CLAIMS

1. Woven structure comprising at least two woven walls connected to one another by at least one binding thread that is not added separately, characterized in that the variation of the length between two consecutive sinkers of said at least one binding thread, each of said sinkers corresponding to a riser by a weft thread of a different wall, is continuous on at least one portion of said structure in the direction of the warp and/or in the direction of the weft; each binding tread is made from a single material when inserted into the weft of the woven walls as they are manufactured.

2. Structure according to claim 1, wherein it comprises an upper wall, an intermediate wall, and a lower wall, said walls being superposed, at least a first binding thread connecting said upper and intermediate walls, and at least a second binding thread connecting said lower and intermediate walls, at least one of said first and second binding threads exhibiting a variation of length between two consecutive sinkers, each of said sinkers corresponding to a riser by a weft thread of a different wall, which is continuous on at least one portion of said structure in the direction of the warp and/or in the direction of the weft.

3. Woven structure that comprises at least one upper woven wall and one lower woven wall that are connected to one another by at least one binding thread that is not added separately, wherein said at least one binding thread has several portions floating in the direction of the weft, each of these portions corresponding to said at least one binding thread connected by, on the one hand, at least two warp threads of the upper wall and by, on the other hand, at least two warp threads of the lower wall, the variation of the length of said floating portions is continuous on at least one portion of said woven structure in the direction of the weft and/or of the warp each binding tread is made from a single material when inserted into the weft of the woven walls as they are manufactured.

4. Structure according to any of claims 1 to 3, wherein said binding threads being under tension, at least a majority of the lengths between two consecutive sinkers of said binding threads are rectilinear while being evenly spaced or not.

5. Structure according to any of claims 1 to 4, wherein the length of the warp threads and/or of the weft threads of at least one said walls is different from the length of the warp threads and/or the weft threads of the other walls.

6. Structure according to claim 5, wherein said walls have different weaves.

7. Structure according to any of claims 1 to 6, wherein said walls may or may not be continuous.

8. Structure according to any of claims 1 to 7, wherein said structure is of a single piece.

9. Structure according to any of claims 1 to 7, wherein said walls and/or said binding threads are produced in different materials.

10. Structure according to any of claims 1 to 9, wherein said binding threads are selected from the group that comprises monofilament threads, multifilament threads, threads comprising agglomerated fibers, flat threads, flexible metallic threads, and combinations of these elements.

11. Structure according to any of claims 1 to 10, wherein said woven structure comprises at least one lateral wall connecting said walls, at least some of said warp threads and/or weft threads are placed both in at least one of said walls and in said lateral wall, said threads being continuous, each binding thread is made from a single material when inserted into the warp of the woven walls as they are manufactured.

12. Flexible container, wherein it comprises a structure according to any of claims 1 to 11.

13. Container according to claim 12, wherein said structure comprises a layer of sealing material.

14. Container according to claim 13, wherein it comprises a selvage, an area intended to form a rounding when the container is under pressure, and a plane central area for forming an inflatable cushion.

15. Panel that comprises at least two walls that are spaced from one another, wherein said two walls are formed by a structure according to any of claims 1 to 11.

16. Ship equipped with at least one panel according to claim 15.

17. Aircraft equipped with at least one panel according to claim 15.

18. Interior or exterior household article, wherein it comprises a structure according to any of claims 1 to 11.

19. A weaving process for producing a woven structure comprising at least two woven walls connected to one another by at least one binding thread that is not added separately, characterized in that the variation of the length between two consecutive sinkers of said at least one binding thread, each of said sinkers corresponding to a riser by a weft thread of a different wall, is continuous on at least one portion of said structure in the direction of the warp and/or in the direction of the weft; each binding tread is made from a single material when inserted into the weft of the woven walls as they are manufactured.

