

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, at two separate locations along the axis, and preferably symmetrically about a fore and aft centreline. The towing arm has a towing eye 6 at a distal end 6 remote from the pivot axis. The support link connects between a chassis attachment point 8 that is lower
10 than the pivot axis 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 distal end of the trailer towing arm at a predetermined height relative to the chassis, which height can be adjusted by screwing a threaded nut or collar 48 along an elongate link member 30 which telescopes within a tubular link member 14. A compression spring
15 20 in the link accommodates changes in the height of the distal end of the towing arm relative to the chassis.

Figure 1