

# PATENT SPECIFICATION

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## COMPLETE SPECIFICATION

### DRAWINGS ATTACHED

#### Improvements in or relating to Toy Model Vehicles

We, MECCANO LIMITED, of 236, Binns Road, Liverpool 13, Lancashire, a British Company, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The present invention concerns miniature toy vehicles and in particular arrangements in such vehicles for permitting pivoting of an axle to provide a steering effect of the type described and claimed in the applicants' patent No. 891681.

In the specification of British Patent No. 891681 there is described and claimed a toy motor vehicle in which the axle for at least the front wheels passes through slots in upstanding lugs on opposite sides of the vehicle floor plate, which slots have rearward upwardly inclined extensions, and a spring acting on the axle urging it to assume a normal position for straight line movement of the vehicle at the bottom of the inclined extensions of the slots.

According to the present invention, a toy vehicle as claimed in claim 1 of British Patent No. 891681 comprises a unitary base plate of pressed metal having upstanding wall portions adjacent to the front axle and cut-out portions in the upstanding walls, the cut-out portions sloping upwardly towards the rear whereas the front edge of the cut-out portions are cut vertically and comprising a body casting having two downwardly depending webs also with cut-out portions which generally slope upwardly towards the rear and which are adapted to engage with the base plate to form a closure member for the cut-out portions of the upstanding walls.

The invention will be better understood from the following description of one embodiment shown in the accompanying drawings.

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Referring to the drawing, the base plate 30 of the vehicle is of pressed metal construction with a die cast body 31. The base plate 30 is provided with upstanding side walls 32 having cut-out portions 32a in the region of a front axle 33, which slope upwardly at 32b towards the rear and are open at the top with the front edge of the cut-outs being cut vertically.

The body casting 31 is provided with two downwardly depending webs 34 also with cut-out portions 34a which generally slope upwardly at 34b towards the rear and which engage with the base plate 30 to form a closure member for the cut-out portions of the side walls 32.

This base plate 30 has no arcuate extensions forward of the cut-out portion 32a, the side walls 32 continue for only a short distance, whereafter the base plate narrows by substantially the thickness of the webs 34 of the body casting 31. The foremost part of the base plate 30 is in the form of box-like construction 30a being open at the bottom and ends and positioned transversely relative to the main portion of the base plate 30.

When in position the side walls 32 engage on the outer surfaces of the webs 34 with the ends of the box-like portion 30a, being narrower by the thickness of the webs 34, engaging on the inner surfaces of the webs 34.

The axle 33 is retained in position by two longitudinally disposed studs 35 secured to, or integral with, the body casting 31 about which studs the axle is able to pivot so as to steer the toy motor vehicle.

#### WHAT WE CLAIM IS:

1. A toy vehicle as claimed in claim 1 of British Patent No. 891681 comprising a unitary base plate of pressed metal having upstanding wall portions adjacent to the front

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axle and cut-out portions in the upstanding walls, the cut-out portions sloping upwardly towards the rear whereas the front edge of the cut-out portions are cut vertically and comprising a body casting having two downwardly depending webs also with cut-out portions which generally slope upwardly towards the rear and which are adapted to engage with the base plate to form a closure member for the cut-out portions of the upstanding walls.

2. An improvement in or modification of the toy motor vehicle claimed in claim 1 of British Patent No. 891681 constructed and arranged substantially as herein described with reference to and as illustrated in the accompanying drawing.

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*This drawing is a reproduction of the Original on a reduced scale.*