20. A weaving process for producing a woven structure that comprises at least one upper woven wall and one lower woven wall that are connected to one another by at least one binding thread that is not added separately, wherein said at least one binding thread has several portions floating in the direction of the weft, each of these portions corresponding to said at least one binding thread connected by, on the one hand, at least two warp threads of the upper wall and by, on the other hand, at least two warp threads of the lower wall, the variation of the length of said floating portions is continuous on at least one portion of said woven structure in the direction of the weft and/or of the warp each binding tread is made from a single material when inserted into the weft of the woven walls as they are manufactured.

CLAIMS

1. A woven structure comprising at least two woven walls (11, 12) attached to each other by at least one linking thread (13), characterized by the fact that the length variation between two consecutive sinkers of the said at least one linking thread (13), each of the sinkers corresponding attached to a riser per weft yarn of a different wall, is continuous on at least a portion of the said structure in the direction of the warp and/or in the direction of the weft.
2. Structure as per claim 1, characterized by the fact that it comprises an upper wall (11), a middle wall and a lower wall (12), the said walls being superimposed, with at least a first linking thread linking the upper and middle walls and at least a second linking thread linking the said lower and middle walls. at least one of the first and second linking threads presenting a length variation between two consecutive sinkers, each of the said sinkers corresponding to a riser per weft yarn of a different wall, which is continuous on at least a portion of the said structure in the direction of the warp, and/or in the direction of the weft.
3. A woven structure comprising at least one woven upper wall (11) and one woven lower wall (12) connected together by at least one unattached linking thread (13), characterized by the fact that the said at least one linking thread (13) presenting several floating portions in the direction of the weft, each of these portions corresponding to the said at least one linking thread (13) linked on the one hand by at least two warp threads from the upper wall and on the other by at least two from the lower wall, the length variation of the said floating portions is continuous on at least a portion of the said woven structure in the direction of the weft and/or the warp.
4. Structure as per any one of claims 1 to 3, characterized by the fact that when the said linking threads (13) are under pressure, at least the majority of the lengths between two consecutive sinkers of the said linking threads (13) are straight rectilinear and spaced either regularly or irregularly.
5. Structure as per any one of claims 1 to 4, characterized by the fact that the ~~length of the warp threads and/or the weft threads of at least one of the said~~

walls (11, 12) is different from the length of the warp threads and/or the weft threads of the other walls (11, 12).

6. Structure as per claim 5, characterized by the fact that the said walls (11, 12) have different weaves.
7. Structure as per any one of claims 1 to 6, characterized by the fact that the said walls (11, 12) are either continuous or non-continuous.
8. Structure as per any of claims 1 to 7, characterized by the fact that the said structure is of one piece.
9. Structure as per any one of claims 1 to 7, characterized by the fact that the said walls (11, 12) and/or the linking thread (13) are made from different materials.
10. Structure as in per any one of claims 1 to 9, characterizsed by the fact that the said linking threads (13) are chosen from the group containing monofilament yarns, multi-filament yarns, yarns including agglomerated fibres, flat yarns, flexible metallic yarns and combinations of these elements.
11. Structure as per any one of claims 1 to 10, characterized by the fact that the said woven structure comprising at least one lateral wall (14, 15) linking the said walls (11, 12), at least some of the said warp and/or the weft threads are placed at the same time in at least one of the said walls (11, 12) and in the said lateral wall (14, 15), the said threads being continuous.
12. A flexible vessel, characterized by the fact that it comprises a structure as per any one of claims 1 to 11.
13. Vessel as per claim 12, characterized by the fact that the said structure is more waterproof..
14. Vessel as per claim 13, characterized by the fact that it comprises a selvedge, a zone designed to form a circular shape when the vessel is put under pressure and a flat central area to form an inflatable cushion.
15. Panel comprising at least two walls spaced apart from each other, characterized by the fact that the said two walls (11, 12) are formed from a structure as per any one of claims 1 to 11.
16. A ship equipped with at least one panel as per claim 15.
17. An aircraft equipped with at least one panel as per claim 15.
18. An internal or external fixture characterized by the fact that it comprises a structure as per any one of claims 1 to 11.