CLAIMS

1. A bracing device comprising a rod comprising a first threaded portion having a first right-hand thread and a second threaded portion having a second left-hand thread, a first nut meshing with the first thread, a second nut meshing with the second thread, and at least first and second jaws each in slide joint connection with the first and second nuts.

2. The bracing device of claim 1, wherein the ratio of the height of each first and second jaw measured along the axis (D) of the rod, to the maximum transverse dimension, when the jaws are the closest to each other, is in the range from 2 to 10.

3. The bracing device of claim 1 or 2, wherein the rod comprises, at one end, a head intended to be actuated by a tool.

4. The bracing device of any of claims 1 to 3, wherein the first nut comprises first and second opposite sides inclined with respect to the axis (D) of the rod, the inclination angles of the first and second sides being opposite, wherein the second nut comprises third and fourth opposite sides inclined with respect to the axis of the rod, the inclination angles of the third and fourth sides being opposite, wherein the first jaw comprises first and second walls, the first side being capable of sliding on the first wall and the third side being capable of sliding on the second wall, and wherein the second jaw comprises third and fourth walls, the second side being capable of sliding on the third wall and the fourth side being capable of sliding on the fourth wall.

5. The bracing device of claim 4, comprising:

a first pin coupled to the first nut, at least one end of the first pin sliding in a first groove of the first jaw extending parallel to the first wall;

a second pin coupled to the first nut, at least one end of the second pin sliding in a second groove of the second jaw and extending parallel to the third wall;

a third pin coupled to the second nut, at least one end of the third pin sliding in a third groove of the first jaw and extending parallel to the second wall; and

a fourth pin coupled to the second nut, at least one end of the fourth pin sliding in a fourth groove of the second jaw and extending parallel to the fourth wall.

6. The bracing device of any of claims 1 to 5, comprising at least one pin, having an axis perpendicular to the axis (D) of the rod, affixed to the first jaw or to the second jaw, the rod comprising a recess between the first threaded portion and the second threaded portion, the pin being tangent to the rod in the recess.

7. The bracing device of any of claims 1 to 6, comprising at least one stop between the first and second nuts.

8. The bracing device of any of claims 1 to 7, comprising a resilient element surrounding the first and second jaws.

9. The bracing device of any of claims 1 to 8, wherein the first and second nuts are identical.

10. The bracing device of any of claims 1 to 9, wherein the pitch of the first right-and thread is different from the pitch of the second left-hand thread.

11. A method of bracing loads comprising the steps of:

arranging bracing devices of any of claims 1 to 10 between loads of a first layer of loads;

actuating the bracing devices to secure the loads; and

forming a second layer of loads on the first layer.