



1991

MECCANO

®

INTRODUCTION

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1991 sees the opening of yet another chapter in the never ending Meccano story. Meccano's 90th anniversary coincides with the introduction of the most important product developments for several years. Heralded by a new distinctive logo the Meccano range continues to evolve. The use of the most modern computer aided design techniques has enabled the development of an exciting new series of models. Supported by new parts including a new electric motor and new style instruction manuals, the 1991 range has even greater appeal to children and adults of all ages.

When Frank Hornby invented Meccano 90 years ago, the name he first used was "Mechanics Made Easy". The beauty of Meccano is that the range is as easy or as challenging as you want to make it, whether it be the most simplest of models in the Junior series or the most technically demanding in the Enthusiast series the Meccano construction engineer will feel a great sense of achievement when their next model is complete.

90 years

Mechanics Made Easy Set courtesy of Jim Gamble.

IT'S THE WORKS

But there is one last message for 1991 and that is that as challenging as Meccano is it is also great fun. Bridges and trains, robots and aeroplanes – all out of one box! Help us celebrate our 90th anniversary by reading on and seeing what Meccano can mean to you.

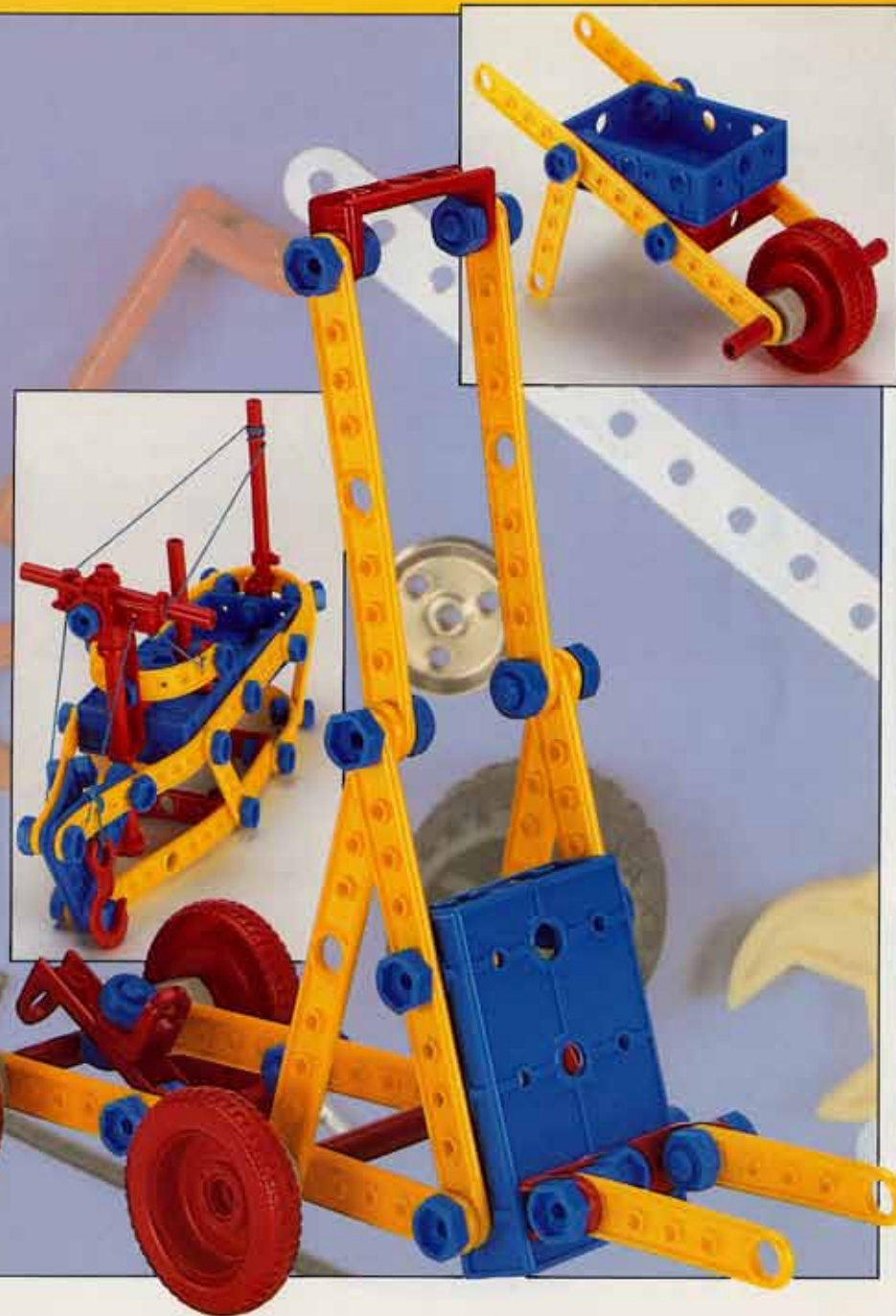


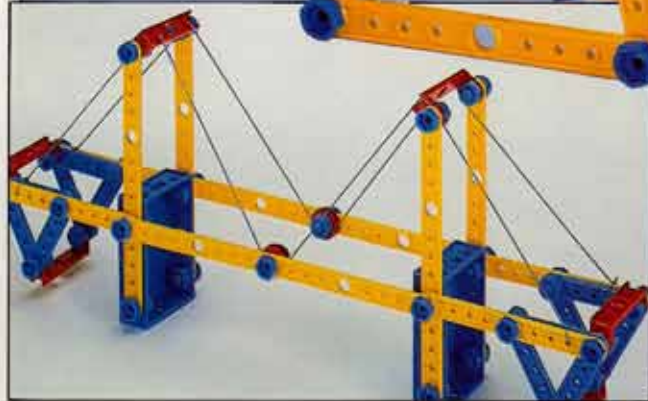
JUNIOR

SERIES

More normally associated with the traditional metal range, Meccano is also available in Junior form to cater for younger children who are already exhibiting an interest in construction. Like its metal companion, Junior Meccano has nuts and bolts, rods and axles, spanners and screwdrivers – all made out of colourful plastic pieces – easy to handle and of course completely safe for the early learners.

