portion 522 is configured to be opened and closed with a zipper 530 provided at the open edge of the front body portion 520 and an open edge of the back body portion 522.

[0165] The gore portion 524 includes a left side gore portion 524A formed on the left side of the front body portion 520, and a right side gore portion 524B formed on the right side of the front body portion 520.

[0166] The bottom portion 526 is formed by sewing a bottom member 532 overlapped with the outer surfaces of the front body portion 520, the back body portion 522, and the gore portion 524 at the lower end edges of the front body portion 520, the back body portion 522, and the gore portion 524.

[0167] The bottom member 532 is entirely formed to a plate shape, where the peripheral edge thereof is sewed to the front body portion 520, the back body portion 522, and the gore portion 524 at a bottom member joining region 534 having a constant width.

[0168] The structure of the hand-carrying portion 514 to be attached to the bag main body 512 of the present invention is applied to the hand-carrying portion 514 attached outside the bag main body 512 so that a shouldering region B1 at the top to be put on the human shoulder extends upward from the front body portion 520 and/or the back body portion 522.

[0169] The structure of the hand-carrying portion 514 of the bag according to the present invention includes a structure which supports a hand-carrying member 550 attached to the bag main body 512 and a structure which affixing the shouldering regions B1 at the top of the paired front and back hand-carrying portions 514 together as being overlapped each other.

[0170] The hand-carrying member 550 configuring the hand-carrying portion 514 includes a first hand-carrying member 550A on one side (that is, on a front side) attached to the front body portion 520 and a second hand-carrying member 550B on the other side (that is, an opposite side) attached to a back body portion 522 side.

[0171] The first hand-carrying member 550A and the second hand-carrying member 550B have a substantially same structure which supports a hand-carrying member.

[0172] Thus, in the following, the first hand-carrying member 550A is mainly described.

[0173] The first hand-carrying member 550A includes a curved region 560, one overlapping region 562 and other overlapping region 564 formed continuously to both ends of the curved region 560, bridging regions (one bridging region

566 and other bridging region 568) formed continuously to the overlapping regions (one overlapping region 562 and other overlapping region 564), and fixing regions (one fixing region 570 and other fixing region 572) formed continuously to the one bridging region 566 and the other bridging region 568 configuring the bridging regions.

[0174] The outer hand-carrying member 550 is curved in a substantially U shape in a front view in the shouldering region B1 at the top.

[0175] In the hand-carrying member 550, the one bridging region 566 and the one fixing region 570 and the other bridging region 568 and the other fixing region 572 in an extended region which extends from the curved region 560 as divided leftward and rightward are attached with an appropriate space to the outside of the bag main body 512.

[0176] The longitudinal band-shaped hand-carrying member 550 is a linear longitudinal band-shaped body made of leather or fabric, and is formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges, that is, one longitudinal edge 552 and other longitudinal edge 554, together.

[0177] The hand-carrying member 550 has a curved region 560, the overlapping regions (one overlapping region 562 and other overlapping region 564), and portions nearby continued to the overlapping regions of the bridging regions (one bridging region 566 and other bridging region 568) formed in an arch shape with a substantially C-shaped cross section.

[0178] The hand-carrying member 550 is additionally provided with a longitudinal band-shaped elastic member 582 along an inner side surface.

[0179] The elastic member 582 is a linear longitudinal band-shaped body made of fabric having a substantially same width as that of the elastic member 582, and is formed in an arch shape with a substantially C-shaped cross section together with the hand-carrying member 550 inside the hand-carrying member 550, by combining both longitudinal edges, that is, one longitudinal edge 582a and other longitudinal edge 582b, together.

[0180] The elastic member 582 has a length corresponding to the curved region 560 of the hand-carrying member 550. Therefore, the elastic member 582 is additionally provided only to the curved region 560 of the hand-carrying member 550.

[0181] The hand-carrying member 550 has a support member 600 for each of the one bridging region 566 and the other bridging region 568, the support member 600 intervened between both longitudinal edges, that is, between the one longitudinal edge 552 and the other longitudinal edge 554, of the band-shaped body in the one bridging region 566 and the other bridging region 568.

[0182] The support members 600 are formed so as to extend along the one overlapping region 562 and the other overlapping region 564 of the hand-carrying member 550 in order to raise the hand-carrying member 550 upward from the bag main body 512.

[0183] The support member 600 is a linear longitudinal band-shaped body made of leather or fabric, including: an overlapping region 610 having at least its upper portion formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges (one longitudinal edge 602 and other longitudinal edge 604), a support region 612 extending downward from the overlapping region 610, and a fixing region 614 formed below the support region 612.

[0184] The support member 600 has both longitudinal edges, that is, the one longitudinal edge 602 and the other longitudinal edge 604, of the overlapping region 610 intervened between both longitudinal edges, that is, the one longitudinal edge 552 and other longitudinal edge 554, of the hand-carrying member 550 formed in an arch shape with a substantially C-shaped cross section.

[0185] The support member 600 is coupled, with the overlapping region 610 of the support member 600 and the overlapping region (one overlapping region 562 and other overlapping region 564) of the hand-carrying member 550 sewed together so that a crest portion 650 of the support member 600 faces a crest portion 590 of the hand-carrying member 550 so as to be positioned oppositely thereto.

[0186] The support member 600 has the support region 612 formed in an arch shape with a substantially C-shaped cross section or a substantially U-shaped cross section at least near the overlapping region 610, and is fixed to the bag main body 512 in the fixing region 614 below the support region 612.

[0187] The support member 600 confronts the bag main body 512 to be fixed thereto in the fixing region 614, and is fastened with a rivet.

[0188] The hand-carrying member 550 extends downward from the fixing region 614 of the support member 600 fixed to the bag main body 512, and is fixed to the bag main body 512 in the fixing regions (one fixing region 570 and other fixing region 572) of the hand-carrying member 550.

[0189] The support member 600 has a plurality of band-shaped bodies 630 and band-shaped bodies 640 laminated, with the laminated band-shaped bodies 630 and band-shaped bodies 640 curved in their width to form the overlapping region 610 in an arch shape with a substantially C-shaped cross section.

[0190] The band-shaped bodies 630 and band-shaped bodies 640 are formed by folding portions near both band-shaped longitudinal edges made of leather or fabric inward and bonding folded portions together.

[0191] The band-shaped bodies 630 and band-shaped bodies 640 are configured so that the folded portions face

each other to be laminated together to form one support member 600.

[0192] The support member 600 has formed therein: a closing portion 656 formed by curving the band-shaped bodies 630 and the band-shaped bodies 640 at the center in a width direction with the band-shaped bodies 640 placed inward, closing the one longitudinal edge 602 and the other longitudinal edge 604 together, and sewing the one longitudinal edge 602 and the other longitudinal edge 604 together so that an inner side of the one longitudinal edge 602 and the other longitudinal edge 604 is curved to swell to an outer direction, that is, a band-shaped bodies 630 side; a swelled portion 652 and a swelled portion 654 continued to the one longitudinal edge 602 and the other longitudinal edge 604; and the crest portion 650 of the support region 612 with the band-shaped bodies 630 and band-shaped bodies 640 curved at the center in the width direction.

[0193] The hand-carrying member 550 is formed by folding a band-shaped body 580 made of leather or fabric inward so that portions near both longitudinal edges made of band-shaped leather or fabric overlap each other, and bonding folded portions together. The elastic member 582 is formed by folding and overlapping portions near both longitudinal edges inward together with the band-shaped body 580, and bonding folded portions together.

[0194] The band-shaped body 580 is configured so that the folded portions face each other to be laminated together to form one hand-carrying member 550.

[0195] The hand-carrying member 550 has formed therein: a closing portion 596 formed by curving the band-shaped body 580 at the center in a width direction with the folded portions placed inward, closing the one longitudinal edge 552 and the other longitudinal edge 554 together, and sewing the one longitudinal edge 552 and the other longitudinal edge 554 together so that an inner side of the one longitudinal edge 552 and the other longitudinal edge 554 is curved to swell to an outer direction, that is, oppositely to the folded portions; a swelled portion 592 and a swelled portion 594 continuing to the one longitudinal edge 552 and the other longitudinal edge 554; and the crest portion 590.

[0196] The outer hand-carrying member 550 and the inner support member 600 have different lengths, and the outer hand-carrying member 550 is longer than the inner support member 600.

[0197] The hand-carrying member 550 and the inner support member 600 have a substantially same width.

[0198] The outer hand-carrying member 550 is curved at a portion near the center in the width direction of the band-shaped body 580 in the overlapping regions, that is, the one overlapping region 562 and the other overlapping region 564 of the hand-carrying member 550 and the overlapping regions 610 of the support members 600.

[0199] The one overlapping region 562 and the other overlapping region 564 of the outer hand-carrying member 550 swell toward outside of the bag main body 512.

[0200] The support members 600 are curved at portions near the center in the width direction of the band-shaped bodies 630 in the overlapping regions, that is, the one overlapping region 562 and the other overlapping region 564 of the hand-carrying member 550 and the overlapping regions 610 of the support members 600.

[0201] The overlapping regions 610 of the support members 600 swell toward a bag main body 512 side.

[0202] In the support member 600, the closing portion 656 of the band-shaped bodies 630 and band-shaped bodies 640 in the overlapping region 610 is inserted from a space between the one longitudinal edge 552 and the other longitudinal edge 554 in the one overlapping region 562 (and other overlapping region 564) of the hand-carrying member 550 toward the inside of the crest portion 590 of the hand-carrying member 550, and the overlapping region 610 of the support member 600 and the one overlapping region 562 (and other overlapping region 564) of the hand-carrying member 550 are overlapped each other.

[0203] The one longitudinal edge 552 and the other longitudinal edge 554 in the one overlapping region 562 (and other overlapping region 564) of the hand-carrying member 550 reach near the crest portion 650 in the overlapping region 610 of the support member 600.

[0204] In the outer hand-carrying member 550 and the inner support member 600, in a region where the closing portion 596 of the band-shaped body 580 and the crest portion 650 of the band-shaped bodies 630 and band-shaped bodies 640 are overlapped each other, a portion near the longitudinal edges (one longitudinal edge 552 and other longitudinal edge 554) of the outer hand-carrying member 550 and a portion near the crest portion 650 of the inner one support member 600 are sewed together to form a sewing portion 660.

[0205] In the sewing portion 660, in an overlapping region between the one overlapping region 562 of the hand-carrying member 550 and the overlapping region 610 of the support member 600 and an overlapping region between the other overlapping region 564 of the hand-carrying member 550 and the overlapping region 610 of the support member 600 extending from the shouldering region B1, a portion near the one longitudinal edge 552 and the other overlapping region 564 of the hand-carrying member 550 and the crest portion 650 of the support member 600 are sewed together along the one longitudinal edge 552 and the other longitudinal edge 554 of the hand-carrying member 550.

[0206] The support region 612 of the support member 600 is located between the overlapping region 610 and the fixing region 614 where the inner support member 600 is attached to the surface of the bag main body 512. The support region 612 is formed with the band-shaped bodies 630 and band-shaped bodies 640 curved at the center in the width direction, without the support region 612 portion being sewed.

[0207] The inner support members 600 have the overlapping regions 610 at one end attached to the one overlapping

region 562 and the other overlapping region 564 of the hand-carrying member 550, and have the fixing region 614 at the other end attached to the outer surface of the bag main body 512.

[0208] In this embodiment, the inner support members 600 have the overlapping regions 610 at one end sewed to the one overlapping region 562 and the other overlapping region 564 of the hand-carrying member 550 near the left side gore portion 524A (right side gore portion 524B) configuring the gore portion 224 near the opening 528 of the front body portion 520, and also have the fixing regions 614 at the other end sewed to portions near the right side gore portion 524B configuring the gore portion 524 near the opening 528 of the front body portion 520.

[0209] In a flat state of long band-shaped bodies (band-shaped bodies 630 and band-shaped bodies 640) configuring the inner support member 600, a back surface side of the fixing region 614 is made in contact with and sewed to the outer surface of the bag main body 512.

[0210] In the inner support member 600, the support region 612, which is a non-joining region B4 not in contact with the outer hand-carrying member 550 and the bag main body 512, is formed between the overlapping region 610 and the one overlapping region 562 and the other overlapping region 564 of the outer hand-carrying member 550.

[0211] The inner support member 600 is in a mode of the band-shaped bodies 630 and band-shaped bodies 640 in which the long band-shaped bodies configuring the inner support member 600 are in a flat state on a side near the fixing region 614 in a non-sewing region B2 not sewed to the outer hand-carrying member 550.

[0212] The outer hand-carrying member 550 is curved in a U shape in a front view in the shouldering region B1.

[0213] The outer hand-carrying member 550 is attached to the outside of the bag main body 512 with an appropriate space from the outer surface of the bag main body 512 in an extended region extending from the one overlapping region 562 and the other overlapping region 564 overlapped with the inner support member 600 to a bottom direction of the bag main body 512.

[0214] In the outer hand-carrying member 550, in the one bridging region 566 and the other bridging region 658, which are extended regions extending from the one overlapping region 562 and the other overlapping region 564 in a joining region B3 joined to the inner support members 600, the non-sewing region B2 not sewed to the support member 600 and the bag main body 512 is formed to a position joined to the bag main body 512.

[0215] The outer hand-carrying member 550 is in a mode of a band-shaped body in which the long band-shaped body 580 configuring the outer hand-carrying member 550 is in a flat state at a part (a portion on one end and the other end sides below the one overlapping region 562 and the other overlapping region 564) of the non-sewing region B2 not sewed to the inner support member 600.

[0216] The one fixing region 570 and the other fixing region 572 in the extended region of the outer hand-carrying member 550 are inserted between the bottom member 532 and the bag main body 512 from an edge of a joining region of the bottom member 532 joined to the bag main body 512, and are attached to the outer surface of the bag main body 512 and/or the inner surface of the bag main body 512.

[0217] In this embodiment, the outer hand-carrying member 550 has the one fixing region 570 at one end sewed over the front body portion 520 and the bottom member 532 in the bottom member joining region 534 between the bottom member 532 and the front body portion 520 near the left side gore portion 524A.

[0218] Specifically, when the bottom member 532 and the front body portion 520 are sewed together in the bottom member joining region 534, the one fixing region 570 at one end of the outer hand-carrying member 550 interposed between the front body portion 520 and the bottom member 532 is attached by sewing.

[0219] Furthermore, the other fixing region 572 at the other end is sewed over the front body portion 520 and the bottom member 532 in the bottom member joining region 534 between the bottom member 532 and the front body portion 520 near the right side gore portion 524B.

[0220] Specifically, when the bottom member 532 and the front body portion 520 are sewed together in the bottom member joining region 534, the other fixing region 572 at the other end of the outer hand-carrying member 550 interposed between the front body portion 520 and the bottom member 532 is attached by sewing.

[0221] The outer hand-carrying member 550 has a region configuring the one fixing region 570 and the other fixing region 572 sewed with a back surface side of the long band-shaped member 580 configuring the outer hand-carrying member 550 in a flat state in contact with the outer surface of the bag main body 512.

[0222] In the outer hand-carrying member 550, in a extended region of the outer hand-carrying member 550 extending from the one overlapping region 562 and the other overlapping region 564 in the sewed joining region B3, a non-joining region B4 not joined to the one fixing region 570 and the other fixing region 572 of the inner hand-carrying member 550 is formed.

[0223] The outer hand-carrying member 550 is in a mode of a band-shaped body in which the long band-shaped body 580 configuring the outer hand-carrying member 550 is in a flat state in the non-joining region B4 not sewed to the inner support members 600 and the bag main body 512.

[0224] In the non-joining region B4, which is an extended region of the outer hand-carrying member 550, the one bridging region 566 and the other bridging region 568 are formed for nipping an article in a space between their inner side and the outer surface of the bag main body 512.

[0225] Next, a structure is described in which the first hand-carrying member 550A on one side (that is, on a front side) attached to the front body portion 520 side and the second hand-carrying member 550A on the other side (that is, on an opposite side) attached to the back body portion 522 side are overlapped and affixed together in the curved region 560 configuring the shouldering region B1 at the top representing each top.

[0226] For example, when a hand-carrying bag 510 is put on the left shoulder, with the back body portion 522 put on the chest side of the body and the front body portion 520 put on the opposite side, the second hand-carrying member 550B attached to the back body portion 522 is first put on a shoulder side, that is, a lower side, and the first hand-carrying member 550A attached to the front body portion 520 is put on the shoulder over the second hand-carrying member 550B first put on the shoulder. The swelled portion 594 and the closing portion 596 on a lower side of the first hand-carrying member 550A and the swelled portion 592 and the closing portion 596 on an upper side of the hand-carrying member 550B are overlapped each other.

[0227] In the shouldering region B1 at the top where the first hand-carrying member 550A and the second hand-carrying member 550B are overlapped each other in a vertical direction, a permanent magnet piece 680 for affixing the first hand-carrying member 550A and the second hand-carrying member 550B together and a ferromagnetic substance piece 690 to be affixed to the permanent magnet piece 680 are disposed.

[0228] The magnet piece 680 and the magnetic substance piece 690 are disk-shaped bodies, and are internally provided so as to be incorporated in the inside of the band-shaped body 580 configuring the first hand-carrying member 550A and the second hand-carrying member 550B, the inside formed in an arch shape with a substantially C-shaped cross section.

[0229] The magnet piece 680 and the magnetic substance piece 690 are nipped in the band-shaped body 580 configuring the hand-carrying member 550.

[0230] The magnet piece 680 internally provided in the curved region 560 of the first hand-carrying member 550A is made by forming a permanent magnet such as an alnico magnet, ferrite magnet, neodymium magnet, or samarium-cobalt magnet in a disk shape, and has a size suitable for shouldering the first hand-carrying member 550A. Specifically, the magnet piece 680 has a diameter of 15 mm to 25 mm and a thickness of 2 mm to 3 mm.

[0231] The magnetic substance piece 690 internally provided in the curved region 560 of the second hand-carrying member 550B is made by forming a magnetic substance such as iron, cobalt, or nickel in a disk shape, and has a size suitable for shouldering the second hand-carrying member 550B. Specifically, the magnetic substance piece 690 has a diameter of 15 mm to 25 mm and a thickness of 2 mm to 3 mm.

[0232] A flat surface of the magnet piece 680 internally provided to the first hand-carrying member 550A and a flat surface of the magnetic substance piece 690 internally provided to the second hand-carrying member 550B are configured to face each other so that the first hand-carrying member 550A and the second hand-carrying member 550B are easily affixed together.

[0233] The magnet piece 680 of the first hand-carrying member 550A and the magnetic substance piece 690 of the second hand-carrying member 550B are each intervened between the one swelled portion 592 and the other swelled portion 594 facing each other so that a radial direction of the magnet piece 680 and the magnetic substance piece 690 extends between the crest portion 590 and the one longitudinal edge 552 and the other longitudinal edge 554. A thickness direction of the magnet piece 680 and the magnetic substance piece 690 extends in a direction in which the one swelled portion 592 and the other swelled portion 594 face each other.

[0234] In this manner, in the magnet piece 680 of the first hand-carrying member 550A and the magnetic substance piece 690 of the second hand-carrying member 550B, when the first hand-carrying member 550A and the second hand-carrying member 550B are overlapped each other, the flat surface portion of the magnet piece 680 and the flat surface portion of the magnetic substance piece 690 are substantially parallel with other other.

[0235] Next, a method of internally providing the magnet piece 680 and the magnetic substance piece 690 in the first hand-carrying member 550A is described.

[0236] The longitudinal band-shaped body 580 made of leather or fabric and the elastic member 582 made of fabric or the like with elasticity to form the longitudinal band-shaped hand-carrying member 550 are prepared, and also the magnet piece 680 and the magnetic substance piece 690 are prepared.

[0237] The elastic member 582 is overlapped with an inner side surface of the band-shaped body 580.

[0238] The hand-carrying member 550 is formed by folding the band-shaped body 580 made of leather or fabric so that portions near both longitudinal edges made of band-shaped leather or fabric overlap each other inward, and bonding or sewing folded portions together.

[0239] The band-shaped body 580 is configured so that the folded portions face each other to be laminated to form one hand-carrying member 550.

[0240] The band-shaped body 580 is formed in an arch shape with a substantially C-shaped cross section by combining both of the longitudinal edges, that is, the one longitudinal edge 552 and the other longitudinal edge 554, together.

[0241] The hand-carrying member 550 has the curved region 560, the overlapping regions (the one overlapping region 562 and the other overlapping region 564), and portions nearby continued to the overlapping regions of the bridging

regions (one bridging region 566 and the other bridging region 568) formed in an arch shape with a substantially C-shaped cross section. Prior to that, the magnet piece 680 is disposed between the swelled portion 592 and the swelled portion 594 in the curved region 560.

[0242] Similarly, the magnetic substance piece 690 is also disposed between the swelled portion 592 and the swelled portion 594 in the curved region 560 of the band-shaped body 580 configuring the second hand-carrying member 550B.

[0243] Here, the magnet piece 680 is disposed inside the elastic member 582 overlapped with the band-shaped body 580. The magnet piece 680 may be disposed between the band-shaped body 580 and the elastic member 582.

[0244] On the other hand, the magnetic substance piece 690 is disposed inside the elastic member 582 overlapped with the band-shaped body 580. The magnetic substance piece 690 may be disposed between the band-shaped body 580 and the elastic member 582.

[0245] Next, the curved region 560 and the other overlapping region 564 are sewed together near the one longitudinal edge 552 and the other longitudinal edge 554.

[0246] The hand-carrying member 550 has formed therein: the closing portion 596 formed by curving the band-shaped body 580 at the center in the width direction with the folded portions placed inward, closing the one longitudinal edge 552 and the other longitudinal edge 554 together, and sewing the one longitudinal edge 552 and the other longitudinal edge 554 together so that an inner side of the one longitudinal edge 552 and the other longitudinal edge 554 is curved to swell to an outer direction, that is, oppositely to the folded portions; the swelled portion 592 and the swelled portion 594 continued to the one longitudinal edge 552 and the other longitudinal edge 554; and the crest portion 590.

[0247] The bag main body 512 is provided inside the hand-carrying member 550 with an opening of a pocket (not shown) provided inside the bag main body 512. A pocket opening 670 is provided with a pocket zipper 672. The pocket opening 670 and the pocket zipper 672 are covered with the hand-carrying member 550 for protection.

[0248] Next, a method of attaching the hand-carrying portion of the bag is described mainly based on Fig. 33 to Fig. 37.

[0249] The longitudinal band-shaped body 580 made of leather or fabric to form the longitudinal band-shaped hand-carrying member 550 is prepared.

[0250] The hand-carrying member 550 is formed by folding the band-shaped body 580 made of leather or fabric so that portions near both longitudinal edges made of band-shaped leather or fabric overlap each other inward, and bonding folded portions together.

[0251] The band-shaped body 580 is configured so that the folded portions face each other to be laminated to form one hand-carrying member 550.

[0252] The band-shaped body 580 is formed in an arch shape with a substantially C-shaped cross section by combining both of the longitudinal edges, that is, the one longitudinal edge 552 and the other longitudinal edge 554, together.

[0253] The hand-carrying member 550 has the curved region 560, the overlapping regions (the one overlapping region 562 and the other overlapping region 564), and portions nearby continued to the overlapping regions of the bridging regions (one bridging region 566 and the other bridging region 568) formed in an arch shape with a substantially C-shaped cross section.

[0254] The curved region 560 and the other overlapping region 564 are sewed together near the one longitudinal edge 552 and the other longitudinal edge 554.

[0255] The hand-carrying member 550 has formed therein: the closing portion 596 formed by curving the band-shaped body 580 at the center in the width direction with the folded portions placed inward, closing the one longitudinal edge 552 and the other longitudinal edge 554 together, and sewing the one longitudinal edge 552 and the other longitudinal edge 554 together so that an inner side of the one longitudinal edge 552 and the other longitudinal edge 554 is curved to swell to an outer direction, that is, oppositely to the folded portions; the swelled portion 592 and the swelled portion 594 continued to the one longitudinal edge 552 and the other longitudinal edge 554; and the crest portion 590 (hand-carrying member forming step).

