In the following the invention is described further by way of the accompanying schematic drawings, wherein shows:

Fig. 1 a perspective view of a cutting tooth according to the invention shown from a front angle;

Fig. 2 a perspective view of a cutting tooth according to the invention shown from a rear angle;

Fig. 3 a view of a cutting tooth according to the invention from the front;

Fig. 4 a view of a cutting tooth according to the invention from the rear;

Fig. 5 a view of a cutting tooth according to the invention from the top;

Fig. 6 a view of a cutting tooth according to the invention from the below; and

Fig. 7 a side view of a cutting tooth according to the invention.

Identical components are designated in all Figures with the same reference signs.

A cutting tooth 10 according to the invention comprises an upper side 14, an opposite lying underside 15, a front side 16 and an opposite lying rear side 17. The front side 16 is located in the front in the cutting direction 12, along which the cutting tooth 10 is moved during operation. The underside ~~16~~ extends in the direction of a cutting tooth holder, in which the cutting tooth 10 can be fixed. A longitudinal axis 11 of the cutting tooth 10 is defined by a direction of insertion into a cutting tooth holder and/or a direction lying perpendicularly to the cutting direction 12.

CLAIMS

1. Cutting tooth for working the soil having

   - a base area for arrangement in a cutting tooth holder and
   - a head area with at least one cutter for removing soil material,
   - wherein the head area has a plate-shaped cutting wing arrangement, the wings of which project laterally with respect to the base area,

   ~~wherein~~

   - the cutting wing arrangement has a V-shaped cutting edge, from the apex of which a central cutting edge which runs in a center area of the cutting tooth transversely to the cutting edge extends in the direction of the base area and
   - in that below the cutting wing arrangement and laterally of the central cutting edge a curved guide surface is designed for displacing soil material in the direction of the base area and into a lateral area.

2. Cutting tooth according to claim 1,
   wherein
   together with the base area the cutting wing arrangement forms a T-shape.

3. Cutting tooth according to claim 1,

   wherein
   the cutting edge has a linear-shaped design.

4. Cutting tooth according to claim 1,

   wherein
   the cutting edge has an arrow-shaped design.

In the following the invention is described further by way of the accompanying schematic drawings, wherein shows:

Fig. 1 a perspective view of a cutting tooth according to the invention shown from a front angle;

Fig. 2 a perspective view of a cutting tooth according to the invention shown from a rear angle;

Fig. 3 a view of a cutting tooth according to the invention from the front;

Fig. 4 a view of a cutting tooth according to the invention from the rear;

Fig. 5 a view of a cutting tooth according to the invention from the top;

Fig. 6 a view of a cutting tooth according to the invention from the below; and

Fig. 7 a side view of a cutting tooth according to the invention.

Identical components are designated in all Figures with the same reference signs.

A cutting tooth 10 according to the invention comprises an upper side 14, an opposite lying underside 15, a front side 16 and an opposite lying rear side 17. The front side 16 is located in the front in the cutting direction 12, along which the cutting tooth 10 is moved during operation. The underside 15 extends in the direction of a cutting tooth holder, in which the cutting tooth 10 can be fixed. A longitudinal axis 11 of the cutting tooth 10 is defined by a direction of insertion into a cutting tooth holder and/or a direction lying perpendicularly to the cutting direction 12.

CLAIMS

1. Cutting tooth for working the soil having

   - a base area for arrangement in a cutting tooth holder and
   - a head area with at least one cutter for removing soil material,
   - wherein the head area has a plate-shaped cutting wing arrangement, the wings of which project laterally with respect to the base area,

   characterized in that

   - the cutting wing arrangement has a V-shaped cutting edge, from the apex of which a central cutting edge which runs in a center area of the cutting tooth transversely to the cutting edge extends in the direction of the base area and
   - in that below the cutting wing arrangement and laterally of the central cutting edge a curved guide surface is designed for displacing soil material in the direction of the base area and into a lateral area.

2. Cutting tooth according to claim 1,
   wherein
   together with the base area the cutting wing arrangement forms a T-shape.

3. Cutting tooth according to claim 1,

   wherein
   the cutting edge has a linear-shaped design.

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