

DEVICE FOR COUPLING A TRAILER TO A TRACTOR

ABSTRACT

5 A trailer vehicle has a chassis 1 with a towing arm 2 supported by a link 3. The towing arm is pivotally attached to the chassis at a horizontal pivot axis 5, preferably at two separate locations arranged symmetrically about a fore and aft centreline. The towing arm has a towing eye at a distal end 6 remote from the pivot axis. The support link connects between a chassis attachment point 8 that is higher than the pivot axis,
10 and a towing arm connection point 12 that is between the pivot axis and the distal end. The link supports the towing arm and holds the towing eye substantially at a predetermined height relative to the chassis, which height can be adjusted using a turnbuckle 18 in the link. An extension spring 20 in the link accommodates changes in the height of the distal end of the towing eye relative to the chassis.

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Figure 1