Patent Claims

1. An assembly (1) formed from at least two wall elements (2, 6), in which assembly the wall elements (2, 6) have vertically and horizontally arranged reinforcement elements (10, 11) and the wall elements (2, 6) are either movably connected to one another or are separate and can be moved into a space-saving arrangement within a common region (14), wherein, in said arrangement, and in a first embodiment, either the vertical reinforcement elements (10) of the wall element (6) are situated in at least one intermediate space (12) formed by vertical reinforcement elements (10) of the wall element (2), **or** wherein, in a second embodiment, the horizontal reinforcement elements (11) of the wall element (6) are situated in at least one intermediate space (13) formed by horizontal reinforcement elements (11) of the wall element, **characterized** in that, in the space-saving arrangement and within the common region (14), in the first embodiment, the horizontally running reinforcement elements (11) of the at least one wall element (6) are simultaneously also situated entirely or partially in intermediate spaces (13) formed on the wall element (2) by horizontal reinforcement elements (11), **or** in that, in the second embodiment, the vertically arranged reinforcement elements (10) of the at least one wall element (6) are simultaneously also situated entirely or partially in intermediate spaces (12) formed on the wall element (2) by vertical reinforcement elements (10), and in that, in both embodiments, the intermediate spaces (12, 13) are arranged offset as viewed along the thickness thereof.

2. An assembly (1) in the form of a foldable child seat flap (1) for a shopping cart (21) that can be stacked with identical carts, having a rear wall (2) which is designed for closing off the rear opening of

the basket (23) of the shopping cart (21) and which is pivotable about a horizontal axis (3) and which forms a relatively large wall element (2), having a backrest (6) which is mounted on the rear wall (2), in the lower region thereof, by means of bearings (20) so as to be movable about a horizontal axle (7) and which forms a relatively small wall element (6), and having a seat (18) which is movably connected to the rear wall (2) and to the backrest (6), wherein the rear wall (2) and the backrest (6) have, for the areal form thereof, a number of vertically and a number of horizontally arranged reinforcement elements (10, 11, etc.) and the rear wall (2) and the backrest (6) can be moved into a space-saving arrangement within a common region (14), wherein, in said arrangement, and in a first embodiment, either the vertical reinforcement elements (10) of the backrest (6) are situated in at least one intermediate space (12) formed by vertical reinforcement elements (10) of the rear wall (2), **or** wherein, in a second embodiment, the horizontal reinforcement elements (11) of the backrest (6) are situated in at least one intermediate space formed by horizontal reinforcement elements (11) of the rear wall (2), **characterized** in that, in the space-saving arrangement of the child seat flap (1) and within the common region (14), in the first embodiment, the horizontally running reinforcement elements (11) of the backrest (6) are simultaneously also situated entirely or partially in intermediate spaces (13) formed on the rear wall (2) by horizontal reinforcement elements (11), **or** in that, in the second embodiment, the vertically arranged reinforcement elements (10) of the rear wall (6) are simultaneously also situated entirely or partially in intermediate spaces (12) formed on the rear wall (2) by vertical reinforcement elements (10), and in that, in both embodiments, the intermediate spaces (12, 13) are arranged offset as viewed along the thickness thereof.

3. The assembly as claimed in claim 2, characterized either in that, at the lower portion (4a) of the frame (4), the reinforcement elements (10) are cranked by the material thickness of the frame (4), or in that the lower portion (4a) of the frame (4) is correspondingly cranked in the opposite direction.

4. The assembly as claimed in claim 2, characterized in that the clear spacing between those two reinforcement elements (10b) of the backrest (6) which engage behind the seat (18) is greater than the length of that reinforcement element (11c) of the rear wall (2) which is designed as an axle for the seat (18).

5. The assembly as claimed in claim 2, characterized in that the thickness of the two bearings (20) is no greater than the sum of the thickness of the reinforcement element (11a) on which the backrest (6) is mounted and the thickness of the thickest reinforcement element (10) which is connected to the reinforcement element (11a).

