CLAIMS

1. An assemblable metal pallet with at least two plinths (18) each provided with a cut-out and with a loading platform (20) obtained from a basic metal profile, the shape of which is symmetrical about the longitudinal central plane and is provided with at least one longitudinal rib (12) of rectangular cross-section and of constant height extending from one and the same part with respect to a base plane (14), and with two outer lateral webs (16) having their edge bent inwards and at least partly coplanar with the top (17) of said rib (12), characterized by consisting of a plurality of components (4, 6, 8, 10, 60, 62, 64, 66) all obtained from a single piece of said basic metal profile (2, 2'), said components comprising:

- a first component (4, 60) consisting of a piece of basic profile (2) bent to C-shape with the aperture facing upwards and defining a central portion (24), forming the lower base of each plinth (18) of the pallet, two lateral portions (26) forming the end closure of each plinth, and two upper portions (32) joined to said lateral portions (26) and disposed parallel to said central portion (24), to form the end portions of the upper base of each plinth (18),
- a second component (6, 62) consisting of a piece of the same basic profile (2) bent to inverted U-shape, with a central portion (30) forming part of the upper base of the plinth (18) and with two lateral portions (28) disposed perpendicular to said central portion (30) and snap-connected by its free end to the central portion (24) of said first component (4, 60),
- a further component (8, 64, 68) formed from a piece of the same basic profile (2), and constituting a crosspiece for connecting together said plinths (18) and which, depending on the pallet configuration and to the position of said further pallet component (8, 64, 68), is snap-connected:

- to the central portion (30) of at least a second component (6, 62) connected to the first component (4, 60) of each plinth (18) and/or
- to the central portion (30) of at least a second component (6, 62) connected to the first component (4, 60) and also to an upper portion (32) of said first component (4, 60) of each plinth (18).

2. A pallet as claimed in claim 1, characterised in that said further component comprises a third component (8, 64) formed from a piece of basic profile (2) bent to inverted U-shape to constitute a crosspiece for connecting together said plinths (18) and comprising a central portion (34) forming part of the pallet loading platform (20) and connected simultaneously, depending on the pallet configuration and on the position of said third pallet component (8), to the central portion (30) of two second components (6, 62) or to the central portion (30) of one of the two second components (6, 62) and to a terminal portion (32) of the first component (4, 60), and also comprising two lateral portions (36) connected by its free end to the central portion (24) of the first component (4, 60) which pertains to the outer plinths (18).

3. A pallet as claimed in one or more of the preceding claims, characterised in that said further component comprises a fourth component (10, 66) formed from a rectilinear piece of said basic profile (2), and connected to the central portion (30) of the second components (6, 62) which pertain to each plinth (18).

4. A pallet as claimed in claim 3, characterised in that the pallet platform (20) is formed from said fourth components (10, 66) and from the central portion (34) of said third components (8, 64).

5. A pallet as claimed in claims 3 or 4, characterised in that the pallet platform (20) is formed only from said fourth components (10, 66).

6. A pallet as claimed in one or more of the claims 3-5, characterised in that said fourth components (10, 66) define the connection crosspieces of the lower base of the plinths (18).

7. A pallet as claimed in one or more of the preceding claims, characterised in that the outer lateral webs (16) of the basic profile (2') comprise a wall parallel to the lateral walls (22) of said at least one rib (12), an edge securely connected to the top (17) of the rib (12), and an inclined intermediate band (54) connecting said parallel wall to said edge.

8. A pallet as claimed in one or more of the claims 2-7, characterised in that in those zones in which the profile is bent at 90°, the pieces of profile (2) which form said first, second and third component (4, 6, 8, 60, 62, 64) comprise first apertures (38) provided to facilitate bending.

9. A pallet as claimed in claim 8, characterised in that said first apertures (38) comprise a rectangular portion provided in the top (17) of said web (12) and in said outer lateral webs (16), and a substantially isosceles triangular-shaped portion provided in the lateral walls (19, 22) of said rib (12) and in the outer lateral webs (16) and defined by edges (42) inclined at 45° to the base plane (14) of the profile (2), the vertex of said isosceles triangle being positioned in said base plane (14) and further characterised in that the two inclined edges (42) of each aperture (38) comprise at least one projection and at least one complementary recess.

10. A pallet as claimed in one or more of the preceding claims, characterised in that the pieces of profile (2) which define said components (4, 6, 8, 10, 60, 62, 64, 66) all present second apertures (46) intended to enable insertion-engagement or snap-engagement between the portions of the various components, in order to form a stable mutual connection between them.

11. A pallet as claimed in claim 10, characterised in that said second apertures (46) comprise apertures at the top (17) of said at least one rib (12) of the profile (2) itself, part of the vertical walls (22, 19) defining said at least one rib (12) and part of the outer lateral webs (16).

