

The invention relates to agricultural engineering, namely to the design of compact universal units intended for performing agricultural work, in particular for tillage and cargo transportation, as well as mechanization of other economic processes.

The multifunctional agricultural two-wheel tractor includes an internal combustion engine and a gearbox, which are kinematically interconnected, a wheel drive mechanism, a power take-off shaft, a steering rack fixed in the upper part of the gearbox, on which are placed the speed switching mechanisms and differential lock, as well as steering handles with throttle and clutch controls. Additionally, it includes a trailer segment, made with the possibility of connecting the multifunctional agricultural two-wheel tractor with an adapter and formed by two identical elements made of sheet metal, connected through metal spacers of the same thickness. Wherein the specified elements are made with symmetrical coaxial holes and in the upper part of the trailer segment there is an upper sleeve for connecting the adapter drawbar with the possibility of twisting. Wherein the steering rack is made in the form of a vertical cylindrical tube, on the lower part of which a support-damping washer is strung close to the gearbox and the rods of the throttle and clutch control elements are passed through them, and a spring shock absorber of the support-rotating sleeve is installed on the support-damping washer, which is installed with the possibility of rotation around the lower part of the steering rack and has lower and upper lugs. Wherein the trailer segment is connected by a pin to the lower eye of the support-rotating sleeve with the ability to rotate the multifunctional agricultural two-wheel tractor by 360° in the horizontal plane relative to the axis of the steering column, as well as with the ability to tilt forward and backward in the vertical plane at an angle of at least 5° from the horizontal position.

The technical result consists in expanding the capabilities of the two-wheel tractor operator, as well as in facilitating and simplifying his work.