SET 62 brightly coloured plastic parts to join together. 24 separate illustrated models can be made including an aeroplane, windmill and tractor.





Recommended for children of 4 years and upwards Junior Meccano comes complete with easy to follow pictorial illustrations of the models that can be made from each set. At the same time, the more adventurous young modeller can create their own ideas.

Junior Meccano is a great foundation for graduating to the metal range – what's more the Junior and metal parts are compatible.

SET B In this larger set there are 112 plastic pieces which can build 42 working models including a bridge, a helicopter and a crane.

UTILITY VEHICLES

SERIES

9 different sets for the 6 year olds and older to contemplate as their introduction to the traditional metal Meccano. For the slightly younger modeller each set uses standard metal Meccano and using simple step by step instructions builds the illustrated model.

1991 sees four new sets including a range of Emergency vehicles.

SET 301 Breakdown Vehicle – 190 parts in this all wheel drive vehicle.

SET 302 Rescue Helicopter – 155 parts make this helicopter with moving rotor blades.

SET 303 Motorised Water-Cannon – This fire fighting machine has 170 parts.

SET 106 Road Leveller – 165 parts make up this heavy machine.



IT'S THE WORKS

CONSTRUCTION

SERIES



SET 101 Dump Truck – 135 parts make this tipping model.

SET 102 Mechanical Digger – There are 155 parts in this set. Digger swivels and the jib moves fore and aft.

SET 103 Bulldozer – 125 parts enables this wheeled bulldozer to move around your imaginary building site.

SET 105 Lorry Mounted Crane – 130 pieces can make this working crane with moving jib.

SET 201 Tractor with Cabin – 140 pieces make this realistic prime mover.

All sets build the model depicted on the pack. All sets include the allen key system. No batteries required.

BEGINNERS

SERIES

1991 sees major developments in the Beginners Range.

