Claims

1. A transport and storage system for metal coils for receiving cylindrical sheet metal coils, in particular horizontally oriented ones, wherein at least one module (12, 20) is present, which is formed from a stack of corrugated cardboard, wherein the liners (1, 4, 6) of the corrugated cardboard layers are oriented so that they extend substantially perpendicularly to a receiving surface (18, 24) of the module (12, 20), characterized in that the receiving surface (18) of the module (12) is embodied as concave or extends in an elliptical curve and is embodied to produce a full-surface contact with part of a circumferential wall (11) of a coil (8).

2. The transport and storage system according to claim 1, characterized in that the module (12, 20) or modules (12, 20) is/are embodied to extend in total over a length of more than 20%, in particular more than 30%, especially preferably more than 40% of the coil width.

3. The transport and storage system according to one of the preceding claims, characterized in that similarly shaped modules (12, 20) are positioned symmetrically opposite from one another on both sides of the coil (8) with respect to a vertical plane extending through the longitudinal axis of the coil.

4. The transport and storage system according to one of claims 1 to 3, characterized in that the receiving surface (24) of one or more modules (20) and possibly an additional module form(s) a two-point support for a coil.

5. The transport and storage system according to one of the preceding claims, characterized in that at least one cylindrical element (31) extends away from a receiving surface (18, 24), toward an outer surface, and through the module (12, 20, 25) and/or adjacent modules (12, 20, 25).

6. The transport and storage system according to one of the preceding claims, characterized in that the corrugated cardboard for forming the modules (12, 20), or the

stacks of corrugated cardboard, or the corrugated cardboard and the stacks formed therefrom are glued together in a waterproof manner.

7. The transport and storage system according to one of the preceding claims, characterized in that the material for the liners (1, 4, 6) of the corrugated cardboard is a kraft liner and/or the corrugated webs (2, 5) are made of semichemical pulp or bogus paper.

8. The transport and storage system according to one of the preceding claims, characterized in that the module (12, 20) has at least one hollow, chamber-like region (28).

9. The transport and storage system according to one of the preceding claims, characterized in that the module (12, 20) has multiple hollow regions (28) that form a web-like or truss-like supporting structure between them.

10. The transport and storage system according to one of the preceding claims, characterized in that the liners (1, 4, 6) and the corrugated layers are glued in a moisture-resistant and in particular waterproof manner.

11. The transport and storage system according to one of the preceding claims, characterized in that the corrugated cardboard layers are combined to form corrugated cardboard stacks which are glued together over their entire surface by means of the liners (1, 3, 6) so that an at least two-flute, in particular more than three-flute, preferably more than ten-flute, and even more preferably more than twenty-flute composite or stack is formed.

12. The transport and storage system according to one of the preceding claims, characterized in that the paper material forming the corrugated cardboard is equipped or bonded in a way that makes it moisture-resistant and/or fungicidal.

13. The transport and storage system according to one of the preceding claims, characterized in that in order to adjust the spacing between the modules (12, 20) and in

particular the spacing relative to a container wall (15), narrow cuboid modules (25) are positioned between the leg (22) and a container wall (15).

14. The transport and storage system according to one of the preceding claims, characterized in that the modules (12) are braced directly or indirectly against a container wall (15) with a first flat, upright leg (13) and the module (12) stands directly or indirectly on a container floor (16) with a leg (14) extending at right angles thereto, wherein the base (17) of the module (12) is embodied with the concave or elliptically curved cylinder-segment-shaped receiving surface (18), which is embodied to rest against a circumferential wall (11) of a coil, wherein the radius of the concave, curved receiving surface (18) corresponds to the outer radius of a coil (8), or the elliptical curvature of the receiving surface (18) deviates by at most 50 mm, in particular at most 10 mm, from the outer radius of the coil (8), whereby in the case of an elliptical curvature of the receiving surface (18), the gap between the receiving surface (18) and the coil circumferential wall is filled with wedge-like fitting pieces (33) or reusable rubber elements, in particular anti-slip mats (33), that are adapted to the elliptical surface on the one side and to the coil radius on the other.

15. The transport and storage system according to one of the preceding claims, characterized in that the modules (12) are spaced apart from one another in the region of the longitudinal center (19) of the coil (8), in particular spaced apart by 1 mm to 100 mm, preferably 5 mm to 50 mm, wherein each receiving surface (18) supports a partial circumference of the circumferential wall (11) of the coil and the height (H) of the modules (12) is selected so that more than one third and in particular more than half of the coil diameter is supported, whereby pieces (19) cut out of modules (12, 20) are positioned to secure the load and space the modules (12) or coils (8) apart from one another.