6. The assembly as claimed in claim 2, characterized in that the reinforcement elements (10, 11, etc.) of the rear wall (2) and the reinforcement elements (10, 11, etc.) of the backrest (6) are arranged in an offset manner.

7. The assembly as claimed in claim 2, characterized in that, in the space-saving arrangement of the rear wall (2) and backrest (6), the seat (18) is situated within intermediate spaces (12 and/or 13).

8. The assembly as claimed in claim 2, characterized in that, at the locations at which the bearings (20) are provided, the reinforcement element (11a) is

cranked in the direction of the reinforcement elements (10).

9. The assembly as claimed in claim 1, characterized in that it is equipped with connecting means designed for connecting the assembly (1) to at least one further assembly (1).

10. The assembly as claimed in claim 1 or 2, characterized in that, on at least one of the wall elements (2 and/or 6), there are provided functional parts such as stop parts, shock absorbers, type plates, eyelets, hooks, hook-on parts, connecting elements, bearing parts, etc. which, in the space-saving arrangement of the wall elements (2, 6), are situated in at least one of the intermediate spaces (12, 13).

CLAIMS:

1. An assembly comprising:

a first and a second wall element, in which the wall elements are either movably connected to one another or are presently separate and can be transposed from a non-space-saving arrangement into a space-saving arrangement, the first wall element including first vertical reinforcement elements connected crosswise with first horizontal reinforcement elements, the second wall element including second vertical reinforcement elements connected crosswise with second horizontal reinforcement elements,

each vertical reinforcement element is crosswise connected with at least two horizontal reinforcement elements and each horizontal reinforcement element is crosswise connected with at least two vertical reinforcement elements,

the first vertical reinforcement elements form at least one first interspace therebetween, the at least one first interspace having a thickness defined by and equal to a thickness of a first cross section of one of the first vertical reinforcement elements, the first cross section being perpendicular to a longitudinal axis of the one of the first vertical reinforcement elements,

the first horizontal reinforcement elements form at least one second interspace therebetween, the at least one second interspace having a thickness defined by and equal to a thickness of a second cross section of one of the first horizontal reinforcement elements, the second cross section being perpendicular to a longitudinal axis of the one of the first horizontal reinforcement elements,

wherein, in the space-saving arrangement and within a common region, each of the second vertical reinforcement elements is at least partially disposed in the at least one first interspace and each of the second horizontal reinforcement elements is at least partially disposed in the at least one second interspace.

2. The assembly according to claim 1, wherein at least one of the second vertical reinforcement elements includes a hinge portion engaging one of the first horizontal reinforcement elements, the linearly extending portion extending from the hinge portion.

3. The assembly according to claim 1, wherein the linear portion spans at least an entire distance between two adjacent first horizontal reinforcement elements.

4. The assembly according to claim 1, wherein the first and second vertical reinforcement elements and the first and second horizontal reinforcement elements have different lengths.

5. The assembly according to claim 1, wherein at least one of the first horizontal reinforcement elements of the first wall element is intended for movable placement of a seat, from two ends of which the first interspace follows, that one of the second horizontal reinforcement elements provided for further support of the seat is disposed on the second wall element and two second vertical reinforcement elements are provided on the second horizontal reinforcement element, intended for lateral delimitation of the seat, and that in the space-saving arrangement, the second vertical reinforcement elements are located in the second interspace that follows the first horizontal reinforcement elements.

6. The assembly according to claim 5, wherein the clear distance between the two vertical reinforcement elements is greater than the length of the horizontal reinforcement element.

7. The assembly according to claim 5, wherein the seat is located within first interspaces and/or second interspaces in the space-saving arrangement of the wall elements.

8. The assembly according to claim 1, wherein at least one of a stop part, a shock absorber, an identification plate, an eye, a hook, a suspension part, a connection part, and a bearing part are provided on at least one of the wall elements and located in at least one of the first and second interspaces in the space-saving arrangement of the wall elements.