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(54) **CREMATION URN AND METHOD FOR MANUFACTURING SUCH A CREMATION URN**

(57) The cremation urn of the invention comprises an outer bag (1), a handle (9) for the outer bag (1), and an inner bag (4) for ash with closing means. The method of the invention for manufacturing the cremation urn of the invention comprises the steps of providing at least one material sheet, cutting a first preform for the inner bag (4) from said at least one material sheet, forming the inner bag (4) by folding the sheet with the opposite edges of the first preform against each other and fastening the sides to each other, providing the inner bag (4) with closing means, before and/or after the foregoing step, cutting a second preform for the outer bag (1) from said at least one material sheet, forming the outer bag (1) by folding it with the opposite edges of the second preform against each other and connecting the sides to each other, placing the inner bag (4) inside the outer bag (1), attaching a handle (9) to the outer bag (1), and threading a second band (6) through holes along the periphery of the outer bag (1) and through at least one hole (11) at the side of the outer bag (1).

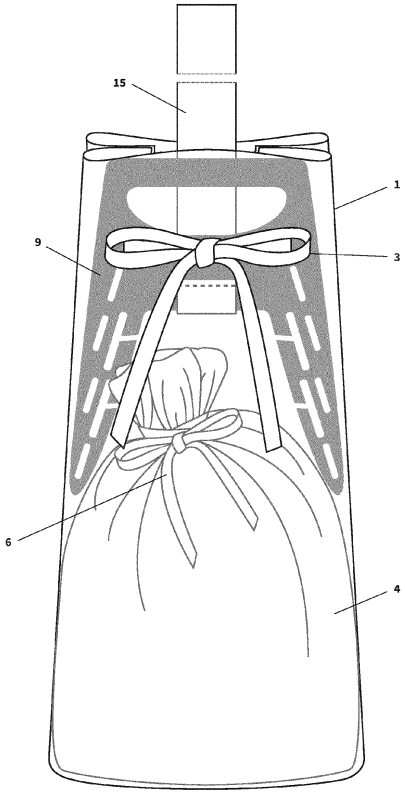

FIG.28

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Description

TECHNICAL FIELD

[0001] The invention is concerned with a cremation urn and a method for manufacturing and assembling such a cremation urn.

BACKGROUND

[0002] After death, corpses are cremated, and the ashes are collected and put in an urn, which is called a cremation urn or funerary urn.

[0003] In the modern funeral industry, cremation urns of varying quality are offered. Human cremation urns come in a wide range of styles made from different materials including marble, wooden, alabaster, solid brass, cloisonne, ceramic, as well as biodegradable urns. In cultures, wherein the urns are left above the ground or stored inside on a mantelpiece, the urns are mostly ceramic.

[0004] Biodegradable urns are made from eco-friendly materials such as recycled or handmade paper, salt, cellulose or other natural products that are capable of decomposing back into natural elements.

[0005] The most common cremation urns buried in the ground are made of wood. Such urns are not very eco-friendly since adhesives are used in the wood material and the urns are sealed with metallic screws.

[0006] Cremation urns made of the above-mentioned materials are quite heavy to carry and their content of even 4.5 litres of ash further increases their weight. They usually are difficult to grab because of their usually broad or round form. The urns seldom comprise any carrying means but when that is the case, the means consists of a cord which either is knotted around the urn or fastened to it through holes drilled in the urn. It is unpractical and difficult to carry urns with such a thin cord.

[0007] The cremation urns of prior art might also be decorated with traditional imagery, e.g. with images of birds, crucifixes or other symbols, with not so much alternatives for the consumer.

[0008] The primary object of this invention is an improved cremation urn without the above-mentioned disadvantages of prior art.

SUMMARY

[0009] The cremation urn of the invention comprises an outer bag, a handle for the outer bag, and an inner bag for ash with closing means.

[0010] The method of the invention for manufacturing the cremation urn of the invention comprises the steps of providing at least one material sheet, cutting a first preform for the inner bag from said at least one material sheet, forming the inner bag by folding the sheet with the opposite edges of the first preform against each other and fastening the sides to each other, providing the inner bag with closing means, before and/or after the foregoing step, cutting a second preform for the outer bag from said at least one material sheet, forming the outer bag by folding it with the opposite edges of the second preform against each other and connecting the sides to each other, placing the inner bag inside the outer bag, attaching a handle to the outer bag, and threading a second band through holes along the periphery of the outer bag and through at least one hole at the side of the outer bag.

[0011] The preferable embodiments of the invention have the characteristics of the subclaims.

[0012] Naturally, the order of the steps of the method claims can vary and the intention of the method claim is to cover any possible order.

[0013] In one embodiment of the invention, a first band is threaded through holes in the upper part of the inner bag, the first band, and the holes constituting said closing means.

[0014] The outer bag has holes along its periphery, preferably at its upper edge, for threading a second band therethrough for closing the outer bag by strapping. The sides of the handle have holes for the second band, whereby the handle is attached to the outer bag by means of the second band going through the holes.

[0015] The upper part of the outer bag can have slits on two of its opposite sides for fitting the carrying handle.

[0016] The handle is a sheet-like piece, which bridges two opposite places at the sides of the outer bag. Further, the handle has an opening for fingers, whereby its upper end can be grabbed in a comfortable way.

[0017] A third band can be fastened to the handle for lowering the cremation urn to a grave.

[0018] The cremation urn of any of claims further comprises detachable decoration parts attached to the handle, the decoration parts having the form of angle wings, flowers, and/or cross symbols. These decoration parts are threaded through the handle through still more holes or notches in the handle.

[0019] The method further comprises perforating holes at the opposite ends of the first preform and threading a first band through the holes for forming the closing means for the inner bag, and correspondingly, perforating holes at the opposite ends of the second preform, and threading a second band through the holes for forming closing means for the outer bag. Still further, the method comprises cutting a cross-formed third preform for a cup for the inner bag from said at least one material sheet, and after folding joining the sides of the cross arms together by stitches.

[0020] The outer bag may be manufactured by die-cutting and sewing. Die cutting is used to cut a piece of fiber material. The piece is then folded double so that the ends face each other. The sides of the folded material piece are then connected by sewing, preferably only to a part of the distance, from the bottom and (partly) upwards for achieving an outer bag preferably with slits at opposite sides of its upper part.

[0021] The function of the outer bag is to protect and support the inner bag with the ash, and therefore, the

inner bag is placed inside the outer bag. In one embodiment, the bottom or the sides of the inner bag can be fastened to the inner side of the outer bag by means of e.g. fastening latches to be attached by e.g. sewing. In some embodiments fastening means can be attached directly to the outer sides or outer bottom of the inner bag and/or to the inner sides or inner bottom of the outer bag.

[0022] Preferably, the material of the outer bag is more rigid than that of the inner bag. It should preferably be up to 100% made of decomposable felt or other corresponding fiber material and having stitches of e.g. ecologic sewing thread. A fiber material is also advantageous in that the holes perforated therein do not result in fraying or unraveling the material.

[0023] Also, the outer bag protects the inner bag in the stage of filling the inner bag with ash.

[0024] The closing means of the inner bag preferably consists of a first band to be threaded through holes perforated at certain intervals along the periphery of the inner bag close to the upper edge.

[0025] Before filling the inner bag with ash, the edge of the inner bag is preferably folded to go over the edge of the outer bag when placed in the outer bag, so the size of the inner bag should for this purpose be long enough. The edge of the inner bag can for this purpose be folded outwards and over the edge of the outer bag. When the inner bag has been filled with ash, the edge is taken up and the mouth of the inner bag is closed, and the closing is finalized by tightening the first band.

[0026] In practice, when the inner bag has to be closed, for example when ash has been inserted therein, a careful closing of the inner bag is important to avoid spreading the ash. For this purpose, a latch or cup of preferable the same material as the inner bag itself can be placed to cross over the mouth of the inner bag. The inner bag is, however, designed to keep the ash therein even without such a security latch or cap.

[0027] Also, the outer bag can have a latch or linen placed on its top, primarily for performing a blessing ritual.

