CLAIMS

1. A screwed frame for holding fitted elements, comprising a first external frame (2), a second external frame (4), at least one so-called first transverse strut (6) which is arranged between said external frame elements (2, 4), and

at least one bracing device (8) which has at least one so-called first bracing rod (40) and connects the first external frame element (2) with the second external frame element (4), wherein said bracing device (8) extends from said first external frame element (2) to said second external frame element (4) and braces said first transverse strut (6) between said external frame elements (2, 4), wherein the screwed frame (1) has at least one screwed frame extension device (10) braced between the first transverse strut (6) and the second external frame element (4), wherein said screwed frame extension device has an internal frame element (12) and at least one second transverse strut (14) and extends the width of the screwed frame (1), and the bracing device (8) has at least one bracing rod lengthening device (52) which comprises a second bracing rod (110) and a sleeve (50) by means of which the second bracing rod (110) is connected to the first bracing rod (40) and/or to a further bracing rod, wherein the length of the first transverse strut (6) corresponds to the length of the first bracing rod (40) and the length of the second bracing rod (110) corresponds to the length of the second transverse strut in such a manner that the sleeve (50) is arranged in the region of the internal frame element (12),

characterized in that

the bracing device has a first nut (44) in the region of the first external frame element (2) and a second nut in the region of the second external frame element and can be braced by means of the first nut (44) as well as by means of the second nut.

2. The screwed frame according to claim 1,

characterized in that

on its two ends (42, 48), the first bracing rod (40) has external threads onto which said first nut (44) is screwed in the region of the first external frame element (2), wherein said first nut (44) exerts a tensile force on the first bracing rod (40) and a compressive force on the first transverse strut (6) and the screwed frame extension device (10).

3. The screwed frame according to claim 2,

characterized in that

on its two ends (108), the second bracing rod (110) has external threads and the sleeve (50) has at least one internal thread, wherein said second bracing rod (110) and/or the first bracing rod (40) or, respectively, a further bracing rod are/is screwed into the sleeve (50).

4. The screwed frame according to claim 2 or claim 3,

characterized in that

a second end (48) of the second bracing rod (110) is arranged in the region of the second external frame element (4) and has an external thread onto which the second nut is screwed, wherein said second nut exerts

a tensile force on the first bracing rod (40) and the bracing rod extension device (52) and exerts a compressive force on the first transverse strut (6) and the screwed frame extension device (10).

5. The screwed frame according to any one of the preceding claims,

characterized by

at least one cup (46) for reinforcement of an inner wall of the first or, respectively, second external frame element (2, 4) against the compressive force exerted by the first nut (44) or, respectively, second nut, wherein said cup (46) is welded into said first or, respectively, second external frame element (2, 4) and has a bottom which abuts at least partially against said first or, respectively, second external frame element (2, 4), which bottom has a hole through which the first or, respectively, second end (42, 108, 48) of the first or, respectively, second bracing rod (40, 110) is guided.

6. The screwed frame according to any one of the preceding claims,

characterized in that

the first and the second transverse struts (6, 14) have a hollow body through which the first and/or the second bracing rod (40, 110) is guided.

7. The screwed frame according to claim 6,

characterized in that

on each of its two ends, the first or, respectively, second transverse strut (6, 14) has one end cap (98, 100) with a hole through which the first or, respectively, second bracing rod (40, 110) is guided via the nut (44) or, respectively, sleeve (50).

8. The screwed frame according to any one of the preceding claims,

characterized by

an anti-rotation protection which counteracts a rotation of the first and/or second transverse strut (6, 14) with respect to the first or, respectively, second external frame element (2, 4) and/or, if applicable, the internal frame element (12).

9. The screwed frame according to any one of the preceding claims,

characterized in that

the first and the second bracing rod (40, 70, 72, 74, 76, 78, 80, 110) have a uniform, standardized length or in each case one of a plurality of standardized lengths.

10. The screwed frame according to any one of the preceding claims,

characterized in that

besides the first or, respectively, second transverse strut (6, 14), said screwed frame has at least one further first or, respectively, second transverse strut (16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38) and said first or, respectively, second transverse

struts (16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38) have a uniform, standardized length or in each case one of a plurality of standardized lengths.

