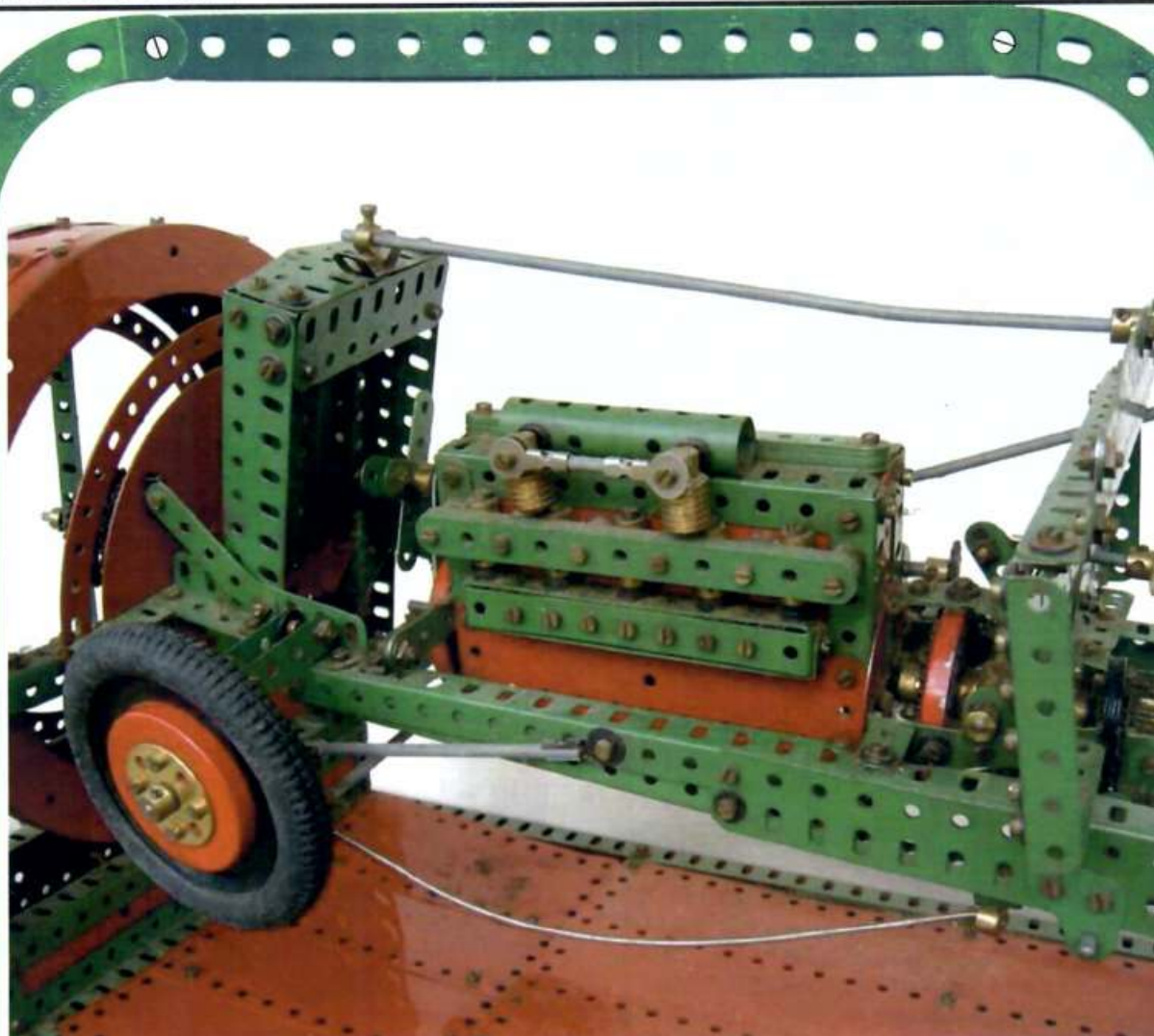




# NZFMM MAGAZINE

Volume 31 No 2

April 2007



These two photographs of the Motor Chassis Dealer's Model, which he was told about during a 2005 show in Hawera, were taken by Alistair Tong. Sorry about the dust but at least that proves the age of the model!

For the full story about the Motor Chassis Dealer's Models, turn to page 3.

## NZ Federation of Meccano Modellers Magazine

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Letters are welcome and may be sent by post or by email. The author's name and address must be supplied. Publication of letters will be at the editor's discretion.

