Patent claims

1.) A pallet container (10) for storage and for transport of in particular hazardous liquid or flowable filling materials, with a thin-walled rigid inner container (12) made from thermoplastic, with a tubular lattice frame (14) which tightly surrounds the plastics inner container (12) as a supporting casing and consists of horizontal and vertical tubular rods (18, 20) which are welded to one another, and with a rectangular base pallet (16) on which the plastics inner container (12) rests and to which the tubular lattice frame (14) is fixedly connected, wherein the cube-shaped plastics inner container (12) has two longer side walls, a shorter rear wall, a shorter front wall, a container base and a top (26) having a centrally arranged filling nozzle (30) which is closeable by means of a screw cap (28), wherein two tubular-rod-shaped crossbars (32) run at the top of the tubular lattice frame (14) laterally next to the filling nozzle (30) of the plastics inner container (12) and are fastened to the two longer side walls of the tubular lattice frame (14) and over which two holding devices (34) which are arranged on the top (26) and are formed from the plastics material of the plastics inner container (12) engage centrally,
characterized in that
the holding devices (34) are in the form of solid supporting pins which are open on one side, i.e. are supporting-pin-shaped, with a short free end (42) and a comparatively long connecting region (44).

2.) The pallet container as claimed in claim 1,
characterized in that
the supporting-pin-shaped holding devices (34) are formed facing each other with their free end (42).

3.) The pallet container as claimed in claim 1 or 2,
characterized in that
the comparatively long connecting region (44) of the supporting-pin-shaped holding devices (34) is approximately twice as long as the short free end (42).

4.) The pallet container as claimed in claim 1 or 2,

characterized in that the supporting-pin-shaped holding devices (34) overall have a rectangular cross section, wherein the height is approx. 35 mm to 45 mm - preferably 38 mm, the length is approx. 65 mm to 80 mm - preferably 72 mm, and the thickness is approx. 5 mm to 8 mm - preferably 6 mm.

5.) The pallet container as claimed in claim 1, 2, 3 or 4,
characterized in that
the short free end (42) has a length of approx. 18 mm to 25 mm – preferably 22 mm - and a free height or a distance from the top (26) of the inner container (12) of approx. 15 mm to 20 mm – preferably 17 mm.

6.) The pallet container as claimed in claim 1, 2, 3, 4 or 5,
characterized in that
the connecting region (44) of the supporting-pin-shaped holding devices (34) is formed exclusively in the obliquely running transition region (40) of the inner container top (26).

7.) The pallet container as claimed in one of the preceding claims 1 to 6,
characterized in that
the supporting-pin-shaped holding devices (34) are provided at their free end (42) with a small downwardly pointing lug (46).

8.) The pallet container as claimed in one of the preceding claims 1 to 7,
characterized in that
the two lateral outer edges of the supporting-pin-shaped holding devices (34) are provided with a continuous edge bead (48).

9.) The pallet container as claimed in claim 8,
characterized in that
the edge bead (48) has a width of approx. 3 mm and a height of approx. 1 mm.