



PATENT SPECIFICATION

DRAWINGS ATTACHED

1,063,530

Inventor: ANDRE ALBERT GILLERON*Date of filing Complete Specification:* Nov. 12, 1965.*Application Date:* Dec. 24, 1964.

No. 52513/64.

*(Patent of Addition to No. 991,823 dated Dec. 4, 1963).**Complete Specification Published:* March 30, 1967.

© Crown Copyright 1967.

Index at acceptance:—A6 S(19A1A, 19D4)

Int. Cl.:—A 63 h 33/00

COMPLETE SPECIFICATION

Improvements in or relating to Model Vehicles

We, MECCANO LIMITED of 236 Binns Road, Liverpool 13, 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 relates to model vehicles and is more particularly concerned with an improvement in or modification of the invention claimed in our United Kingdom specification No. 991,823.

In the invention claimed in said specification at least one aperture is normally closed by an openable member which has an arcuate extension positioned between two arcuate portions of two initially separate sections of the vehicle connected together after assembly of the arcuate extension between the arcuate portions.

According to the present invention, the openable member has two arcuate extensions along one edge thereof which engage correspondingly shaped portions of a second member which has a configuration such as to limit the amount of movement of the openable member.

According to a feature of the invention, the second member is also openable and is provided at each end with a pivot pin, the pivot pins entering in corresponding apertures in two initially separate portions of the vehicle which are connected together after assembly of the two members.

According to a further feature of the invention in a model vehicle having a two-part openable bonnet, one of the parts has two arcuate extensions along one edge thereof which engage correspondingly shaped portions of the other part and said other part is provided at each end with a pivot pin, the pivot pins entering corresponding apertures one in the upper portion of the radiator and the other in the body portion of the vehicle.

The invention will be better understood from the following description of one embodiment read in conjunction with the drawing accompanying the provisional specification. The drawing shows the invention applied to a two-part bonnet. In the drawing,

Fig. 1 shows an underside view of the two-part bonnet lid,

Fig. 2 shows an end elevation looking in the direction of the arrow X in Fig. 1,

Fig. 3 shows an end elevation looking in the direction of the arrow Y in Fig. 1 and with the two parts separated,

Fig. 4 shows a similar view to Fig. 2 with one part of the bonnet raised,

Fig. 5 shows a similar view to Fig. 3 with the other part of the bonnet lid raised,

Fig. 6 shows the manner of fixing one end of the bonnet lid to the vehicle, and

Fig. 7 shows the manner of fixing the other end of the bonnet lid to the vehicle.

Referring now to the drawing, the bonnet lid consists of two parts 10 and 11 which are connected together in such a manner that either one or both parts may be raised. Thus the part 10 is provided with two arcuate extensions 12, 13 into which fit the cylindrically shaped portions 14, 15 of the part 11. Each of the cylindrical portions 14, 15 are provided with an outwardly extending pin 16, 17 which enables the two assembled portions to be secured in position within the bonnet opening as will be described subsequently. It will be seen, therefore, that when the bonnet lid is secured in position either of the bonnet lids may be raised as shown in Figs. 4 and 5, the extent of the opening being limited by engagement of the edge 18 of the part 10 with the surface of the part 11. Preferably also an outwardly extending pin 19 is provided on the arcuate extension 12 to further limit the degree of opening.

For ease of assembly, the two parts of the bonnet lid are mounted between two portions of the model vehicle which are separately manufactured so that the assembly of the two parts of the bonnet lid within the bonnet opening can be effected at the same time as the assembly of the two separate portions of the

50

55

60

65

70

75

80

85

90

vehicle. This method of assembly is illustrated in Figs. 6 and 7. Fig. 6 shows the base plate 20 of the vehicle to which the radiator 21 and the bumper bar 22 is secured as a unit by means of the rivet 23. A bearing 24 is provided in the upper portion of the radiator for the pin 16. Referring now to Fig. 7 this shows part of the body of the model vehicle and at the rear of the bonnet opening a recess 25 is provided for the reception of the pin 17 while the member 26, which is part of a seat unit, is provided with a rib 27.

The assembly is effected as follows: The base plate 20 with the radiator 21 and bumper bar 22 secured thereto is offered to the body portion and the two parts are rivetted together. The two parts 10 and 11 of the bonnet lid are fitted together and are sprung into position with the pin 16 entering the bearing 24 and the pin 17 entering the recess 25 and the underside of the arcuate extension 13 engaging with the rib 27. The two parts of the bonnet lid are thus held in position between the radiator and the body and are capable of being raised.

WHAT WE CLAIM IS:—

1. A model vehicle having an aperture which is normally closed by an openable member, wherein the openable member has two arcuate extensions along one edge thereof which engage correspondingly shaped portions of a second member which has a configuration such

as to limit the amount of movement of the openable member.

2. A model vehicle as claimed in claim 1, wherein the second member is also openable and is provided at each end with a pivot pin, the pivot pins entering in corresponding apertures in two initially separate portions of the vehicle which are connected together after assembly of the two members.

3. A model vehicle having a two-part openable bonnet wherein one of the parts has two arcuate extensions along one edge thereof which engage correspondingly shaped portions of the other part and said other part is provided at each end with a pivot pin, the pivot pins entering in corresponding apertures one in the upper portion of the radiator and the other in the body portion of the vehicle.

4. A model vehicle as claimed in claim 3, wherein said other aperture is in the form of a recess in a downwardly extending edge of the body portion, the recess being closed by an extension of a moulding forming the seat portion of the vehicle.

5. A model vehicle having a two-part openable bonnet substantially as described with reference to the drawing accompanying the provisional specification.

POLLAK, MERCER & TENCH,
Chartered Patent Agents,
5, Castle Street,
Liverpool, 2,
Agents for the Applicants.

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