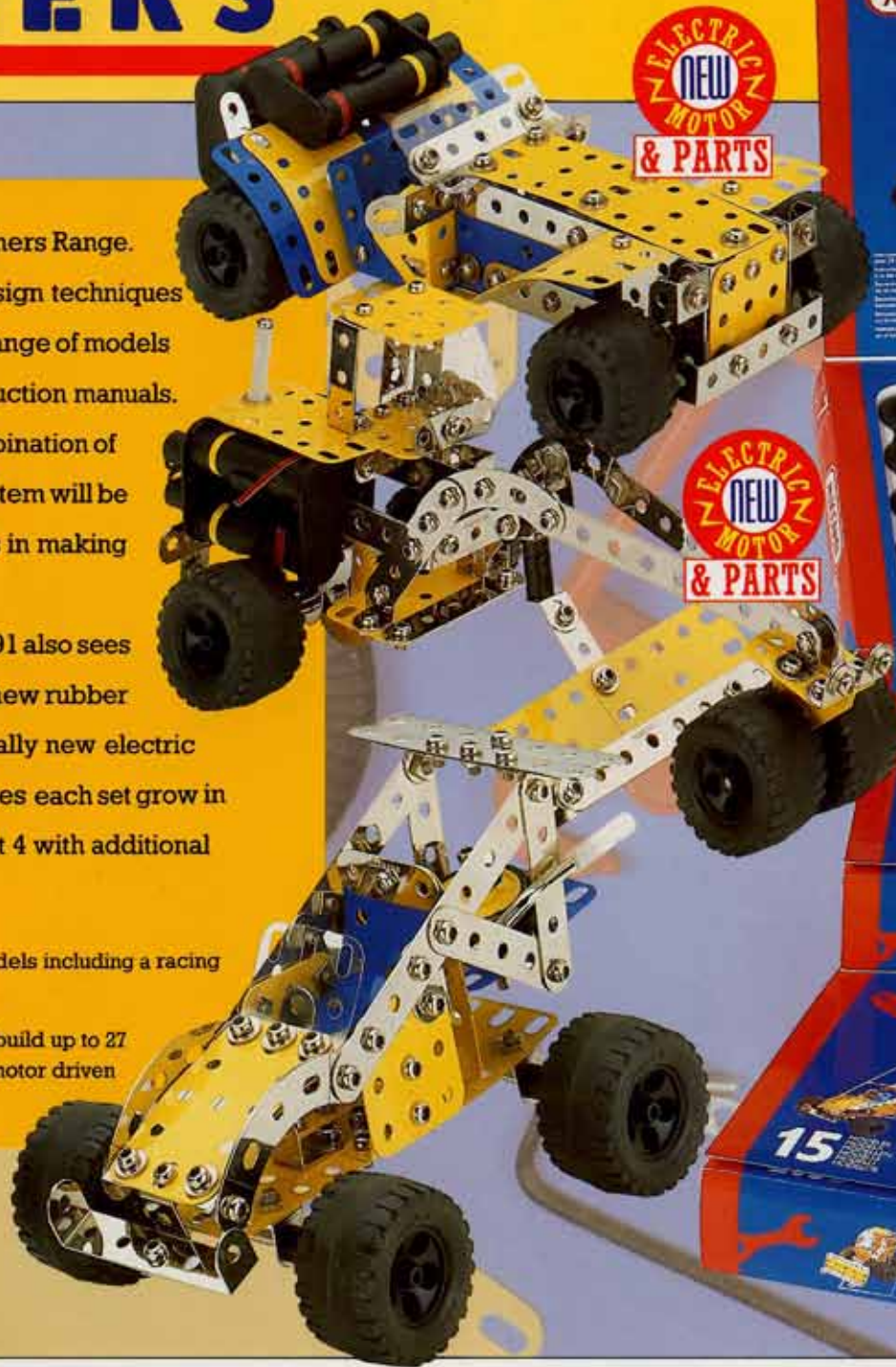
Using the most up to date computer aided design techniques each set contains a totally new and exciting range of models accompanied by new style colour coded instruction manuals.

Designed for 7 year olds and above, the combination of the new manuals and the popular allen key system will be of great assistance to the young model makers in making these fabulous new designs.