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## Constant in a Sea of Change

The only thing constant in life is change and perhaps Meccano. Your hair and teeth fall out, your belly grows out, and the urge to chase women burns out. Your old school mates with whom you have been friends for years are dying off and the new friends you have made aren't lasting too long either. You have lived in numerous houses, driven various cars, had a variety of challenging/boring careers, entered into relationships with natural and bottle blondes, and passed through the usual stages of life in nappies, shorts, trousers, shorts and back to nappies.

In all of this continual turmoil, Meccano holes are still half an inch apart, strips are half an inch wide, and threads are  $\frac{5}{32}$ " British Standard Whitworth (BSW). What was contained in the first Meccano sets still line up and can be reused with the 21st century sets. The Meccano hobby you enjoyed as a boy is still in existence with the old familiar parts still available in new or used condition. The new parts introduced subsequently still have a common trait in that they have structural dimensions that blend with the original concepts. Model ideas that you put aside for a future time to build are still buildable. (What happened to balsa wood aeroplanes, putt-putt boats, and brown paper kites?). Meccano has been able to cope with reflected reality as seen around us from aeroplanes with string rigging to Tornado jet, from abacus to Babbage machine, from sailing ship to submarine, and from whimsical to weird. The Meccano Magazine that was eagerly awaited reading and which eventually turned into tatters is still available in expensive familiar paper or inexpensive indexed electronic form.

Meccano Clubs still exist for personal attendance, Meccano mates still live down the road (or a car ride away in the next town) or out in cyber space, Meccano sets and parts can still be bought from sources around the world, and the twisting of nut to bolt is still the heart of the Meccano hobby.

May the force be with you. R. Bruce Neilson

### Warning – Unpaid SUBSCRIPTIONS

If the address notice on your envelope shows "March 2007", you have not paid your subscription to NZFMM Magazine for the period to March 2008. Unless you pay your subscription NOW you will miss out on fantastic pictures, enthralling articles and notification of up and coming events. The treasurer's address and subscription rates are on page 2 (as always).

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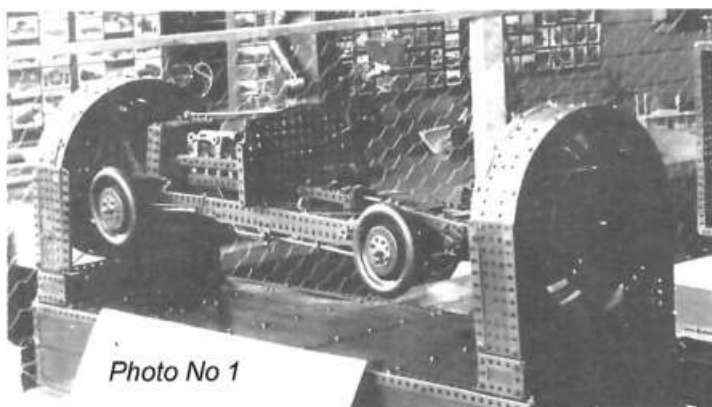
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## Meccano Revolving Motor Car Chassis Demonstration Model An Odyssey

by Alistair Tong

For some considerable time I have been seeking details and the assembly instructions for a Meccano Revolving Motor Car Chassis Demonstration Model. The disassembled parts for this model came into my possession some years ago – so here is the story from the beginning.

**Firstly:-** Daryl Anderson of Hawera wrote the following on my behalf to the Spanner email group on 23 April 1998: "Some years ago (early 1950s) there was a Meccano Dealers Model on display at Lester's Book Shop, Hawera, New Zealand. When the bookshop was sold around 1970, the Motor Car Chassis became the prized possession of local Meccano enthusiast John Hall. Eventually he and his family 'pieced' the model and added the parts to his collection. Gradually they lost all interest in Meccano and it became known to me in 1996 that they wished to sell the collection. This I purchased for a moderate sum at that time. The collection contained all the original parts of the Motor Car Chassis except the baseboard and whatever motor turned the chassis and mechanism. Research by me recently in Hawera produced a photo of the model on display at a hobbies exhibition at the Hawera Main Primary School about 1953. This photo (*Photo No 1*) clearly shows the Meccano base supporting the revolving chassis (which I have rebuilt matching carefully the non faded overlapping parts) but details of the actual chassis are much more difficult to identify. Can anyone help with any details or information about this model? Kind regards from Daryl Anderson PO box 40 Hawera New Zealand."



Various immediate replies to Daryl's email were received at the time. They were all very informative about the subject in general but none with specific knowledge of or details that I required.

**Secondly:-** On the 28 April 1998 Peter Mathews, Johannesburg, sent Daryl an original copy of a Dealers catalogue 'Meccano 1966 Demonstration Models'. Meccano Display Model 66/6 Motor Chassis illustrated on the last page was not what I wanted. In conversation at the same time with Don Blakeborough and Lindsay Bond they each produced photocopies of Meccano Super Models 1 & 1a –

also not what I wanted.