[0256] Next, the support member 600 is intervened for each of the one bridging region 566 and the other bridging region 568 in each of both longitudinal edges, that is, the one longitudinal edge 552 and the other longitudinal edge 554, of the band-shaped body in the one bridging region 566 and the other bridging region 568 of the hand-carrying member 550.

[0257] The support members 600 are intervened in the one overlapping region 562 and the other overlapping region 564 along the one overlapping region 562 and the other overlapping region 564 of the hand-carrying member 550 in order to raise the hand-carrying member 550 upward from the bag main body 512 (support member intervening step).

[0258] The longitudinal band-shaped bodies 630 and 640 made of leather or fabric forming the support members 600 include the overlapping region 610 having at least an upper portion formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges (one longitudinal edge 602 and other longitudinal edge 604) together, the support region 612 extending downward from the overlapping region 610, and the fixing region 614 formed below the support region 612.

[0259] In the support members 600, both longitudinal edges, that is, the one longitudinal edge 602 and the other longitudinal edge 604, of the overlapping region 610, are intervened in both longitudinal edges, that is, the one longitudinal

edge 552 and the other longitudinal edge 554, of the hand-carrying member 550 formed in an arch shape with a substantially C-shaped cross section.

[0260] The overlapping region 610 of the support member 600 and the overlapping region (one overlapping region 562 and other overlapping region 564) of the hand-carrying member 550 are sewed together so that the crest portion 650 of the support member 600 faces the crest portion 590 of the hand-carrying member 550 so as to be positioned oppositely thereto, thereby coupling the support member 600 to the hand-carrying member 550 (support member coupling step).

[0261] The band-shaped bodies 630 and band-shaped bodies 640 are formed by folding portions near both band-shape longitudinal edges made of leather or fabric inward and bonding folded portion together.

[0262] The band-shaped bodies 630 and band-shaped bodies 640 are configured so that the folded portions face each other to be laminated together to form one support member 600.

[0263] The support member 600 has formed therein: the closing portion 656 formed by curving the band-shaped bodies 630 and band-shaped bodies 640 at the center in the width direction with the band-shaped bodies 640 placed inward, closing the one longitudinal edge 602 and the other longitudinal edge 604 together, and sewing the one longitudinal edge 602 and the other longitudinal edge 604 together so that an inner side of the one longitudinal edge 602 and the other longitudinal edge 604 is curved to swell to the outer direction, that is, to the band-shaped bodies 630 side; the swelled portion 652 and the swelled portion 654 continued to the one longitudinal edge 602 and the other longitudinal edge 604; and the crest portion 650 of the support region 612 with the band-shaped bodies 630 and band-shaped bodies 640 curved at the center in the width direction (support member forming step).

[0264] For the outer hand-carrying member 550 and the inner support member 600, in a region where the closing portion 596 of the band-shaped body 580 and the crest portion 650 of band-shaped bodies 630 and band-shaped bodies 640 are overlapped each other, a portion near the longitudinal edge (one longitudinal edge 552 and other longitudinal edge 554) of the outer hand-carrying member 550 and a portion near the crest portion 650 of the inner one support member 600 are sewed together to form the sewing portion 660.

[0265] In an overlapping region between the one overlapping region 562 of the hand-carrying member 550 and the overlapping region 610 of the support member 600 and an overlapping region between the other overlapping region 564 of the hand-carrying member 550 and the overlapping region 610 of the support member 600 extending from the shouldering region B1, a portion near the one longitudinal edge 552 and the other overlapping region 564 of the hand-carrying member 550 and the crest portion 650 of the support member 600 are sewed together along the one longitudinal edge 552 and the other longitudinal edge 554 of the hand-carrying member 550 to form the sewing portion 660.

[0266] Next, the support member 600 is formed so that the support region 612 has an arch shape with a substantially C-shaped or substantially U-shaped cross section at least near the overlapping region 610, and the fixing region 614 below the support region 612 is fixed to the bag main body 512 (support member fixing step).

[0267] Next, the hand-carrying member 550 extends downward from the fixing region 614 of the support members 600 fixed to the bag main body 512, and is fixed to the bag main body 512 in the fixing regions (one fixing region 570 and other fixing region 572) of the hand-carrying member 550 (hand-carrying member fixing step).

[0268] The support region 612 of the support member 600 is located between the overlapping region 610 and the fixing region 614 where the inner support member 600 is attached to the surface of the bag main body 512. The support region 612 is formed with the band-shaped bodies 630 and band-shaped-bodies 640 curved at the center in the width direction, without the support region 612 portion being sewed.

[0269] The overlapping regions 610 at one end of the inner support members 600 are attached to the one overlapping region 562 and the other overlapping region 564 of the hand-carrying members 550, and the fixing regions 614 at the other end are attached to the outer surface of the back main body 512.

[0270] In this embodiment, the overlapping regions 610 at one end of the inner support members 600 are sewed to the one overlapping region 562 and the other overlapping region 564 of the hand-carrying member 550 near the left side gore portion 524A (right side gore portion 524B) configuring the gore portion 524 near the opening 528 of the front body portion 520, and also the fixing regions 614 at the other end are sewed to portions near the right side gore portion 524B configuring the gore portion 524 near the opening 528 of the front body portion 520.

[0271] The back surface side of the fixing regions 614 in a flat state of the long band-shaped bodies (band-shaped bodies 630 and band-shaped bodies 640) configuring the inner support member 600 is made in contact with and sewed to the outer surface of the bag main body 512.

[0272] In this manner, the bag including the structure which supports the hand-carrying member 550 of the hand-carrying portion 514 of the present invention can be formed.

[0273] The structural modes of the above-described embodiments are not cited as restricting the present invention, and can be changed based on the idea of the present invention, as long as this falls within the scope of the claims.

DESCRIPTION OF SYMBOLS

[0274]

5	10, 210	hand-carrying bag
	12, 212	bag main body
	14, 214	hand-carrying portion
	20, 220	front body portion
	22, 222	back body portion
10	24, 224	gore portion
	24A, 224A	left side gore portion
	24B, 224B	right side gore portion
	26, 226	bottom portion
	28, 228	opening
15	30, 230	zipper
	32, 232	bottom member
	34, 234	bottom member joining region
	50, 250	hand-carrying member
	50A	first hand-carrying member
20	50B	second hand-carrying member
	52, 252, 102, 302	one longitudinal edge
	54, 254, 104, 304	other longitudinal edge
	60, 260	curved region
	62, 262	one overlapping region
25	64, 264	other overlapping region
	66, 266	one bridging region
	68, 268	other bridging region
	70, 270	one fixing region
	72, 272	other fixing region
30	80, 280	band-shaped body
	92, 94, 152, 154, 292, 294, 352, 354	swelled portion
	90, 150, 290, 350	crest portion
	96, 156, 296, 356	closing portion
	100, 300	support member
35	110, 310	overlapping region
	112, 312	support region
	114, 314	fixing region
	130, 140, 330, 340	band-shaped body
	160, 360	sewing portion
40	510	hand-carrying bag
	512	bag main body
	514	hand-carrying portion
	520	front body portion
	522	back body portion
45	524	gore portion
	524A	left side gore portion
	524B	right side gore portion
	526	bottom portion
	528	opening
50	530	zipper
	532	bottom member
	534	bottom member joining region
	550	hand-carrying member
	550A	first hand-carrying member
55	550B	second hand-carrying member
	552	one longitudinal edge
	554	other longitudinal edge
	560	curved region

562	one overlapping region
564	other overlapping region
566	one bridging region
568	other bridging region
5 570	one fixing region
572	other fixing region
580	band-shaped body
582	elastic member
582a	one longitudinal edge
10 582b	other longitudinal edge
592, 594, 652, 654	swelled portion
590, 650	crest portion
596, 656	closing portion
600	support member
15 602	one longitudinal edge
604	other longitudinal edge
610	overlapping region
612	support region
614	fixing region
20 630, 640	band-shaped body
660	sewing portion
670	pocket opening
672	pocket zipper
680	magnet piece
25 690	magnetic substance piece
A1	hand-carrying region
A2	non-sewing region
A3	joining region
A4	non-joining region
30 B1	shouldering region
B2	non-sewing region
B3	joining region
B4	non-joining region

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Claims

1. A hand-carrying portion (14) for a bag (10, 210), the hand-carrying portion (14) being attachable to a bag main body (12, 212) of the bag (10, 210) and comprising:

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a hand-carrying member (50, 250), wherein

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the hand-carrying member (50, 250) has a longitudinal band shape and is formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges together, and includes a curved region (60, 260), a one overlapping region (62, 262) and an other overlapping region (64, 264) formed continuously to both ends of the curved region (60, 260), a one bridging region (66, 266) formed continuously to the one overlapping region, and an other bridging region (68, 268) formed continuously to the other overlapping region (64, 264), and a one fixing region (70, 270) formed continuously to the one bridging region (66, 266) and an other fixing region (72, 272) formed continuously to the other bridging region (68, 268),

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the curved region (60, 260), the overlapping regions (62, 262, 64, 264), and nearby portions of the bridging regions (66, 266, 68, 268) continued to the overlapping regions are formed in the arch shape with the substantially C-shaped cross section,

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the hand-carrying member (50, 250) has two support members (100, 300) intervened between both of the longitudinal edges of the hand-carrying member (50, 250) to raise the hand-carrying member (50, 250) upward from the bag main body (12, 212),

each support member (100, 300) is a longitudinal band-shaped body, and includes an overlapping region (110, 310) having at least an upper portion formed in an arch shape with a substantially C-shaped cross section by combining both longitudinal edges of the support member (100, 300) together, a support region (112, 312) extending downward from the overlapping region (110, 310), and a fixing region (114, 314) formed below the

support region (112, 312),

each support member (100, 300) has both of the longitudinal edges of the overlapping region (110, 310) of the support member (100, 300) intervened between both longitudinal edges of the hand-carrying member (50, 250) formed in the arch shape with the substantially C-shaped cross section,

the support member (100, 300) is coupled, with the overlapping region (110, 310) of the support member (100, 300) and the one and the other overlapping regions (62, 262, 64, 264) of the hand-carrying member (50, 250) are respectively sewed together so that a crest portion of the support member (100, 300) faces a crest portion of the hand-carrying member (50, 250) so as to be positioned oppositely thereto,

each support member (100, 300) is to be fixed to the bag main body (12, 212) in the fixing region (114, 314) below the support region (112, 312), each support member (100, 300) having the support region (112, 312) formed in an arch shape with a substantially C-shaped cross section or a substantially U-shaped cross section at least near the overlapping region (110, 310),

and the hand-carrying member (50, 250) extends downward from the fixing regions of the support member (100, 300) to be fixed to the bag main body (12, 212) and is to be fixed to the bag main body in the fixing regions of the hand-carrying member,

or the hand-carrying member extends downward from the overlapping regions of the hand-carrying member (50, 250), and is to be fixed to the bag main body (12, 212) in the fixing regions of the hand-carrying member (50, 250) of the portion extending downward.

2. The hand-carrying portion according to claim 1, wherein

each support member (100, 300) has a plurality of band-shaped bodies laminated, with the laminated band-shaped bodies curved in width to be formed in the arch shape with the substantially C-shaped cross section.

3. The hand-carrying portion according to claim 1, wherein

a magnetic substance piece and/or magnet piece is internally provided in the curved region (60, 260) of a one of hand-carrying member (50, 250) and the curved region (60, 260) of the other hand-carrying member (50, 250), so that at least a top of the hand-carrying member (50, 250) and at least a top of the other hand-carrying member, when overlapped with each other, are attracted and affixed to each other.

4. A method of attaching a hand-carrying portion of a bag (10, 210), comprising:

a hand-carrying member forming step of forming a hand-carrying member by forming a curved region (60, 260), a one overlapping region (62, 262) and an other overlapping region (64, 264), and nearby portions of a one bridging region (66, 266) and an other bridging region (68, 268) continued to the overlapping regions in an arch shape with a substantially C-shaped cross section, and

forming: a closing portion (96) by curving band-shaped bodies (80) at center in a width direction, closing a one longitudinal edge (52) and an other longitudinal edge (54) together, and sewing the one longitudinal edge (52) and the other longitudinal edge (54) together so that inner side portions of the one longitudinal edge (52) and the other longitudinal edge (54) are respectively curved to swell to an outer direction, that is, oppositely to the folded portions; a one swelled portion (92) continued to the one longitudinal edge (102) and an other swelled portion (94) continued to the other longitudinal edge (104); and a crest portion (90);

a support member forming step of forming a support member (100, 300) by forming: a closing portion (156) by curving band-shaped bodies (130, 140) which is different from the band-shaped bodies (80) at center in a width direction of the band-shaped bodies (130, 140), closing a one longitudinal edge (102) and an other longitudinal edge (104) together, and sewing the one longitudinal edge (102) and the other longitudinal edge (104) together so that an inner side portions of the one longitudinal edge (102) and the other longitudinal edge (104) of the band-shaped bodies (130, 140) is curved to swell to an outer direction; a one swelled portion (152) continued to the one longitudinal edge (102) and other swelled portion (154) continued to the other longitudinal edge (104); and a crest portion (150) of the support region with the band-shaped bodies (130, 140) curved at the center in the width direction;

a support member intervening step of intervening both longitudinal edges, that is, the one longitudinal edge and the other longitudinal edge, of the support member (100, 300) in an overlapping region (110, 310) between both of the longitudinal edges, that is, the one longitudinal edge and the other longitudinal edge, of the band-shaped bodies of the hand-carrying member (50, 250) in the one bridging region (66, 266) and the other bridging region (68, 268) along the one overlapping region and the other overlapping region of the hand-carrying member (50, 250) between the one overlapping region and the other overlapping region to raise the hand-carrying member (50, 250) upward from the bag main body (12, 212);

a support member coupling step of coupling the support member (100, 300) to the hand-carrying member (50,

250) by sewing the overlapping region (110, 310) of the support member (100, 300) and a one overlapping region (62, 262) and an other overlapping region (64, 264) of the hand-carrying member (50, 250) together so that a crest portion of the support member (100, 300) faces a crest portion of the hand-carrying member (50, 250) so as to be positioned oppositely thereto;

a support member fixing step of forming the support member (100, 300) having a support region (112, 312) formed in an arch shape with a substantially C-shaped cross section or a substantially U-shaped cross section at least near the overlapping region (110, 310), and fixing the support member (100, 300) to the bag main body (12, 212) in a fixing region (114, 314) below the support region; and

a hand-carrying member fixing step of extending the hand-carrying member (50, 250) downward from the fixing region (114, 314) of the support member (100, 300) fixed to the bag main body (12, 212) or downward from the overlapping regions of the hand-carrying member (50, 250), and fixing the hand-carrying member (50, 250) to the bag main body (12, 212) in a one fixing region (70, 270) and an other fixing region (72, 272) of the hand-carrying member (50, 250).

Patentansprüche

1. Ein Handträgerabschnitt (14) für eine Tasche (10, 210), wobei der Handträgerabschnitt (14) an einem Taschenhauptkörper (12, 212) der Tasche (10, 210) anbringbar ist und folgende Merkmale aufweist:

ein Handträgerbauteil (50, 250), wobei

das Handtragebauteil (50, 250) eine Längsbandform aufweist und in einer Bogenform mit einem im Wesentlichen C-förmigen Querschnitt gebildet ist durch Kombinieren beider Längskanten miteinander, und eine gekrümmte Region (60, 260), eine überlappende Region (62, 262) und eine andere überlappende Region (64, 264), die zu beiden Enden der gekrümmten Region (60, 260) durchgehend gebildet sind, eine Überbrückungsregion (66, 266), die zu der einen überlappenden Region durchgehend gebildet ist, und eine andere Überbrückungsregion (68, 268), die zu der anderen überlappenden Region (64, 264) durchgehend gebildet ist, und eine Fixierregion (70, 270), die zu der einen Überbrückungsregion (66, 266) durchgehend gebildet ist, und eine andere Fixierregion (72, 272) aufweist, die zu der anderen Überbrückungsregion (68, 268) durchgehend gebildet ist,

die gekrümmte Region (60, 260), die überlappenden Regionen (62, 262, 64, 264) und nahe daran gelegene Abschnitte der Überbrückungsregionen (66, 266, 68, 268), die zu den überlappenden Regionen durchgehen, in der Bogenform mit dem im Wesentlichen C-förmigen Querschnitt gebildet sind,

das Handträgerbauteil (50, 250) zwei Stützbauteile (100, 300) aufweist, die zwischen beiden Längskanten des Handträgerbauteils (50, 250) liegen, um das Handträgerbauteil (50, 250) von dem Taschenhauptkörper (12, 212) nach oben anzuheben,

jedes Stützbauteil (100, 300) ein bandförmiger Längskörper ist und eine überlappende Region (110, 310), die zumindest einen oberen Abschnitt aufweist, der in einer Bogenform mit einem im Wesentlichen C-förmigen Querschnitt gebildet ist durch Kombinieren beider Längskanten des Stützbauteils (100, 300) miteinander, eine Stützregion (112, 312), die sich von der überlappenden Region (110, 310) nach unten erstreckt, und eine Fixierregion (114, 314) aufweist, die unterhalb der Stützregion (112, 312) gebildet ist,

bei jedem Stützbauteil (100, 300) beide Längskanten der überlappenden Region (110, 310) des Stützbauteils (100, 300) zwischen beiden Längskanten des Handträgerbauteils (50, 250) liegen, das in der Bogenform mit dem im Wesentlichen C-förmigen Querschnitt gebildet ist,

das Stützbauteil (100, 300), mit der überlappenden Region (110, 310) des Stützbauteils (100, 300) gekoppelt, und die eine und die andere überlappende Region (62, 262, 64, 264) des Handträgerbauteils (50, 250) jeweils aneinandergenäht sind, so dass ein Scheitelabschnitt des Stützbauteils (100, 300) einem Scheitelabschnitt des Handträgerabschnitts (50, 250) so zugewandt ist, dass dieser gegenüber von demselben positioniert ist,

jedes Stützbauteil (100, 300) an dem Taschenhauptkörper (12, 212) in der Fixierregion (114, 314) unterhalb der Stützregion (112, 312) fixiert sein soll, wobei bei jedem Stützbauteil (100, 300) die Stützregion (112, 312) in einer Bogenform mit einem im Wesentlichen C-förmigen Querschnitt oder einem im Wesentlichen U-förmigen Querschnitt zumindest nahe an der überlappenden Region (110, 310) gebildet ist,

und sich das Handträgerbauteil (50, 250) von den Fixierregionen des Stützbauteils (100, 300) nach unten erstreckt, um an den Taschenhauptkörper (12, 212) fixiert zu sein, und an dem Taschenhauptkörper in den Fixierregionen des Handträgerbauteils (50, 250) fixiert sein soll,

oder sich das Handträgerbauteil von den überlappenden Regionen des Handträgerbauteils (50, 250) nach unten erstreckt und an dem Taschenhauptkörper (12, 212) in den Fixierregionen des Handträgerbauteils (50, 250) des Abschnitts fixiert sein soll, der sich nach unten erstreckt.

2. Der Handträgerabschnitt gemäß Anspruch 1, bei dem jedes Stützbauteil (100, 300) eine Mehrzahl laminierter bandförmiger Körper aufweist, wobei die laminierten bandförmigen Körper der Breite nach gekrümmt sind, um so in der Bogenform mit dem im Wesentlichen C-förmigen Querschnitt gebildet zu sein.

3. Der Handträgerabschnitt gemäß Anspruch 1, bei dem ein Magnetmaterialstück und/oder ein Magnetstück im Inneren in der gekrümmten Region (60, 260) eines Elements des Handträgerabschnitts (50, 250) und der gekrümmten Region (60, 260) des anderen Handträgerbauteils (50, 250) vorgesehen ist, so dass zumindest ein oberer Teil des Handträgerbauteils (50, 250) und zumindest ein oberer Teil des anderen Handträgerbauteils, wenn diese einander überlappen, einander anziehen und aneinander befestigt werden.

4. Ein Verfahren zum Anbringen eines Handträgerabschnitts einer Tasche (10, 210), das folgende Schritte aufweist:

einen Bildungsschritt eines Handträgerbauteils (50, 250) eines Bildens eines Handträgerbauteils durch Bilden einer gekrümmten Region (60, 260), einer überlappenden Region (62, 262) und einer anderen überlappenden Region (64, 264) und nahegelegener Abschnitte einer Überbrückungsregion (66, 266) und einer anderen Überbrückungsregion (68, 268), die zu den überlappenden Regionen durchgehen, in einer Bogenform mit einem im Wesentlichen C-förmigen Querschnitt und

Bilden: eines Schließabschnitts (96) durch Krümmen bandförmiger Körper (80) in der Mitte in einer Breitenrichtung, Schließen einer Längskante (52) und einer anderen Längskante (54) miteinander und Nähen der einen Längskante (52) und der anderen Längskante (54) aneinander, so dass Innenseitenabschnitte der einen Längskante (52) und der anderen Längskante (54) jeweils gekrümmt sind und so in einer Außenrichtung aufgebläht sind, das heißt gegenüber von den gefalteten Abschnitten; eines aufgeblähten Abschnitts (92), der zu der einen Längskante (102) durchgehend ist, und eines anderen aufgeblähten Abschnitts (94), der zu der anderen Längskante (104) durchgehend ist; und eines Scheitelabschnitts (90);

einen Stützbauteil-Bildungsschritt eines Bildens eines Stützbauteils (100, 300) durch Bilden: eines Schließabschnitts (156) durch Krümmen bandförmiger Körper (130, 140), der sich von den bandförmigen Körpern (80) unterscheidet, in der Mitte in einer Breitenrichtung der bandförmigen Körper (130, 140), Schließen einer Längskante (102) und einer anderen Längskante (104) miteinander und Nähen der einen Längskante (102) und der anderen Längskante (104) aneinander, so dass Innenseitenabschnitte der einen Längskante (102) und der anderen Längskante (104) der bandförmigen Körper (130, 140) gekrümmt sind und so in einer Außenrichtung aufgebläht sind; eines aufgeblähten Abschnitts (152), der zu der einen Längskante (102) durchgehend ist, und eines anderen aufgeblähten Abschnitts (154), der zu der anderen Längskante (104) durchgehend ist; und eines Scheitelabschnitts (150) der Stützregion mit den bandförmigen Körpern (130, 140), die in der Mitte in der Breitenrichtung gekrümmt sind;

einen Dazwischen-Anordnen-Schritt des Stützbauteils (100, 300) eines Dazwischen-Anordnens beider Längskanten, das heißt der einen Längskante und der anderen Längskante, des Stützbauteils (100, 300) in einer überlappenden Region (110, 310) zwischen beiden Längskanten, das heißt der einen Längskante und der anderen Längskante, der bandförmigen Körper des Handträgerbauteils (50, 250) in der einen Überbrückungsregion (66, 266) und der anderen Überbrückungsregion (68, 268) entlang der einen überlappenden Region und der anderen überlappenden Region des Handträgerbauteils (50, 250) zwischen der einen überlappenden Region und der anderen überlappenden Region, um das Handträgerbauteil (50, 250) von dem Taschenhauptkörper (12, 212) nach oben anzuheben;

einen Stützbauteil-Koppelschritt eines Koppelns des Stützbauteils (100, 300) mit dem Handträgerbauteil (50, 250) durch Nähen der überlappenden Region (110, 310) des Stützbauteils (100, 300) und einer überlappenden Region (62, 262) und einer anderen überlappenden Region (64, 264) des Handträgerbauteils (50, 250) aneinander, so dass ein Scheitelabschnitt des Stützbauteils (100, 300) einem Scheitelabschnitt des Handträgerbauteils (50, 250) so zugewandt ist, dass dieser gegenüber von demselben positioniert ist;

einen Stützbauteil-Fixierschritt eines Bildens des Stützbauteils (100, 300) mit einer Stützregion (112, 312), die in einer Bogenform mit einem im Wesentlichen C-förmigen Querschnitt oder einem im Wesentlichen U-förmigen Querschnitt zumindest nahe an der überlappenden Region (110, 310) gebildet ist, und Fixierens des Stützbauteils (100, 300) an dem Taschenhauptkörper (12, 212) in einer Fixierregion (114, 314) unterhalb der Stützregion; und

einen Handträgerbauteil-Fixierschritt eines Erstreckens des Handträgerbauteils (50, 250) von der Fixierregion (114, 314) des Stützbauteils (100, 300), das an dem Taschenhauptkörper (12, 212) fixiert ist, nach unten oder von den überlappenden Regionen des Handträgerbauteils (50, 250) nach unten, und eines Fixierens des Handträgerbauteils (50, 250) an dem Taschenhauptkörper (12, 212) in einer Fixierregion (70, 270) und einer anderen

Fixierregion (72, 272) des Handträgerbauteils (50, 250).