11. The screwed frame according to any one of the preceding claims,

characterized by

at least one transverse connecting element (102, 104) which comprises the first or, respectively, second transverse strut (24, 36) and a further first or, respectively, second transverse strut (26, 38), wherein said first or, respectively, second transverse struts (24, 26; 36, 38) are fixed relative to one another and wherein said transverse connecting element (102, 104) is arranged and braced between the external frame elements (2, 4).

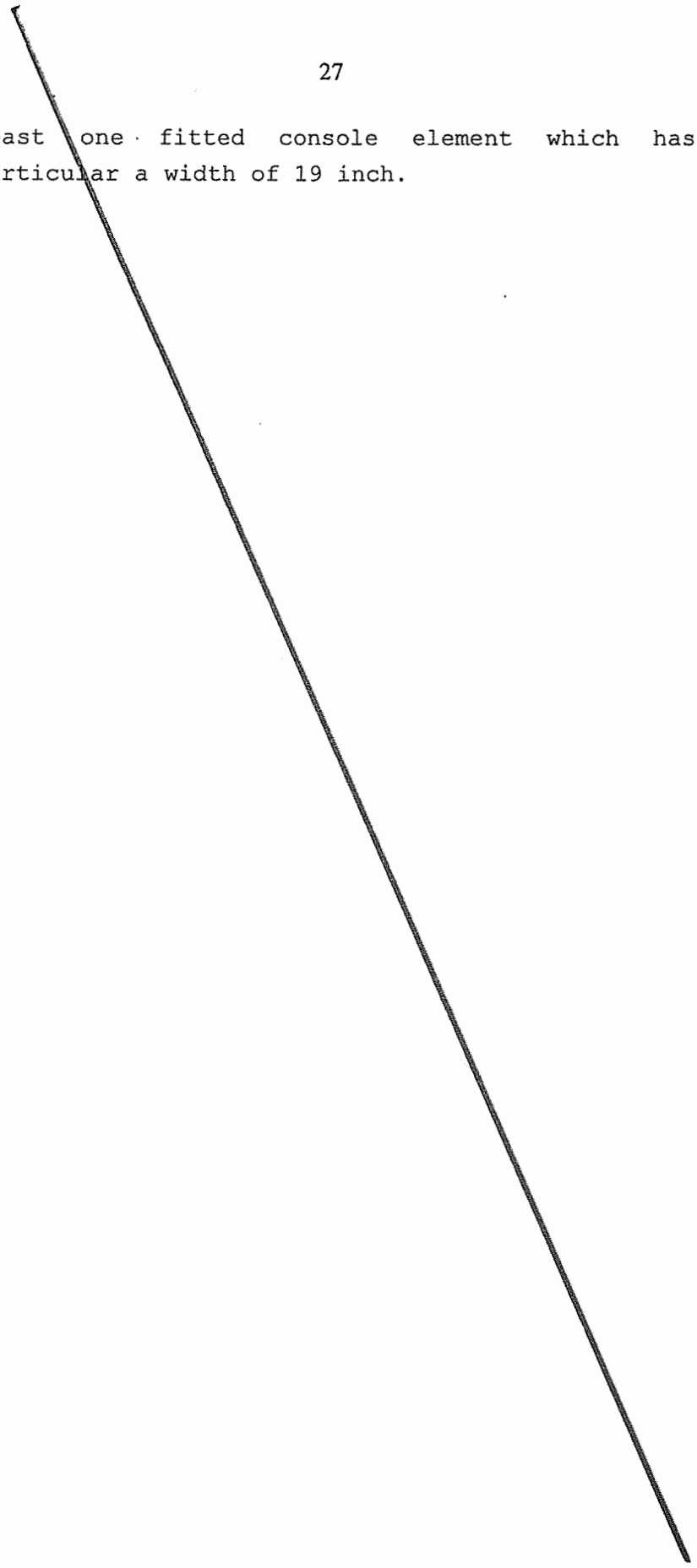
12. The screwed frame according to claim 11, characterized by damping means and/or at least one ventilator which are/is arranged on the transverse connecting element (102, 104).

13. The screwed frame according to any one of the preceding claims,

characterized by

a standardized distance which is in particular greater than 19 inch in width between the first and the second external frame element (2, 4) or, respectively, between the first or second external frame element (2, 4) and the internal frame element (12) or, respectively, between the internal frame element (12) and a further internal frame element for receiving at

least one fitted console element which has in particular a width of 19 inch.



