



PAPER COFFIN FOR CREMATION

BACKGROUND OF THE INVENTION

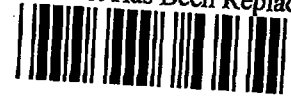
The present invention relates to a paper coffin for cremation, and more particularly to a coffin made of recovered paper material at low cost without using any wooden material. The paper coffin is assembled from components by tight fit and adhesion without using any hand tool and nail. After cremated, the ash produced from the paper coffin is much less than that produced from a wooden coffin.

In the recent years, the inhumation has been gradually substituted by the cremation in order to reduce the area of the land for graveyard.

In the cremation, a body is generally rested in a wooden coffin. This results in several shortcomings as follows:

1. The wooden coffin is made of wooden material which is manufactured at high cost. Therefore, the wooden coffin is relatively expensive.

2. The wooden coffin has insufficient water-absorbing ability and poor airtightness so that after the body has been rested in the wooden coffin for a certain period of



time, the body fluid often infiltrates through the coffin to spread the smell of the body around.

3. The wooden material for making the wooden coffin is acquired by means of hacking the trees in the forest. This violates the principle of environmental protection and forms a waste of natural resource.

4. The ash produced from the wooden coffin after cremated has considerably large volume and cannot be easily treated.

5. Although the wooden coffin can be made of plywood material to save expense and material, such coffin often has poor and undesirable appearance.

6. The wooden coffin has fixed pattern which necessitates great room for storage. This causes waste of space.

7. The wooden coffin has relatively heavy weight and thus cannot be easily transferred.

SUMMARY OF THE INVENTION

It is therefore a primary object of the present invention to provide a paper coffin for cremation, including a base, two lateral boards, two end boards, an



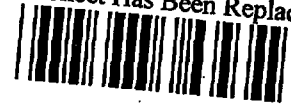
inner coffin and a coffin cover which are all made of paper material and assembled by means of simple tight fit and adhesion, so that the wooden material is saved to meet the requirement of environmental protection.

It is a further object of the present invention to provide the above paper coffin which is made of recovered paper material so as to fully utilize the natural resource.

It is still a further object of the present invention to provide the above paper coffin in which the inner coffin is an open box body for placing a body therein. A water-absorbing fabric is disposed over inner side of the inner coffin for absorbing the body fluid and preventing the smell of the body from spreading around. An acrylic transparent cover is disposed on a top face of the inner coffin to cover the same. The family or relatives can see the body through the transparent cover while being isolated from the body.

It is still a further object of the present invention to provide the above paper coffin in which the base is identical to the coffin cover and the two lateral boards and the two end boards are respectively identical to each other, so that the components of the coffin can be quickly mass-produced.

It is still a further object of the present invention



to provide the above paper coffin in which the surfaces of the respective components of coffin can be previously disposed with decorative channels or decorative figures to beautify the appearance of the coffin.

The present invention can be best understood through the following description and accompanying drawings, wherein:

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective exploded view of the present invention;

Fig. 2 is a perspective view showing the structure of the paper unit for manufacturing the paper coffin of the present invention;

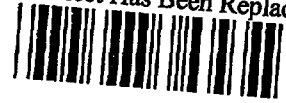
Fig. 3 is a perspective view of the present invention in which the coffin compartment is not covered by the coffin cover;

Fig. 4 is a cross-sectional assembled view of the present invention;

Fig. 5 is a perspective view of the present invention in which the coffin compartment is covered by the coffin cover; and

Fig. 6 is a perspective view in which the coffin cover is disposed with decorative channels.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT



Please refer to Fig. 1. The paper coffin of the present invention mainly includes a base 10, two lateral boards 20, two end boards 30, an inner coffin 40 and a coffin cover 50. All these components are made of paper material and associated with each other by means of tight fit and adhesive agent.