Revendications

1. Partie de portée à la main (14) pour un sac (10, 210), la partie de portée à la main (14) pouvant être fixée à un corps principal (12, 212) du sac (10, 210) et comprenant:

un élément de portée à la main (50, 250),
dans laquelle

l'élément de portée à la main (50, 250) présente une forme de bande longitudinale et est formé en forme d'arc avec une section transversale sensiblement en forme de "C" en combinant l'un avec l'autre les deux bords longitudinaux, et comporte une région courbée (60, 260), une région de venue en chevauchement (62, 262) et une autre région de venue en chevauchement (64, 264) formées à la suite des deux extrémités de la région courbée (60, 260), une région de pontage (66, 266) formée à la suite de la première région de chevauchement, et une autre région de pontage (68, 268) formée à la suite de l'autre région de venue en chevauchement (64, 264), et une région de fixation (70, 270) formée à la suite de l'une région de pontage (66, 266) et une autre région de fixation (72, 272) formée à la suite de l'autre région de pontage (68, 268),

la région courbée (60, 260), les régions de venue en chevauchement (62, 262, 64, 264) et les parties voisines des régions de pontage (66, 266, 68, 268) se prolongeant jusqu'aux régions de venue en chevauchement sont formées en forme d'arc avec la section transversale sensiblement en forme de "C",

l'élément de portée à la main (50, 250) présente deux éléments de support (100, 300) interposés entre les deux bords longitudinaux de l'élément de portée à la main (50, 250) pour soulever l'élément de portée à la main (50, 250) vers le haut à partir du corps principal de sac (12, 212),

chaque élément de support (100, 300) est un corps en forme de bande longitudinale, et comporte une région de venue en chevauchement (110, 310) présentant au moins une partie supérieure formée en forme d'arc avec une section transversale sensiblement en forme de "C" en combinant l'un avec l'autre les deux bords longitudinaux de l'élément de support (100, 300), une région de support (112, 312) s'étendant vers le bas à partir de la région de venue en chevauchement (110, 310), et une région de fixation (114, 314) formée au-dessous de la région de support (112, 312),

chaque élément de support (100, 300) présente les deux bords longitudinaux de la zone de venue en chevauchement (110, 310) de l'élément de support (100, 300) interposés entre les deux bords longitudinaux de l'élément de portée à la main (50, 250) formée en forme d'arc avec la section transversale sensiblement en forme de "C", l'élément de support (100, 300), couplé à la région de venue en chevauchement (110, 310) de l'élément de support (100, 300), et l'une et l'autre région de venue en chevauchement (62, 262, 64, 264) de l'élément de portée à la main (50, 250) sont respectivement cousues l'une à l'autre de sorte qu'une partie de crête de l'élément de support (100, 300) fasse face à une partie de crête de l'élément de portée à la main (50, 250) de manière à être positionnée opposée à cette dernière,

chaque élément de support (100, 300) doit être fixé au corps principal de sac (12, 212) dans la région de fixation (114, 314) au-dessous de la région de support (112, 312), chaque élément de support (100, 300) présentant la région de support (112, 312) formée en forme d'arc avec une section transversale sensiblement en forme de "C" ou une section transversale sensiblement en forme de "U" au moins à proximité de la région de venue en chevauchement (110, 310),

et l'élément de portée à la main (50, 250) s'étend vers le bas à partir des régions de fixation de l'élément de support (100, 300) pour être fixé au corps principal de sac (12, 212) et doit être fixé au corps principal de sac dans les zones de fixation de l'élément de portée à la main,

ou l'élément de portée à la main s'étend vers le bas à partir des régions de venue en chevauchement de l'élément de portée à la main (50, 250), et doit être fixé au corps principal de sac (12, 212) dans les régions de fixation de l'élément de portée à la main (50, 250) de la partie s'étendant vers le bas.

2. Partie de portée à la main selon la revendication 1, dans laquelle
chaque élément de support (100, 300) présente une pluralité de corps stratifiés en forme de bande, avec les corps stratifiés en forme de bande courbés en largeur de manière à être formés en forme d'arc avec la section transversale sensiblement en forme de "C".

3. Partie de portée à la main selon la revendication 1, dans laquelle
une pièce de substance magnétique et/ou une pièce d'aimant est prévue à l'intérieur de la région courbée (60, 260) de l'un parmi les éléments de portée à la main (50, 250) et de la région courbée (60, 260) de l'autre élément de

portée à la main (50, 250), de sorte qu'au moins un sommet de l'élément de portée à la main (50, 250) et au moins un sommet de l'autre élément de portée à la main, lorsqu'ils se chevauchent entre eux, soient attirés et fixés l'un à l'autre.

5 **4.** Procédé de fixation d'une partie de portée à la main d'un sac (10, 210), comprenant:

une étape de formation d'un élément de portée à la main (50, 250) consistant à former un élément de portée à la main par le fait de

10 former une région courbée (60, 260), une région de venue en chevauchement (62, 262) et une autre région de venue en chevauchement (64, 264), et des parties à proximité d'une région de pontage (66, 266) et d'une autre région de pontage (68, 268) à la suite des régions de venue en chevauchement en forme d'arc avec une section transversale sensiblement en forme de "C", et

15 former une partie de fermeture (96) en recourbant les corps en forme de bande (80) au centre dans une direction de la largeur, en fermant entre eux un bord longitudinal (52) et un autre bord longitudinal (54), et en cousant l'un bord longitudinal (52) et l'autre bord longitudinal (54) l'un à l'autre de sorte que les parties latérales intérieures de l'un bord longitudinal (52) et de l'autre bord longitudinal (54) soient respectivement courbées de manière à se gonfler dans une direction vers l'extérieur, c'est-à-dire opposée aux parties repliées; une partie gonflée (92) à la suite de l'un bord longitudinal (102) et une autre partie gonflée (94) à la suite de l'autre bord longitudinal (104); et une partie de crête (90);

20 une étape de formation d'un élément de support consistant à former un élément de support (100, 300) en formant une partie de fermeture (156) en courbant les corps en forme de bande (130, 140), qui est différente des corps en forme de bande (80) au centre dans une direction de la largeur des corps en forme de bande (130, 140), en fermant entre eux un bord longitudinal (102) et un autre bord longitudinal (104), et en cousant l'un bord longitudinal (102) et l'autre bord longitudinal (104) l'un à l'autre de sorte qu'une partie latérale intérieure de l'un bord longitudinal (102) et de l'autre bord longitudinal (104) des corps en forme de bande (130, 140) soit courbée de manière à se gonfler dans une direction vers l'extérieur; une partie gonflée (152) à la suite de l'un bord longitudinal (102) et une autre partie gonflée (154) à la suite de l'autre bord longitudinal (104); et une partie de crête (150) de la région de support avec les corps en forme de bande (130, 140) courbés au centre dans la direction de la largeur;

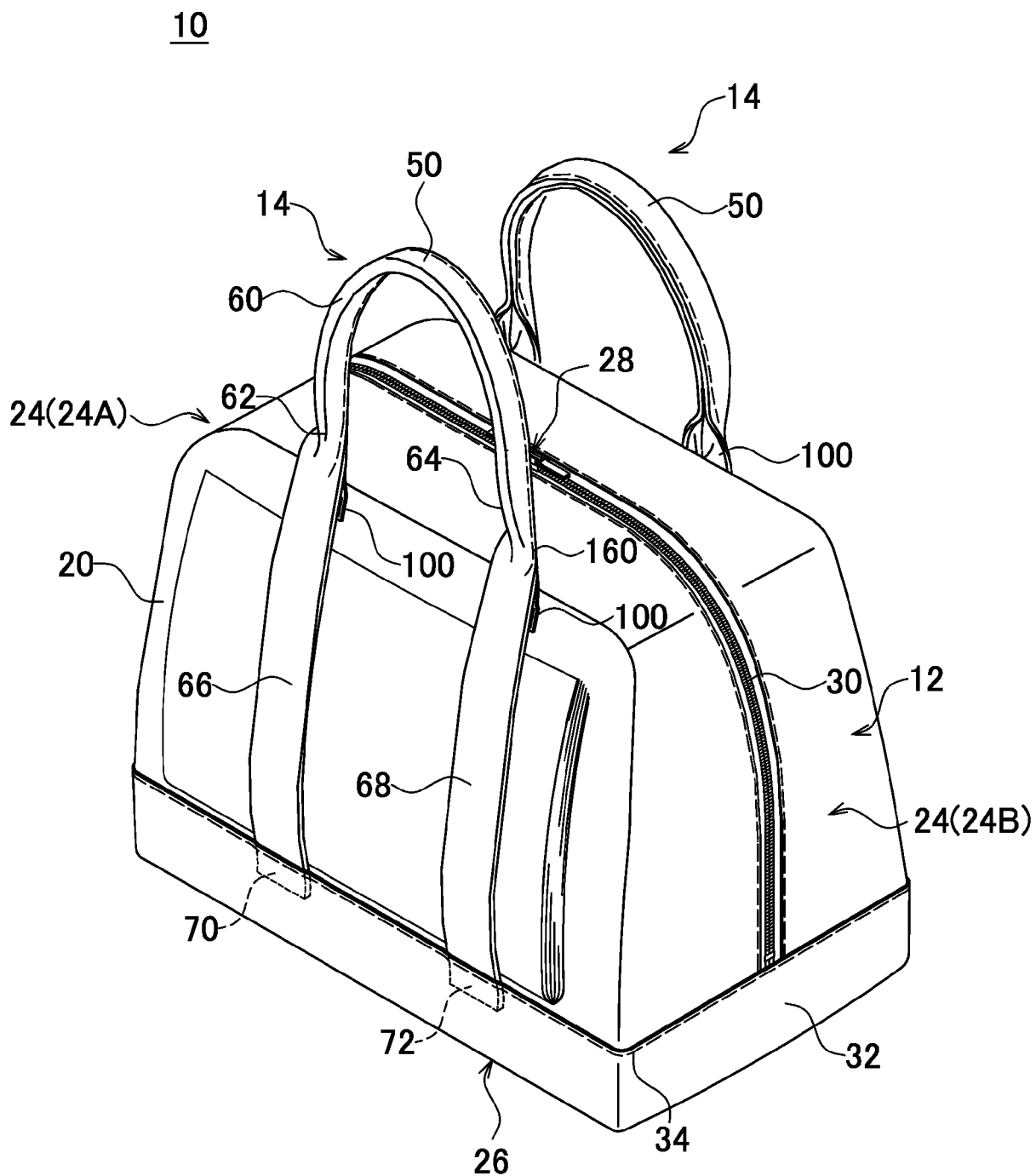
30 une étape d'interposition de l'élément de support (100, 300) consistant à interposer les deux bords longitudinaux, c'est-à-dire l'un bord longitudinal et l'autre bord longitudinal, de l'élément de support (100, 300) dans une région de venue en chevauchement (110, 310) entre les deux les bords longitudinaux, c'est-à-dire l'un bord longitudinal et l'autre bord longitudinal, des corps en forme de bande de l'élément de portée à la main (50, 250) dans l'une région de pontage (66, 266) et l'autre région de pontage (68, 268) le long de l'une région de venue en chevauchement et de l'autre région de venue en chevauchement de l'élément de portée à la main (50, 250) entre l'une région de venue en chevauchement et l'autre région de venue en chevauchement pour élever l'élément de portée à la main (50, 250) vers le haut à partir du corps principal de sac (12, 212);

35 une étape de couplage d'élément de support consistant à coupler l'élément de support (100, 300) à l'élément de portée à la main (50, 250) en cousant l'une à l'autre la région de venue en chevauchement (110, 310) de l'élément de support (100, 300) et une région de venue en chevauchement (62, 262) et une autre région de venue en chevauchement (64, 264) de l'élément de portée à la main (50, 250) de sorte qu'une partie de crête de l'élément de support (100, 300) fasse face à une partie de crête de l'élément de portée à la main élément (50, 250) de manière à être positionné opposée à cette dernière;

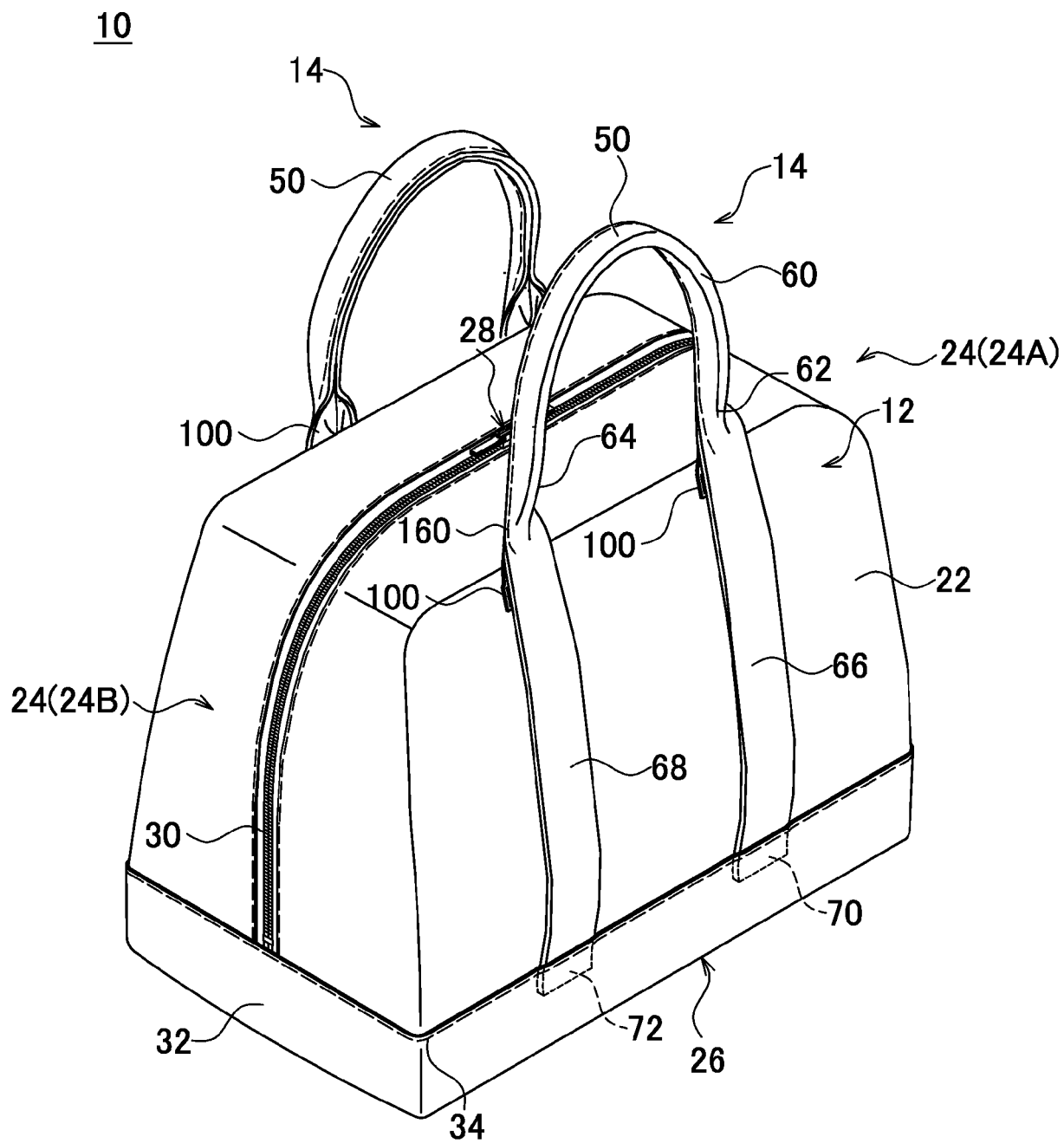
40 une étape de fixation d'élément de support consistant à former l'élément de support (100, 300) présentant une région de support (112, 312) formée en forme d'arc avec une section transversale sensiblement en forme de "C" ou une section transversale sensiblement en forme de "U" au moins à proximité de la région de venue en chevauchement (110, 310) et à fixer l'élément de support (100, 300) au corps principal de sac (12, 212) dans une région de fixation (114, 314) au-dessous de la région de support; et

45 une étape de fixation de l'élément de portée à la main consistant à étendre l'élément de portée à la main (50, 250) vers le bas depuis la région de fixation (114, 314) de l'élément de support (100, 300) fixé au corps principal de sac (12, 212) ou vers le bas depuis les régions de venue en chevauchement de l'élément de portée à la main (50, 250), et à fixer l'élément de portée à la main (50, 250) au corps principal de sac (12, 212) dans une région de fixation (70, 270) et une autre zone de fixation (72, 272) de l'élément de portée à la main (50, 250).