CLAIMS

1. A screwed frame for holding fitted elements, comprising a first external frame, a second external frame, at least one so-called first transverse strut which is arranged between said external frame elements, and

at least one bracing device which has at least one so-called first bracing rod and connects the first external frame element with the second external frame element, wherein said bracing device extends from said first external frame element to said second external frame element and braces said first transverse strut between said external frame elements, wherein the screwed frame has at least one screwed frame extension device braced between the first transverse strut and the second external frame element, wherein said screwed frame extension device has an internal frame element and at least one second transverse strut and extends the width of the screwed frame, and the bracing device has at least one bracing rod lengthening device which comprises a second bracing rod and a sleeve by means of which the second bracing rod is connected to the first bracing rod and/or to a further bracing rod, wherein the length of the first transverse strut corresponds to the length of the first bracing rod and the length of the second bracing rod corresponds to the length of the second transverse strut in such a manner that the sleeve is arranged in the region of the internal frame element,

wherein

the bracing device is designed to be braceable by a first nut of the bracing device in the region of the first external frame element as well as by a second

nut of the bracing device in the region of the second external frame element for bracing the first transverse strut, the internal frame element and the second transverse strut in series between the first external frame element and the second external frame element with the same strength.

2. The screwed frame according to claim 1,

wherein

on its two ends, the first bracing rod has external threads onto which said first nut is screwed in the region of the first external frame element, wherein said first nut exerts a tensile force on the first bracing rod and a compressive force on the first transverse strut and the screwed frame extension device.

3. The screwed frame according to claim 2,

wherein

on its two ends, the second bracing rod has external threads and the sleeve has at least one internal thread, wherein said second bracing rod and/or the first bracing rod or, respectively, a further bracing rod are/is screwed into the sleeve.

4. The screwed frame according to claim 2 or claim 3,

wherein

a second end of the second bracing rod is arranged in the region of the second external frame element and has an external thread onto which the second nut is screwed, wherein said second nut exerts a tensile

force on the first bracing rod and the bracing rod extension device and exerts a compressive force on the first transverse strut and the screwed frame extension device.

5. The screwed frame according to any one of the preceding claims,

whereby

at least one cup for reinforcement of an inner wall of the first or, respectively, second external frame element against the compressive force exerted by the first nut or, respectively, second nut, wherein said cup is welded into said first or, respectively, second external frame element and has a bottom which abuts at least partially against said first or, respectively, second external frame element, which bottom has a hole through which the first or, respectively, second end of the first or, respectively, second bracing rod is guided.

6. The screwed frame according to any one of the preceding claims,

wherein

the first and the second transverse struts have a hollow body through which the first and/or the second bracing rod is guided.

7. The screwed frame according to claim 6,

wherein

on each of its two ends, the first or, respectively, second transverse strut has one end cap with a hole

through which the first or, respectively, second bracing rod is guided via the nut or, respectively, sleeve.

8. The screwed frame according to any one of the preceding claims,

whereby

an anti-rotation protection which counteracts a rotation of the first and/or second transverse strut with respect to the first or, respectively, second external frame element and/or, if applicable, the internal frame element.

9. The screwed frame according to any one of the preceding claims,

wherein

the first and the second bracing rod have a uniform, standardized length or in each case one of a plurality of standardized lengths.

10. The screwed frame according to any one of the preceding claims,

wherein

besides the first or, respectively, second transverse strut, said screwed frame has at least one further first or, respectively, second transverse strut and said first or, respectively, second transverse struts have a uniform, standardized length or in each case one of a plurality of standardized lengths.

11. The screwed frame according to any one of the preceding claims,

whereby

at least one transverse connecting element which comprises the first or, respectively, second transverse strut and a further first or, respectively, second transverse strut, wherein said first or, respectively, second transverse struts are fixed relative to one another and wherein said transverse connecting element is arranged and braced between the external frame elements.

12. The screwed frame according to claim 11, whereby damping means and/or at least one ventilator which are/is arranged on the transverse connecting element.

13. The screwed frame according to any one of the preceding claims,

whereby

a standardized distance which is in particular greater than 19 inches in width between the first and the second external frame element or, respectively, between the first or second external frame element and the internal frame element or, respectively, between the internal frame element and a further internal frame element for receiving at least one fitted console element which has in particular a width of 19 inches.

14. A screwed frame for holding fitted elements substantially as hereinbefore described with reference to the accompanying drawings.