

rear inner corner of the platform, the bracket casting sleeved upon the main axle and connected by a radius-arm at the rear with the prime pinion shaft, the raising and lowering lever pivoted to a segmental extension of said bracket, in advance of the axle and the tipping lever pivoted to a segment bracket upon the frame-bar in advance of the connection of the other lever, and itself linked connected with the front of the platform. 6th. The combination, substantially as hereinbefore set forth, of the main wheel, its axle, the platform, suitable raising and lowering and tipping instrumentalities for the latter, a seat standard support sleeved to the axle outside of the main wheel, and the rigid bar passing from said support to a pendulum guide or keeper pivoted to the draft-tongue. 7th. The combination, substantially as hereinbefore set forth, of the main wheel, its axle, the platform, the draft-tongue hinged thereto, the frame-bar pivoted to the draft-tongue and at its rear end playing in a keeper at the rear inner corner of the platform, an adjustable connection between said frame-bar and platform at the front of the latter, the raising and lowering lever pivoted to a bracket on the main axle and link connected with said frame-bar, and the seat support sleeved upon the axle outside of the main wheel, and connected with the draft-tongue by an arm playing in a keeper on the latter. 8th. The combination, substantially as hereinbefore set forth, of the main wheel, its axle, the platform, the draft-tongue hinged thereto, the frame-bar pivoted to said draft-tongue and connected to the platform at its rear end, means whereby said frame-bar is supported from the main axle, a segment-rack bolted to the frame-bar above, or nearly above the finger-bar of the platform, a lever pivoted to said segment and a connection between said lever, and the front of the platform for the purpose of tipping the latter. 9th. The combination, substantially as hereinbefore described, of the main wheel, its axle, the adjustable platform, a shaft journaled in hangers beneath said platform and running parallel with the finger-bar, an arm or crank at the outer end of said shaft in which the grain-wheel is supported, and another arm or crank at the inner end of said shaft connected directly with the main axle by means of a link or radius-bar, whereby the main wheel and the grain-wheel will rise and fall concurrently and co-ordinately in relation to the platform as it is adjusted. 10th. The combination, substantially as hereinbefore described, of the main wheel, its axle, the platform, the draft-tongue hinged thereto, the frame-bar pivoted to the draft-tongue, connections between said frame-bar and platform at both front and rear of the latter, a lever pivoted to a bracket on the main axle and connected with said frame-bar intermediate of the points of attachment thereto of the platform, whereby the frame-bar and platform may be raised and lowered, and a crank-shaft running beneath the platform supporting, in the arm or crank at its outer end, the grain-wheel and having a direct connection by means of a link or radius-bar between the arm or crank, at its inner end, and the main axle. 11th. The combination, substantially as hereinbefore described, of the main wheel, its axle, the platform, the draft-tongue hinged thereto, the frame-bar pivoted to the draft-tongue and at its rear end, playing within a steeper at the rear inner corner of the platform, the raising and lowering lever pivoted to a bracket on the main axle and connected with said frame-bar, the tipping lever mounted upon said frame-bar in front of the connection of the other therewith and connected to the front of the platform, and the crank-shaft journaled in bearings beneath the platform supporting the grain-wheel by means of the arm at its outer end, and having a direct link-connection between the arm, at its inner end, and the main axle. 12th. The combination, substantially as hereinbefore described, of the main wheel, its axle, the platform supporting the prime pinion shaft on brackets at its rear, the draft-tongue hinged to said platform, the frame-bar pivoted to the draft-tongue and playing in a keeper at the rear inner corner of the platform, the bracket sleeved upon the prime pinion shaft, the raising and lowering lever pivoted to a segment-extension of said bracket in advance of the axle and connected with the frame-bar to support it, the tipping lever pivoted to a segment bracket upon the said frame-bar and connected to the front of the platform, the grain-wheel supported in the outer arm or crank of said shaft, and the link or radius-bar directly connecting the inner arm or crank of the shaft with the main axle. 13th. The combination, substantially as hereinbefore set forth, of the main or driving wheel, the platform, the grain-wheel at the outer end of said platform supported upon an arm from a cranked shaft running longitudinally there beneath, a link connecting a second arm from said cranked shaft at its inner end with the main axle, the draft-tongue hinged to the front of the platform, the bracket for the seat-standard and foot-rest sleeved to the axle at its end of the main axle, an arm rigid with said bracket taking at its front end into a keeper upon the draft-tongue, a supporting bar pivoted at its front end to the draft-tongue, and at its rear end sliding in a keeper at the rear of the platform, a bracket mounted upon the main axle inside the wheel connected by means of a rearwardly extending radius-arm with the prime pinion shaft, and by a second forwardly extending arm affording a pivot and rack for the lever connected with the frame-bar, and a second lever pivoted upon said frame-bar latching into a rack therefrom and connected with the front of the platform. 14th. The combination, substantially as hereinbefore described, of the main or driving wheel, the axle keyed thereto and turning therewith, the bracket sleeved upon said axle inside of the main wheel and connected by a rearwardly extending radius-arm with the prime pinion shaft mounted in bearings upon the platform, the prime pinion upon said shaft, the main gear wheel mounted loosely upon said axle inside of the bracket and a clutch or backing ratchet between said wheel and the axle. 15th. The combination, substantially as hereinbefore described, of the main wheel, its axle keyed thereto and turning therewith, the bracket sleeved upon said axle inside of the main wheel and connected by a rearwardly extending radius-arm with the prime pinion upon said shaft, the bearings upon the platform, the prime pinion upon said shaft, the two bevel-gears connecting said shaft with the axle inside of the main gear-wheel mounted loosely upon said axle, the clutch or backing bracket and the clutch or backing ratchet between said axle and wheel, and the axle. 16th. The combination, substantially as hereinbefore set forth, of the main wheel, the axle keyed thereto and turning therewith, the main gear-wheel mounted loosely upon said axle, the clutch or backing ratchet between said axle and wheel, and the tumbling