The base 10 is identical to the coffin cover 50 in pattern and specification, being a rectangular board member formed with two lengthwise lateral engaging grooves 13 throughout two sides and two transverse end engaging grooves 17 at two ends. Each end engaging groove 17 is perpendicular to and communicated with the lateral engaging groove 13. The base 10 further has two long straight side walls 15 adjacent to the lateral engaging grooves 13 and two short straight side walls 19 adjacent to the end engaging grooves 17. The long and short side walls 15, 19 are arranged along the periphery of the base 10 opposite to each other. The lateral and end engaging grooves 13, 17 surround a bottom portion for resting the inner coffin 40 thereon.

Each lateral board 20 is substantially T-shaped in cross-section, having a length equal to that of the lateral engaging groove 13. The lateral board 20 is formed with two projecting engaging strip 21 on two sides and two attaching faces 22 perpendicular to and adjacent to the engaging



strips 21. The engaging strips 21 are snugly fitted into the lateral engaging grooves 13 with the attaching faces 22 attached to the long side walls 15 of the base 10. Similarly, each end board 30 is substantially T-shaped in cross-section, having a length equal to that of the end engaging groove 17. The end board 30 is formed with two projecting engaging strips 31 on two sides and two attaching faces 32 perpendicular to and adjacent to the engaging strips 31. The engaging strips 31 are snugly fitted into the end engaging grooves 17 with the attaching faces 32 attached to the short side walls 19 of the base 10.

Please refer to Fig. 2. The base 10, coffin cover 50, lateral boards 20 and end boards 30 are all made of paper units 60 by cutting. Each paper unit 60 includes a corrugated paper 61 having a beehive pattern and an upper and a lower connecting layers 62 adhered to the corrugated paper 61 by waterproof resin A. After cut into the shapes of the respective components, a decorative layer 63 is adhered to the externally exposed surface of the paper unit 60 by the waterproof resin A, whereby the paper unit 60 includes at least three layers of waterproof resin A to enhance the waterproof effect and achieve a desirable appearance as shown in Fig. 3.

The inner coffin 40 is a box body in which water-absorbing fabric is disposed over the inner side. An

acrylic transparent cover 43 is disposed on the top face of the inner coffin 40. The transparent cover 43 is formed with perpendicular engaging edges 431 for covering the periphery of the inner coffin 40.

Please refer to Figs. 1, 3 and 4. When assembled, the engaging strips 21 of the lateral boards 20 are fitted and adhered in the lateral engaging grooves 13 by the resin with the attaching faces 22 attached to the long side walls 15. At this time, the surfaces of the lateral boards 20 are flush with the surface of the base 10. Similarly, the engaging strips 31 of the end boards 30 are fitted and adhered in the end engaging grooves 17 with the attaching faces 32 flushly attached to the short side walls 19. At this time, the end boards 30 are flushly sandwiched between the lateral boards 20 as shown in Figs. 3 and 4. In addition, the waterproof resin is painted in the clearance between the lateral and end boards 20, 30 and the base 10 to enhance the sealing and leakproof effect. The lateral and end boards 20, 30 define a coffin compartment 11 for receiving the inner coffin 40. The body is rested in the inner coffin 40 with the water-absorbing fabric 41 and then the transparent cover 43 is placed on the inner coffin 40 to cover the same. The transparent cover 43 can be sealedly adhered to the inner coffin 40 by the waterproof resin. As shown in Fig. 3, the family of the dead can see the body through the transparent cover 43. The coffin cover 50 covers the coffin compartment 11 with the engaging strips



21, 31 of the lateral and end boards 20, 30 fitted and adhered in the engaging grooves 13, 17 of the coffin cover 50. After covered by the coffin cover 50, the entire coffin has a tidy rectangular pattern as shown in Fig. 5. At this time, the coffin can be transferred for cremation. In addition, as shown in Fig. 6, the surface of the coffin cover 50 can be disposed with various kinds of decorative channels 53 or decorative figures to present different appearances.

The advantages of the present invention are as follows:

1. The coffin is made of recovered paper so that the wooden material is greatly saved and the object of environmental protection is achieved.

2. The paper coffin has a lighter weight than the wooden coffin, so that the paper coffin can be transferred more easily. In addition, the paper coffin is assembled from the respective components which can be stored in greatly reduced room.