**Thirdly:-** A couple of years later I sent off to Spanner the following email:

"Among the parts of my Meccano Collection lie the 'pieces' of what I believe is a post war Dealers Model. I purchased these 'pieces' from a family in Hawera in 1996. They had 'obtained' them after the Hawera Meccano Dealer closed down in approx 1970. Sadly for all concerned, the model was subsequently 'pieced' and put into what was the family Meccano set at the time. I have spent a moderate amount of time searching for any details of this model and have ambitions to rebuild it. The only detail I have is a photo of it taken in Hawera in approx 1953 at a Hobbies Exhibition. (I remember the model as a child and always longed to make something like that!!) The photo is 'broad' in the sense that other models are included in the picture. The base board (if it had one) and whatever electric motor it had are missing from the parts I have. The model base is 36" x 9 1/2" x 4 1/2" (good old fashioned Meccano measurement) made with red/green (of the 1950s era I believe). This is filled with Strip Plates P/N 197 and 196 across the ends. The vertical end bearings that appear to suspend the revolving chassis are made from Flanged Rings P/N 167b with Circular Strips P/N 145 and Circular Plates P/N 146. There are clearly 3" Pulleys (black ) and Tyres (Dunlop) for the road wheels. The centre of each wheel is covered with a Wheel Flange and an eight hole Bush Wheel. The gearbox is three speed and reverse and appears to be the same as for the Model of the Month, Meccano Magazine January 1957, page 38 and 39. That Chassis is not what I am after, I have spent quite a lot at time assembling this gearbox from the scant information that is known to me at this stage It works well. The details I am after are not the Meccano Display Model! 57/16 Rotating Motor Chassis illustrated in Meccano Display Models 1957 brochure. It is not the Motor Chassis 1 or 1a Special instructions for building Meccano Super Models, I am indebted to Geoff Wright/Charley Roth/Tony Press/John Stark/Wes Dalefield/Peter Gronous/Graham Jost/Peter ? (Johannesburg) and Daryl Anderson for their help and submissions through Spanner in April 1998 But has anyone else any idea or knowledge of the info I seek?? Alistair TONG, 12 Princes Street, HAWERA 4800, NEW ZEALAND Phone 06 278 4652"

**Fourthly:-** Roland Jaggard sent me pictures attached to an email in May 2000 of Dealer Model Motors. As I quoted earlier there was no motor of this type or style in the parts that I had. The previous owner of the parts that I possessed did not know anything about a motor and couldn't remember the model being driven by such an arrangement. Then in August 2000 Roland sent me reference to the following pages 442 and 443 in the 1955 Meccano Magazine featuring a Mr Zaniboni of Naples with a Meccano Revolving Motor Chassis demonstration model. Now we were receiving positive information regarding the pieces I had in my possession.

Also in August 2000 I received through Spanner the following email from Jim Gamble

"Dear Alistair,  
I have noted the various items of correspondence

From MM 1955 page 443

Fig. 3. Mr. A. Zaniboni, Naples, carrying out minor adjustments on a Meccano revolving motor chassis demonstration model.



concerning the Revolving Chassis Model.

I may well be wrong, but I really don't think it is a Dealer's Model I have most of the Trade Leaflets of the period illustrating what models were available; at this particular period there were usually around twelve to fifteen subjects for dealers choose from, and such a model does not featured in any of them. There was a good measure of overlap with the selection available, some models included over many years and despite my incomplete files, I feel there is only the slightest chance of the model being featured in one of leaflets I do not have. However, in these cases I am more than happy to be proved wrong! Do you have all the original parts from the model? If this is the case, one way you might prove conclusively that the model was a Binns Road origin. During this period, and through to the 1970s, Meccano always used double Grub Screws in gear fixings. One was a standard P/N 69 and the other was a special sharp tipped and hardened version. Wheels other than gears were treated in the same manner but using a Set Screw with the same modification. Even if the actual screws are absent, the axles will show the marks from these hard tipped set screws. You cannot mistake them, the indents are deep and the axles considerably distorted.

Jim Gamble"

This was very good information indeed and completely new news to me. No matter how hard I looked there were neither such grub screws in my collection of parts nor any visible marks on axles to indicate that they were used in the assembly of the chassis model.

So, a little later in 2000 I followed up my lead about Mr. Zaniboni. I thought he could have been a major clue in my pursuit for details of what he had obviously been involved with. Roland Piazzoli of the GAMM Meccano Club did the detective work for me but all to no avail.