The changes do not stop there however. 1991 also sees the introduction of brand new parts including new rubber 'life like' tyres and most significant of all, a totally new electric motor in Sets 2, 3, and 4. The new 1991 range sees each set grow in size, content and complexity culminating in Set 4 with additional gearing and a motor reversing capability.

SET 1 The 203 separate parts can build 15 illustrated models including a racing car, sand buggy and a small crane.

SET 2 With Electric Motor*. This first motorised set will build up to 27 different models from the 274 parts. Examples of motor driven models are a helicopter and a radar vehicle.



ELECTRIC MOTOR
NEW
& PARTS

ELECTRIC MOTOR
NEW
& PARTS



IT'S THE WORKS

BEGINNERS

SERIES



A great new motor for 1991. More efficient, quieter and more durable this new 3v/6v motor is driven by the smaller R6 style batteries which are lighter and can be more easily integrated into the motor driven models. Altogether more realistic the new motor adds a new dimension to the Meccano range.

SET 3 With Electric Motor**. The purchase of a Set 3 includes additional models making 39 in all from the 353 parts. Why not build the truck prime mover or the dragster racing car?

SET 4 With Electric Motor**. Additional transmission parts and a motor reversing capability are included in this 452 part set. Further models take the total to 51 in this fabulous set. A truck skiploader, dockside crane and grand prix racing car are just three examples.

* Requires 2 R6 batteries - not included. ** Requires 4 R6 batteries - not included.

ENTHUSIASTS

SERIES


Perhaps the most significant product changes for several years appear in 1991 with the development of two brand new sets in the Enthusiast range. Conscious of the need to bring more technical models into the lower age range Sets 5 and 6 include a brand new selection of models supported for the first time with an integral electric motor. Developed for children 9 years and upwards, the sets grow in complexity as additional transmission parts are included as you move up the range.

SET 5 With Electric Motor**. Mechanical diggers and a logging truck-trailer are just two of the 63 different models that can be built from this set. 556 parts in total.

SET 6 With Electric Motor**. A jet plane and twin rotor helicopter are included in the 78 models that can be made from this fabulous set. 640 separate parts.

** Requires 4 R6 batteries – not included.





The Lancaster bomber. A fabulous example of what a Meccano collector can ultimately build.*

The final stages in your graduation. Potential and existing engineers will derive a great deal of pleasure from these advanced sets.

SET 7 A magnificent windmill is one of the 92 wonderful models in this set. There are 680 individual parts.

SET 8 A large Ferris Wheel is possible here along with 107 other great designs. 800 parts make up this set.

SET 9 Almost no limit to what you can achieve. 1180 parts in a beautiful wooden case. There are 124 illustrated models.

SET 10 The ultimate set and the envy of all other Enthusiasts. Now in a brand new 5 drawer cabinet, there are 3100 parts, 149 illustrated models and by now whatever the Meccano Enthusiast decides to build.

NB - Separate Electric Motors should be purchased with Sets 7, 8, 9 and 10 - see overleaf.

*Courtesy of Jim Gamble.

ACCESSORIES

& SPARES

IT'S THE WORKS

For all Meccano Model Makers – a comprehensive range of Supplementary Sets, motors and spare parts.

Supplementary Sets (9X not illustrated)

A truly economic way of building up on your Meccano collection. Takes each of the Sets 1 to 9 to the next largest set e.g. Set 2 + 2X = Set 3.

Mechanisms Set

A special set for the engineer in mind. A range of gears and other parts to make your models even more realistic. For all owners of sets 1-8.

Spare Parts

A complete range of spare parts enables the Meccano model maker to add to their sets on a selective basis. Each of the 338 separate Meccano parts are available.



*The Motor M

A 12 volt electric motor for the advanced Model Builder. The integral gearbox offers six variable speeds! Applicable to all sets this compact motor can be battery or transformer driven.

Motor MO*

This single speed 6v motor contains motor, battery holders and transmission parts which can be integrated into all Meccano models.

*The Motor MR

A compact and powerful 9-12 volt single speed motor with stop, start and reversing capability. Battery or transformer driven.

*Batteries not included.

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