Claims

1. A grating equipped with a handle comprising:

a grating including

a plurality of main bars each having a plurality of insertion holes at required intervals in a longitudinal direction, and disposed at required intervals in parallel to each other at the same height;

joint bolts that have rectangular sectional shapes long in one direction and are inserted in the insertion holes of the main bars in a state where the joint bolts are set so that their sectional shapes become vertically long so as not to rotate in periaxial directions;

spacers in which the joint bolts are inserted and which are disposed between the main bars; and

fixtures that are provided at one end or both ends of the joint bolts and fix the main bars to the joint bolts at required intervals; and

a grating handle which includes a knob portion that has a required length and a width wider than a width of a gap between the main bars of the grating to which the grating handle is attached, and can be placed on upper surfaces of the main bars so as to be fitted in the gap, and a stem portion that is formed

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in a direction perpendicular to a longitudinal direction of the knob portion at a required position on a lower surface portion of the knob portion, and includes a neck portion with a diameter smaller than the width of the gap between the main bars, and a latching portion formed at a required angle with the knob portion in a periaxial direction of the neck portion at a tip end of the neck portion and having a length longer than the width of the gap between the main bars and a width narrower than the width of the gap, and is attached to the grating by being inserted into a gap between the main bars from above in a state where a direction of the latching portion of the stem portion is matched with a direction of the gap, rotated in the periaxial direction of the neck portion in a state where the neck portion is set at a height of the gap to change the direction of the latching portion so that the length of the latching portion becomes longer than the width of the gap between the main bars in a width direction of the gap, and placed on upper surfaces of the main bars so that the knob portion is fitted in the gap and a movement in a rotating direction of the knob portion stops.

2. The grating equipped with a handle according to Claim 1 wherein

the knob portion is formed so that an upper surface of the knob portion and upper surfaces of the main bars are flush

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or substantially flush with each other when the knob portion is placed on the upper surfaces of the main bars.

3. A grating handle comprising:

a knob portion that has a required length and a width wider than a width of a gap between main bars of the grating to which the grating handle is attached, and can be placed on upper surfaces of the main bars so as to be fitted in the gap; and a stem portion that is formed in a direction perpendicular to a longitudinal direction of the knob portion at a required position on a lower surface portion of the knob portion, and includes a neck portion with a diameter smaller than the width of the gap between the main bars, and a latching portion formed at a required angle with the knob portion in a periaxial direction of the neck portion at a tip end of the neck portion and having a length longer than the width of the gap between the main bars and a width narrower than the width of the gap, and is attached to the grating by being inserted into a gap between the main bars from above in a state where a direction of the latching portion of the stem portion is matched with a direction of the gap, rotated in the periaxial direction of the neck portion in a state where the neck portion is set at a height of the gap to change the direction of the latching portion so that the length of the latching portion becomes longer than the width

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of the gap between the main bars in a width direction of the gap, and placed on upper surfaces of the main bars so that the knob portion is fitted in the gap and a movement in a rotating direction of the knob portion stops.

4. The grating equipped with a handle according to Claim 3 wherein

the knob portion is formed so that an upper surface of the knob portion and upper surfaces of the main bars are flush or substantially flush with each other when the knob portion is placed on the upper surfaces of the main bars.

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