[0028] The function of the inner bag is to maintain and store the ash. It preferably has a straight form with a broad bottom. The material of the inner bag is preferably ecological and up to 100% made of decomposable linen, flax, wool, felt, cotton or other corresponding, preferably certified, fiber material. As an alternative, it can e.g. be made of a material produced from renewable biomass sources, such as bioplastics, vegetable fats and oils, corn starch, straw, woodchips, sawdust, recycled food waste, etc. new wood fibers that can be turned into textiles are mentioned as further alternatives.

[0029] The cremation urn of the invention may further comprise a lowering means optionally with a handle and consisting of a cord or string or band (called here the third band for clarity), which is fastened to the carrying handle with which cord or the like the urn is laid down or lowered to the grave. For this purpose, there can be a hole in the outer bag or in the handle for the lowering cord or the like, which before use is for its major part can be inside the outer bag with one of its ends visible at the outside. There are e.g. a stop means at free end of the lowering cord to prevent the carrying cord to slide completely inside the outer bag. The other end of the lowering cord being fastened to the carrying handle to prevent it from detaching from the outer bag when being carried. The stop means can work as a decoration.

[0030] The carrying handle is a sheet-like piece of wood or cardboard with an opening for the fingers of a hand so that its upper part can be grabbed in a comfortable way.

[0031] The carrying handle further has holes for the lowering means, such as a carrying or lowering cord, and also for a second band. The outer bag has holes along its periphery at its upper edge for attaching the carrying handle and the second band. The holes of the outer bag are with suitable intervals for the second band to be thread through them in order to tighten or strap in the outer bag by thus closing it or in other words, to tie the outer bag by means of the second band.

[0032] The second band is thread through holes at both sides of the handle. The handle is secured to one part of the outer bag with knots, which facilitates the opening of the filling mouth and to retain the second band in place so that it does not slip away from the holes.

[0033] In addition to its function to work as a handle, the carrying handle can be a fastening means for the lowering means, being a cord, string or a third band. It furthermore supports the outer bag making the urn robust and steady.

[0034] Still further, detachable decoration parts can be attached to the carrying handle. The decoration parts may have the form of flowers, crosses, or angel wings or whatever forms are desired partly threaded through the carrying handle.

[0035] The cremation urn of the invention has several advantages compared to those of prior art.

[0036] First, it can up to 100% be made of decomposable and ecological materials. The whole urn is soft and comfortable to carry as well as to lift up and lower down and also the cord or the like with which the urn is and laid down or may be carried can be made of comfortable material and be broad enough not to strain the hands.

[0037] All the preforms, i.e. for the inner bag, for the outer bag and also for the closing latches and for all the bands can be made of the same material and even be cut from the same material sheet. A special tool can be signed and used for the cutting.

[0038] The fiber material can furthermore be coloured and different images can be printed and/or painted on it. The seams and joints of the inner and outer bags can be made of decomposable material.

[0039] The urn of the invention also enables the creation of varying esthetic appearances, since it can be decorated with desired symbols and images. Different kind of additional decoration in the form of flowers, bands, fabric bows, or other personal items, can be fastened to the carrying handle by means of e.g. slots, cuttings, slits

or the like made in the fiber material. The fastening can take place by e.g. inserting or tying.

[0040] In the following, the invention is described by means of an example embodiment by referring to figures. The invention is not restricted to the details of this embodiment.

FIGURES

[0041] The figures demonstrate the steps of manufacturing and assembling of the cremation urn of the invention by means of the method of the invention.

Figure 1 illustrates a preform for manufacturing the outer bag of the cremation urn of the invention

Figure 2 illustrates a preform for manufacturing the inner bag of the cremation urn of the invention

Figure 3 illustrates a step of the manufacturing of the cremation urn of the invention, wherein the preform of figure 1 for an outer bag has been folded and the sides joined by stiches

Figure 4 illustrates a step following that of figure 3, wherein a further folding has been made and the bottom stiches have been sewed

Figure 5 illustrates a step of the manufacturing of the cremation urn of the invention, wherein the preform of figure 2 for an inner bag has been folded and the sides joined by stiches

Figure 6 illustrates a step following that of figure 5, wherein a further folding has been made the bottom stiches have been sewed

Figure 7 illustrates the outer bag of figure 4 seen from the side

Figure 8a illustrates the outer bag of figure 7 as seen from the back side

Figure 8b illustrates the outer bag of figure 7 as seen from the front side with a closure band in place

Figure 9 illustrates the outer bag of figure 7 as seen from the front or back side with a blessing linen on it.

Figure 10 illustrates the inner bag of figure 6 seen from the side with a closure band on place

Figure 11 illustrates the inner bag of figure 10 seen from the outside with a closure band tightened

Figure 12 illustrates an opened outer bag of figures 8a and 8b having the inner bag therein with its upper edge folded outwards

Figure 13 illustrates the opened outer bag of figure 12 having the inner bag of figure 11 placed therein in an upright position

Figure 14 illustrates the opened outer bag of figure 12 having the inner bag of figure 11 being pressed completely therein

Figure 15 illustrates the carrying handle of the cremation urn of the invention

Figure 16 illustrates a lowering cord for the cremation urn of the invention

Figure 17 illustrates a way of connecting an end of the lowering cord of figure 16 to the carrying handle of figure 15

Figure 18 illustrates a way of securing the end of the lowering cord of figure 16 to the carrying handle when having been connected thereto as illustrated in figure 17

Figure 19 illustrates the end of the lowering cord in a state being joined to the carrying handle as shown in figure 18 but without the carrying handle of illustrative purposes

Figure 20 illustrates the cremation urn of the invention seen as a cross-section with carrying handle and the lowering cord in place

Figure 21a illustrates angle wing decorations to be fastened to the carrying handle

Figure 21b illustrates the angle wing decorations of figure 21a when fastened to the carrying handle

Figure 21c illustrates the cremation urn of the invention seen from outside when the angle wing decorations of figure 21a are fastened to the carrying handle in a way shown in figure 21b

Figure 22a illustrates the flower decorations fastened to the carrying handle

Figure 22b illustrates the cremation urn of the invention seen from outside when the flower decorations are fastened to the carrying handle in a way shown in figure 22a

Figure 23a illustrates a cross decoration to be fastened to the cremation urn of the invention

Figure 23b illustrates the cremation urn of the invention seem from the outside having slots for fastening the cross of figure 23a

Figure 23c illustrates in cross-section the cremation urn of the invention having the cross of figure 23a fastened thereto

Figure 23d illustrates seen from outside the cremation urn of the invention having the cross of figure 23a fastened thereto

Figure 24 illustrates the assembling of the cremation urn of the invention

Figure 25 illustrates a preform for manufacturing a cap for cremation urn of the invention

Figure 26 illustrates a step of the manufacturing of the cap for the cremation urn of the invention, wherein the preform of figure 25 for an outer bag has been folded and the sides joined by stiches

Figure 27 illustrates an embodiment of the cremation urn of the invention seen from outside having the closing band and cap in place

Figure 28 illustrates an embodiment of the cremation urn of the invention when it is ready to be placed in a grave

DETAILED DESCRIPTION

[0042] **Figure 1** illustrates a preform 1 for manufacturing the outer bag 1 of the cremation urn of the invention. A material sheet of up to 100% decomposable and ecological materials, such as fiber material, is provided. Die cutting is used to cut a piece of fiber material, e.g. felt, into an e.g. rectangular piece of a material sheet to make an outer bag preform 1, with holes 2 are perforated at both opposite ends with certain intervals for a suitable tightening of the outer bag. The die cutting can be performed with a tool, with which the cutting into a (rectangular) material sheet and the perforation of the holes 2 can be made at the same time. There is made a narrow portion in the middle of the outer bag preform 1. A second closure band 3 for later closing of the outer bag 1, after the inner bag 4 has been placed therein, can be cut in a similar way from the same material sheet. Any band can, however, be used, but preferable one made of 100% decomposable and ecological material.

[0043] Furthermore, the outer bag preform 1 preferably and optionally has cut-offs 7 in all four corners, wherein material has been cut away. The cut-offs 7 are done in order to make the carrying more comfortable, since the cut-offs 7 give more space for the hand an facilitate grabbing and carrying. These cut-offs 7 as well as the cutting to make a narrow portion are also made with the same above-mentioned tool at the same time as said material cutting into a sheet and the perforation of the holes 2.

