# Shelf

The present invention relates to a shelf, comprising at least one vertically alignable longitudinal section, holding means attachable on the longitudinal section in any desired position and provided with clamping means, and, attachable on the holding means, bearing structures which are designed to bear shelf boards, cabinet elements or other shelf elements, which clamping means have clamping jaws, which are able to be tensioned with respect to one another via tensioning means, and the clamping jaws are pressable against clamping surfaces of the longitudinal section.

Shelves of this kind are known in diverse ways. Holding elements are held in a clamped way on longitudinal sections, which can be attached to a wall, for example, or are set up as room dividers in a free-standing way. Placed on these holding elements can be shelf boards, for example. The clamping action of these holding elements on the longitudinal sections has the advantage that these holding elements are able to be fixed in the longitudinal section in any desired position; the position is not predetermined, for example by means of a grid system in which the holding elements have to engage.

Often used as clamping means are clamping tabs or lugs, which are positioned around a corresponding part of the longitudinal section and are tensioned by means of screws. This design of the clamping means has the result that the clamping means need to be tensioned in an involved way. In many cases clamping means of this kind also do not fulfil the requirements in aesthetic respect.

Embodiments of the present invention seek to create a shelf in which the clamping means are constructed in a simple way, with which a great clamping force and thereby a secure holding of the shelf boards, cabinet elements or other shelf elements is able to be achieved, and which are simple to operate or handle.

According to an aspect of the present invention, there is provided a shelf, comprising at least one vertically alignable longitudinal section, holding means attachable on the longitudinal section in any desired position and provided with clamping means, and, attachable on the holding means, bearing structures which are designed to bear shelf boards, cabinet elements or other shelf elements, which clamping means have clamping jaws, which are able to be tensioned with respect to one another via tensioning means, and the clamping jaws are pressable against clamping surfaces of the longitudinal section, wherein the clamping means are composed of a first plate-shaped basic body and a second

plate-shaped basic body, on whose sides remote from one another the clamping jaws are installed, which plate-shaped basic bodies are disposed lying on top of one another and are displaceable toward one another in a guided way via guide means, and the clamping jaws are thereby able to be tensioned against lateral surfaces of the longitudinal section, and in that borne in a rotatable way in the first plate-shaped basic body is a rotational shaft or axis of an eccentric, and the eccentric body projects into a recess of the second plate-shaped basic body.

By means of this design according to an embodiment of the invention, the holding means are able to be placed in a simple way and in any position on the longitudinal section; through simple rotation of the eccentric, the two plate-shaped basic bodies, provided with clamping jaws, are displaced toward one another, whereby the clamping jaws are tensioned against the lateral surfaces of the longitudinal section. Via the eccentric, powerful clamping forces are able to be generated, whereby a secure holding of the holding means on the longitudinal section is ensured.

Preferably, the clamping jaws are formed by bends of the lateral regions remote from one another of the first plate-shaped basic body and of the second plate-shaped basic body. In particular when these plate-shaped basic bodies are made of metal, these bends can be achieved in an easy way by an edge bending step, which greatly simplifies the production.

Preferably, the longitudinal section has a base area, a surface area opposite the base area, and one first wedge surface each, worked into the lateral surfaces, and the clamping jaws are each provided with a second wedge surface corresponding to the first wedge surface. During tensioning of the clamping jaws, powerful clamping forces can thereby be achieved without great effort to tension the tensioning means; the holding means are thus fixed in the longitudinal section in a secure way. By putting the wedge surfaces on the lateral surfaces of the longitudinal section, the visible surface of the longitudinal section can be smoothly designed, which leads to an optically attractive aesthetic effect.

## Claims

1. Shelf, comprising at least one vertically alignable longitudinal section, holding means attachable on the longitudinal section in any desired position and provided with clamping means, and, attachable on the holding means, bearing structures which are designed to bear shelf boards, cabinet elements or other shelf elements, which clamping means have clamping jaws, which are able to be tensioned with respect to one another via tensioning means, and the clamping jaws are pressable against clamping surfaces of the longitudinal section, wherein the clamping means are composed of a first plate-shaped basic body and a second plate-shaped basic body, on whose sides remote from one another the clamping jaws are installed, which plate-shaped basic bodies are disposed lying on top of one another and are displaceable toward one another in a guided way via guide means, and the clamping jaws are thereby able to be tensioned against lateral surfaces of the longitudinal section, and in that borne in a rotatable way in the first plate-shaped basic body is a rotational shaft or axis of an eccentric, and the eccentric body projects into a recess of the second plate-shaped basic body.

2. Shelf according to claim 1, wherein the clamping jaws are formed by bends of the lateral regions remote from one another of the first plate-shaped basic body and of the second plate-shaped basic body.

3. Shelf according to claim 1 or 2, wherein the longitudinal section has a base area, a surface area opposite the base area, and one first wedge surface each, worked into the lateral surfaces, and in that the clamping jaws are each provided with a second wedge surface corresponding to the first wedge surface.

4. Shelf according to claim 3, wherein the longitudinal section is provided, in the surface area, with a longitudinally running,

groove-shaped recess, and in that the groove-shaped recess is able to be covered by a cover section.

5. Shelf according to one of the claims 1 to 4, wherein the guide means are composed of a pin, which is fixed in the first plate-shaped basic body, and which projects by a protruding region through a slot-shaped recess, which is provided in the second plate-shaped basic body, and is provided with a head.

6. Shelf according to one of the claims 1 to 5, wherein fixed to the first plate-shaped basic body is an adapter, to which are attachable the bearing structures for bearing shelf boards, cabinet elements or other shelf elements.

7. Shelf according to claim 6, wherein the adapter has a supporting plate with screw holes.

8. Shelf according to one of the claims 1 to 7, wherein insertable on the surface area of the first plate-shaped basic body turned toward the longitudinal section is a protective plate.

9. Shelf according to one of the claims 1 to 8, wherein cover elements are placeable on the holding means and/or the adapter.

10. Shelf in particular according to claim 1, wherein a cabinet element insertable in the longitudinal section is held in the longitudinal section by holding means and in that installed on the cabinet element are alignment means.

11. Shelf according to claim 10, wherein the alignment means consist of a base plate, which is fixable on the cabinet element , which base plate is provided with guide means, in which two clamping plates, provided with clamping jaws, are held in a

displaceable way, which clamping plates, after the clamping on the longitudinal section, are slidable and fixable.

12. Shelf according to claim 11, wherein the clamping takes place via an eccentric.