

Claims

1. A board structure for an ice-hockey rink, comprising interconnectable board elements (102) having an upper edge (104), transparent shielding panels (101) located above the board elements and having an upper edge, as well as support posts (100) for connecting the shielding panels to the board elements, which support posts have an upper end, the distance between the upper end of the support post and the upper edge of the board element being substantially shorter than the distance between the upper edge of the shielding panel and the upper edge of the board element and at the upper end of the support post, an upper insert (107) is arranged, having a support face (503) to be set against the shielding panel, the width of the upper insert being substantially greater than the width of the support post, **characterized** in that, the support post (100) comprises a hollow first part (105; 301) and that the upper insert (107) of the support post is arranged to be fitted into the upper end (106; 306) of the first part (105; 301) of the support post (100) so, that part of the upper insert is inside the first part of the support post and the support face (503) of the upper insert is lying against the outer face of the shielding panel (101).
2. A board structure for an ice-hockey rink as defined in Claim 1, **characterized** in that the first part (105; 301) of the support post (100) is arranged on the outside of the shielding panel (101) and the support post (100) further comprises a second part (302) to be arranged on the rink side of the shielding panel, which first and second parts are arranged to be removably fastened together by fasteners, the vertical edges of the adjacent shielding panels thus being placed between the first part and the second part.
3. A board structure for an ice-hockey rink as defined in Claim 1, **characterized** in that the second part (302) is lath-like.
4. A board structure for an ice-hockey rink as defined in Claim 1, **characterized** in that the upper edge (104) of the board element (102) comprises one or more openings (112) capable of receiving the lower end (108) of the first part (105; 301) of the support post (100), support post guides (109) being arranged inside the board element, at said openings, for securing the lower end of the first part of the support post.
5. A board structure for an ice-hockey rink as defined in Claim 4, **characterized** in that the support post guide (109) is an elongated structure arranged to be located at least partly inside the first part (105; 301) of the support post (100) when the first

part of the support post is mounted in the opening (112) in the upper edge (104) of the board element (102).

6. A board structure for an ice-hockey rink as defined in any of Claims 4, **characterized** in that the board element (102) contains a horizontal upper support structure (115) having the support post guide (109) secured thereto.

7. A board structure for an ice-hockey rink as defined in any of Claims 4 or 5, **characterized** in that the upper end (405) of the support post guide (109) does not extend higher than to the level of the surface of the upper edge (104) of the board element (102).

8. A board structure for an ice-hockey rink as defined in any of Claims 2 to 7, **characterized** in that the fasteners fastening the first part (105; 301) and the second part (305) of the support post (100) to each other are arranged to be secured into place from the direction of the second part of the support post.

9. A board structure for an ice-hockey rink as defined in any of Claims 2 to 8, **characterized** in that the support post (100) fasteners are rivet nuts and provided on the first part (302) of the support post.

10. A board structure for an ice-hockey rink as defined in Claim 1, **characterized** in that the upper edge (104) of the board element (102) also comprises at least one or more shielding panel support guides (110), the side thereof facing the rink being a support face to be set against the surface of the shielding panel (101).

11. A board structure for an ice-hockey rink as defined in any of Claims 1 to 10, **characterized** in that the upper insert (107) of the support post and the shielding panel support guide (110) at least partly are made from a transparent material.

12. A board structure for an ice-hockey rink as defined in any of Claims 1 to 11, **characterized** in that the shielding panel (101) is made from polycarbonate.

13. A board structure for an ice-hockey rink as defined in any of Claims 1 to 12, **characterized** in that the support post (100) is made from aluminum.