

1.059,778



PATENT SPECIFICATION

DRAWINGS ATTACHED

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COMPLETE SPECIFICATION

Improvements in or relating to Model Vehicles

We, MECCANO LIMITED, of 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 means for decorating the models.

In the manufacture of model vehicles, one of the main concerns at the present time is to increase the realism of the models as much as possible. However, the question of cost is always an over-riding factor and a balance has to be sought between the two requirements.

Most motor cars of the present day include a number of plated parts, usually chromium and in the manufacture of models of such cars, the chromium plating of many of the parts, for instance, bumpers, overriders and so on has been achieved. It is, however, difficult in the models to chromium plate the smaller parts, for instance, the strip of chromium plated metal which in many cars surrounds the windscreen and windows.

The object of the present invention is to provide arrangements for simulating the chromium plated surrounds of the windscreen and windows in model vehicles.

According to the invention, in a model vehicle in order to simulate the chromium plated surrounds of the windscreen and windows a single sheet having at least one metallised surface is provided with cut-outs of a size equal to the amount of window or windscreen space required to remain transparent and the sheet is inserted within the upper region of the body portion of the vehicle, the sheet and the cut-outs being of such a size that a narrow strip of the metallised surface is visible around the edges of the window and windscreen.

The invention will be better understood from the following description of one embodiment taken in conjunction with the accompanying drawing comprising Figs. 1 to 3.

In the drawing,

Fig. 1 shows one form of a sheet of foil provided with cut-outs for side windows, windscreen and rear window,

Fig. 2 shows a perspective view of the body portion of a model vehicle with the sheet of foil in position and

Fig. 3 shows a perspective view in part section of the body portion.

Referring to Fig. 1, the sheet of metal foil 10 is shown suitably shaped to fit into the domed roof position 11 of the body shown in Fig. 2, the body being provided with apertures for the windscreen and windows. The sheet of foil is provided with cut-outs 12, 13 and 14 for the rear window windscreen and side windows respectively. The size and shape of the cut-outs are such that when the sheet of foil is correctly positioned within the domed roof portion 11, a narrow strip 15 of the sheet is visible around the edges of the windscreen and windows as shown in Fig. 1, thus giving a very realistic impression of the chromium plating surrounds.

The positioning of the foil sheet within the roof portion 11 may be effected in a number of ways. Frequently in model vehicles, a window moulding of a transparent plastics material is located within the roof portion of the body casting of the model, the window moulding being trapped, for instance, between the roof portion and a seat unit. In the embodiment shown in the drawing, such a window moulding is shown and this is indicated at 16 in Fig. 3, the foil sheet 10 being positioned between this moulding and the roof portion 11.

As regards the material for the foil sheet, any bright metallic foil may be used but an aluminium foil is preferred. This may be a plain sheet of foil or the metallic foil may be provided with a paper backing or a backing of suitable plastics material. Preferably, however, a sheet of foil is used having an adhesive

[Price 4s. 6d.]

backing with a protective cover.

5 A number of sheets of the appropriate size are stacked and punched to give the desired cut-outs. The punched sheets are taken singly, the protective covering removed and the sheet adhesively secured to that surface of the window moulding which engages with the inner surface of the roof portion of the body casting. In fact using sheet material of this character it is possible to secure the sheet directly to the inside of the roof portion of the body casing without the use of window moulding although the use of the latter gives a more finished product.

15 In an alternative embodiment, a vacuum formed polystyrene shell may be used, the shell being subsequently pierced and silver metallised. Further an injection moulded plastic or thin pressed metal shell, also silver metallised can be used to give the same effect. The shells are preferably self-adhesive to facilitate assembly.

25 It will thus be seen that the invention provides a cheap and effective method of simulating certain of the chromium-plated parts of the actual vehicle and therefore enables a model to be provided which has a high degree of realism.

WHAT WE CLAIM IS:—

30 1. A model vehicle, wherein in order to simulate the chromium-plated surrounds of the windscreen and windows a single sheet having at least one metallised surface is provided with cut-outs of a size equal to the amount of window or windscreen space required to remain transparent and the sheet is inserted within the upper region of the body portion of the vehicle, the sheet and the cut-outs being of such a size that a narrow strip of the metallised surface is visible around the edges of the windows and windscreen.

2. A model vehicle as claimed in claim 1, wherein the sheet is formed of bright metallic foil.

3. A model vehicle as claimed in claim 1 or 2, wherein the sheet is formed of aluminium foil. 45

4. A model vehicle as claimed in claim 1, 2 or 3, wherein the sheet is provided with a paper backing or a backing of suitable plastics material. 50

5. A model vehicle as claimed in claim 1, 2, 3 or 4, wherein the sheet is provided with an adhesive backing with a protective cover. 55

6. A model vehicle as claimed in claim 1, 2, 3, 4 or 5, wherein a window moulding of transparent plastics material is provided and the sheet is trapped between the window moulding and the upper region of the body portion of the vehicle. 60

7. A model vehicle as claimed in claim 1, wherein the sheet is formed of a plastics material which is vacuum formed or injection moulded into a shell, the shell being subsequently pierced to form cut-outs and silver metallised. 65

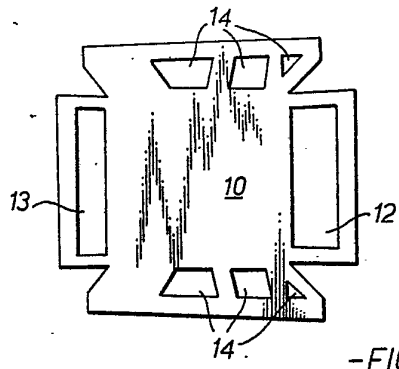
8. A model vehicle as claimed in claim 1, wherein the sheet is formed of thin metal which is pressed into a shell, the shell being subsequently pierced to form cut-outs and silver metallised. 70

9. A model vehicle as claimed in claim 7 or 8, wherein the shell is self-adhesive.

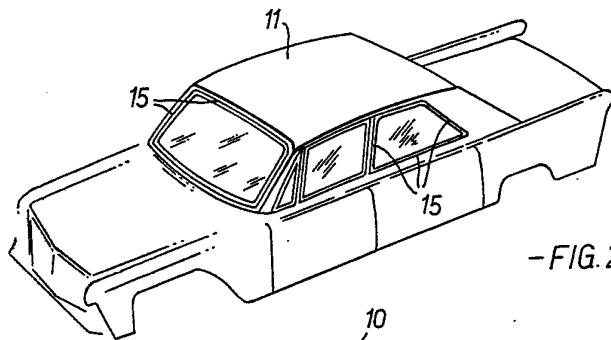
10. A model vehicle with simulation of chromium-plated parts substantially as described with reference to the accompanying drawings. 75

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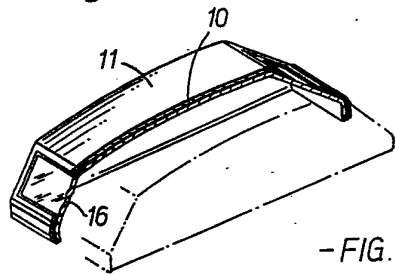
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-FIG. 1.-



-FIG. 2.-



-FIG. 3.-