CLAIMS

1. A louver blade, comprising a body, wherein a drainage groove is arranged on one side of the body; the drainage groove comprises a groove wall located on an outer side of the body; and a baffle plate is further arranged on a top of the groove wall, wherein when the body is arranged horizontally, a top end of the groove wall is not higher than a top surface of the louver blade, and the baffle plate can switch between a natural state and a stressed state, wherein a top end of the baffle plate in the natural state is higher than the top end of the groove wall, and a height of the top end of the baffle plate can be reduced in the stressed state;

wherein the baffle plate is a hard baffle plate, and the hard baffle plate is hinged to the groove wall, wherein the hard baffle plate can rotate around a hinge position under the stressed state to reduce the height of the top end of the baffle plate; and the hard baffle plate can switch to the natural state when the louver blade rotates towards one side of the drainage groove.

2. The louver blade according to claim 1, wherein the hard baffle plate is arranged on the top end of the groove wall, and is hinged to the top end of the groove wall.

3. The louver blade according to claim 1, wherein the hard baffle plate can switch to the natural state under an action of gravity when the louver blade rotates towards one side of the drainage groove; or, a reset member is arranged between the hard baffle plate and the body, and the hard baffle plate can switch to the natural state under an action of the reset member.

4. The louver blade according to claim 1, wherein the baffle plate is a hard baffle plate; the hard baffle plate is connected to the drainage groove by a reset member; and the hard baffle plate can move in a height direction of the baffle plate to reduce the height of the top end of the baffle plate under the stressed state, wherein the reset member can drive the hard baffle plate to switch to the natural state.

5. The louver blade according to claim 4, wherein the hard baffle plate passes through the groove wall, and a bottom end of the hard baffle plate extends into the drainage groove and is connected to the drainage groove by the reset member.

6. The louver blade according to claim 1, wherein the top of the groove wall has a flange extending toward an interior of the drainage groove, and the baffle plate is arranged on the flange or adjacent to the flange.

7. The louver blade according to claim 6, wherein the flange is arranged horizontally or tends to warp upwardly towards a free end of the flange.

8. The louver blade according to claim 6, wherein a downwardly extending waterproof edge is arranged on the other side of the body relative to the drainage groove, and a bottom end of the waterproof edge is lower than the top end of the groove wall, wherein the waterproof edge of the louver blade can press the baffle plate of an adjacent louver blade and switch the baffle plate to the stressed state.

9. The louver blade according to claim 8, wherein a position of a lower surface of the body close to the waterproof edge and/or an upper surface of the flange is provided with a sealing strip.

10. The louver blade according to claim 9, wherein a lower surface of the body close to the waterproof edge is provided with a snapping groove, wherein the snapping groove extends along a length direction of the body, and the sealing strip is snapped into the snapping groove.

11. The louver blade according to claim 1, wherein the top end of the baffle plate in the natural state is higher than a same-side edge of the top surface of the louver blade.

12. The louver blade according to claim 11, wherein the top end of the baffle plate in the natural state is 1-50 mm higher than the same-side edge of the top surface of the louver blade.

13. The louver blade according to claim 1, wherein a top end surface of the baffle plate in the natural state is flush to a same-side edge of the top surface of the louver blade, or the top end of the baffle plate in the natural state is lower than the same-side edge of the top surface of the louver blade.

14. The louver blade according to claim 13, wherein the top end of the baffle plate in the natural state is 0-3mm lower than the same-side edge of the top surface of the louver blade.

15. The louver blade according to claim 1, wherein a tilt angle of the baffle plate in the natural state relative to the top surface of the louver blade is 45°-100°.

16. The louver blade according to claim 1, wherein the body is made of a metal sectional material, and has a section of a frame structure.

17. The louver blade according to claim 1 or 16, wherein a bottom of one side of the body extends outwardly to form a groove bottom; the groove bottom bends and extends upwardly to form the groove wall; the body, the groove bottom, and the groove wall form the drainage groove together; the drainage groove has a flow guide opening with an opening facing upward; and the flow guide opening is not higher than a top surface of the body.

18. The louver blade according to claim 1, wherein a maximum length of the baffle plate that can extend into the drainage groove in the stressed state is not larger than a width of a narrowest position in the drainage groove.

19. The louver blade according to claim 18, wherein the width of the narrowest position in the drainage groove is 20-100mm.

20. The louver blade according to claim 1, wherein the top end of the baffle plate in the natural state is 5-80mm higher than the top end of the groove wall.

21. The louver blade according to claim 1, wherein the baffle plate is arranged continuously or intermittently along a length direction of the body.

22. The louver blade according to claim 1, wherein a top surface of the body is a continuous surface, and the top surface of the louver blade is consisted of the continuous surface.

23. The louver blade according to claim 1, wherein a solar panel is further installed and arranged on the body, and the top surface of the louver blade is consisted of an upper surface of the solar panel.

24. The louver blade according to claim 23, wherein the body is provided with a holding groove for installing the solar panel, and the solar panel is snapped into the holding groove; or, the solar panel is detachably installed on the body by a fastener.

25. A louvered roof, comprising a shelter frame and a plurality of louver blades according to any one of claims 1 to 24, wherein two ends of the louver blade are rotationally connected within the shelter frame respectively, and the plurality of louver blades are distributed side by side on the shelter frame, wherein when the plurality of louver blades are in the closed state on the shelter frame, the other side of one of the louver blades relative to the drainage groove presses against the baffle plate of an adjacent louver blade, so that the baffle plate switches to the stressed state; and when the louver blades rotate to an open state, the baffle plates of the louver blades switch into the natural state.

26. The louvered roof according to claim 25, wherein a downwardly extending waterproof edge is arranged on the other side of the body of the louver blade relative to the drainage groove, wherein when the louver blade is arranged horizontally, a bottom end of the waterproof edge is lower than a top end of the groove wall; and when the plurality of louver blades are in a closed state, the waterproof edge of one of the louver blades is correspondingly inserted into the drainage groove of the adjacent louver blade.

27. The louvered roof according to claim 25, wherein the louvered roof further comprises a linkage mechanism, and the linkage mechanism comprises a linear telescopic rod and a linkage bar, wherein one ends of the plurality of louver blades are hinged to the linkage bar; one end of the linear telescopic rod is hinged to the shelter frame; and the other end is hinged to the linkage bar, so as to drive the plurality of louver blades to rotate around hinge points of the louver blades and the shelter frame after actuating the linkage bar to move.

28. The louvered roof according to claim 25, wherein a drainage channel is arranged below same ends of all the louver blades, and the drainage channel is provided with a water collecting opening towards the ends of the louver blades.

29. A viewing shelter, comprising columns and the louvered roof according to any one of claims 25 to 28, wherein the louvered roof is arranged on tops of the columns.