Abstract

Tractor trolleys are widely used in rural India. The major transport material and labor is done with tractor trolleys. Through the trolleys have been designed and put in transport, fabricated by local fabricators. No standards have been followed. The trolleys are more prone accidents due to various reasons. Most common reason in absence of any standard braking system. The design of braking system for four-wheeler Trolley have been done and presented. For synchronisation of motion between tractor engine and trolley a concept of fifth wheel coupling
have been incorporated. The standard fifth wheel couplings have been designed and planned. The necessary changes will be made in hydraulic circuit of the tractor.

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