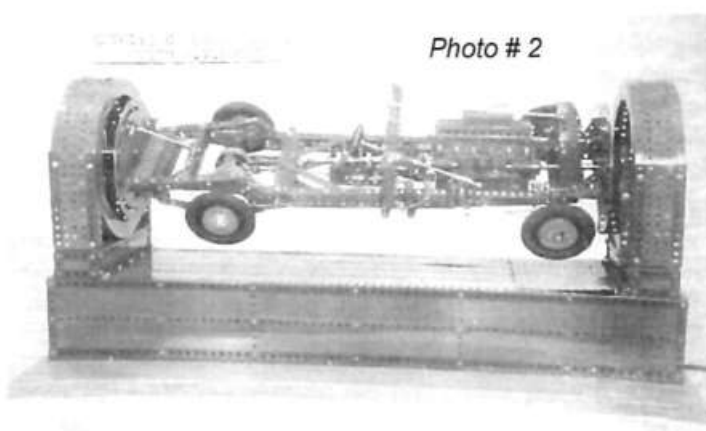
Now we are two years on and still searching for details and information about this very elusive Meccano model.

An email in September 2002 circulating on Spanner from Dave Denner Australia revealed that he had plans for the 1957 Model of the Month. Maybe this is what I required? I based my opinion on the fact that I had a copy of the Meccano Display Models 1957 brochure. Meccano Display Model 57/16 Rotating Motor Chassis looked like what I required (even though it was mounted on a different base to what I had assembled). I took it at the time to be as close

as I was going to achieve). Dave sent me the plans and with the January 1957 Meccano Magazine from my collection to go by I decided that this could be assembled and mounted between the Flanged Rings P/N 167b of the base that had been assembled by me a lot earlier. Then at the end of 2002, Nigel Boyle of Christchurch advertised for sale by auction a dealer photograph of a Revolving Motor Chassis with H.V. I was not financial enough at the time to bid for or purchase the 'Factory Photo', (Photo No 2).

His email to me following my enquiry about the photo is as follows -

"Hi Alistair, I've sent you three images of this terrific model. I've never seen this model constructed. I would say mid-1950s, so colours would be the medium red/green of the period. On the back of this factory photo is the price of the



Display Model £21.6.6 sterling and the Motor £2.12.6. It should be quite exciting re-building it. I'm sure the gearbox etc detail will be the same as previous Meccano Chassis'. Let me know if I can help further. All the best, Nigel"

Henk Brouer, who lived in the Netherlands, had purchased the photo from Nigel. Henk sent me an email through Spanner in January 2003 asking for the same details as I had been pursuing. I replied to him at the time passing on most of the knowledge I had gathered to date.

Now we have reached February 2003. Lou Nichols of Wellington rang me one evening and suggested that I have a look at John Ince and Ian Torrens Meccano Magazine Index of Models. Page 30 Item 3 (List of Meccano Chassis). In his opinion my chassis was a composite model of all or some of those details. e.g.

Meccano Super Model 1a - showed a 6 cylinder engine 1955 August MM Magazine photo on page 443 shows a firewall fitted.

Also NZFMM Vol 5 No. 5 October 2001 centre spread showed a model of a chassis that belonged to Barry McKey of Tauranga. The base was a turntable arrangement to support the revolving parts.

After all of the unsuccessful research to date, I had finally assembled from various material gathered a revolving chassis to display at the NZFMM Convention Easter 2003 in Hawera. A colour picture of the model can be found on the centre pages 12 and 13 of the April 2003 NZFMM Magazine Volume 27 No. 2.



*The version Alistair Tong built in 2003*

Once again there were constructive comments from everyone at the convention. But, no one could answer the original questions:

Who designed the six cylinder example that I was perusing?

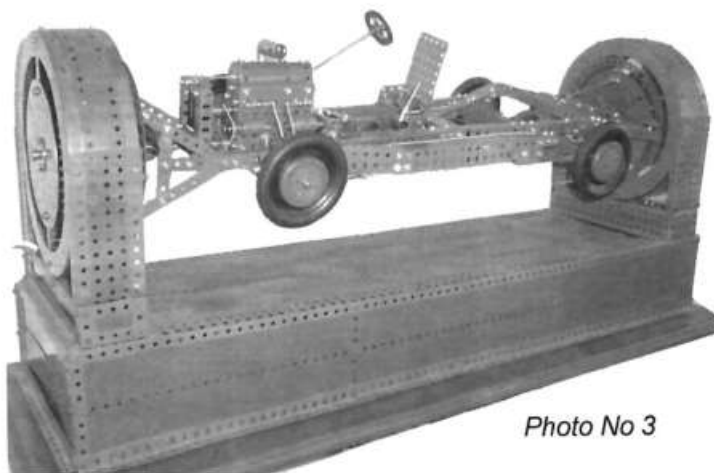
When was it first created?