[0044] There is also an opening cut in the form of a slit or slot 12 for the lowering cord 15 described in figures 16 - 20.

[0045] The dimensions generally in all figures are not relevant for the inventive idea but can be considered in view of what is practical for the different functions. Dimensions include e.g. the sides of the rectangular portions of the preform, the narrow portion, the holes, the distance between the holes, the length of the bands, the cut-offs etc.

[0046] **Figure 2** illustrates in a corresponding way a preform 4 for manufacturing the inner bag 4 of the cremation urn of the invention. Also, for the inner bag 4, a material sheet of up to 100% decomposable and ecological materials, such as fiber material, is provided. Preferably, the material of the inner bag 4, however, is thinner than that of the outer bag 1 so that it would be easier to handle and be pressed inside the outer bag 1. The material of the outer bag, in turn, is more rigid than that of the inner bag 4 since it has to work as a support for the inner bag and protect it from the environment during carrying and transport.

[0047] Before filling the inner bag 4 with ash, the edge of the inner bag 4 is preferably folded to go over the edge of the outer bag 1 when placed in the outer bag 1, so the size of the inner bag should for this purpose be long enough, see also figures 12 - 14.

[0048] Like for the outer bag preform 1, cutting, such as die cutting, is used to cut a piece of the material sheet into a preferably rectangular piece to make an inner bag preform 4, in which holes 5 are perforated at both opposite ends with certain intervals for a suitable tightening of the outer bag. In practice, the space between the holes 5 of the inner bag preform 4 can be smaller than the space of the holes 2 in the outer bag preform 1, since the material of the inner bag preform 4 is softer than that of the outer bag preform 1 and since a tight closure of the inner bag is more important than that of the outer bag to prevent ash from running out. The function of the outer bag 1, in turn, is to keep the inner bag 4 securely therein.

[0049] A first closure band 6 for later closing of the inner bag 4, when the ash has been placed therein, can be cut in a similar way from the same material sheet. Any band can, however, be used, but preferable one made of 100% decomposable and ecological material. Again, for enabling a tighter closure than is necessary in connection with the outer bag 1, the first closure band 6 for the inner bag can be thinner than the second closure band 3 for the outer bag 1. The second band 3 for the outer bag 1 can also be chosen to work as a decoration.

[0050] There is a narrow portion also in the middle of the inner bag preform 4.

[0051] Because of the narrow portion in both preforms 1, 4, each preform has an anterior rectangular portion and a rectangular posterior portion with the narrow portion therebetween. Naturally, the anterior portion is posterior if you look at the figure from the opposite side but here, they are called as seen in the presented form.

[0052] Also, for the sake of clarification the same reference number 1 is used for both the outer bag preform

and the outer bag itself and the stages therebetween and the same reference number 4 is used for both the inner bag preform and the inner bag itself and the stages therebetween.

[0053] The anterior rectangular part of both preforms 1, 4 has opposite sides A, a side C interrupted by the narrow portion, and two corners G between both sides A and C.

[0054] Correspondingly, the posterior rectangular part has opposite sides B, a side D interrupted by the narrow portion, and two corners F between both sides B and D.

[0055] The dotted line E - E is in the middle of the narrow portion, and both letters E are at the edges of the narrow portion on both free sides.

[0056] The free sides of the narrow part are constituted by H and I, H being on the posterior side of line E-E and I being at the anterior side of line E- E.

[0057] The outer bag preform 1, and the second closure band 3 therefor, the inner bag preform 4, and the first closure band 6 therefor, can all be of mutually different colors and material withing the spirit of the invention.

[0058] In **figure 3** the preform of figure 1 for the outer bag 1 has been folded from the middle line E-E with so that corners F and G meets each other to form a corner FG and sides A and B are on both sides joined by stiches, line E-E now being now at the bottom side in this stage. Also, the material of the stiches is preferably of decomposable and ecological material.

[0059] **Figure 4** illustrates a step following that of figure 3 seen from the side, wherein a further folding has been made so that the corners of each end of line E - E is joined to a respective corner FG and sides D and sides C are joined by stiches to the side of the narrow part being perpendicular to line E- E. Thus, sides D being joined to sides H and sides C to sides I.

[0060] Corresponding steps as presented in figures 3 and 4 are carried out for the inner bag 4 preform of figure 2, which is illustrated in figures 5 and 6.

[0061] Thus, in **figure 5** the preform of figure 2 for the inner bag has been folded from the middle line E-E with so that corners F and G meets each other to form a corner FG and sides A and B on both sides joined by stiches, line E-E now constituting a bottom side in this stage. Also, the material of the stiches is preferably of decomposable and ecological material.

[0062] **Figure 6** illustrates a step following that of figure 5 seen from the side, wherein a further folding has been made so that corners each end of line E - E is joined to an own corner FG and sides D and C are joined by stiches to the side of the narrow part being perpendicular to line E- E. Thus, sides D being joined to sides H and sides C to sides I.

[0063] **Figure 7** illustrates the outer bag 1 seen from the side.

[0064] **Figure 8a** illustrates the outer bag of figure 7 as seen from the back or front side without the second closure band 3.

[0065] **Figure 8b** illustrates the outer bag of figures 7 and 8a seen from the front side with the second closure band 3 in place. In practice, there is no functional "front" side or "back" side, but for the sake of clarification, the one wherein the knot of the second band 3 situates is called the front side. Naturally, the knot could be at the back side as well.

[0066] **Figure 9** illustrates the outer bag of figure 7 as seen from the front or back side with a cloth, such as a blessing cloth 8, placed on it.

[0067] **Figure 10** illustrates the inner bag 4 of figure 6 seen from the side with its closure band 6 on place, i.e. the first band.

[0068] **Figure 11** illustrates the inner bag 4 of figure 10 seen from the outside with its closure band 6 tightened so that the inner bag 4 is closed.

[0069] **Figure 12** illustrates an opened outer bag 1 of figures 8a and 8b. Before filling the inner bag 4 with ash, the edge of the inner bag 4 is preferably folded to go over the edge of the outer bag 1 when placed in the outer bag 1, so the size of the inner bag 4 should for this purpose be long enough.

[0070] When the inner bag 4 has been filled with ash, the edge is taken up and the mouth of the inner bag 4 is closed, and the closing is finalized by tightening the first band 6. **Figure 13** illustrates the opened outer bag of figure 12 having the inner bag of figure 11 placed therein in an upright position and the first closure band 6 partly tightened.

[0071] **Figure 14** illustrates the opened outer bag 1 of figure 12 having the inner bag 4 of figure 11 being pressed completely therein and the first closure band 6 tightened with a bowknot.

[0072] **Figure 15** illustrates the carrying handle 9 of the cremation urn of the invention. The way of fastening it to the cremation urn will be described in connection with figure 24.

[0073] In the embodiment of figure 15, the handle 9 is a sheet-like piece of e.g. wood or cardboard with an opening 10 for fingers, whereby its upper end can be grabbed in a comfortable way.

[0074] The handle 9 also has a hole 11 on both sides for the second band 3 to be threaded therethrough, whereby the handle 9 is attached to the outer bag 1 by means of the second band 3 going through the holes 11 (see also figure 24).

[0075] The handle 9 also has a notch 13 or hole for a lowering cord 15 to be fastened to it (see figures 16 - 20).

[0076] Furthermore, the handle 9 has additional slots 14 or notches for fastening different types of decorations (see figure 21 - 22).

[0077] **Figure 16** illustrates a lowering cord 15 for the cremation urn of the invention. It should be as long as needed for a useful and comfortable lowering of the cremation urn to the grave. The cord 15 is fastened to the handle 9 and it is the third band used in the cremation urn and can be any cord, band, rope or string useful as lowering means for lowering the cremation urn in the grave.

[0078] **Figure 17** illustrates a way of connecting an end of the lowering cord 15 of figure 16 to the carrying handle 9 of figure 15. An end of the lowering cord 15 can be threaded through the notch 13 and secured by e.g. stiches (see figure 19) or simply by means of a knot.

[0079] **Figure 18** illustrates a way of securing the end of the lowering cord of figure 16 to the carrying handle 9 by means of stiches 16 when having been connected thereto as illustrated in figure 17

[0080] **Figure 19** illustrates the end of the lowering cord 15 in a state being joined to the carrying handle 9 as shown in figure 18 but without the carrying handle 9 of illustrative purposes.