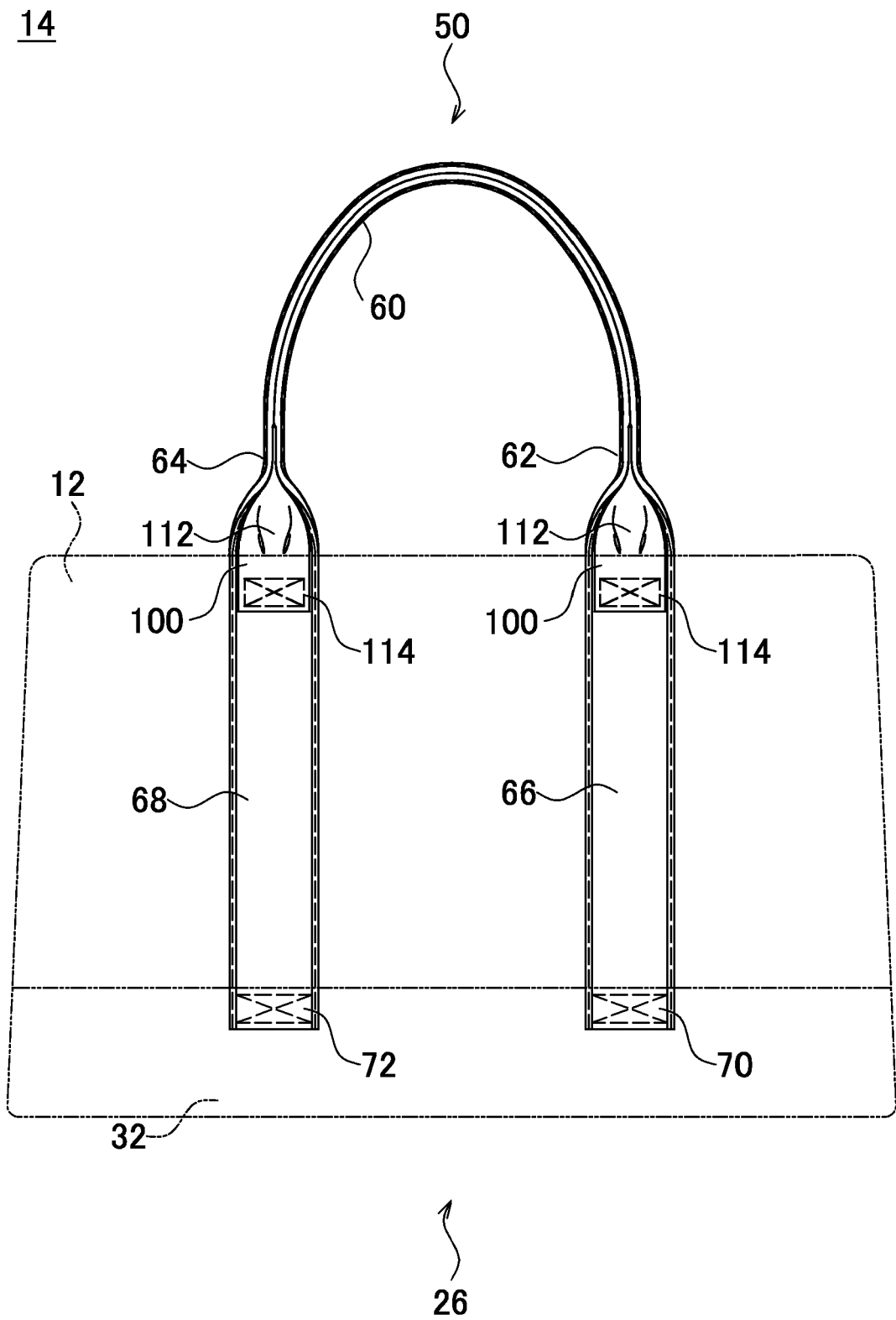
【FIG. 1】



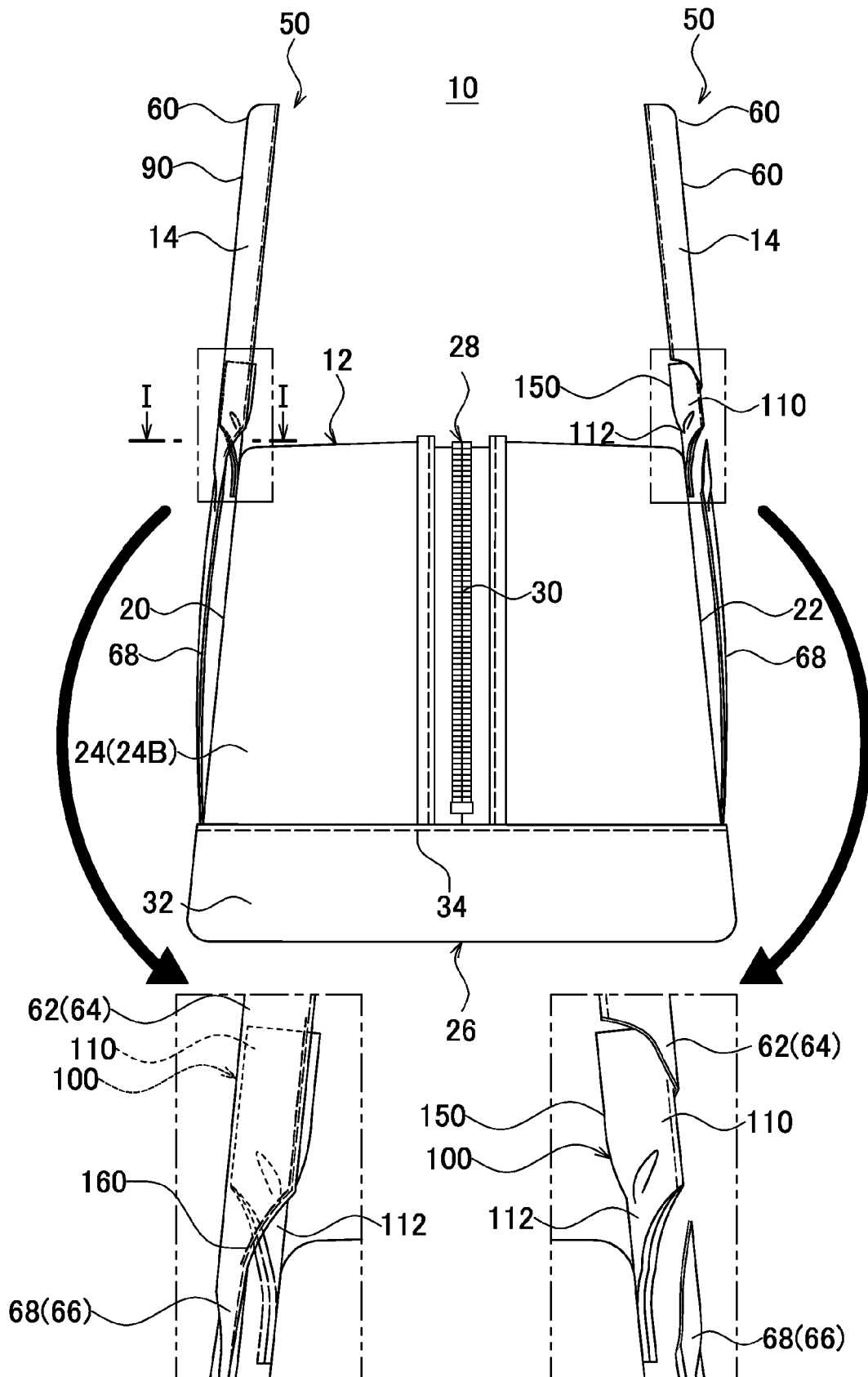
【FIG. 2】



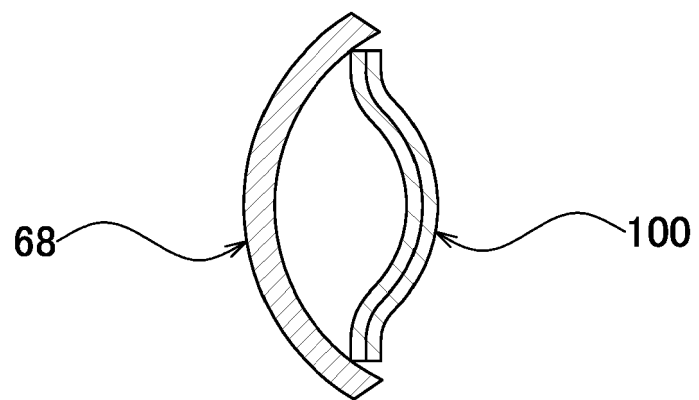
【FIG. 3】



【FIG. 4】

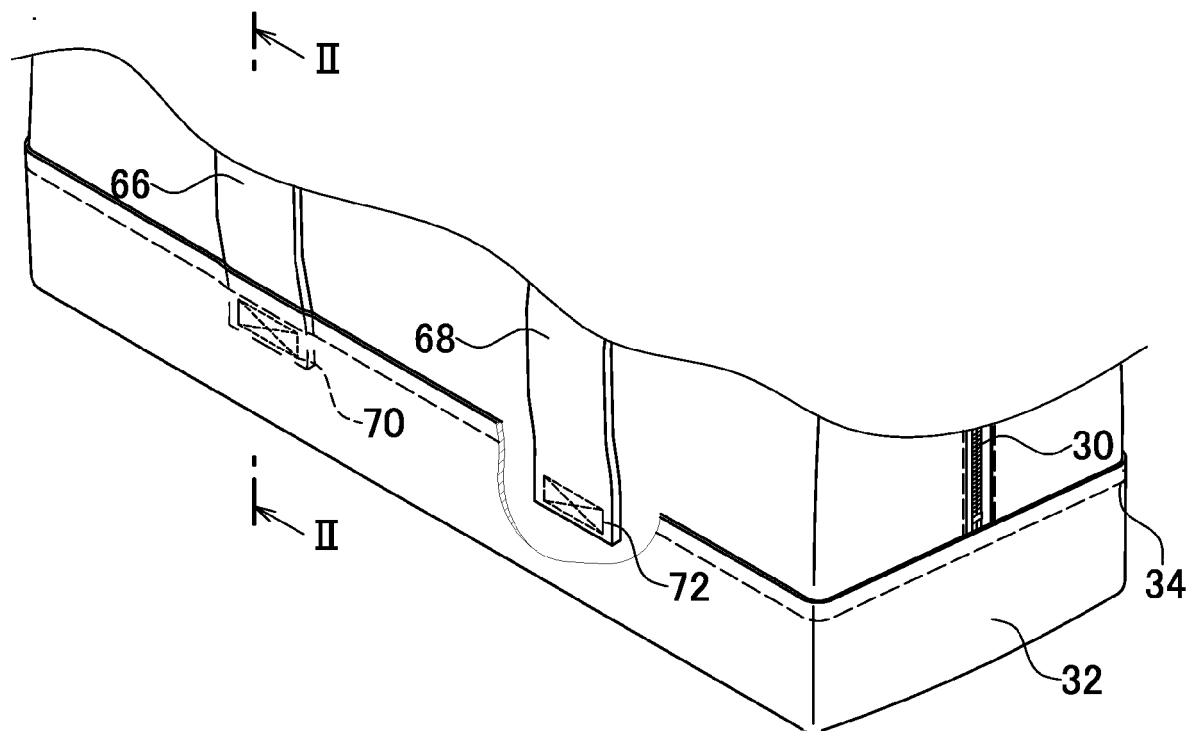


【FIG. 5】

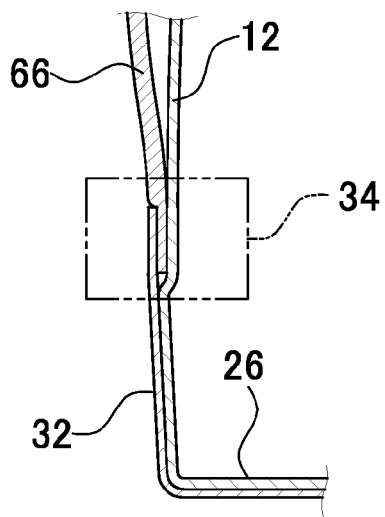


End face view along I-I

【FIG. 6】

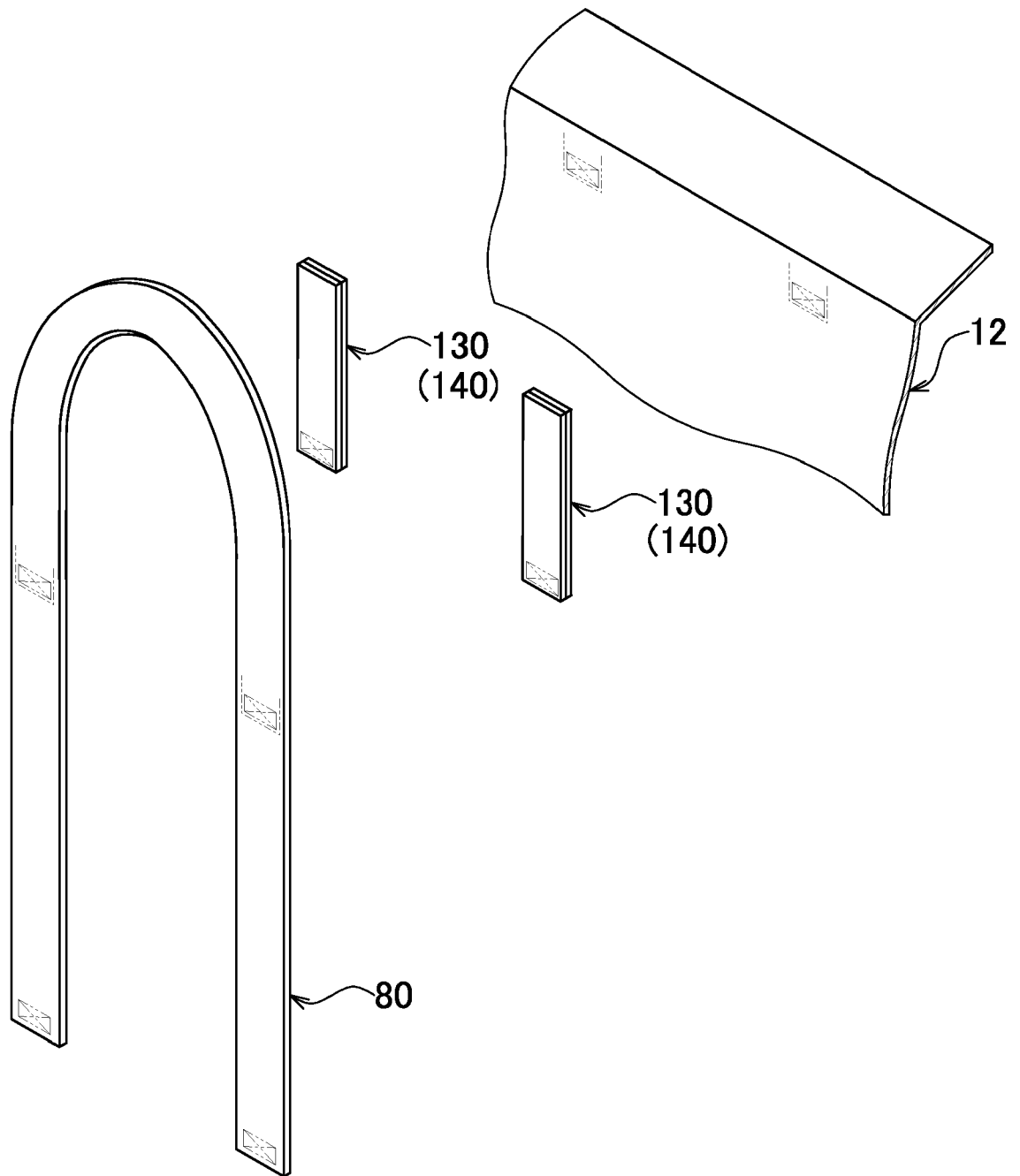


【FIG. 7】

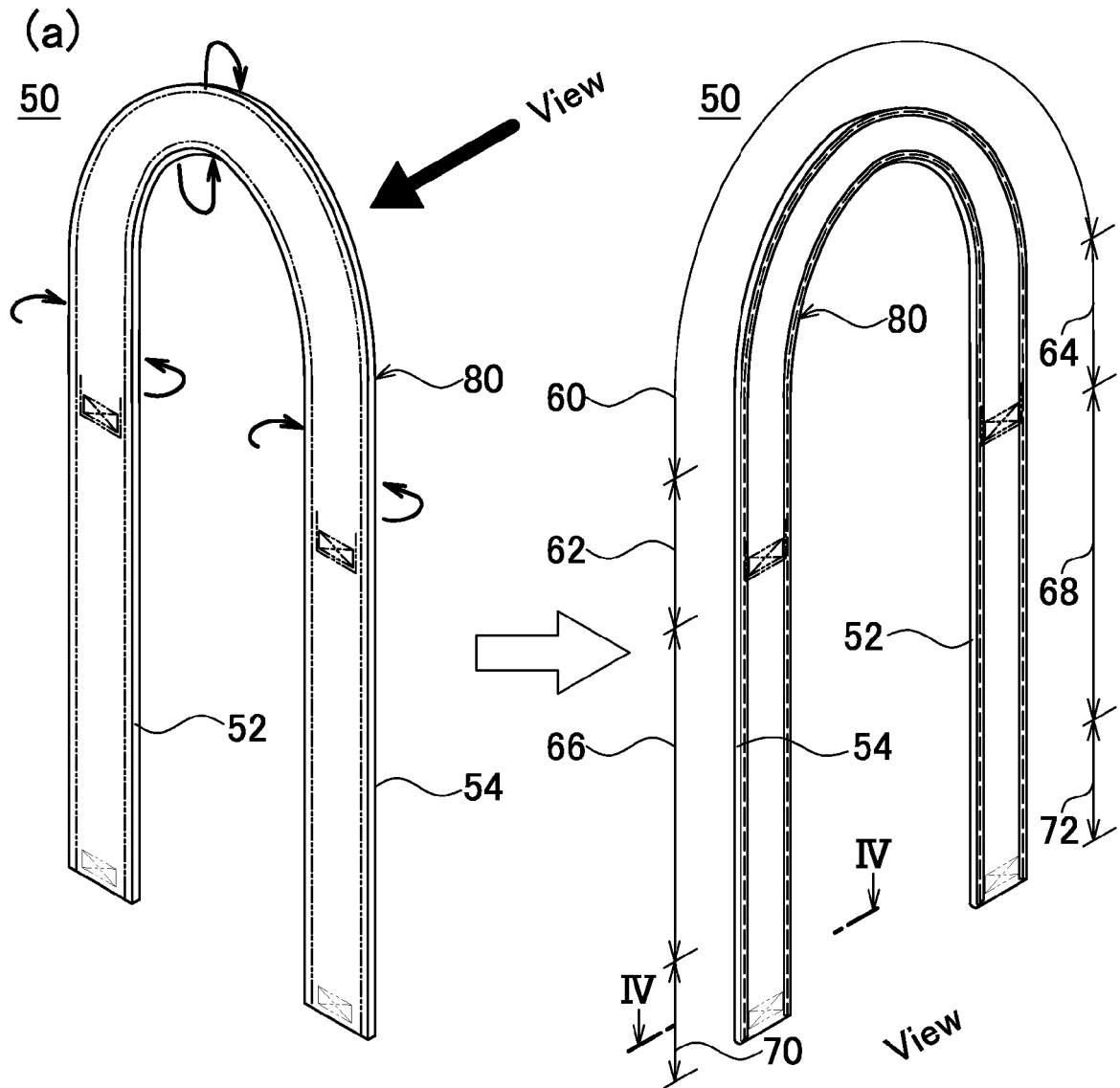


End face view along II - II

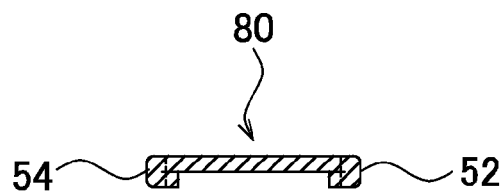
【FIG. 8】



【FIG. 9】

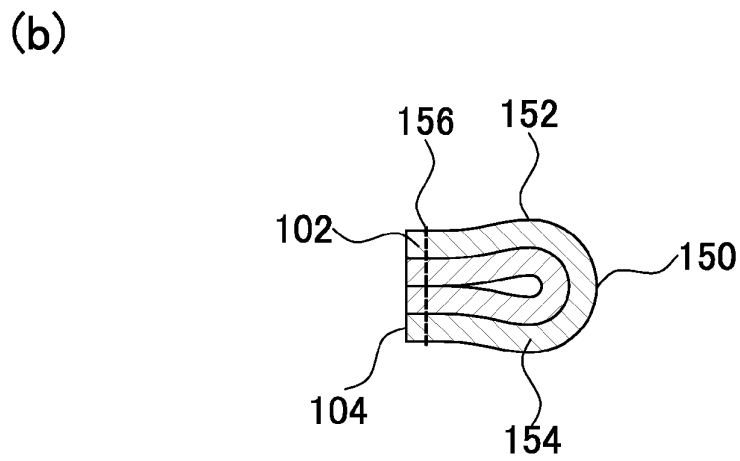
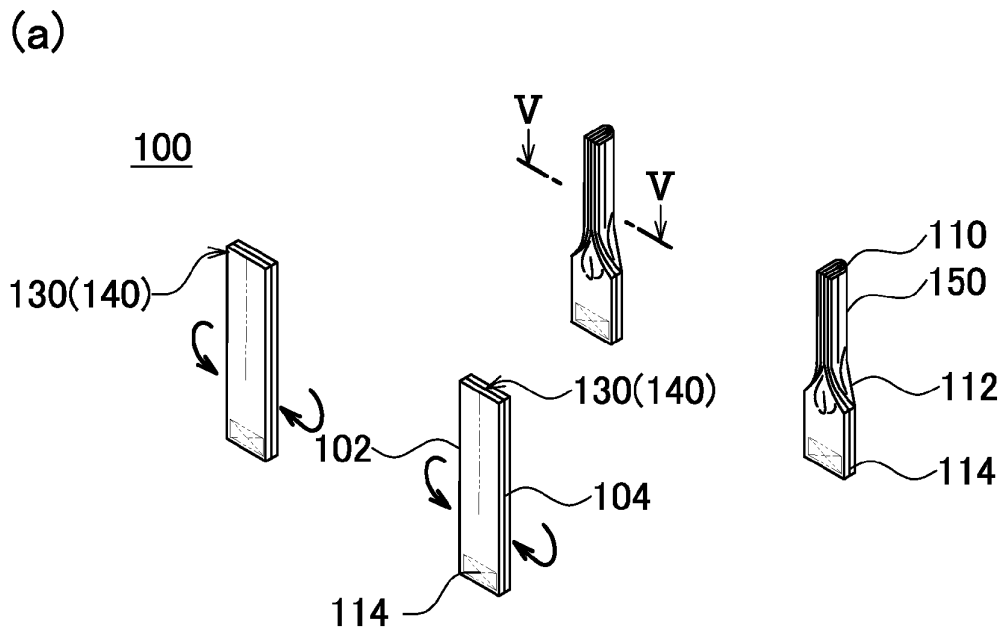


(b)



End face view along IV-IV

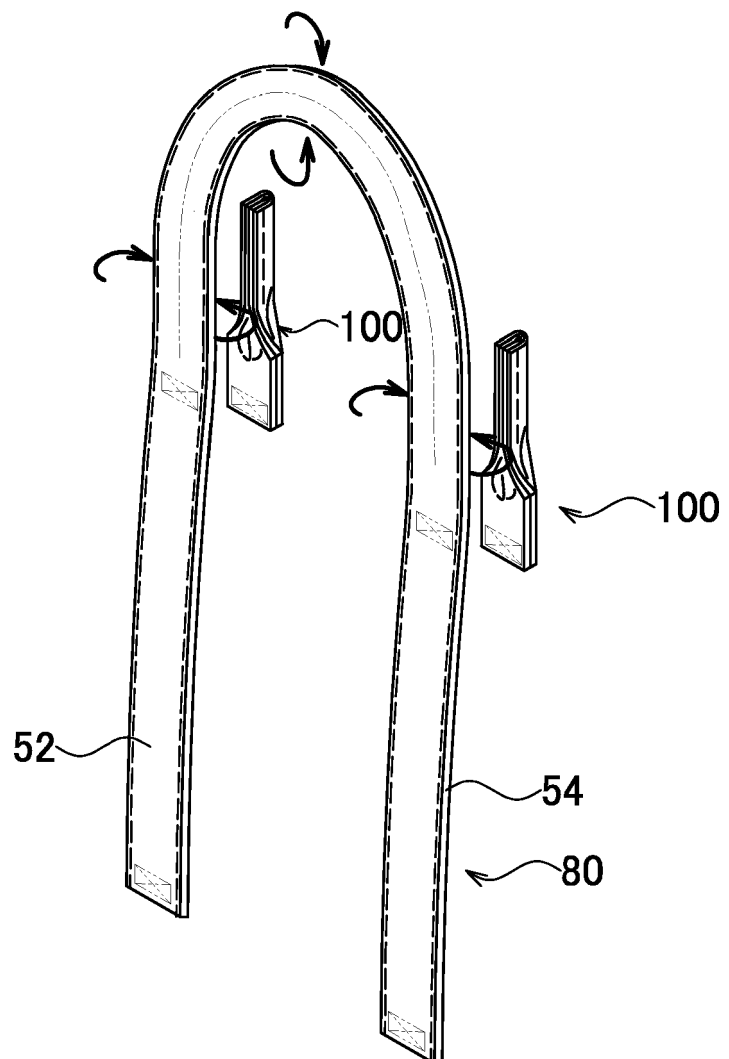
【FIG. 10】



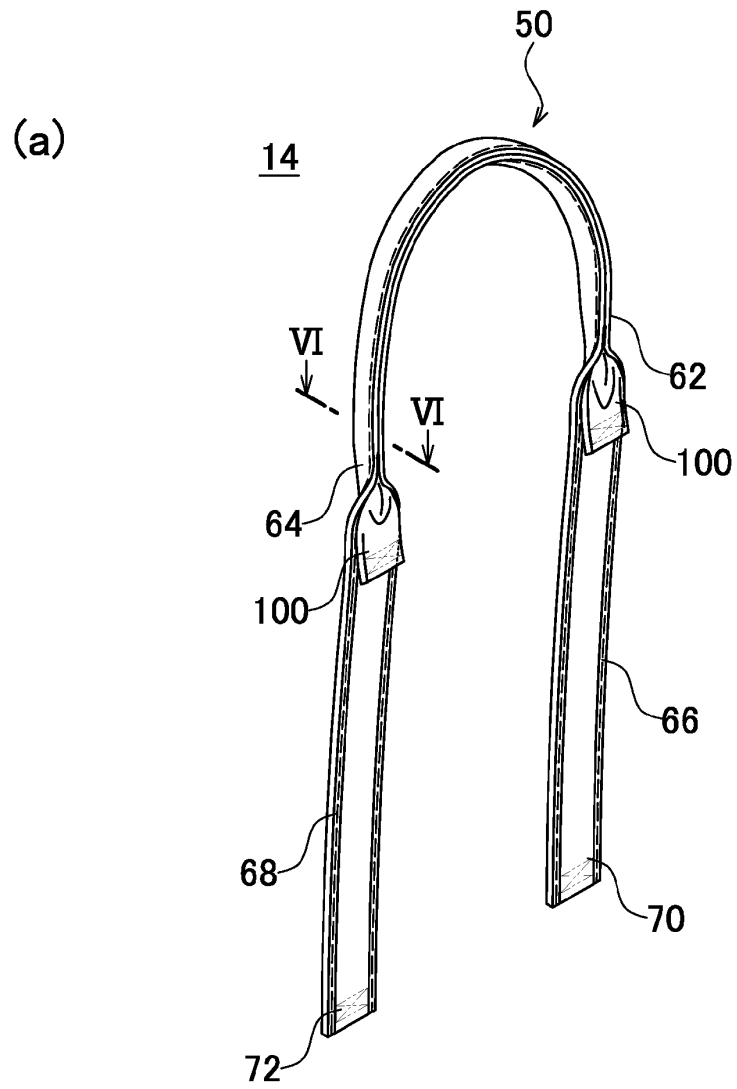
End face view along V - V

【FIG. 11】

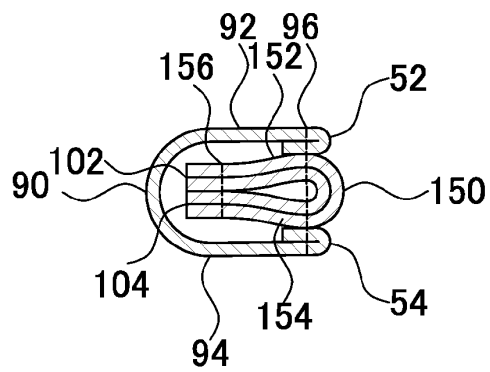
14



【FIG. 12】

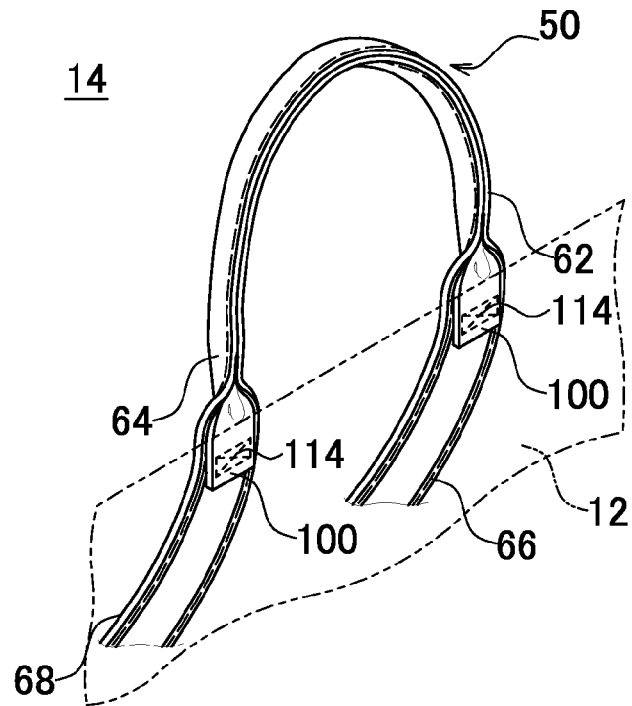


(b)