Where were any plans published for it?

Surely there must be another example somewhere (in the world?) of it?

When will this mystery / story end?

Now we are up to November 2005 and displaying the Revolving Chassis at the Egmont A & P Association annual show in Hawera. A driver's seat had been added to the chassis in my opinion making the presentation a little more realistic for viewing, (Photo No 3).



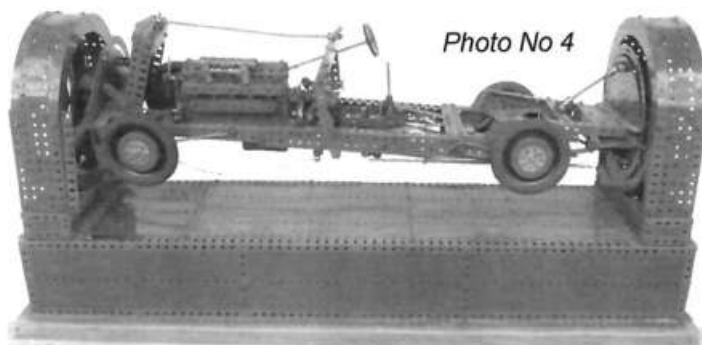
*Photo No 3*

Once again there was a lot of reminiscing about Meccano from the crowd and discussion about my model. Then out of that crowd stepped a Hawera man whom I knew quite well and spoke to me about having the same model at home in his lounge!!! Really ?????????? Yes. He thought that what he had was practically the same. No !!! It couldn't be ??? Well. Come on around and have a look.

And there it was, (Photo No 4).

What I had been searching for was there, as he said, and right before my eyes. I could hardly contain myself and was shaking with emotion/excitement and wonder. After all the knowledge and information that I had gleaned from Meccano members I had finally to visit a house in my home town to view what the world could not reveal in detail. After a short conversation he agreed that I could take photos of the model as it was. My digital camera was in my pocket for that very purpose. Obviously. The model had in fact become a little 'worse for wear' and was in Reg's possession for restoration. Apparently a long time ago one of the owner's sisters had fallen onto the model during a brother/sister tiff. The chassis was distorted in it's mounting – some of the brake parts/cables had been removed

and a crank handle was lying in the bottom of a container of



*Photo No 4*

a small number of assorted parts. There was an extensive accumulation of greasy dust all over the model – the electric drive motor had been removed and was sporting a broken mount and some other minor dismantling had taken place.

The chassis would not revolve between the two flanged rings due to distortion and abuse.

In August of 2006 Reg informed me that he had taken the project as far as he could go for the moment. He wanted me to assist with some ideas about completing the revolving mechanism and where to purchase some Meccano chain for the drive sprockets. He had restored the model using various heretic methods, in my opinion not a proper thing to do to such a fine example of assembly as had been originally created. In further conversation with him, I discovered that the model actually belonged to a dairy farmer from the district and this is an abbreviated history from him through Reg. As a young boy (1950?) this man would visit his auntie in Wellington during school holidays. She worked in the Meccano dealers shop at the time. He would ogle at the model on display (just like I had done in Hawera, same age, same period) and pester her about it. So for his birthday (at Xmas time?) she purchased the model for £60 and gave it to her nephew.

Researched, recorded, photographed and compiled by Alistair Tong, MWT Meccano Club, New Zealand.

## A Pitch & Roll Mechanism for a Sailing Ship

text and photos by John Ince

This mechanism is the one used on my model of Cook's Endeavour but may easily be adapted for any model of a sailing ship. The motor speed needs to be adjusted so that the pitch of the ship has a frequency of 5 to 10 seconds. This may be achieved either by selecting a slow speed motor or by adjusting the reduction drive to Axle Rod, 5. A Power Drive Unit, if used, will allow a choice of drive speeds. In the illustration with this article, the PDU is set to the 16:1 ratio and driven from a 6v power supply.