[0081] **Figure 20** illustrates the cremation urn of the invention seen as a cross-section with the carrying handle 9 fastened to the outer bag 1. The carrying handle 9 with its opening for fingers is covered by the folds of the outer bag 1 in a way explained in connection with figure 24. The lowering cord 15 is thus in place threaded though both the notch 13 of the handle 9 and the slot 12 in the outer bag 1.

[0082] **Figure 21a** illustrates angle wing decorations 17 to be fastened to the carrying handle 9.

[0083] **Figure 21b** illustrates the angel wing decorations 17 of figure 21a when fastened to the slots 14 or notches of the carrying handle 9

[0084] **Figure 21c** illustrates the cremation urn of the invention seen from outside when the angel wing decorations 17 of figure 21a are fastened to the carrying handle 9 in a way shown in figure 21b. The carrying handle 9 can actually not be seen being covered by the folds of the outer bag 1. The closure band 3 of the outer bag 1 is in place with a bowknot.

[0085] **Figure 22a** illustrates flower decorations 18 fastened to the carrying handle 9.

[0086] **Figure 22b** illustrates the cremation urn of the invention seen from outside when the flower decorations 18 are fastened to the carrying handle in a way shown in figure 22a. The closure band 3 of the outer bag 1 is in place with a bowknot.

[0087] **Figure 23a** illustrates a religious cross symbol decoration 19 to be fastened to the cremation urn of the invention

[0088] **Figure 23b** illustrates the cremation urn of the invention seem from the outside having slots 20 for fastening the cross of figure 23a. A part of the second closure band 3 can be seen being threaded through the holes 2 of the outer bag 1. The (bow)knot of the band 3 being on the other side and cannot be seen in figures 23b - 23d.

[0089] **Figure 23c** illustrates in cross-section the cremation urn of the invention having the cross of figure 23a fastened thereto. The ends of the arms of the cross 19 are inserted into the slots 20.

[0090] **Figure 23d** illustrates seen from outside the cremation urn of the invention having the cross 19 of figure 23a fastened thereto.

[0091] **Figure 24** illustrates the assembling of the cremation urn of the invention. The outer bag 1 is of illustration purposes shown in two halves so that it could see how the carrying handle 9 is attached to the outer bag 1 in the middle of the outer bag 1.

[0092] The second closure band 3 is thread through the holes 2 of the outer bag 1 and also through the holes 11 at the sides of the carrying handle 9.

[0093] The carrying handle 9 is now a bridge between two opposite places at the sides of the outer bag 1 and as it has an opening 10 for the fingers in its upper part it works as a comfortable handle.

[0094] Optionally, the outer bag 1 can have slits or vents 7 (see also figure 1) for a better fit of the carrying handle 9.

[0095] The handle 9 is stable when the second band 3 has knots 3' close by the holes 11 of the handle 11 (on either side of the handle 9).

[0096] **Figure 25** illustrates a preform 21 for manufacturing a cap 21 or latch for the cremation urn of the invention. The preform 21 has holes 22 to coincide with the holes 2 of the outer bag 1. The preform 21 has sides A and B to be joined together.

[0097] **Figure 26** illustrates a step of the manufacturing of the cap for the cremation urn of the invention, wherein the preform of figure 25 for an outer bag has been double-folded and the sides A and B joined by stiches.

[0098] **Figure 27** illustrates an embodiment of the cremation urn of the invention seen from outside having the closing band 3 and cap 21 in place.

[0099] **Figure 28** illustrates an embodiment of the cremation urn of the invention in cross-section when it is ready to be placed in the grave.

[0100] The inner bag 4 is filled with ash and is placed inside the outer bag 1. The carrying handle 9 is fastened to the outer bag covered by the folds of the outer bag 1 but is indicated by the figure being in cross-section. The closing band 3 of the outer bag 1 is in place with a bowknot. The lowering cord 15 is threaded though both the notch 13 of the handle 9 and the slot 12 in the outer bag 1 as described in connection with figures 16 - 20.

Claims

1. Cremation urn, which comprises an outer bag (1), a handle (9) for the outer bag (1), and an inner bag (4) for ash with closing means.

2. Cremation urn of claim 1, wherein a first band (6) is threaded through holes (5) in the upper part of the inner bag (4), the first band (6) and the holes (5) constituting said closing means.

3. Cremation urn of claim 1 or 2, wherein the outer bag (1) has holes (2) along its periphery, preferably at its upper edge, for threading a second band (3) therethrough for closing the outer bag (1) by strapping.

4. Cremation urn of any of claims 1 - 3, wherein the

handle (9) bridges two opposite places at the sides of the outer bag (1).

5. Cremation urn of any of claims 1 - 4, wherein the handle (9) is a sheet-like piece.

6. Cremation urn of any of claims 3 - 5, wherein the sides of the handle (9) has holes (11) for the second band (3), whereby the handle (9) is attached to the outer bag (1) by means of the second band (3) going through the holes (11).

7. Cremation urn of any of claims 1 - 6, wherein the handle (9) has an opening (10) for fingers, whereby its upper end can be grabbed in a comfortable way.

8. Cremation urn of any of claims 1 - 7, wherein the upper part of the outer bag (1) has slits on two of its opposite sides for fitting the carrying handle (9).

9. Cremation urn of any of claims 1 - 8, further comprising a third band (15) fastened to the handle (9) for lowering the cremation urn to a grave.

10. Cremation urn of any of claims 1 - 9, further comprising detachable decoration parts (17, 18, 19) attached to the handle (9), the decoration parts having the form of angle wings, flowers, and/or cross symbols.

11. Cremation urn of claim 10, the decoration parts being threaded through the handle (9) through still more holes (14) or notches in the handle (9).

12. Method for manufacturing a cremation urn of any of claims 1 - 11, the cremation urn comprising an outer bag (1), a handle (9) for the outer bag (1), and an inner bag (4) with closing means, the method comprising the steps of

a) providing at least one material sheet,
b) cutting a first preform for the inner bag (4) from said at least one material sheet,
c) forming the inner bag (4) by folding the sheet with the opposite edges of the first preform against each other and fastening the sides to each other,
d) providing the inner bag with closing means, before and/or after the foregoing step,
e) cutting a second preform (1) for the outer bag from said at least one material sheet,
f) forming the outer bag by folding it with the opposite edges of the second preform against each other and connecting the sides to each other,
g) placing the inner bag inside the outer bag,
h) attaching a handle (9) to the outer bag (1),
i) threading a second band (6) through holes (2) along the periphery of the outer bag (1) and through at least one hole (11) at the side of the outer bag (1).

13. Method of claim 12, further comprising providing the first preform (4) by further perforating holes (5) at the opposite ends and threading a first band (6) through the holes (5) for forming the closing means for the inner bag (4).

14. Method of claim 12 or 13, further comprising providing the second preform (1) by further perforating holes (2) at the opposite ends, and threading a second band (3) through the holes (2) for forming closing means for the outer bag (1).

15. Method of any of claims 12 - 14, further comprising cutting a cross-formed third preform for a cup (21) for the inner bag (4) from said at least one material sheet, and after folding joining the sides of the cross arms together by stitches.