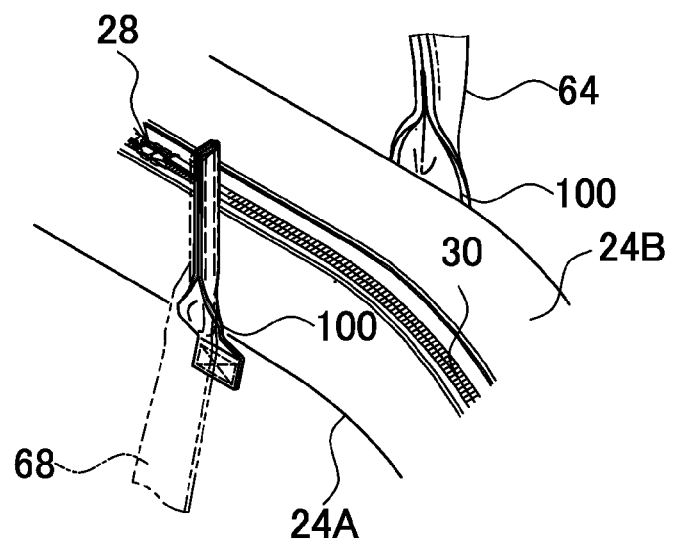


End face view along VI-VI

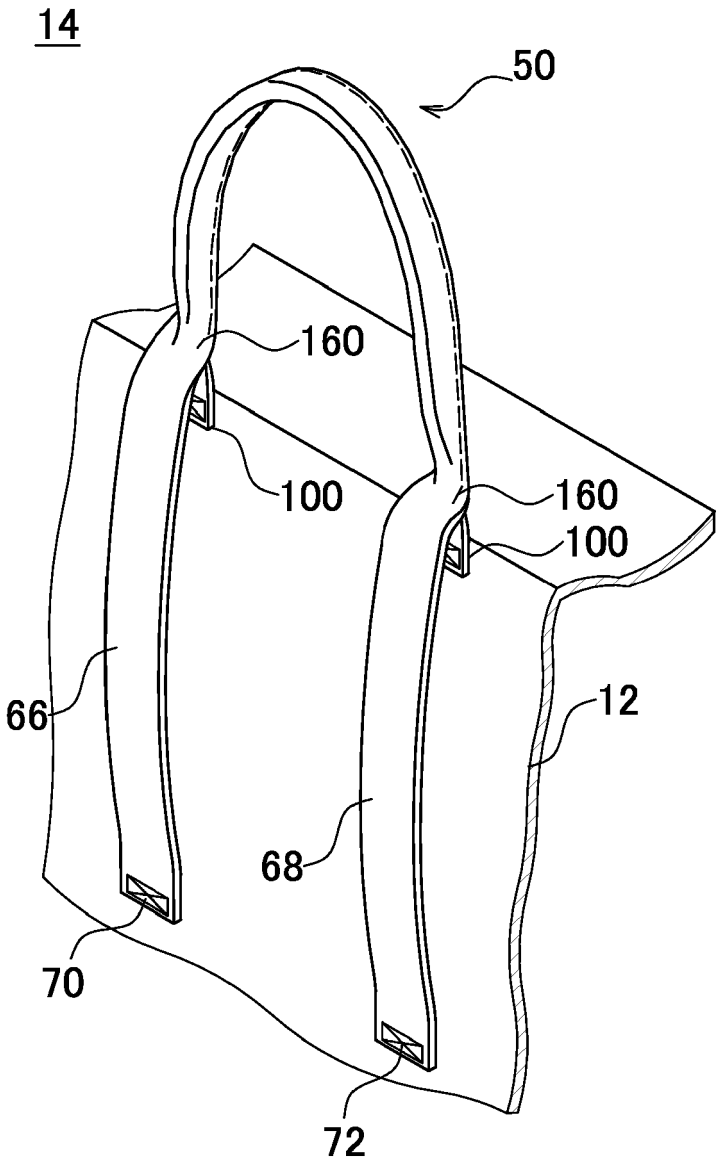
【FIG. 13】



【FIG. 14】

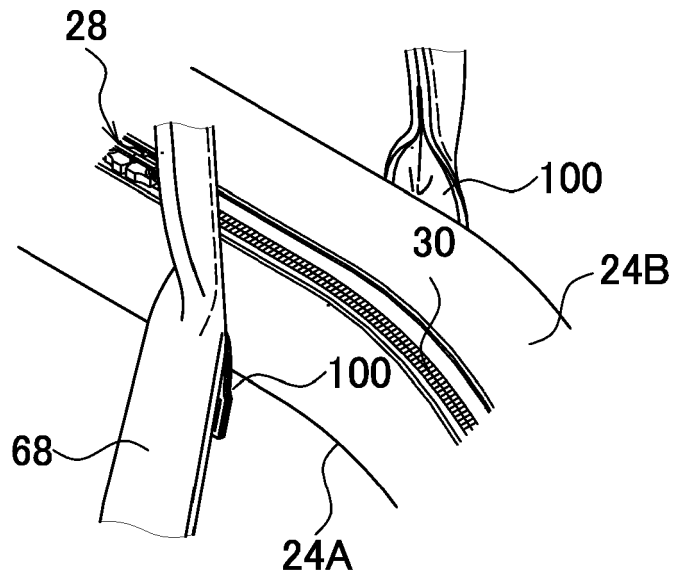


【FIG. 15】

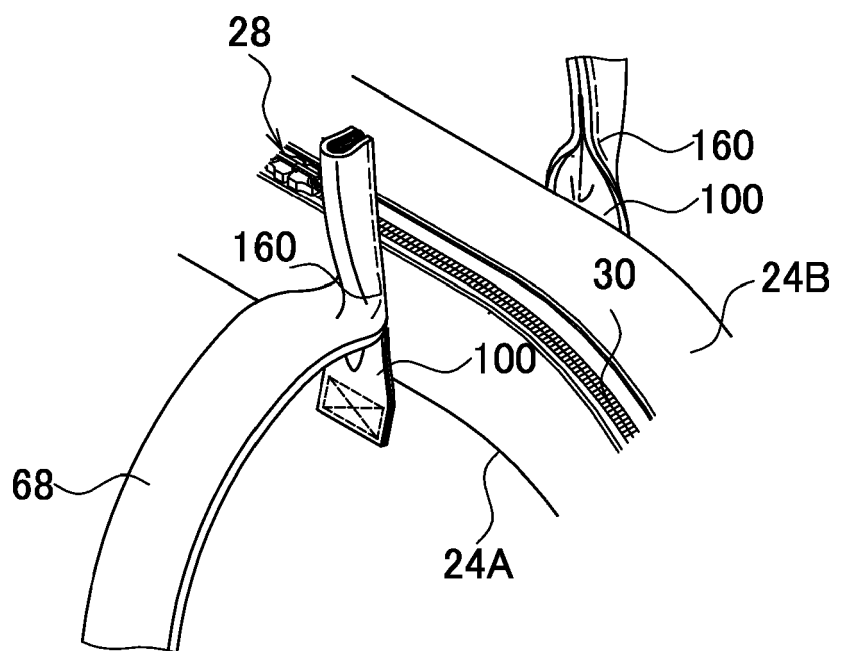


【FIG. 16】

(a)

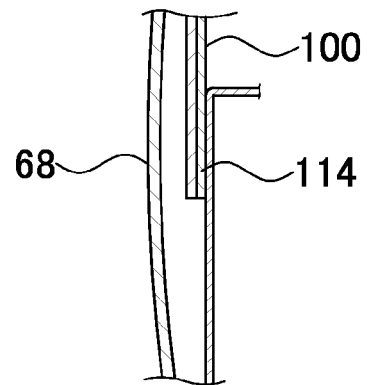


(b)

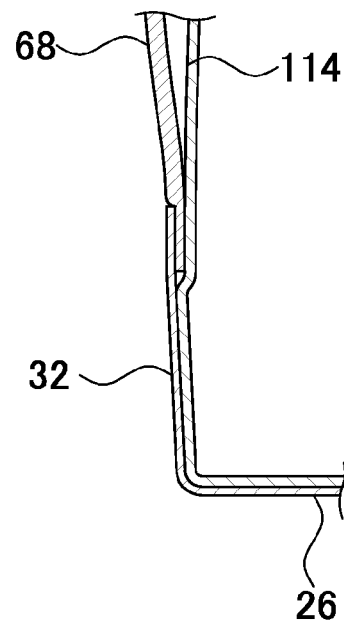


【FIG. 17】

(a)

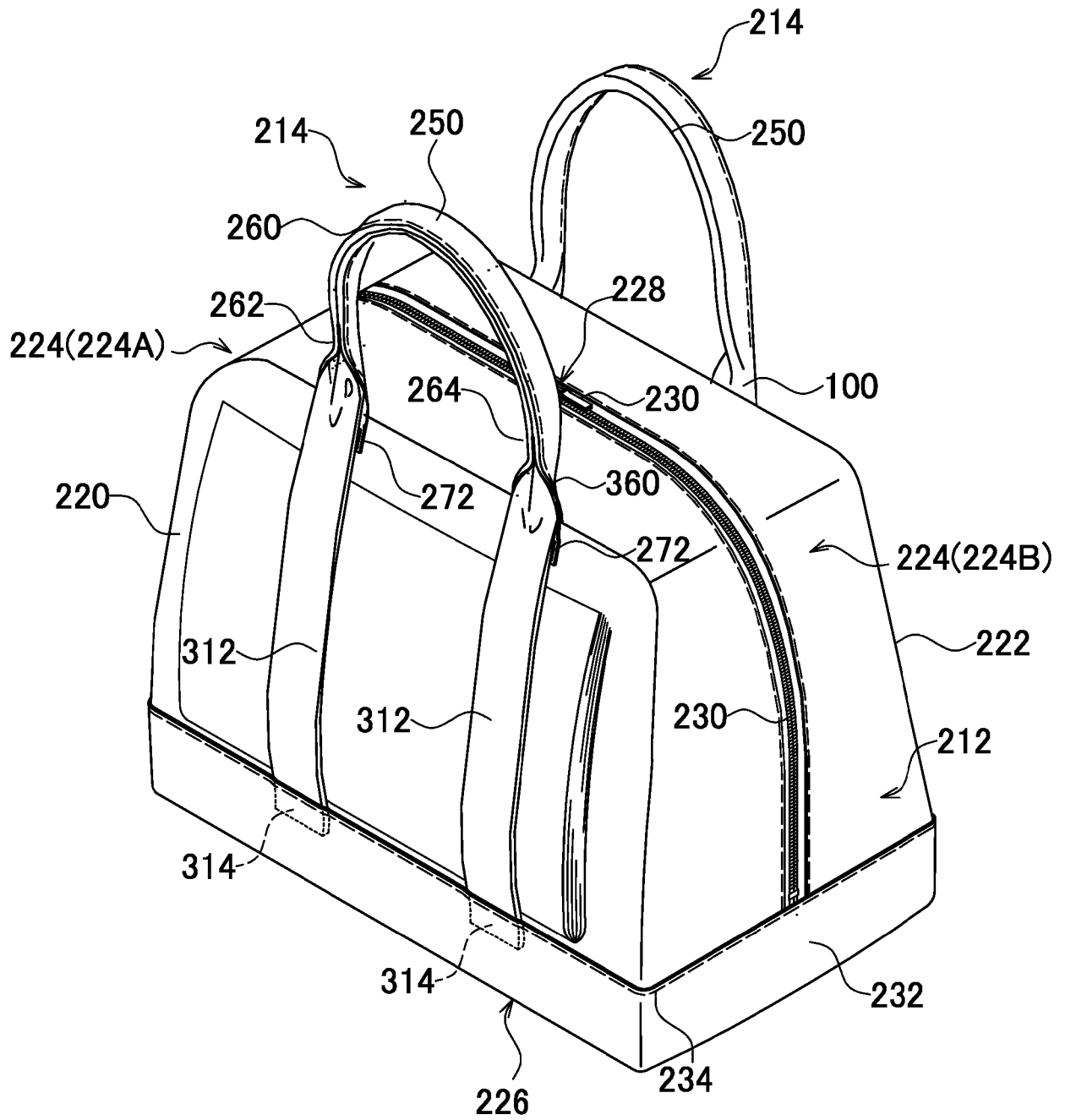


(b)

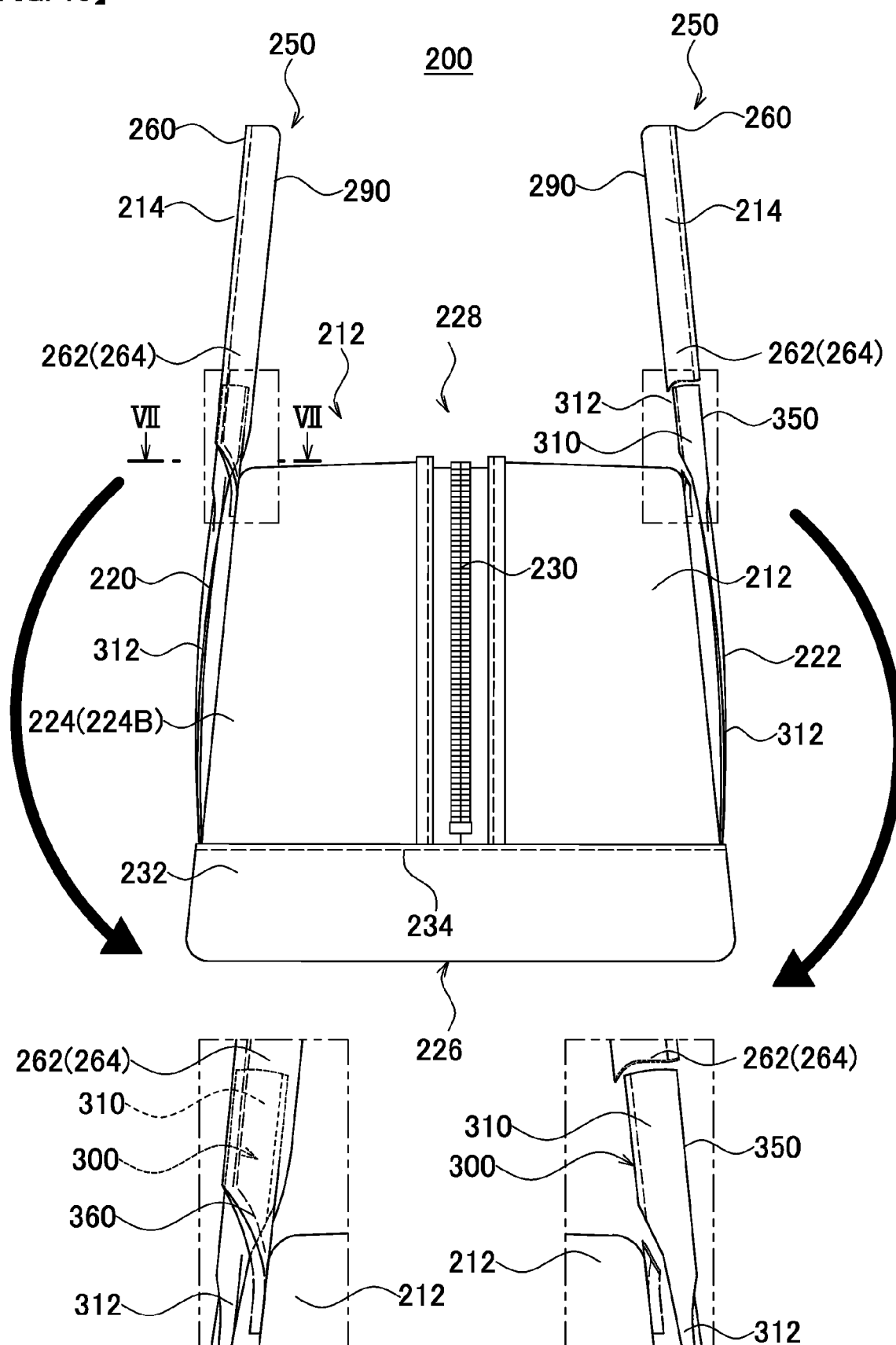


【FIG. 18】

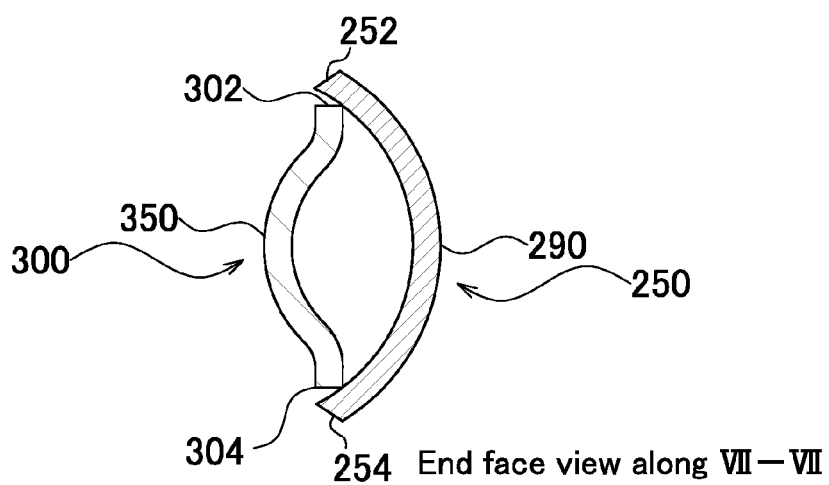
200



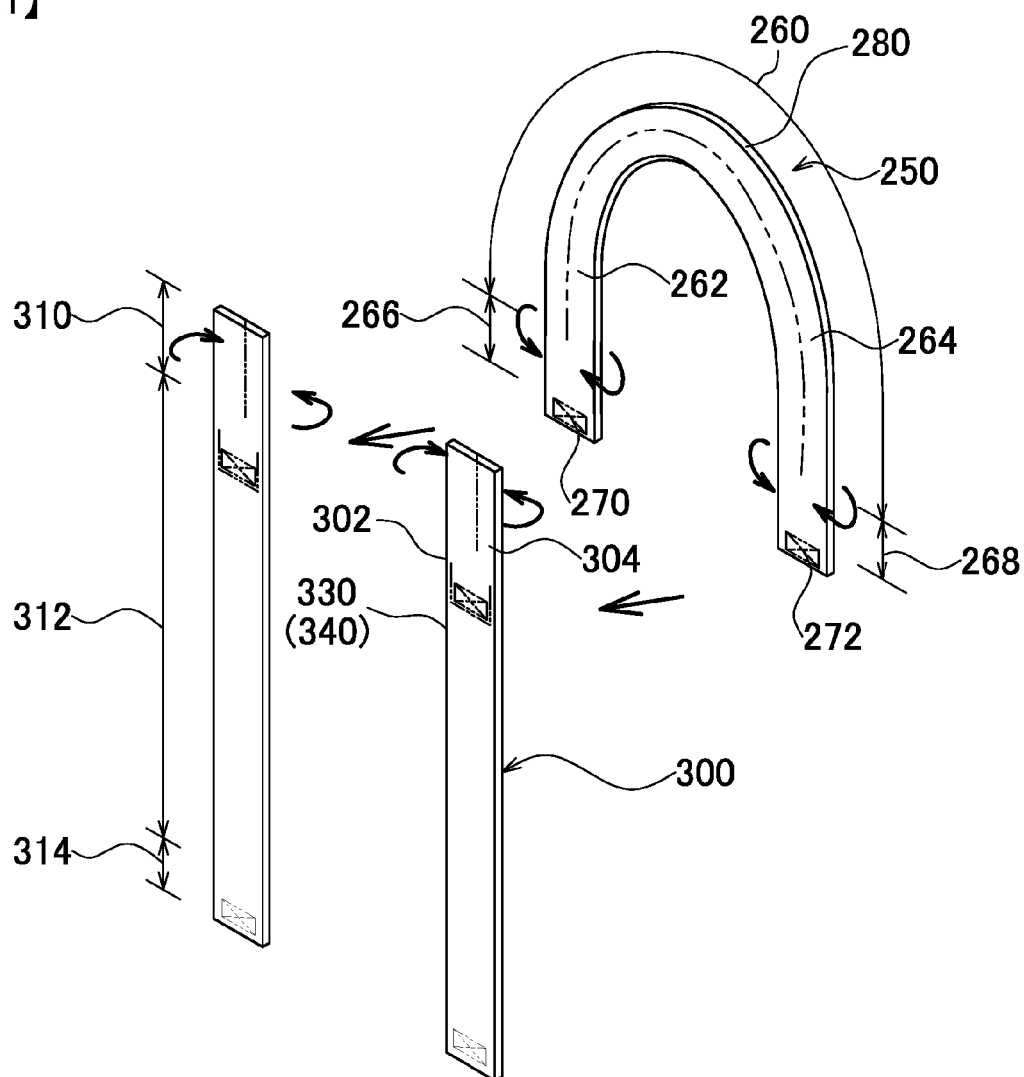
【FIG. 19】



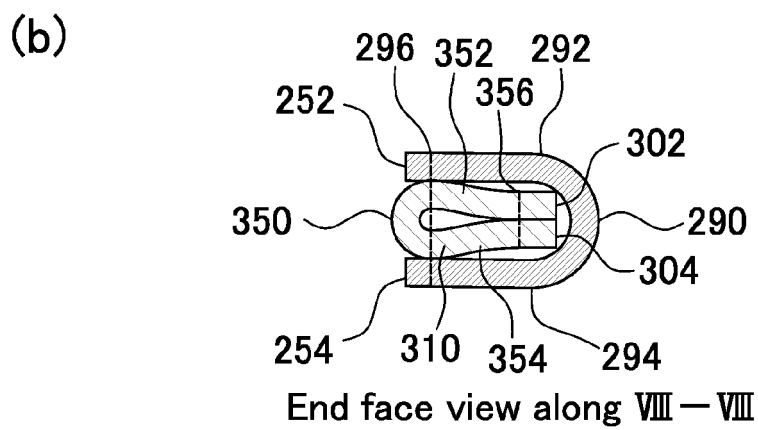
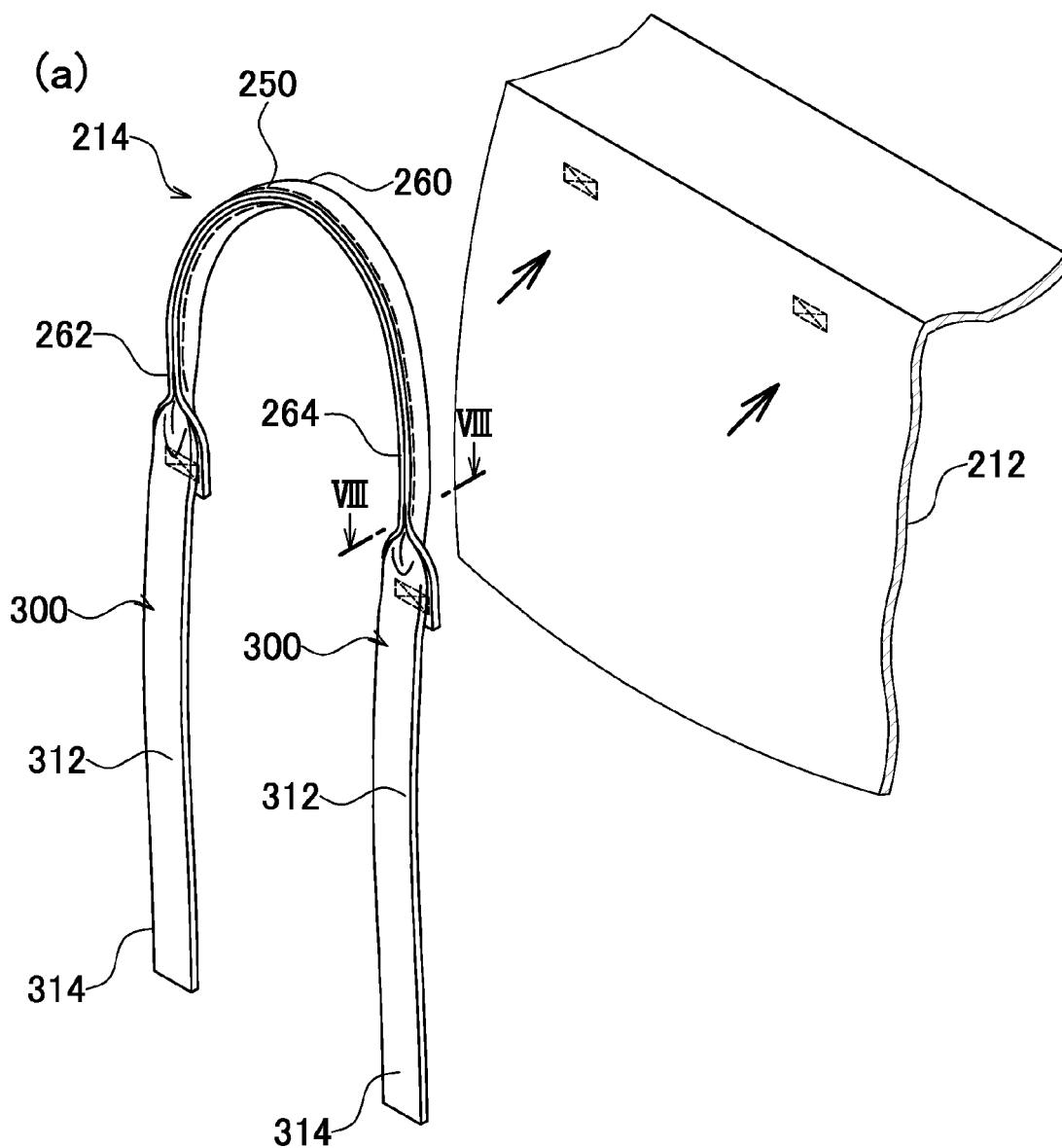
【FIG. 20】



