

99-0281

The invention refers to the wind-mills, which are used as power-generating set, actuating e.g. power generators.

The plant contains a vertical rotative shaft 2 with a pair of blades 5 and 6, forming in the horizontal plain a letter "S", a reduction gear 17 and an electric generator 18. Around the blades there are rigidly fixed two wheels 3 and 3' with drop-shaped hollow rims executed in the cross-section with the top oriented towards the wheel exterior side, the rims plane being partially filled in with frost resistant liquid.

The upper and lower part of the vertical shaft 2 are articulated by links 8 and 9 to a post 7, to which it is also articulated a deflector 10 of the air flow, provided with a driving shaft 12 and a deflector turning fixator 13.

The result consists in ensuring a more uniform rotation of the vertical shaft, independently on the rush, as well as in the more efficient utilization of the wind power.