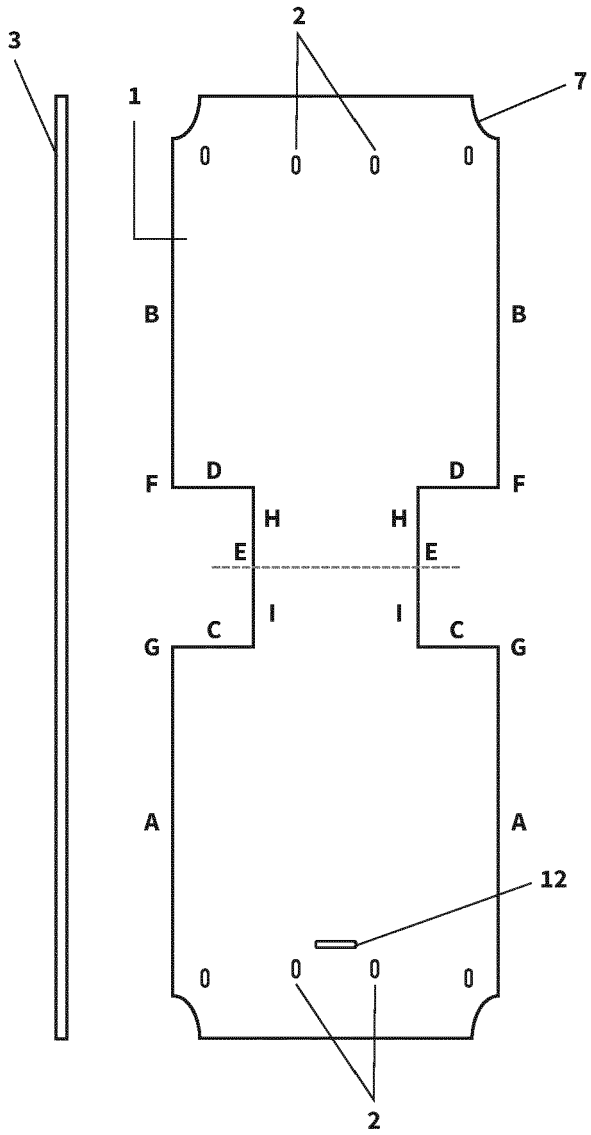

FIG. 1

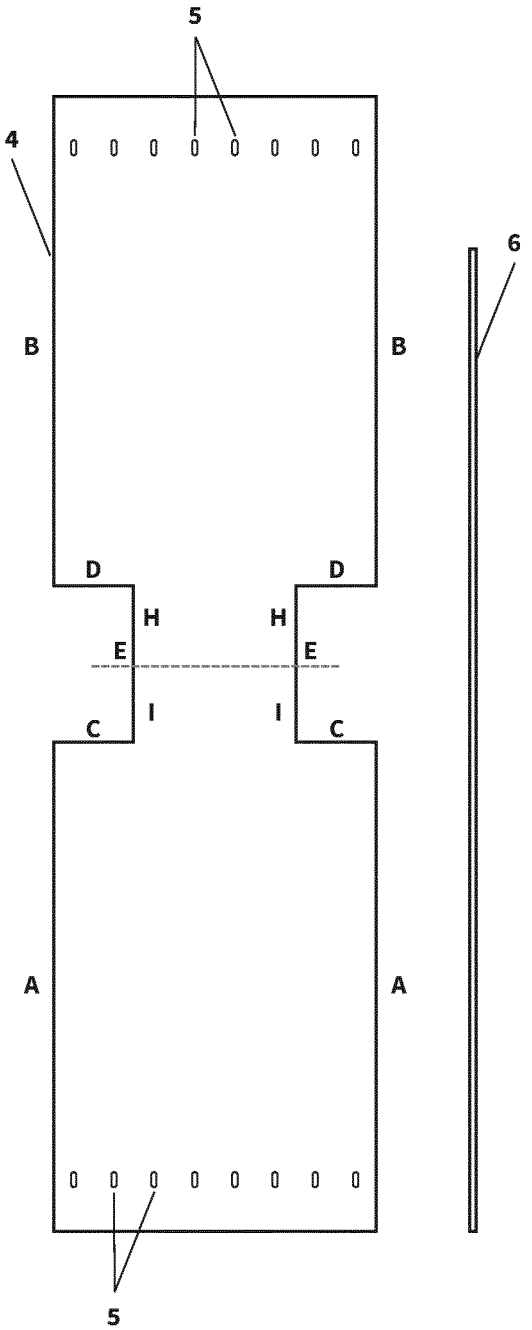

FIG. 2

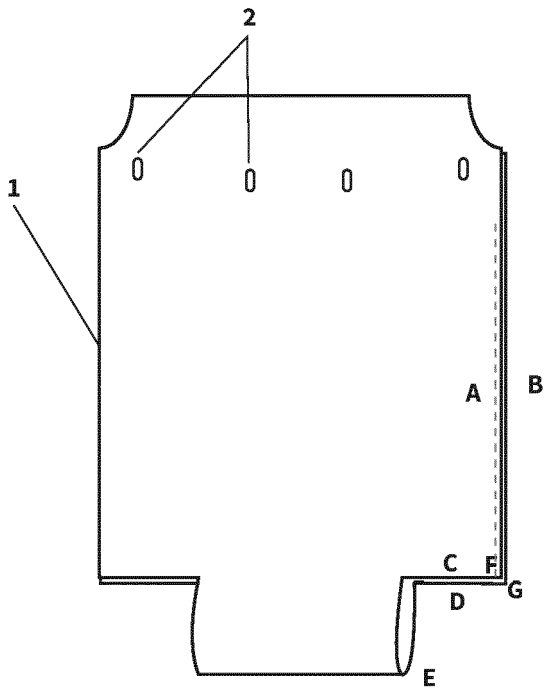

FIG. 3

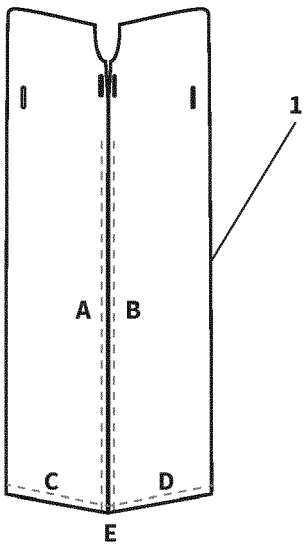

FIG. 4

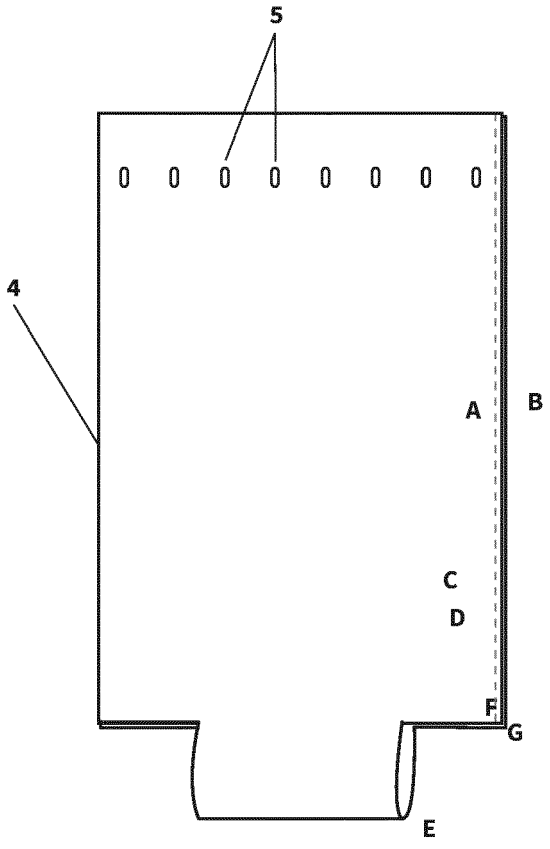

FIG. 5

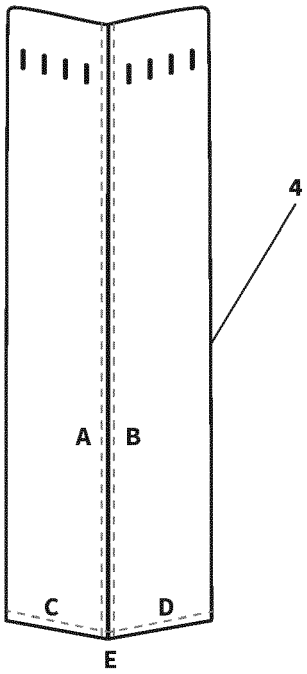

FIG. 6

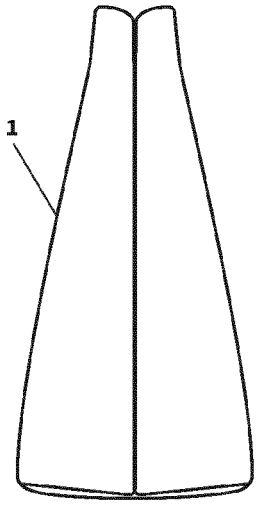

FIG.7

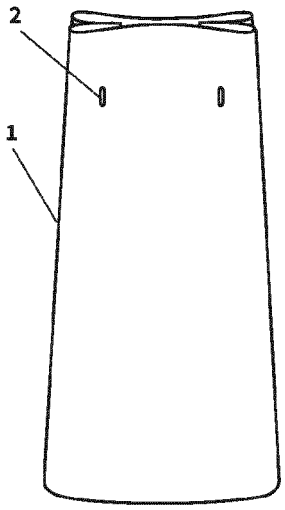

FIG.8.a

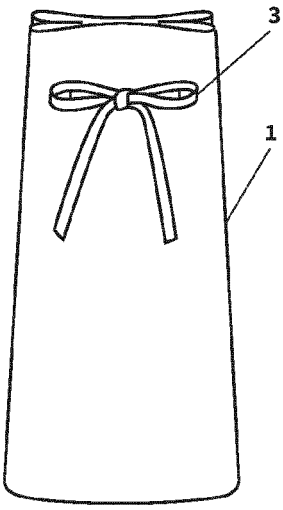

FIG.8.b

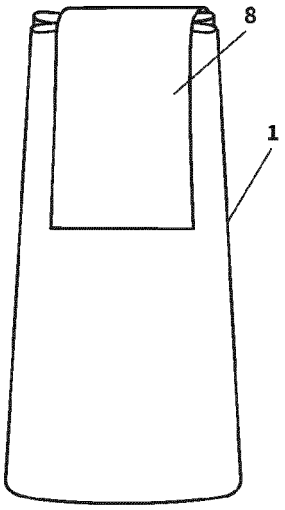

FIG.9

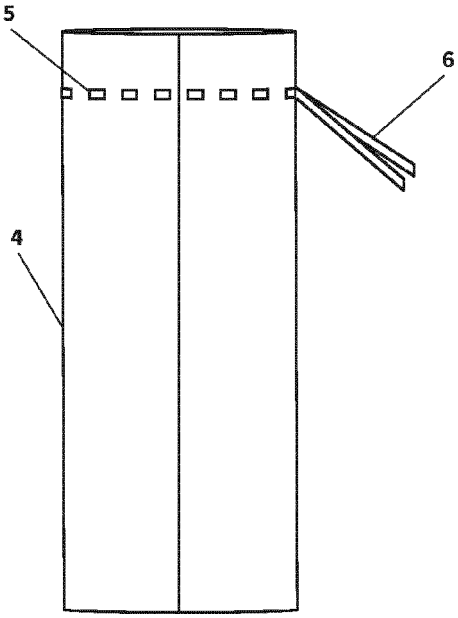

FIG.10

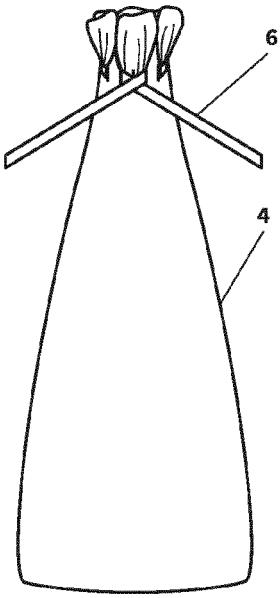

FIG.11

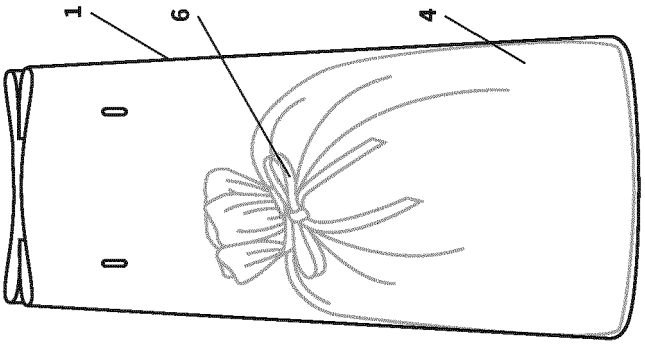

FIG.14

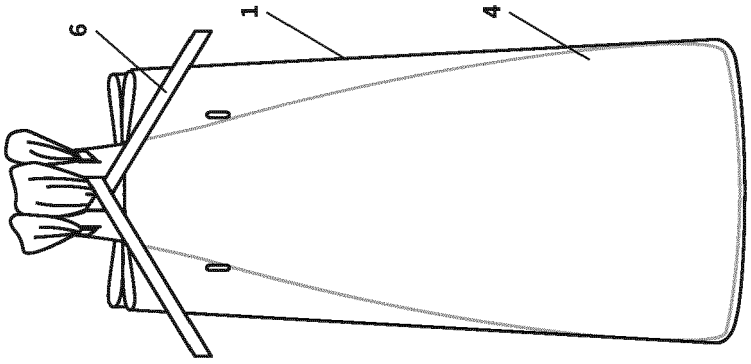

FIG.13

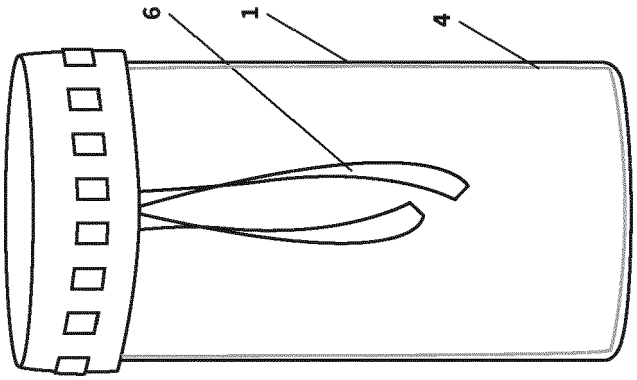

FIG.12