3. The assembling procedure can be quickly and easily performed so that the manufacturing cost is reduced. The assembling procedure only includes the steps of insertion and adhesion and can be accomplished only by means of the adhesive resin without any hand tools and nails.



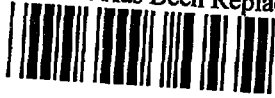
4. The paper unit includes an upper and a lower connecting layers and at least three layers of waterproof resin. In addition, the resin is painted in the clearance between the respective components so that the paper coffin is sealedly assembled with waterproof effect.

5. The surfaces of the respective components such as the coffin cover, lateral and end boards can be previously disposed with decorative channels or decorative layers having grain-like stripes so as to beautify the appearance of the coffin.

6. The inner coffin is disposed with internal water-absorbing fabric for absorbing the body fluid and the inner coffin is covered by the transparent coffin cover so that the body fluid is prevented from leaking outside and the smell of the body is prevented from spreading around.

7. After cremated, the ash produced from the paper coffin is much less and easier to handle than that produced from a wooden coffin.

The above embodiment is only an example of the present invention and the scope of the present invention should not be limited to the example. Any modification or variation derived from the example should fall within the scope of the present invention.



WHAT IS CLAIMED IS:

1. A paper coffin for cremation, comprising a base, two lateral boards, two end boards, an inner coffin and a coffin cover which are all made of paper material, wherein:

the base is identical to the coffin cover in pattern and specification, being a rectangular board member formed with two lengthwise lateral engaging means throughout two sides and two transverse end engaging means at two ends, each lateral board being formed with two engaging means on two sides for engaging with the lateral engaging means of the base in an opposite upright state, each end board being formed with two engaging means on two sides for engaging with the end engaging means of the base in an opposite upright state, the lateral and end boards being further adhered to the base by waterproof resin to define a coffin compartment for receiving the inner coffin, the lateral and end boards being equal to each other in height; and

the inner coffin is an open box body for placing a body therein, water-absorbing fabric being disposed over inner side of the inner coffin, an acrylic transparent cover being disposed on a top face of the inner coffin to cover the same, the coffin cover being engaged with the lateral and end boards to cover the coffin compartment for cremation.



2. A paper coffin as claimed in claim 1, wherein the lateral engaging means of the base are lateral engaging grooves and the end engaging means of the base are end engaging grooves, the end engaging grooves being perpendicular to and communicated with the lateral engaging grooves, the base further having two long straight side walls adjacent to the lateral engaging grooves and two short straight side walls adjacent to the end engaging grooves, the long and short side walls being arranged along a periphery of the base opposite to each other; and

each lateral board is substantially T-shaped in cross-section, having a length equal to that of the lateral engaging groove, the engaging means of the lateral board being two projecting engaging strips, each lateral board having two attaching faces perpendicular to and adjacent to the engaging strips, the engaging strips being snugly fitted into the lateral engaging grooves with the attaching faces attached to the long side walls of the base, each end board being substantially T-shaped in cross-section, having a length equal to that of the end engaging groove, the engaging means of the end board being two projecting engaging strips, each end board having two attaching faces perpendicular to and adjacent to the engaging strips, the engaging strips being snugly fitted into the end engaging grooves with the attaching faces attached to the short side walls of the base, whereby the lateral and end boards are



engaged with the base and the coffin cover.

3. A paper coffin as claimed in claim 1, wherein the base, coffin cover, lateral boards and end boards are made of paper units by cutting, each paper unit including a corrugated paper having a beehive pattern and upper and lower connecting layers adhered to the corrugated paper by waterproof resin, a decorative layer being adhered to externally exposed surface of the paper unit by the waterproof resin.

4. A paper coffin as claimed in claim 1, wherein the transparent cover is formed with perpendicular engaging edges for covering the periphery of the inner coffin.

5. A paper coffin as claimed in claim 1, wherein the surfaces of the coffin cover, lateral boards and end boards are previously disposed with decorative channels or decorative pictures so as to beautify the appearance of the coffin.