The hull of the boat is supported at about one third of the length from the stern. At that point a substantial structure of two  $4\frac{1}{2}$ " x  $2\frac{1}{2}$ " Flat Plates separated by  $2\frac{1}{2}$ " x  $1\frac{1}{2}$ " Double Angle Strips supports a longitudinal roll Axle on which is mounted a secondary frame. The secondary frame is constructed of two  $4\frac{1}{2}$ " Angle Girders,  $1\frac{1}{2}$ " Strips and two

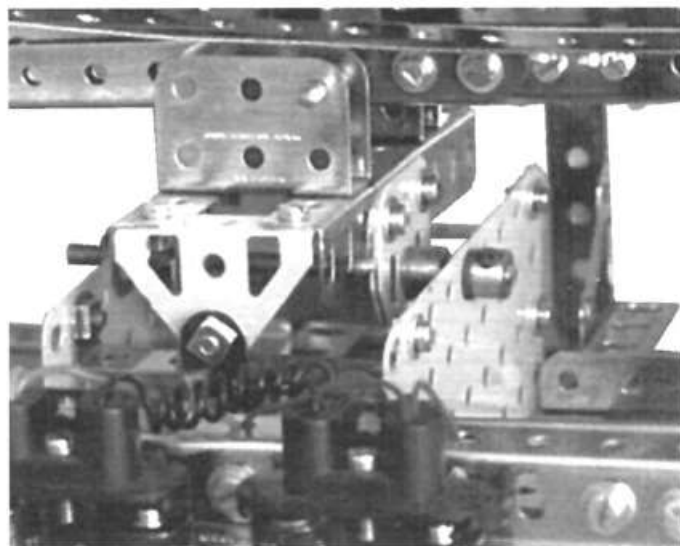
secondary frame, a Compression Spring located by a Long Threaded Pin controls backlash and wobble in the roll motion. Rod 10 derives its motion from Eccentric A on the opposite side of the model base via a  $5\frac{1}{2}$ " Strip. The Eccentric stability is maintained by a Slide Piece running on another  $5\frac{1}{2}$ " Strip. A short Screwed Rod, or a  $\frac{3}{4}$ " Bolt, connects the Slide Piece to the transverse  $5\frac{1}{2}$ " Strip.

The motor drives a  $1\frac{1}{2}$ " Pulley, 6, using an O ring of appropriate length. The Pulley is mounted on 4" Axle Rod, 5, which is carried by 3" Strips bolted to the base. A  $\frac{3}{4}$ " Sprocket Wheel on 5 drives a  $1\frac{1}{4}$ " Sprocket Wheel on 2" Axle Rod, 1a. This Axle Rod is journaled in the Semi-Circular Plate and supported at the inner end by a Coupling secured to the base by a screwed rod. The other half is 2" Axle Rod, 1b, which is similarly supported and connects the drive to the Eccentric A. A 26c Pinion on Axle Rod, 1a, meshes with a 27d Gear Wheel on Axle Rod, 2 and a second 26c Pinion on Axle Rod, 2, meshes with another 27d Gear Wheel on Axle Rod, 1b so that there is a reduction of 16:1 through two 26c - 27d gear sets to Eccentric A.

The Axle Rod, 1a, also supports a 38t 1" Gear Wheel which drives a 50t  $1\frac{1}{4}$ " Gear Wheel on Axle Rod, 4, via a 25t  $\frac{3}{4}$ " Pinion. The Pinion is supported by a frame made up of pairs of  $2\frac{1}{2}$ " and  $1\frac{1}{2}$ " Strips. The pitch Eccentric B is mounted on Axle Rod, 4, and is connected by a stout but flexible assembly of  $1\frac{1}{2}$ " Strips, Corner Brackets, Couplings and Rod & Strip connectors to a short Axle Rod through the keel. This connection must be able to accommodate the roll motion while doing its pitch job. To eliminate backlash and also to balance the load created by the non-central pivot point, a tension spring secures the aft end of the keel to the base.

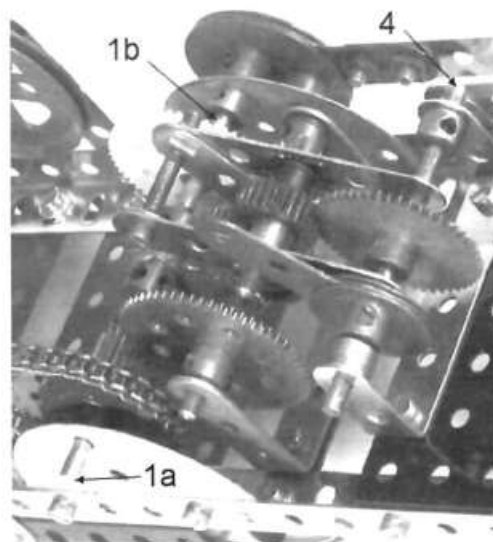
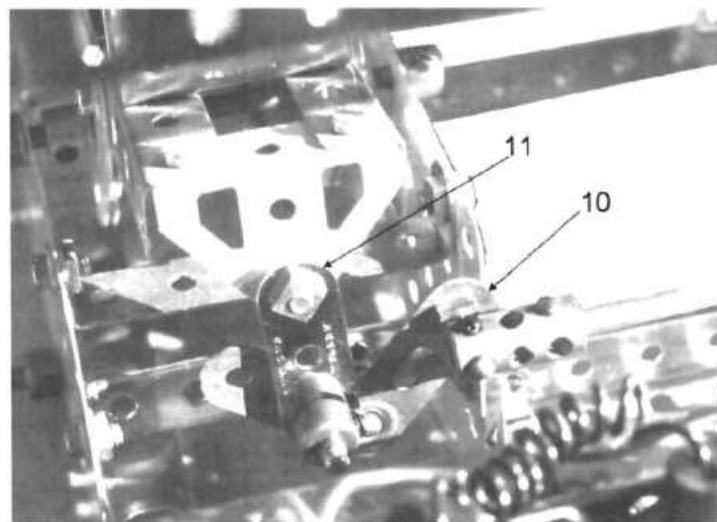
The peculiar gear ratios described above produce a ratio of about 1 : 3.04 between Axle Rods 1b and 4 so that the consequential pitch motion is out of phase with the roll motion.