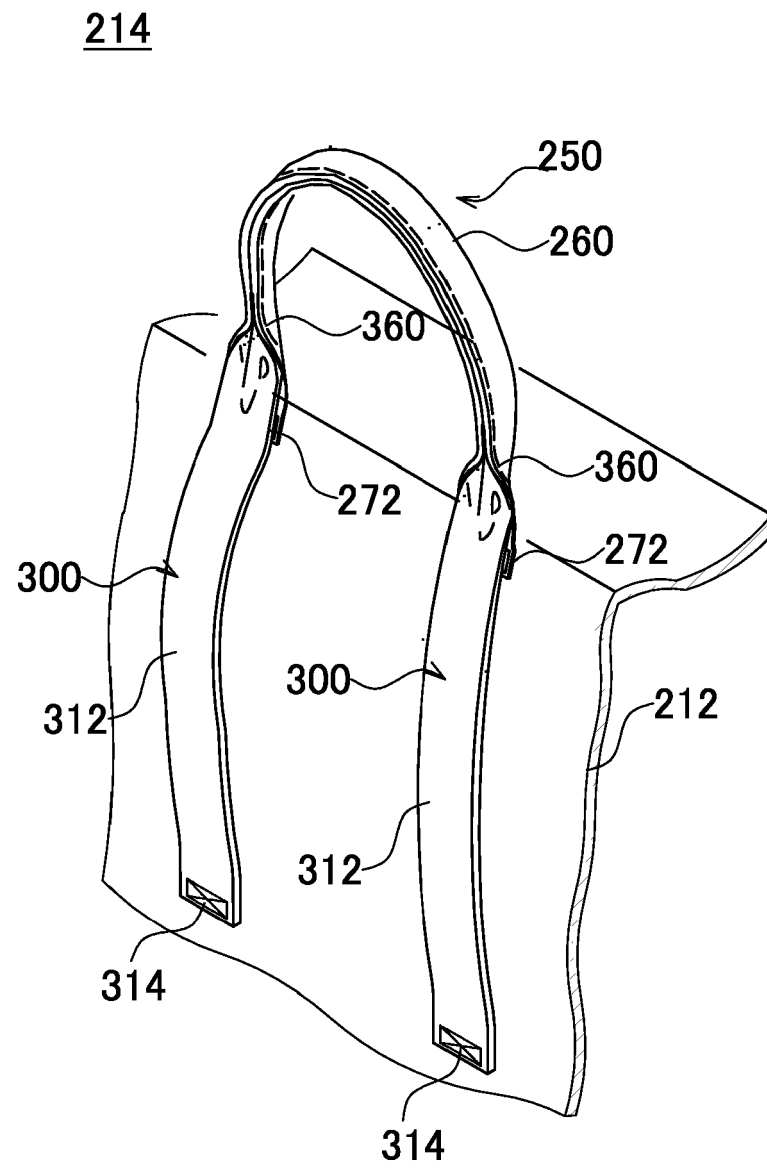
【FIG. 21】



【FIG. 22】

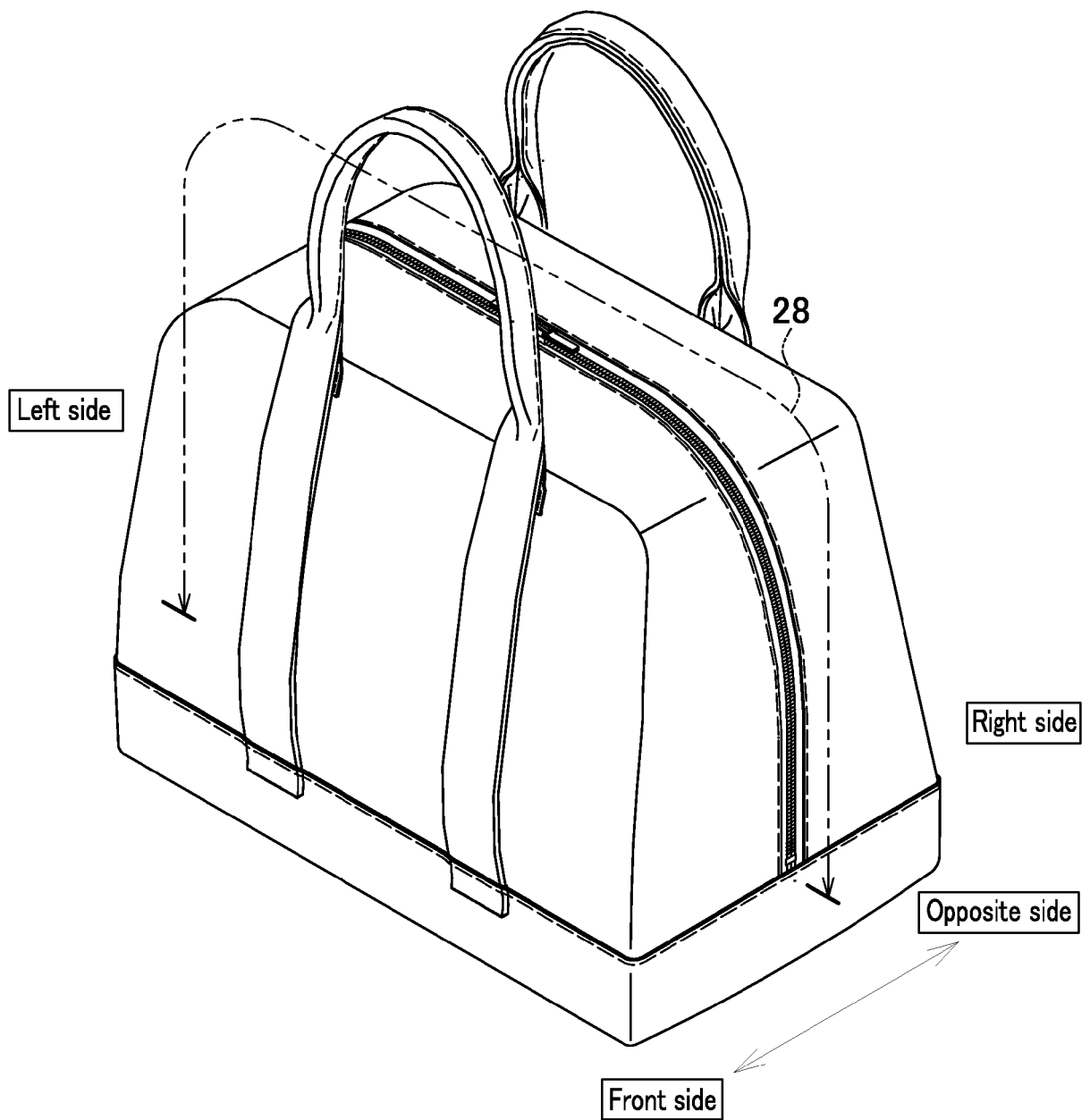


【FIG. 23】

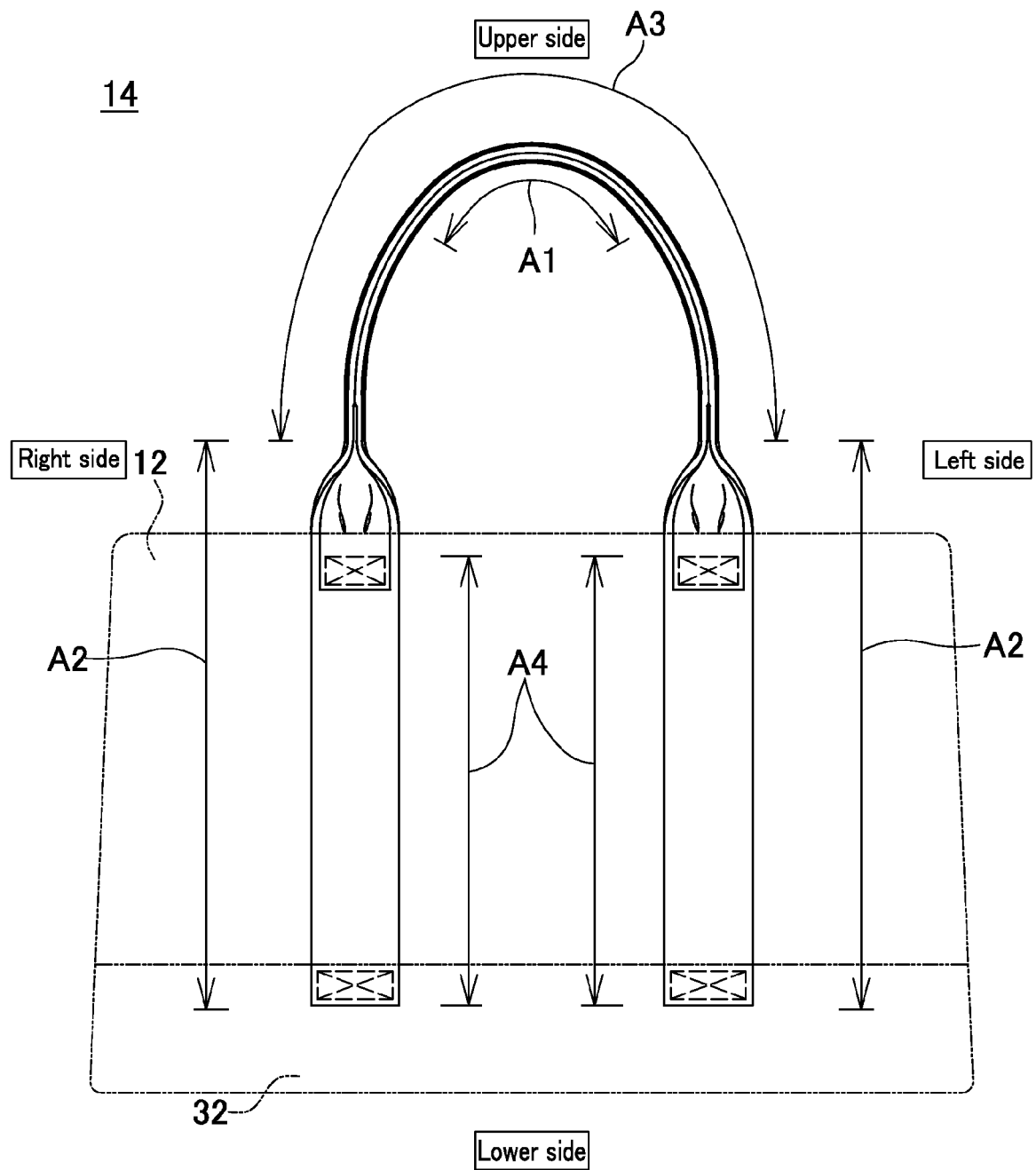


【FIG. 24】

10



【FIG. 25】



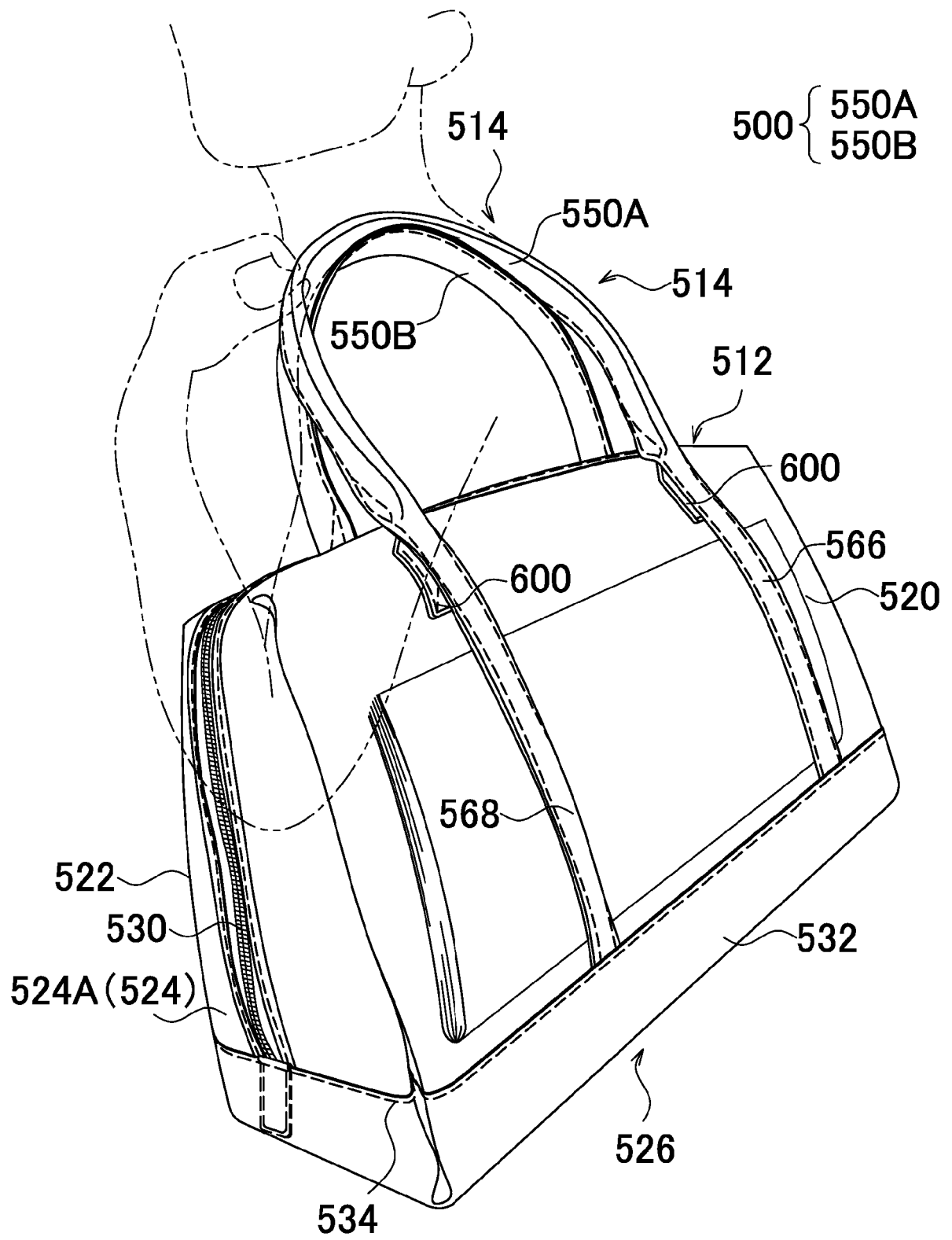
A1: Hand-carrying region

A2: Non-sewing region

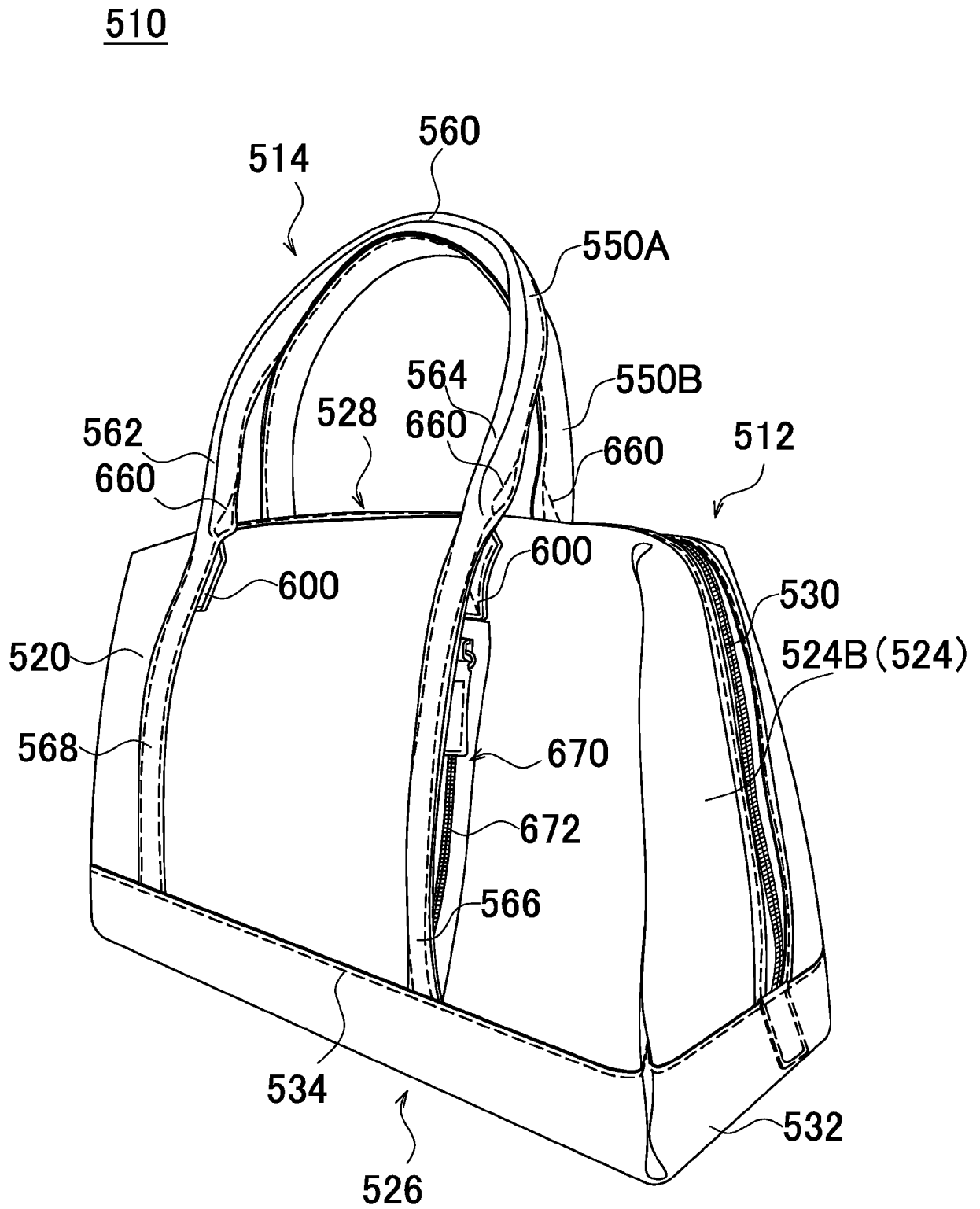
A3: Joining region

A4: Non-joining region

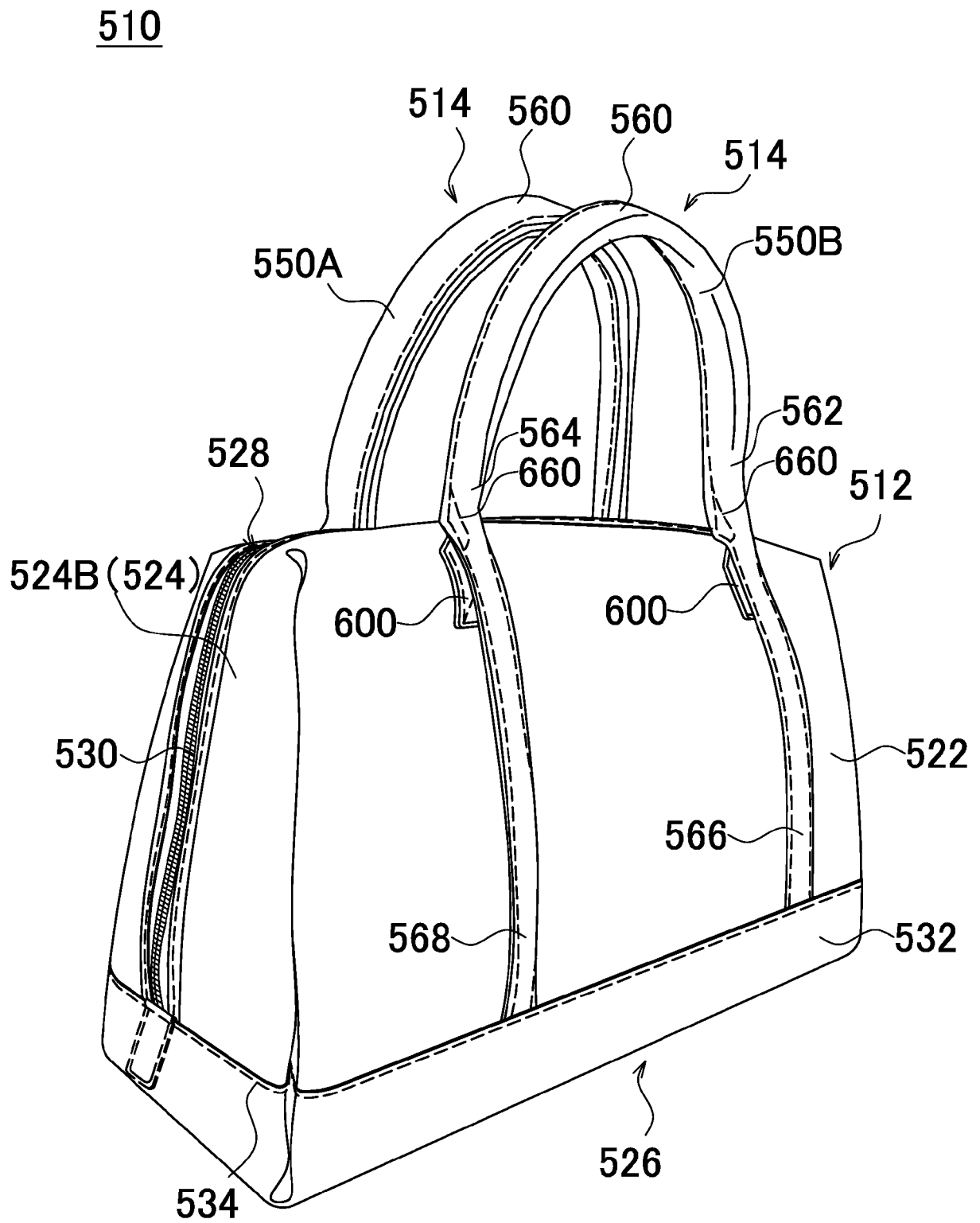
【FIG. 26】



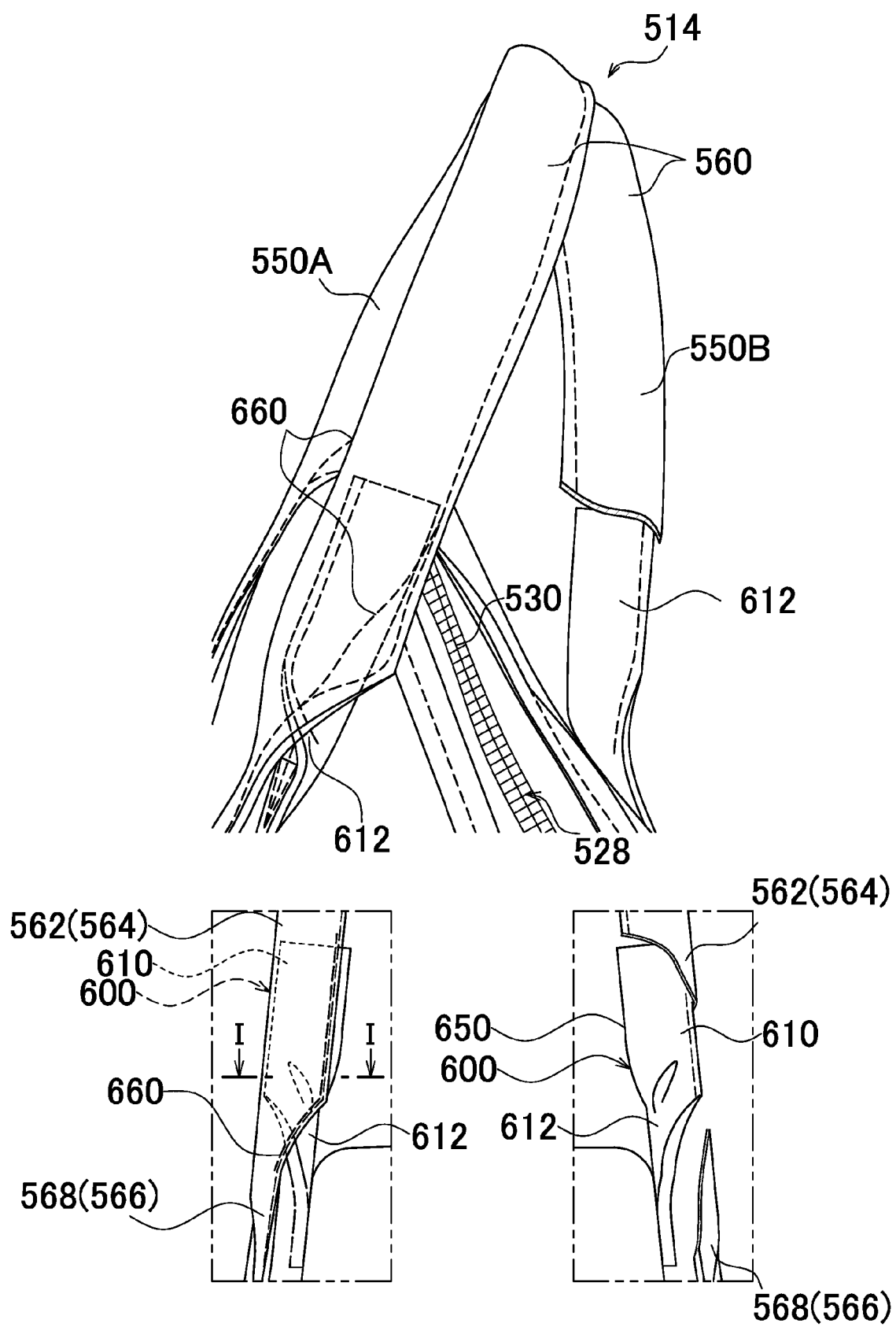
【FIG. 27】



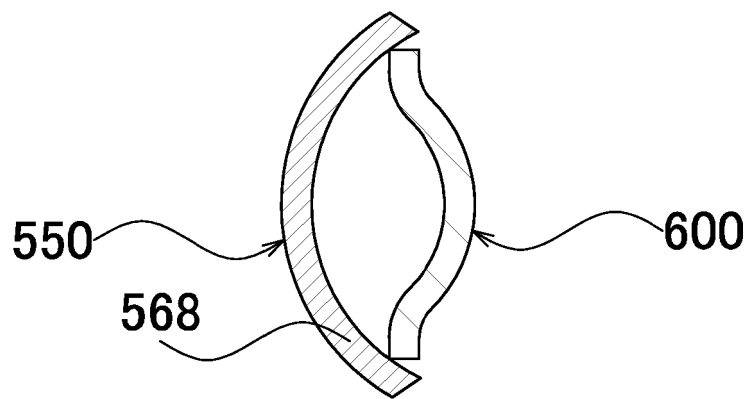
