CLAIMS:

1. An impeller for a centrifugal pump having at least one vane which has a lower side concavely curved in at least one part region and which has at least one kink line in at least one part region, which kink line extends at least substantially along a main direction of extent of the at least one vane, wherein the vane is open in a V shape along the kink line in at least one part region in the direction of a surface normal of the lower side.

2. An impeller in accordance with claim 1, wherein the at least one vane has at the lower side an opening angle which is spanned by the kink line and which is less than 180° in at least one part region.

3. An impeller in accordance with claim 2, wherein the opening angle has in at least one part region a bisectrix which lies at least substantially in a plane oriented perpendicular to an axis of rotation.

4. An impeller in accordance with claim 3, wherein the bisectrix and the kink line span the plane oriented perpendicular to the axis of rotation.

5. An impeller in accordance with any one of the preceding claims, wherein the lower side of the vane has at least two part surfaces arranged on oppositely disposed sides of the kink line and which include a respective acute angle at the kink line with a plane perpendicular to an axis of rotation.

6. An impeller in accordance with claim 5, wherein the angles between the plane perpendicular to the axis of rotation and the part surfaces are each less than 80°.

7. An impeller in accordance with claim 5 or claim 6, wherein the part surfaces have an at least substantially planar design in the axial direction.

8. An impeller at least in accordance with claim 5, including two impeller disks which are laterally adjacent to the at least one vane and with which the part surfaces of the lower side of the vane include an obtuse angle in at least one part region.

9. An impeller in accordance with any one of the preceding claims, wherein the at least one vane has a symmetrical cross-section in at least one longitudinal sectional plane.

10. An impeller in accordance with any one of the preceding claims, wherein the at least one vane has a substantially constant thickness in at least one sectional plane.

11. An impeller in accordance with any one of the preceding claims, wherein the opening angle is at least 60° and at most 160°.

12. An impeller in accordance with any one of the preceding claims, including a centre wall arranged in the region of the kink line.

13. An impeller in accordance with any one of the preceding claims, the impeller being of one-pass design.

14. An impeller in accordance with any one of the claims 1 to 12, the impeller being of two-pass design.

15. A centrifugal pump having an impeller in accordance with any one of the preceding claims.