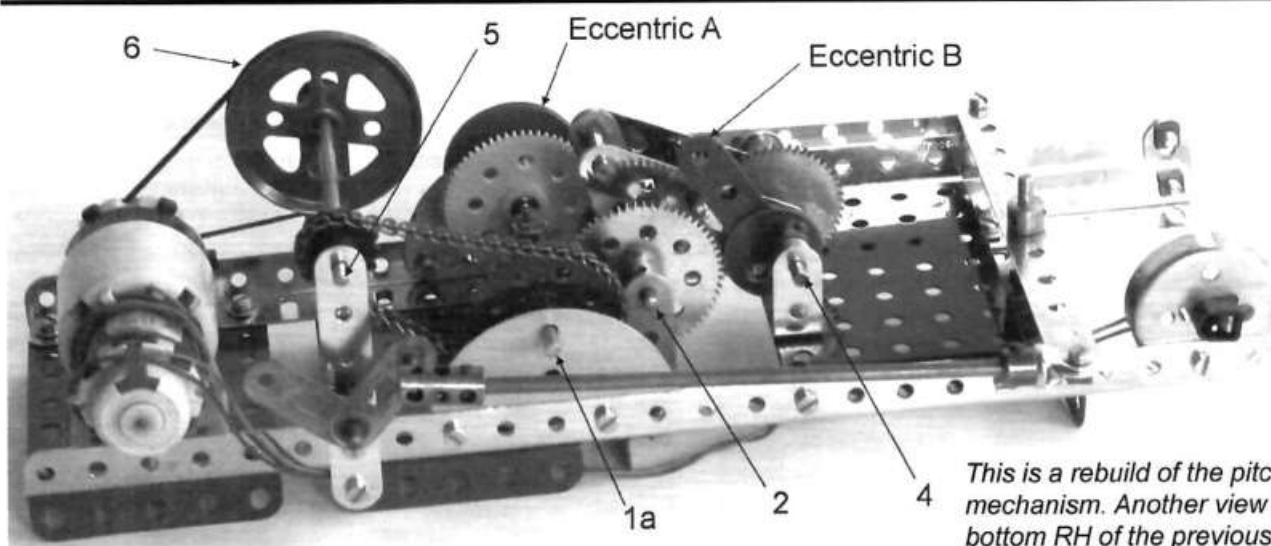
The motor in the original model is obviously not Meccano but runs quite nicely at a slow speed on 6v supplied either by four AA batteries in a standard Meccano battery holder or by an alternative power supply which may be used in the event of the batteries going flat.



*The hull support assembly incorporating the roll action.*

Channel Bearings. The Channel Bearings support a transverse Axle housed on the ships keel by two Cranks. The Rod, 10 drives a Bell Crank and a loose  $1\frac{1}{2}$ " Strip, 11, to one end of the secondary frame. At the other end of the