12. A pallet as claimed in one or more of the claims 2-11, characterised in that the connection between the free end of each lateral portion (36) of each third component (8) and the central portion (24) of each first component (4) is obtained by inserting a shaped portion of said end between the outer lateral band (16) and the rib (12) of said central portion.

13. A pallet as claimed in one or more of the claims 2-12, characterised in that the connection between the central portion (34) of each third component (8) and the central portion (30) of each second component (6), and between the central portion (34) of each third component (8) and the terminal portion (32) of each first component (4), is obtained in portions of ribs (12) provided in said central portion of said third component (8) by partial removal of adjacent portions of the rib itself, and in second complementary apertures (46) formed in the rib (12) of the central portion (30) of said second component (6) and of the terminal portion (32) of said first component (4) and further characterised in that the connection between each fourth component (10) and the central portion (24) of each first component (4) and/or the central portion (30) of each second component (6) is obtained in portions of ribs (12), provided in said fourth component (10) by partial removal of adjacent portions of the rib itself, and of corresponding second complementary apertures (46) formed in the rib (12) of the central portion (24) of said first component (4) and/of the central portion (30) of said second component (6).

14. A pallet as claimed in one or more of the claims 10-13, characterised in that said second apertures (46) are provided on at least one side with at least one elastic vane (48) for irreversible snap-connection.

15. A pallet as claimed in one or more of the preceding claims, characterised in that the basic profile (2) comprises two ribs (12) between which a central band (15) is interposed, coplanar with said base plane (14).

16. A pallet as claimed in one or more of the preceding claims, characterised in that said first component (60) also comprises two vertical terminal portions (68) which extend downwards from said upper horizontal portions (32).

17. A pallet as claimed in one or more of the preceding claims, characterised in that said first component (60) comprises first slits (70) provided in the top (17) of the ribs (12) of the profile (2) for the snap-engagement of first tabs (72), which extend from the ends of the lateral portions (28) of the second components (62) and further characterised in that said first component (60) comprises second slits (74) provided in the respective inclined intermediate bands (54) of the profile (2'), for the insertion-engagement of second tabs (76) which extend from the ends of the lateral portions (28) of the second components (62).

18. A pallet as claimed in one or more of the preceding claims, characterised in that said first component (60) comprises shaped projecting zones (78) intended to enter, and to engage in, the interior of shaped windows (82) defined in said second component (62).

19. A pallet as claimed in one or more of the preceding claims, characterised by further comprising an upper structure (110) configured such as to define a cage for containing goods positioned on the pallet loading platform and further characterised in that the components of said upper structure (110) for containing goods are all obtained from said single type of basic metal profile (2, 2').

20. A pallet as claimed in claim 19, characterised in that said structure comprises:

- at least one fifth component (112) of inverted U-shape consisting of two vertical portions with an interposed horizontal portion intended to be parallel to one of the pallet plinths (18),
- at least one sixth component (114) of inverted U-shape consisting of two vertical portions with an interposed horizontal portion intended to be transverse to the pallet plinths (18).

21. A pallet as claimed in claim 20, characterised in that said structure further comprises at least one seventh C-shaped component (116) consisting of a central portion and two terminal portions bent to further stabilize the connection between said fifth components (112) and sixth components (114).

22. A pallet as claimed in claim 20 or 21, characterised by comprising at least one of the following configurations:

- the lower end of the vertical portions of the fifth components (112) connected to the lateral portions (26) of the first components (60),
- the lower end of the vertical portions of the sixth components (114) connected to the lateral portions (36) of the third components (64),
- the end portions of the central portion of the fifth components (112) connected to the corresponding end portions of the central portion of the sixth components (114),
- the terminal portions of the seventh components (116) snap-connected to the upper end portion of the vertical portions of the sixth components (114),
- the end portions of the central portion of the seventh components (116) snap-connected to the corresponding upper end portions of the vertical portions of the fifth components (112).

23. A pallet as claimed in one or more of the claims 20-22, characterised in that said first components (60) comprise four vertically aligned

apertures (118), in which corresponding also vertically aligned protuberances (120) provided in said fifth components (112) insertion-engage and further characterised in that said third components (64) comprise four vertically aligned apertures (118), in which corresponding also vertically aligned protuberances (120) defined in said sixth components (114) insertion-engage.

24. A pallet as claimed in one or more of the claims 19-23, characterised in that at least one of said components (112, 114, 116) of said structure (110) for containing goods presents said second apertures (46) provided with a projecting tooth (98) and with at least one tab (100) intended to engage in corresponding third apertures (96, 102) defined in at least one further component (112, 114, 116) of said components of said structure (110).

25. A pallet as claimed in one or more of the preceding claims, characterised in that said components (4, 6, 8, 10, 60, 62, 64, 66, 112, 114, 116) are made from micro-perforated sheet metal.