Claims

1. A barrier system, said barrier system including first and at least second barrier elements, at least a portion of the first and second barrier elements having a hollow interior, and barrier connection apparatus for releasably connecting an end of the first barrier element to an end of the at least second barrier element in use, said barrier connection apparatus having connection means provided on or associated with the same which are arranged to allow detachable attachment to each of the first and at least second barrier elements in use, characterised in that the hollow interior portion of each barrier element is provided adjacent an end of the barrier element and has an opening at a top and end of each barrier member to allow receipt of at least part of the barrier connection apparatus in use, and wherein the barrier connection apparatus is arranged and dimensioned so that at least a part of the barrier connection apparatus is insertable into the hollow interior portions of the first and second barrier elements in use in order to releasably connect the first and at least second barrier elements together, the barrier elements and the barrier connection apparatus arranged such that removal and/or insertion of the barrier connection apparatus with the barrier elements is in a direction transverse or perpendicular to a longitudinal axis of the barrier elements.

2. The barrier system according to claim 1 wherein the barrier connection apparatus is T-shaped or substantially T-shaped in form, comprising a first member with a second member protruding transverse or perpendicularly outwardly from the first member at a central location of the first member or at a location between the ends of the first member.

3. The barrier system according to claim 1 wherein the connection means of the barrier connection apparatus includes first connection means for connecting a first part of the end of the first barrier element and a first part of the end of the second barrier element, and second connection means for connecting a second part of the end of the first barrier element and a second part of the end of the second barrier element, the first and second connection means being provided a spaced distance apart in an axis perpendicular or transverse to a longitudinal axis of the barrier elements.

4. The barrier system according to claim 3 wherein the first and second connection means are provided a spaced distance apart in a direction parallel to the longitudinal axis of the barrier elements.

5. The barrier system according to claim 1 wherein each barrier element has attachment means for allowing detachable connection with the connection means provided on the barrier connection apparatus in use; and
wherein the connection means is in the form of one or more pins, bosses, screws, bolts, protruding members and/or tenons, or one or more recesses, channels, apertures, and/or blind holes which detachably connect with the attachment means in the form of the other of one or more pins, bosses, screws, bolts, protruding members and/or tenons, or one or more recesses, channels, apertures and/or blind holes.

6. The barrier system according to claim 1 wherein the barrier connection apparatus extends entirely or substantially entirely between a top of the barrier elements and a base of the barrier elements when connected to the barrier elements in use.

7. The barrier system according to claim 3 wherein the first connection means includes a left first connection means for connecting the barrier connection apparatus to the first barrier element and a right first connection

means for connecting the barrier connection, the second connection means includes a left second connection means for connecting the barrier connection apparatus to the first barrier element and a right second connection means for connecting the barrier connection apparatus to the second barrier element.

8. The barrier system according to claim 2 wherein the second member includes an upper portion provided immediately adjacent the first member and a lower portion provided a distance apart from the first member, the lower portion being shorter in length than the upper portion so as to create a shoulder part between the upper and lower portions, said shoulder portion arranged to engage with one or more rib members provided in the interior of each of the barrier elements in use; or the second member is linear or substantially linear in form.

9. The barrier system according to claim 2 wherein one or more slots or apertures are defined in the first member to allow insertion of a tool and/or lifting equipment therein in use.

10. The barrier system according to claim 1 wherein the first and at least second barrier elements are identical or substantially identical in form.

11. The barrier system according to claim 2 wherein the first member of the barrier connection apparatus is arranged to be flush or substantially flush with a top of the barrier elements when the barrier connection apparatus is joined to the barrier elements in use; and/or the second member of the barrier connection apparatus is arranged to be located entirely or substantially entirely within the hollow portions of the barrier elements when connected to the barrier elements in use.

12. The barrier system according to claim 1 wherein anchor means are provided on or associated with a base of the barrier elements to allow the barrier elements to be anchored to a ground surface in use.

13. A barrier element for use with the barrier system according to claim 1.

14. Barrier connection apparatus for use with the barrier system according to claim 1.

15. A method of using a barrier system, said barrier system including first and at least second barrier elements, at least a portion of the first and second barrier elements having a hollow interior, said method including the steps of bringing an end of the first barrier element and an end of the second barrier element together, and releasably connecting the ends of the first and second barrier elements using barrier connection apparatus having connection means provided on or associated with the same, characterised in that the hollow interior portion of each barrier element is provided adjacent an end of the barrier element and has an opening at a top and end of each barrier element for receiving at least part of the barrier connection apparatus, and wherein the barrier connection apparatus is arranged and dimensioned so that at least a part of the barrier connection apparatus inserts into the hollow interior portions of the first and second barrier elements in order to releasably connect the first and at least second barrier elements together, the barrier elements and the barrier connection apparatus arranged such that removing and/or inserting of the barrier connection apparatus with the barrier elements is in a direction transverse or perpendicular to a longitudinal axis of the barrier elements.