

Claim

1. An edge wear protector system adapted to be attached to a plate of a bucket, the edge wear protector system comprising:
 - a first side member comprising a proximal end and a distal end opposite the proximal end, the first side member adapted to be attached to one side of the plate;
 - a second side member comprising a near end and a far end opposite the near end, the second side member adapted to be attached to another side of the plate, the another side of the plate being opposite the one side of the plate;
 - an end member adapted to be attached to an edge of the plate, the edge of the plate extends from the one side to the another side of the plate;
 - wherein the first side member is attachable to the end member via its proximal end and the second side member is attachable to the end member via the near end.
2. The edge wear protector system of claim 1, wherein the end member comprises an access hole extending through the end member, wherein the access hole is adapted to be connected to at least one of the first side member and the second side member.
3. The edge wear protector system of claim 1 or 2, wherein the end member comprises a front side and a rear side behind the front side, wherein the first side member is attachable to the rear side of the end member via its proximal end and the second side member is attachable to the rear side of the end member via the near end.
4. The edge wear protector system of claim 3, wherein the end member comprises a protruding front side.
5. The edge wear protection system of claim 3 or 4, wherein the front side comprises an outwardly protruding wedge.
6. The edge wear protection system of any one of claims 1 to 5, wherein the end member comprises an upper layer and a lower layer adapted to be connected to the plate, wherein the upper layer is made from a material harder than that of the lower layer.

7. The edge wear protection system of any one of claims 1 to 6, wherein the first side member comprises an access hole extending through the first side member.
8. The edge wear protection system of any one of claims 1 to 7, wherein the first side member comprises an attaching side adapted to contact the plate when the first plate is attached to the plate, the attaching side comprises a plug duct adapted to receive a plug weld therein.
9. The edge wear protection system of claim 8, wherein the first side member comprises a connecting side adapted to contact the end member, wherein the plug duct is disposed along an intersection between the attaching side and the connecting side of the first side member.
10. The edge wear protection system of any one of claims 1 to 9, wherein the first side member comprises an outer layer and an inner layer adapted to be connected to the plate, wherein the outer layer is made from a material harder than that of the inner layer.
11. The edge wear protector system of any one of claims 1 to 10, wherein second side member comprises an access hole extending through the second side member.
12. The edge wear protector system of any one of claims 1 to 11, wherein the second side member comprises an attaching side adapted to contact the plate when the first plate is attached to the plate, the attaching side comprises a plug duct adapted to receive a plug weld therein.
13. The edge wear protection system of claim 12, wherein the second side member comprises a connecting side adapted to contact the end member, wherein the plug duct is disposed along an intersection between the attaching side and the connecting side of the second side member.
14. The edge wear protection system of any one of claims 1 to 13, wherein the first side member comprises an outer layer and an inner layer adapted to be connected to the plate, wherein the outer layer is made from a material harder than that of the inner layer.

15. The edge wear protector system of any one of claims 1 to 14, further comprising a filler member adapted to be attached to the plate, the filler member adapted support at least one of the first side member and the end member.
16. The edge wear protector system of claim 15, wherein the filler member is adapted to be connected to at least one of the first side member and the end member.
17. The edge wear protector system of claim 15 or 16, wherein the filler member comprises a through hole.
18. The edge wear protector system of any one of claims 15 to 17, wherein the filler member comprises a first attaching surface adapted to contact the plate and a connecting surface adapted to face the end member, wherein the filler member comprises a first plug chamfer disposed along an intersection between the first attaching surface and the connecting surface, the first plug chamfer adapted to receive a plug weld.
19. The edge wear protector system of any one of claims 15 to 17, wherein the filler member comprises a second attaching surface adapted to face the first side member and a connecting surface adapted to face the end member, wherein the filler member comprises a second plug chamfer disposed along an intersection between the second attaching surface and the connecting surface, the second plug chamfer adapted to receive a plug weld.
20. The edge wear protector system of any one of claims 15 to 19, wherein the end member comprises an access hole extending through the end member, wherein the access hole is adapted to be connected to at least one of the first side member, the second plate and the filler member.