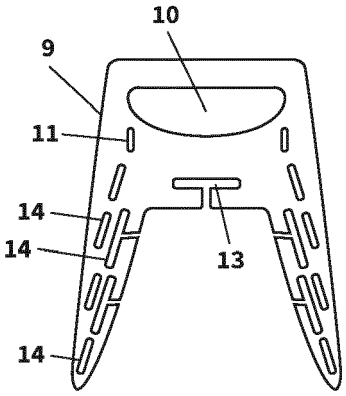

FIG.15

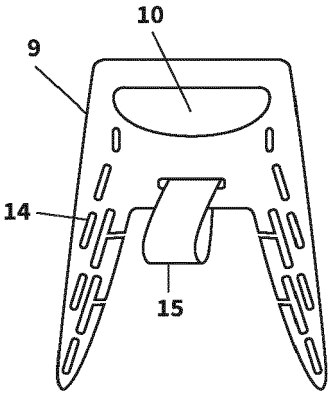

FIG.17

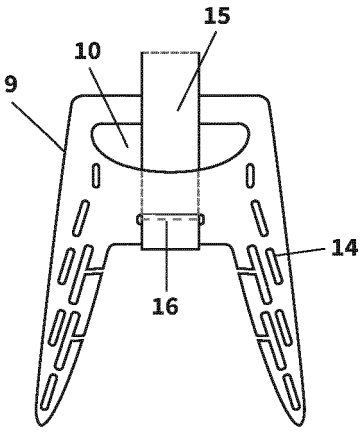

FIG.18

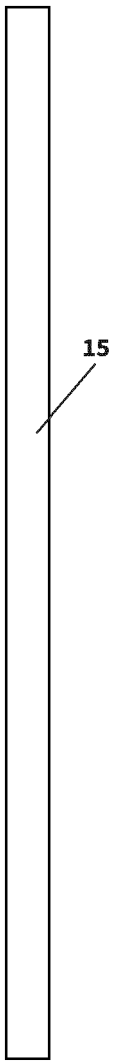

FIG.16

FIG.19

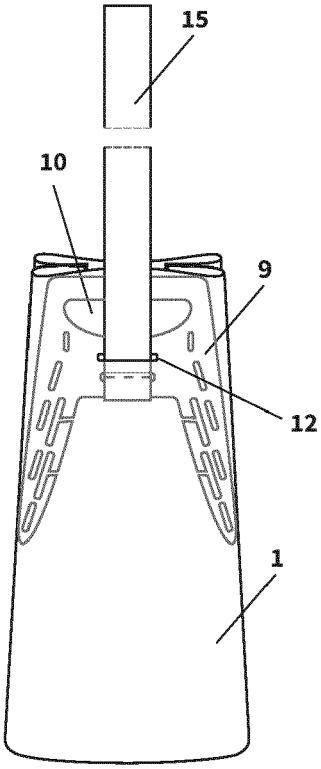

FIG.20

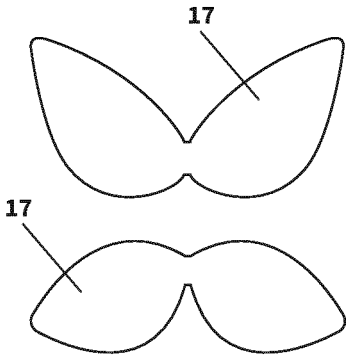

FIG.21a

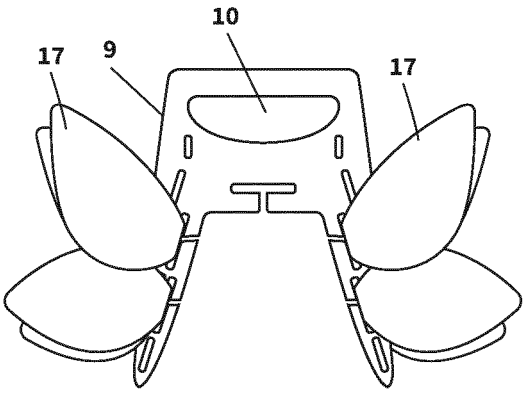

FIG.21b

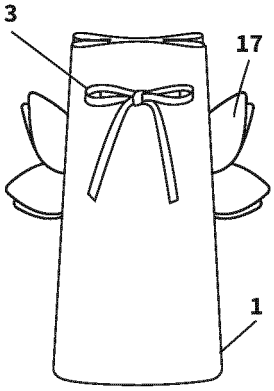

FIG.21c

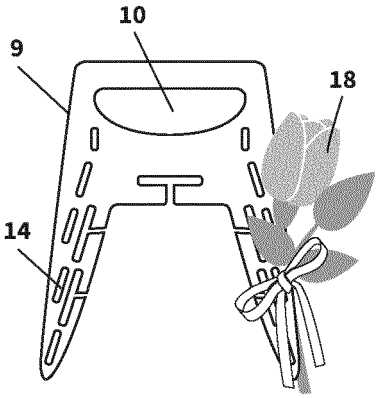

FIG.22a

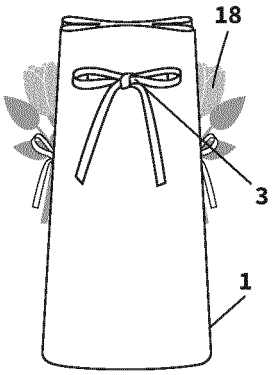

FIG.22b

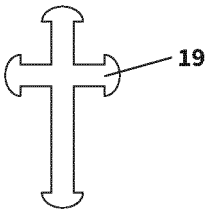

FIG.23a

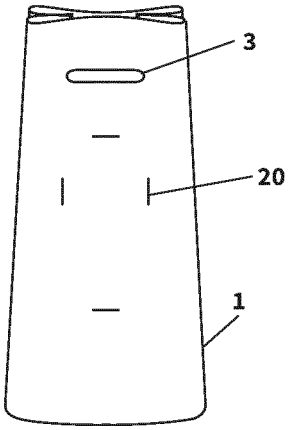

FIG.23b

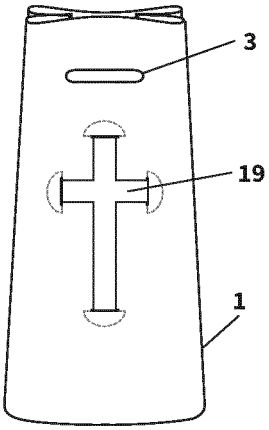

FIG.23c

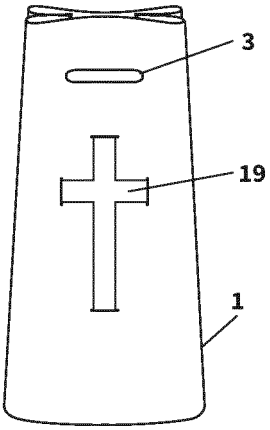

FIG.23d

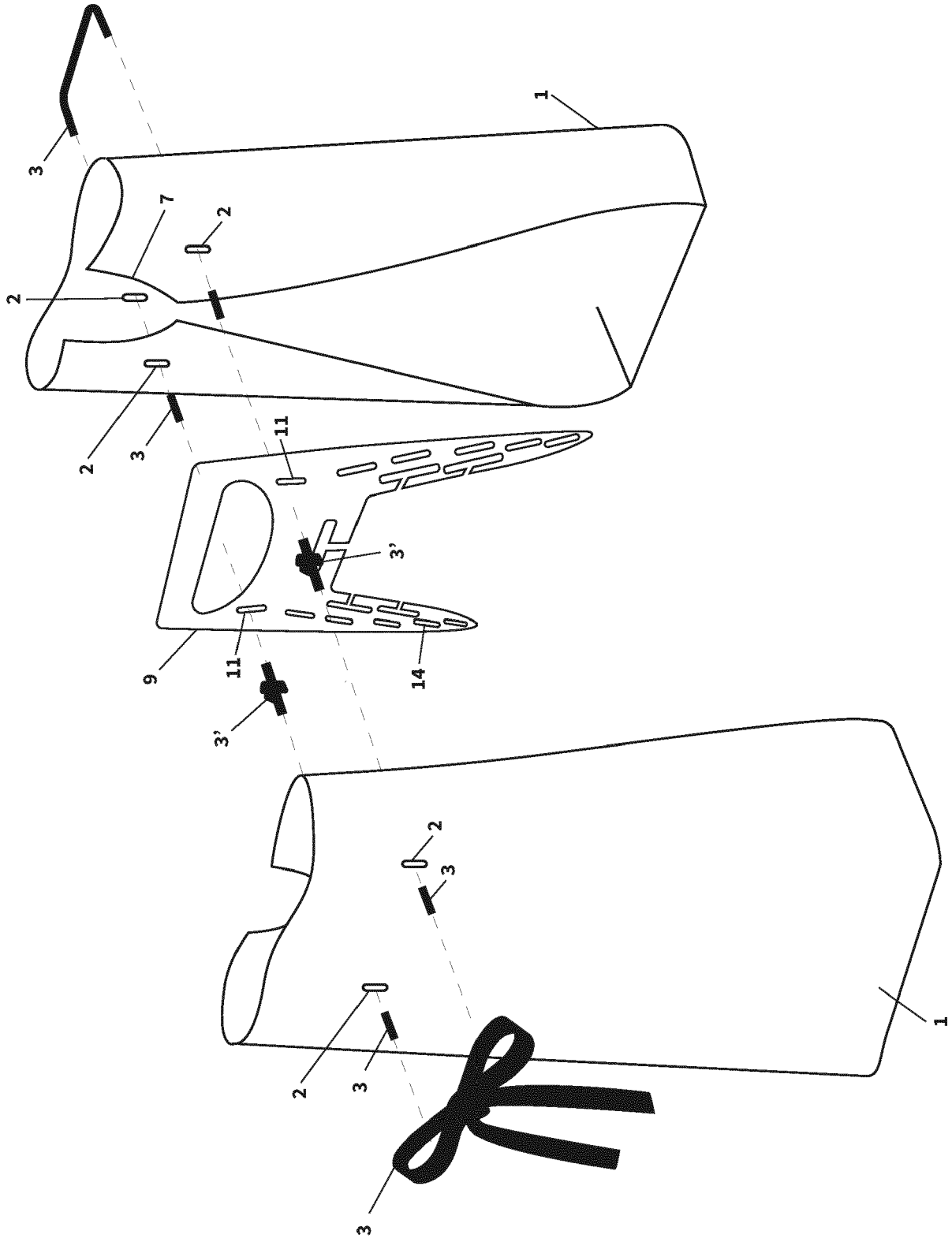

