

The invention relates to the agricultural machines, in particular to the boom sprayers for chemical protection of plants, provided with devices for extension and fold of the boom lateral sections in the transport position parallel to the longitudinal axis of the machine.

The sprayer contains a frame with reservoir for solution, a boom consisting of a central section (8), lateral intermediate sections (9 and 10) and lateral marginal sections (11 and 12), a central hydraulic cylinder for displacement along the vertical of the central section, hydraulic cylinders (14) and leverage systems for extension and fold of the lateral sections.

Novelty consists in that the level (21) of the lateral intermediate section (10) is made two-arm: one arm (23) is placed on the forefront of the given section and articulated by means of a tie-rod (24) to the central section (8), and the second arm (26) is placed in the back part of the section (10) and articulated by means of the tie-rod (27) to the lateral marginal section (12). The tie-rod (24) articulation (25) is placed on the central section (8) and it is moved forward about the articulation (18) of the lateral intermediate (10) and central (8) sections, and the articulation (20) of the lateral marginal section (12) and the lateral intermediate section (10) is placed behind these sections.

The result consists in the extension and fold possibility of the lateral marginal sections just by means of levers, in the simplification of the construction and increasing of the boom sprayer reliability.

