Patent claims

1. A pallet container (10) for storing and transporting in particular hazardous liquid filling materials, having an exchangeable plastics inner container (14) and a supporting casing which closely encloses the plastics inner container (14) and is made of a tubular lattice frame (16) which is fastened to the upper outer rim on the pallet top deck of a rectangular bottom pallet (12),
characterized in that
a transportation securing eye (18, 30) that consists of metal is provided and fastened in each case on the pallet top deck of the bottom pallet (12) in all four corner regions externally in front of the bottommost horizontally peripheral lattice tube (26) of the tubular lattice frame (16), wherein the transportation securing eye (18, 30) is fastened by way of a fastening screw (26) that passes through the bottommost horizontally peripheral lattice tube (26) of the tubular lattice frame (16) in the corner region.

2. The pallet container as claimed in claim 1,
characterized in that
the transportation securing eye (18) has a fastening plate (20) with a retaining ring (22) and is provided with a hinge joint (24) so as to be formed in a flappable manner.

3. The pallet container as claimed in claim 1,
characterized in that
the transportation securing eye (30) is produced in one piece with a fastening tab (32) from a sheet-steel strip and is provided at its outer rim (34) and in its through-opening (36) with an angled flange rim (38, 40).

4. The pallet container as claimed in claim 3, characterized in that
the transportation securing eye (30) together with the fastening tab (32) has an overall length of approximately 60 mm to 95 mm, preferably approximately 85 mm, and a free inside diameter of the through-opening (36) of approximately 20 mm to 40 mm, preferably approximately 30 mm.

5. The pallet container as claimed in claim 3 or 4, characterized in that
the fastening tab (32) having a bore is angled at right angles to the transportation securing eye (30) and is fitted in a form-fitting manner from the inside under the bottommost horizontally peripheral lattice tube (26), pressed flat in the corner region, of the tubular lattice frame (16), and is screw-connected and fastened by means of the fastening screw (28) that passes through the bottommost horizontally peripheral lattice tube (26) of the tubular lattice frame (16) in the corner region.

6. The pallet container as claimed in claim 3, 4 or 5, characterized in that
the transportation securing eye (30) projects upwardly substantially perpendicularly to the pallet top deck in the mounted state and only in the guyed state with taut lashing straps is it bent obliquely such that the angled flange rim (40), in the lower region of the through-opening (36), comes to rest against the screw head of the fastening screw (28) screwed in in the corner region and thus covers the screw head and fixes the latter against undesired loosening.

What is claimed is:

1. A pallet container for storing and transporting a liquid filling material, said pallet container comprising:
a bottom pallet having a pallet top deck;
an exchangeable plastics inner container;
a supporting casing configured to closely enclose the inner container and made of a tubular lattice frame which is fastened to an upper outer rim of the pallet top deck;
transportation securing eyes provided on the pallet top deck of the bottom pallet in all four corner regions in one-to-one correspondence externally in front of a bottommost horizontally peripheral lattice tube of the tubular lattice frame, each said transportation securing eye being made of metal and fastened by a fastening screw sized to pass through the bottommost horizontally peripheral lattice tube of the tubular lattice frame in the corner region, and
wherein the transportation securing eye is made in one piece from a sheet-steel strip and has an outer rim which is provided with a first flange rim, and a through-opening which is collared with a second flange rim.

2. The pallet container of claim 1, wherein the bottom pallet has a rectangular configuration.

3. The pallet container of claim 1, wherein the transportation securing eye has a fastening plate, a retaining ring, and a hinge joint swingably connecting the retaining ring to the fastening plate.

4. The pallet container of claim 1, wherein the transportation securing eye together with the fastening tab has an overall length of approximately 60 mm to 95 mm, said through-opening being defined by a free inside diameter of approximately 20 mm to 40 mm.

5. The pallet container of claim 4, wherein the length is approximately 85 mm, and the inside diameter is approximately 30 mm.

6. The pallet container of claim 1, wherein the fastening tab has a bore and is angled at a right angle to the transportation securing eye, said fastening tab being placed in a form-fitting manner from inside under a flat portion of the bottommost horizontally peripheral lattice tube in the corner region and fastened by the fastening screw that passes through the bottommost horizontally peripheral lattice tube of the tubular lattice frame in the corner region.

7. The pallet container of claim 1, wherein the transportation securing eye is sized to project upwardly substantially perpendicularly to the pallet top deck in a mounted state and is bent by taut lashing straps in a guyed state such that the second flange rim in a lower region of the through-opening rests against a screw head of the threadably engaged fastening screw in the corner region to thereby cover the screw head and fixing the screw head against undesired loosening.

8. A pallet container for storing and transporting a liquid filling material, said pallet container comprising:

a bottom pallet having a pallet top deck;

an exchangeable plastics inner container;

a supporting casing configured to closely enclose the inner container and made of a tubular lattice frame which is fastened to an upper outer rim of the pallet top deck; and

transportation securing eyes provided on the pallet top deck of the bottom pallet in all four corner regions in one-to-one correspondence externally in front of a bottommost horizontally peripheral lattice tube of the tubular lattice frame, each said transportation securing eye being made of metal and having a fastening member fastened by a fastening screw sized to pass through the bottommost horizontally peripheral lattice tube of the tubular lattice frame in the corner region and a retaining member extending from the fastening member, wherein the transportation securing eye is made in one piece from a sheet-steel strip and has the fastening member constructed as a fastening tab and the retaining member constructed as an outer rim which is provided with a first flange rim, and a through-opening which is collared with a second flange rim.