FIG.24

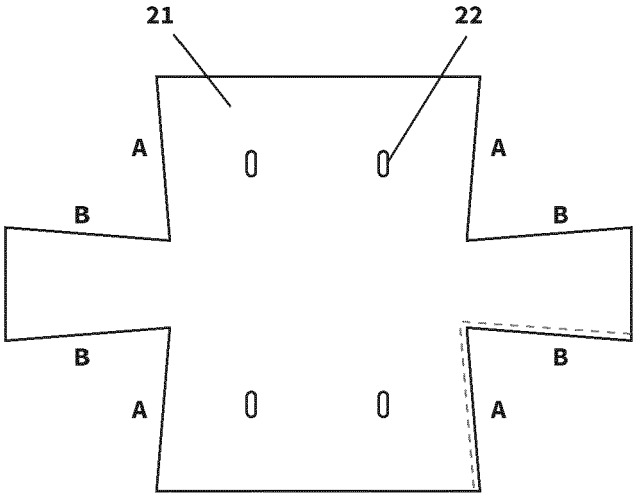

FIG.25

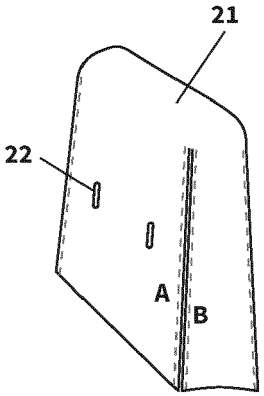

FIG.26

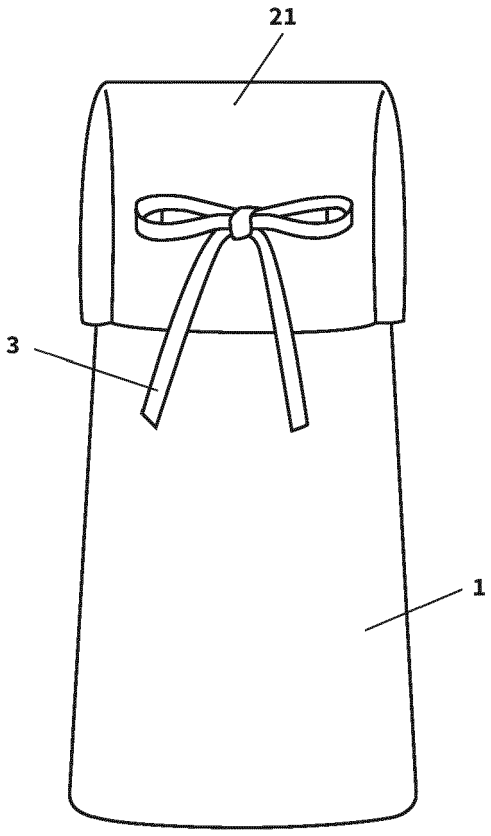

FIG.27

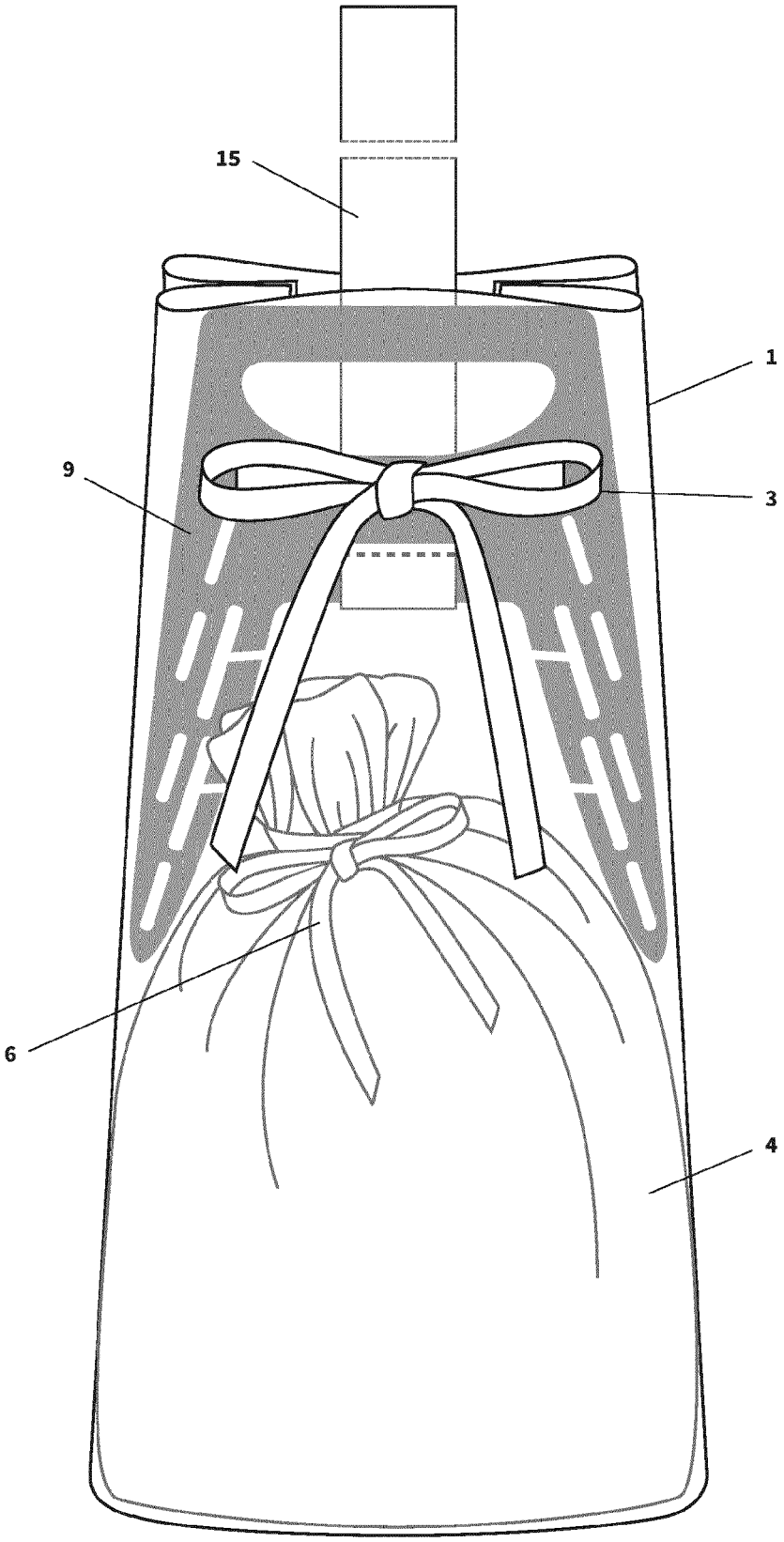

FIG.28

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EUROPEAN SEARCH REPORT

Application Number
EP 21 20 8382

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	GB 2 564 746 A (SWEET GOODBYE PTY LTD [AU]) 23 January 2019 (2019-01-23) * page 6, line 19 - page 15, line 12 * * figures 1-5 *	1-15	INV. A61G17/08 ADD. A61G17/007
X	US 7 308 741 B1 (RYDBERG MARY F [US] ET AL) 18 December 2007 (2007-12-18) * column 6, line 37 - column 18, line 59 * * figures 1-20 *	1,12	A61G17/06
X	US 2009/025194 A1 (PEARCE JEFFREY [US]) 29 January 2009 (2009-01-29) * paragraph [0011] - paragraph [0015] * * figures 1-4 *	1,12	
A	JP 2010 035961 A (SANWA SHOKAI KK) 18 February 2010 (2010-02-18) * the whole document *	1-15	
A	TW 200 901 950 A (LIN SU-ZHEN [TW]) 16 January 2009 (2009-01-16) * the whole document *	1-15	
			TECHNICAL FIELDS SEARCHED (IPC) A61G

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	29 April 2022	Schiffmann, Rudolf

CATEGORY OF CITED DOCUMENTS

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29-04-2022

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2564746 A	23-01-2019	NONE	
US 7308741 B1	18-12-2007	NONE	
US 2009025194 A1	29-01-2009	NONE	
JP 2010035961 A	18-02-2010	NONE	
TW 200901950 A	16-01-2009	NONE	

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82