Specifically, the guide shoe retainer 1 is fixed on the guide shoe holder 3a by pinching fixing work tabs 1b with fingers from outside and applying a force to deform them inward elastically so that the fixing work tabs 1b are deformed more inward than the inner dimension of the tips of the fixing projections 3a of the guide shoe holder 3, and by hooking the fixing holes 1a to the fixing projections 3a and releasing the fingers so that the guide shoe retainer 1 restores its original shape which it had before deformation.

[0025]

When the guide shoe retainers 1 are fixed properly as mentioned above, the guide shoe 2 is fixed vertically, left and right, and back and forth.

[0026]

Specifically, as shown in Figure 3, since the guide shoe retainer 1 is roughly U-shaped in a plan view, the bottom face of the U-shaped portion can contact the guide shoe 2 so that the guide shoe 2 is fixed on the guide shoe holder 3.

[0027]

In addition, as shown in Figure 3, since the guide shoe retainer 1 is roughly L-shaped in a side view, the pair of L-shaped pieces can contact the end faces of the guide shoe 2 on the guide rail 6 side so that the guide shoe 2 is fixed on the guide shoe holder 3.

[0038]

Also, the fixing projections 3a of the guide shoe holder 3 may be formed by welding or bonding a component on the projection.

Reference Signs List

1...guide shoe retainer,

1a...fixing hole,

1b...fixing work tab,

2...guide shoe,

3...guide shoe holder,

3a...fixing projection,

4...cage,

5...bolt,

6...guide rail,

7...bracket,

8...guide device

Specifically, the guide shoe retainer 1 is fixed on the guide shoe holder 3 by pinching fixing work tabs 1b with fingers from outside and applying a force to deform them inward elastically so that the fixing work tabs 1b are deformed more inward than the inner dimension of the tips of the fixing projections 3a of the guide shoe holder 3, and by hooking the fixing holes 1a to the fixing projections 3a and releasing the fingers so that the guide shoe retainer 1 restores its original shape which it had before deformation.

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When the guide shoe retainers 1 are fixed properly as mentioned above, the guide shoe 2 is fixed vertically, left and right, and back and forth.

[0026]

Specifically, as shown in Figure 3, since the guide shoe retainer 1 is roughly U-shaped in a plan view, the bottom face of the U-shaped portion can contact the guide shoe 2 so that the guide shoe 2 is fixed on the guide shoe holder 3.

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In addition, as shown in Figure 3, since the guide shoe retainer 1 is roughly L-shaped in a side view, the pair of L-shaped pieces can contact the end faces of the guide shoe 2 on the guide rail 6 side so that the guide shoe 2 is fixed on the guide shoe holder 3.

[0038]

Also, the fixing projections 3a of the guide shoe holder 3 may be formed by welding or bonding a component having a projection.

Reference Signs List

1...guide shoe retainer,

1a...fixing hole,

1b...fixing work tab,

2...guide shoe,

3...guide shoe holder,

3a...fixing projection,

4...cage,

5...bolt,

6...guide rail,

7...bracket,

8...guide device