【FIG. 28】



【FIG. 29】

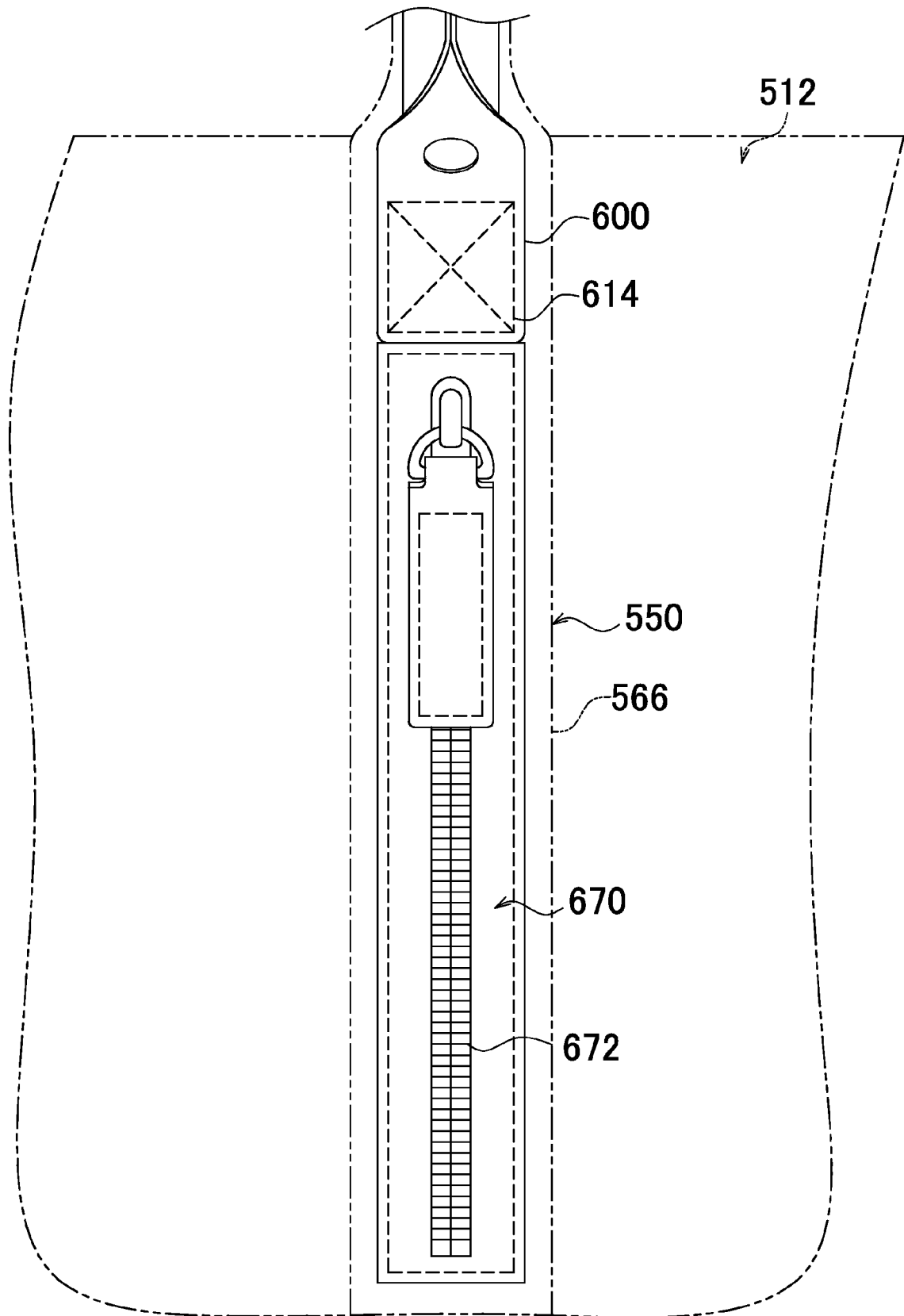


【FIG. 30】

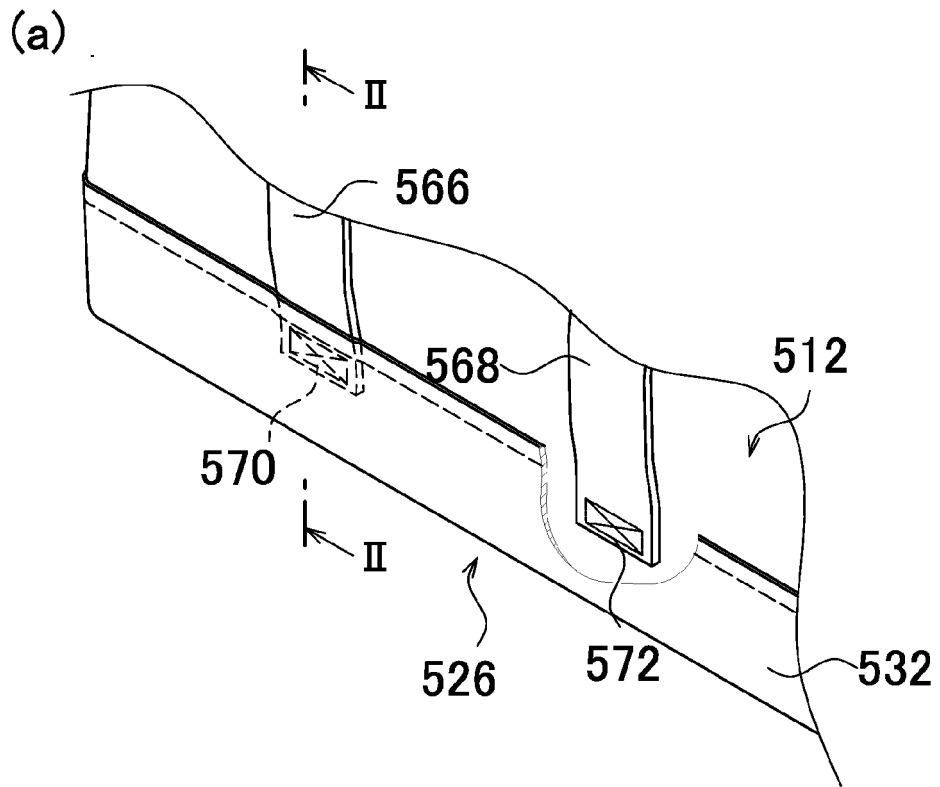


End face view along I-I

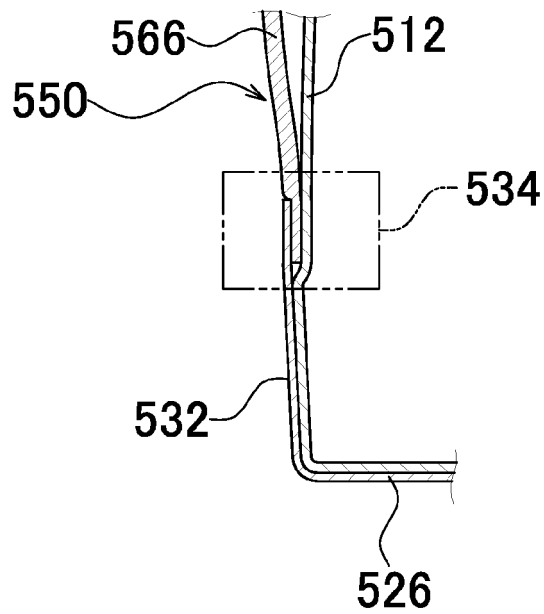
【FIG. 31】



【FIG. 32】

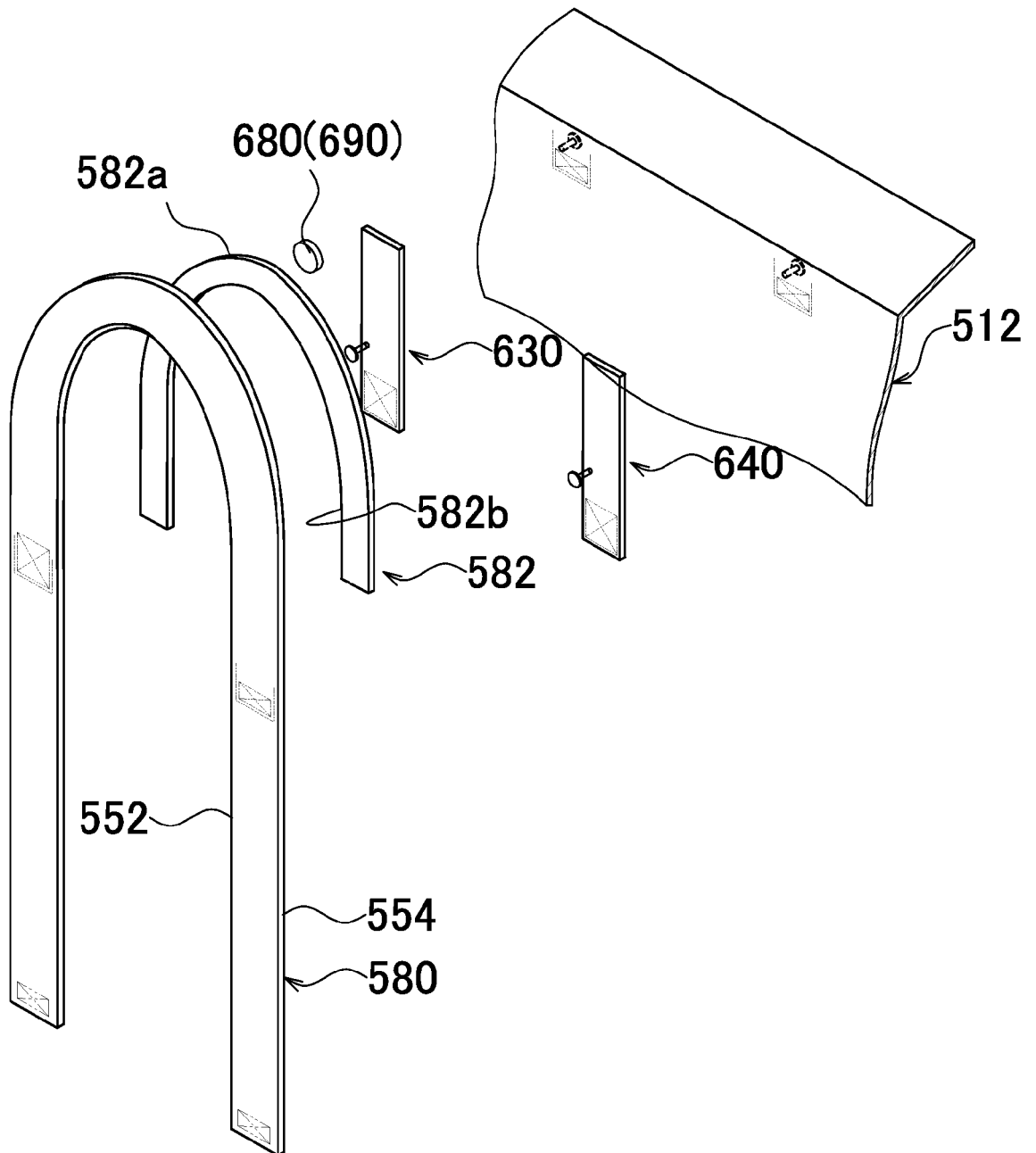


(b)

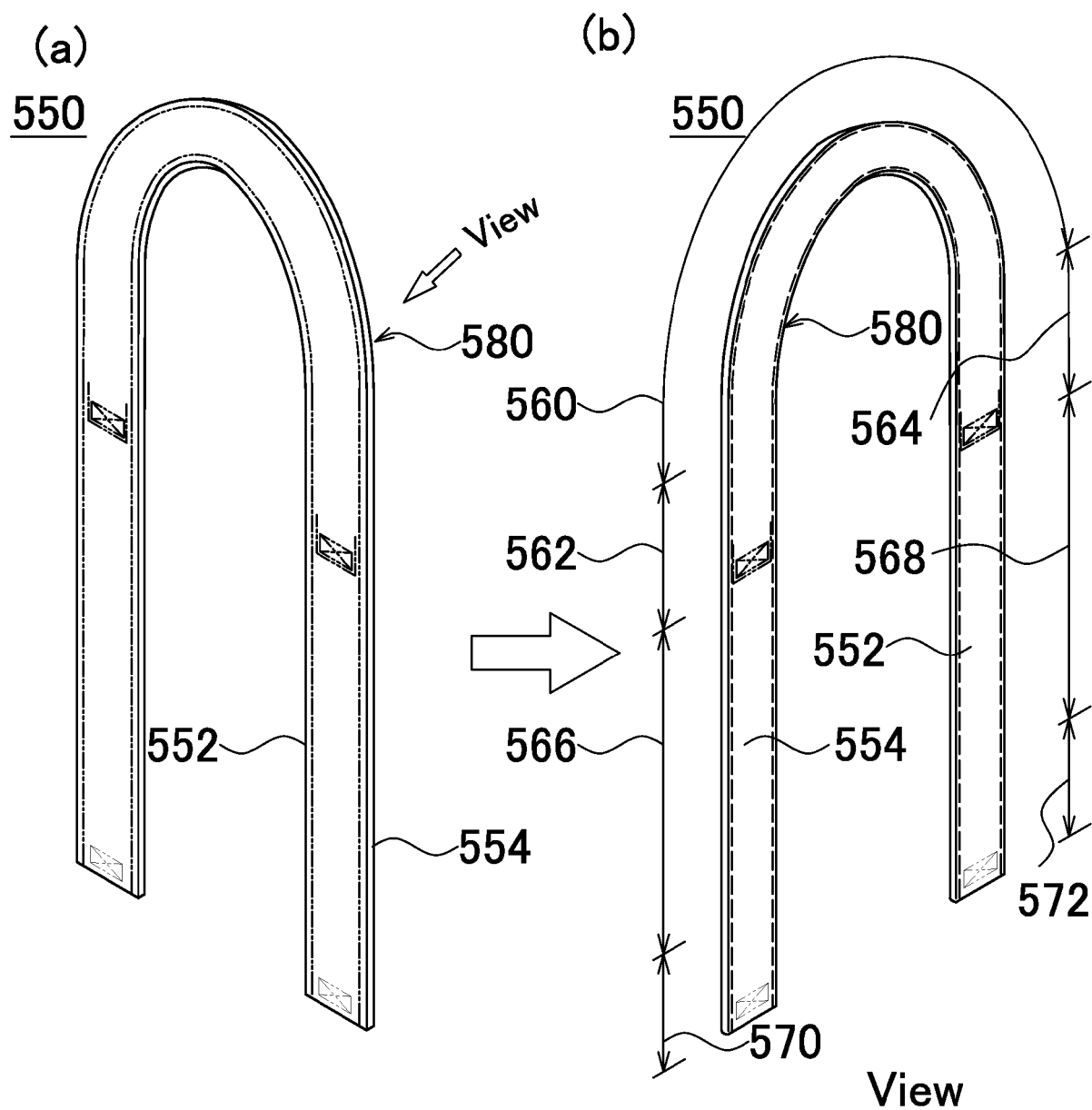


End face view along II - II

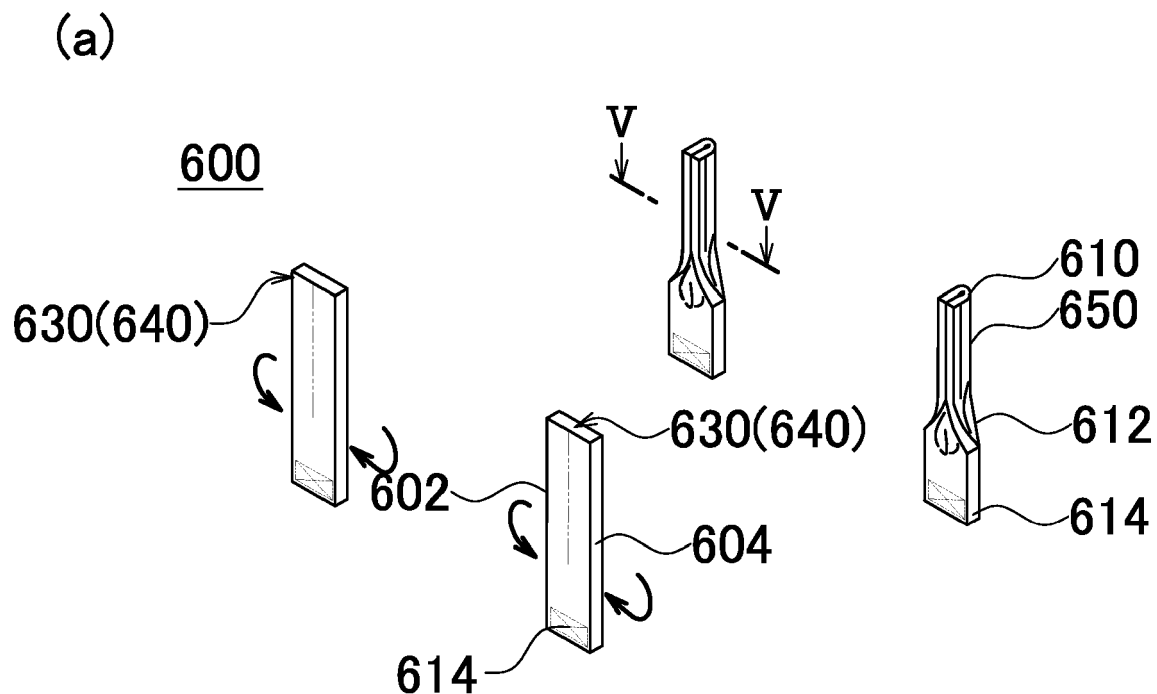
【FIG. 33】



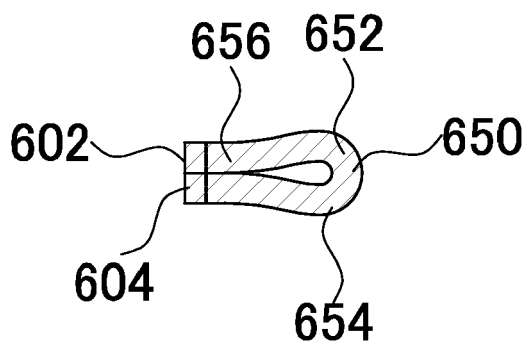
【FIG. 34】



【FIG. 35】



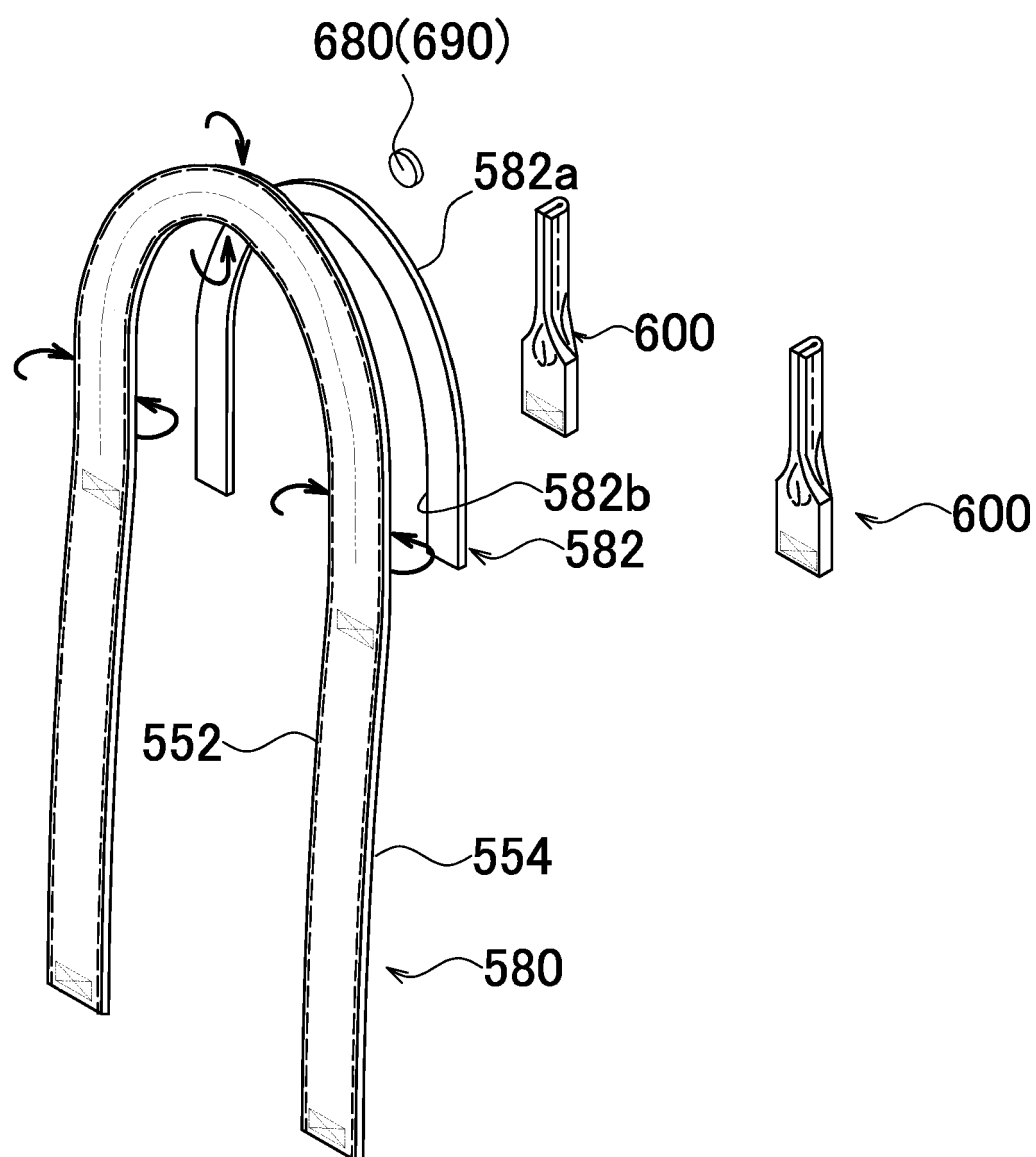
(b)



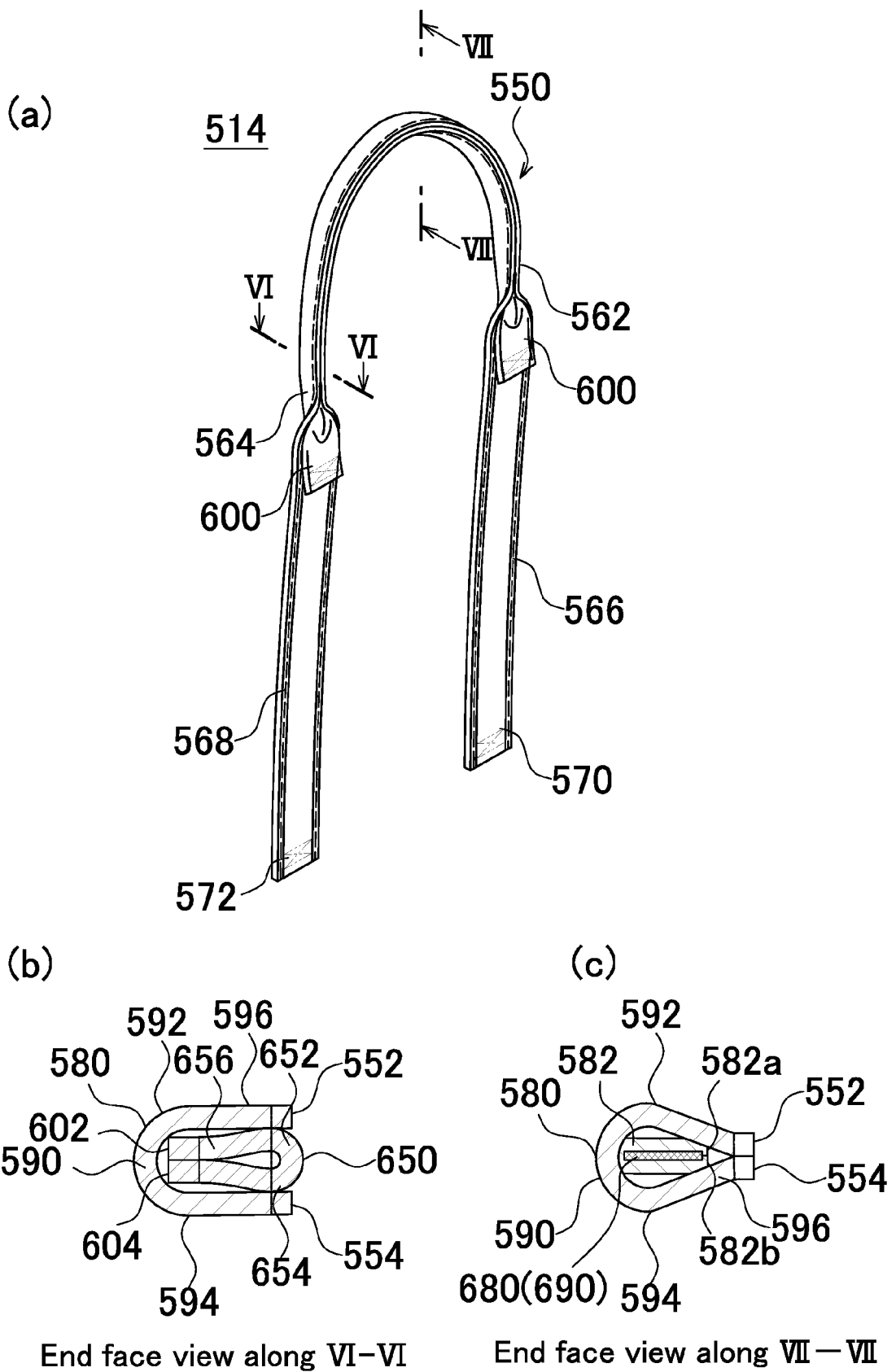
End face view along V - V

【FIG. 36】

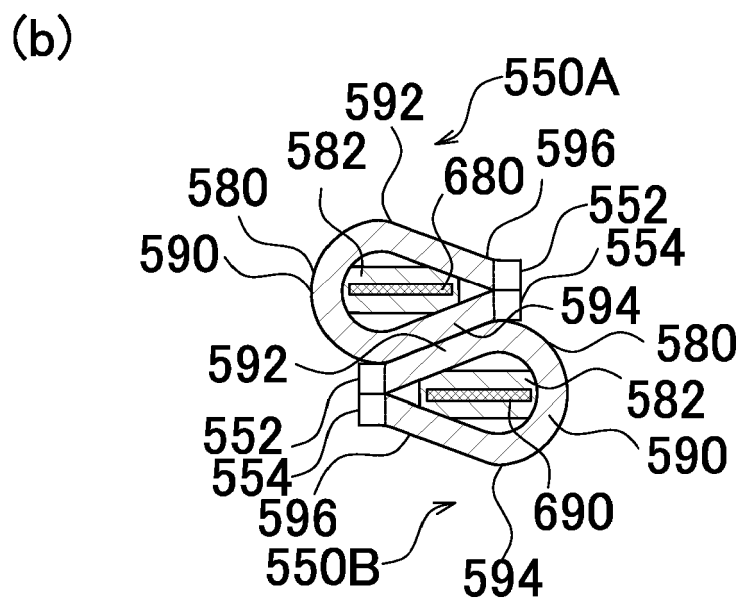
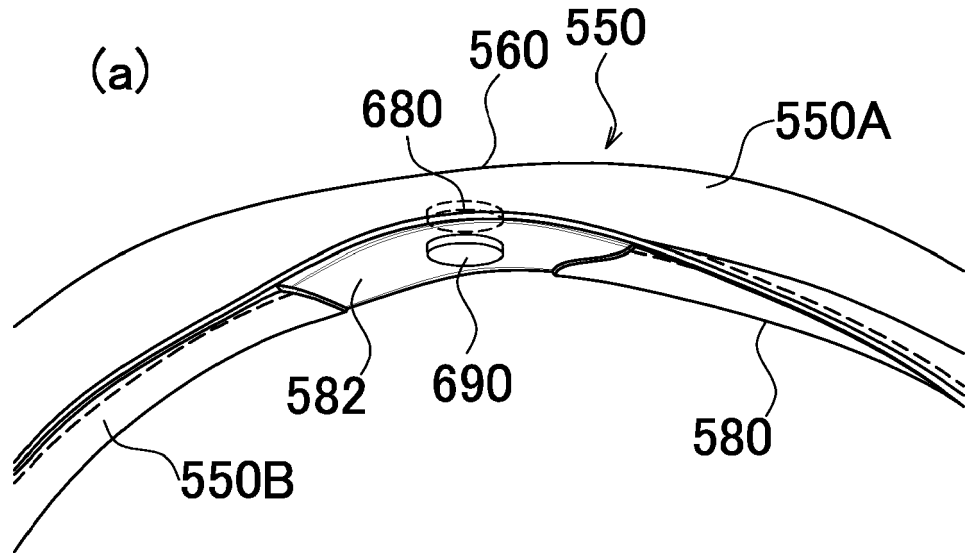
514



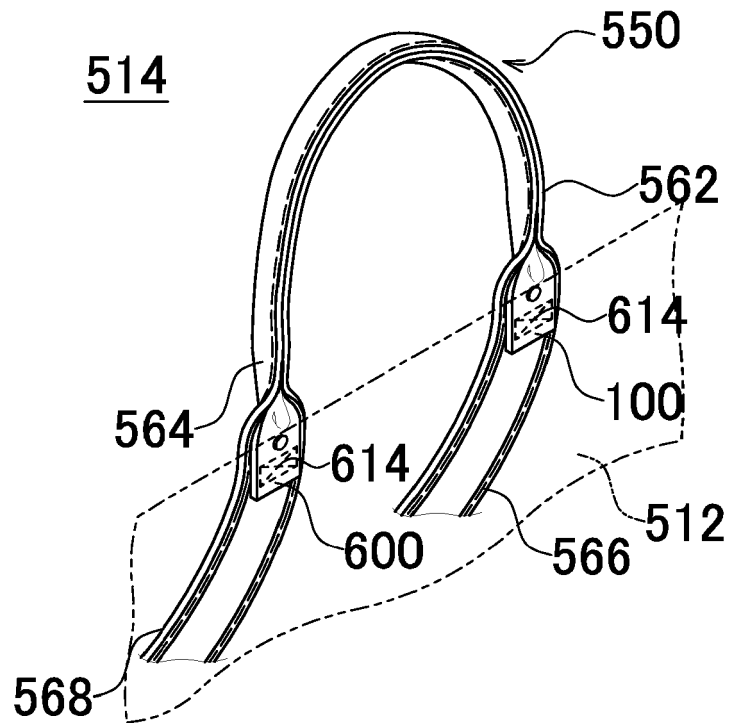
【FIG. 37】



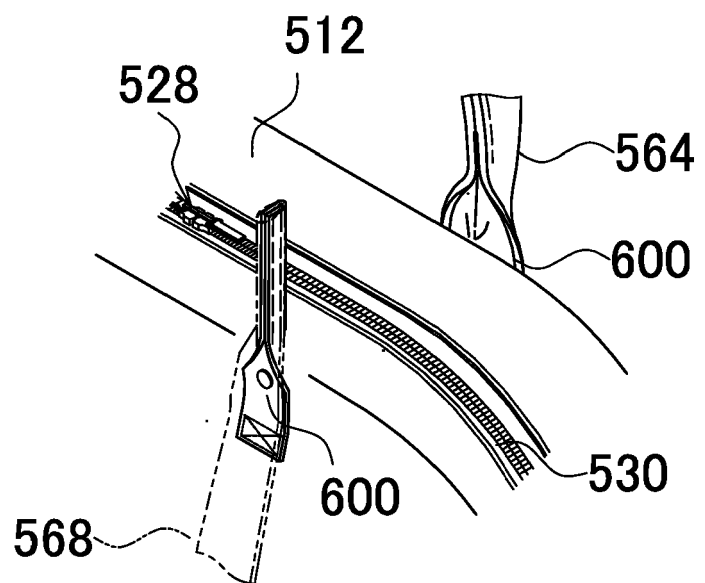
【FIG. 38】



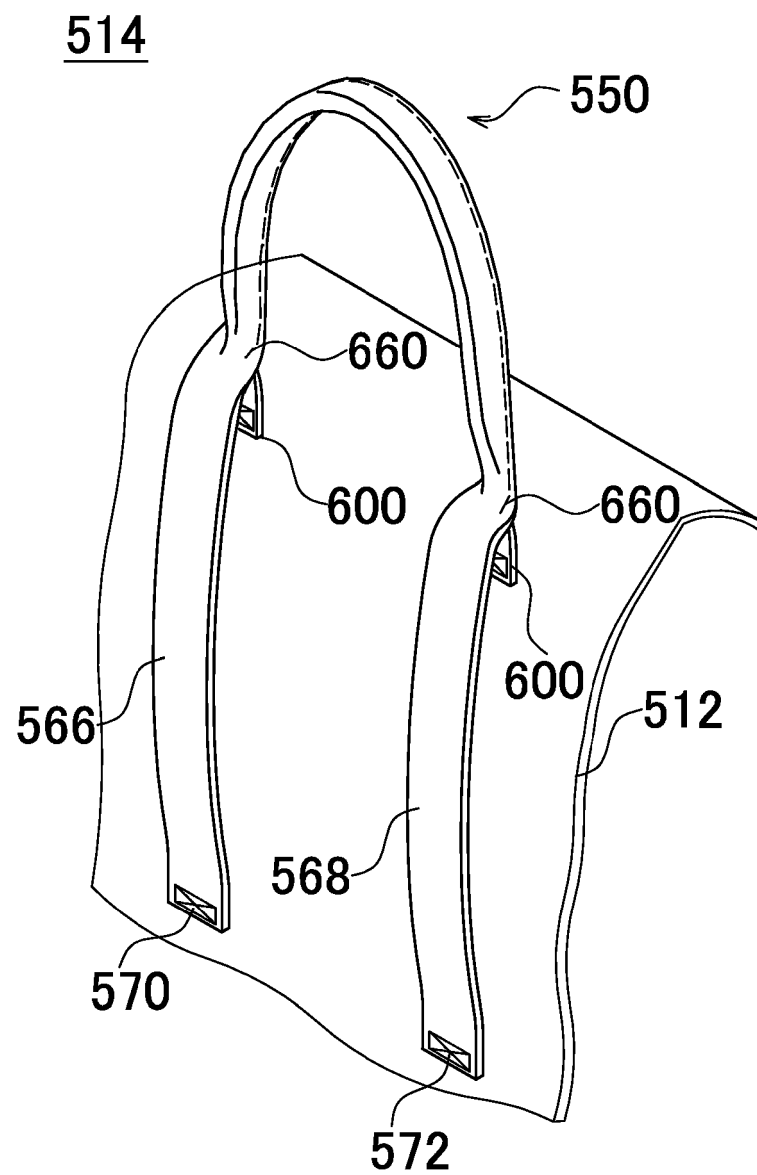
【FIG. 39】



【FIG. 40】

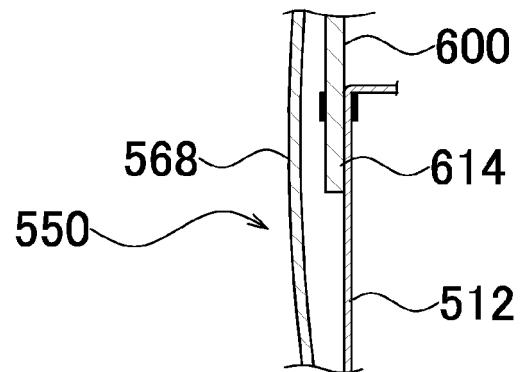


【FIG. 41】

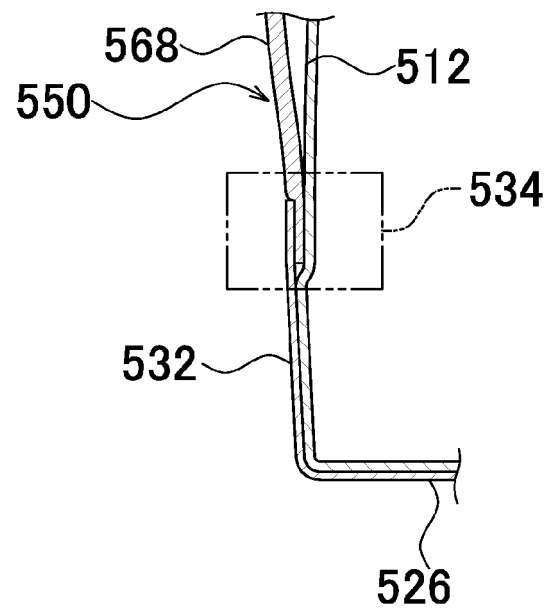


【FIG. 42】

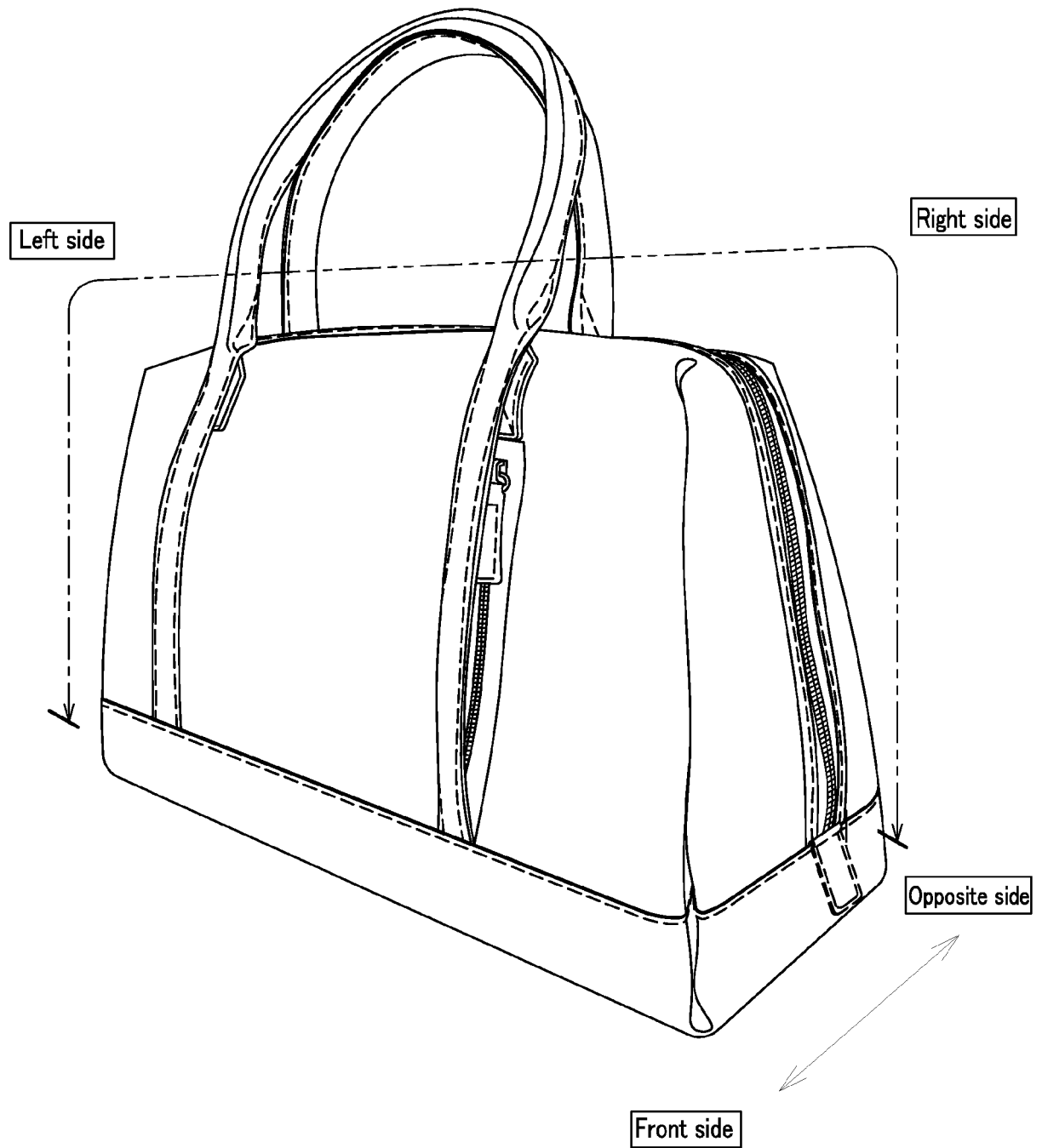
(a)



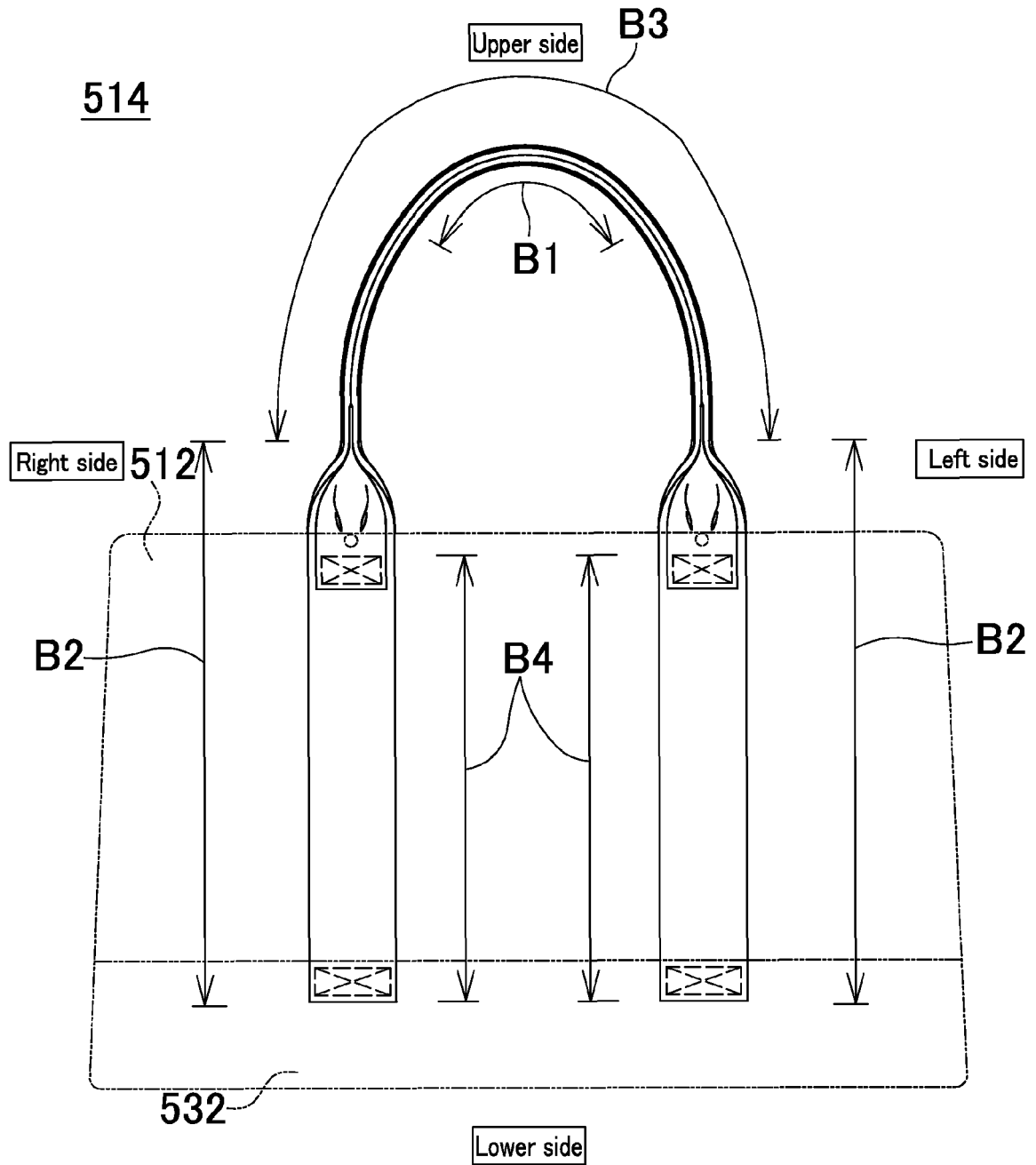
(b)



【FIG. 43】



【FIG. 44】



B1 : Shouldering region
 B2 : Non-sewing region
 B3 : Joining region
 B4 : Non-joining region

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

- JP 4430734 B [0002] [0003] [0004]