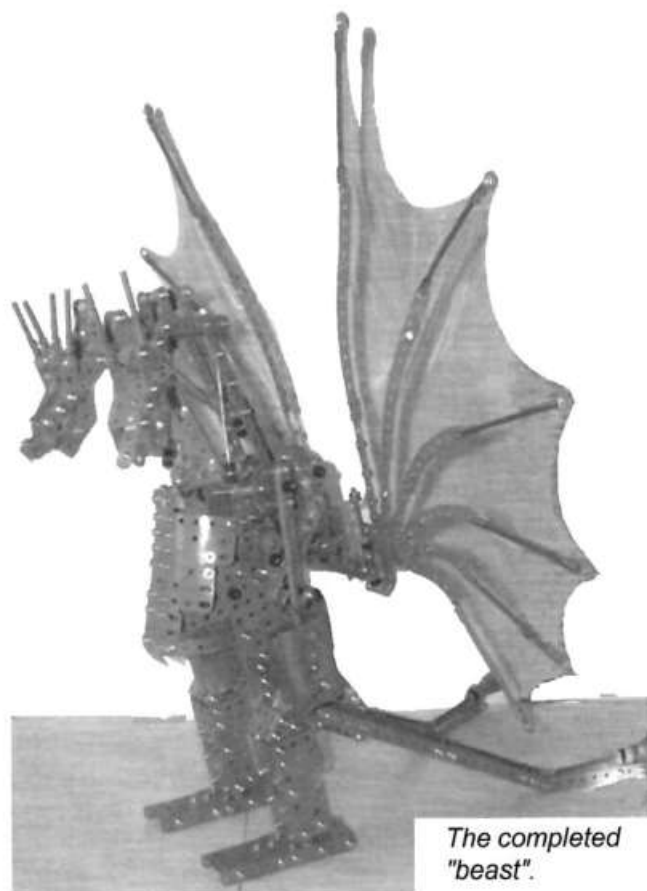
*This is a rebuild of the pitch and roll mechanism. Another view is at the bottom RH of the previous page.*

## King Gidra – A New Set

My King Gidra has arrived. Set No 0528. Same packaging as the Three Land Marks Set. Just about everything is gold coloured, two MO motors, three 19:1 gearboxes etc. The manual says suitable for 15+ year old. Parts List attached and you just don't want to know the cost!!!. Got a bit of midnight oil to burn now. Dave Denner, Melbourne, Oz

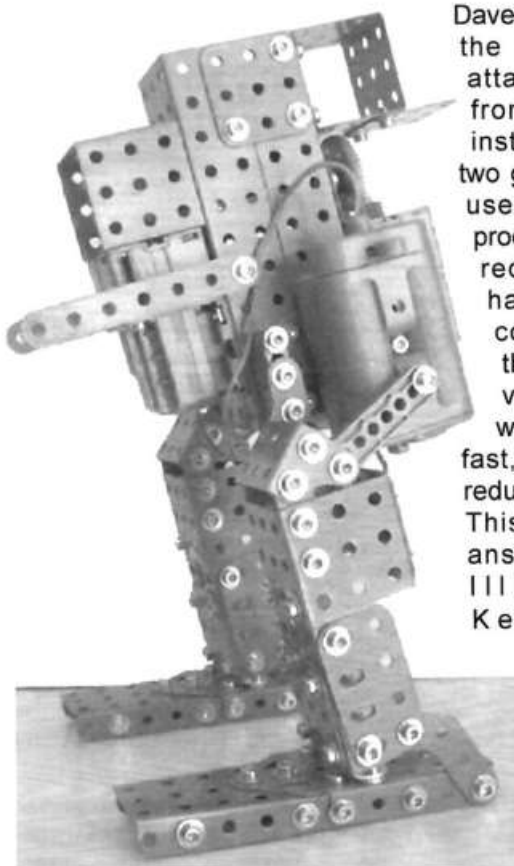
Wow, Dave, where can we get ours? :-)

Hi Orion, The short answer is of course Tokyo Japan. It says ( In English) on the box. "For Sale Only In Japan". Ironically, the set is produced in China of course. I've just had a call from a relative in Hong Kong at present and she has tried to pick up a set there without any luck.



*The completed "beast".*

points:- The three heads nod and lunge in and out alternatively. The wings move/flap through an arc of about 45 degrees. That is the extent of the animation. The model does not move forward in any way. The legs are firmly fixed to the body. Later, may introduce some "dragline" type walking motion to it. No time at present. It went together quite well, some difficulty coping with the allegedly  $1\frac{1}{8}$ " bolts which are about  $\frac{1}{16}$ " short. Extra 4mm brass washers had to be omitted frequently. The paint on the parts is excellent. It's quite an impressive model, stands over 650mm tall overall. Quality of pictures attached is poor, sorry, suitable lighting and backdrop not available, not to mention photographer expertise as well!. Cheers, Dave Denner. Melbourne, Oz



*Body and legs with battery pack*

Dave, It looks from the picture you attached taken from the instructions that two gearboxes are used in series, producing a 361:1 reduction. We have often commented in the past about vehicle models which were too fast, and needed reduction gearing. This seems an answer! George Illingworth, Kenilworth, England

Hi Folks, The King is now fully assembled. Some salient

The use of Spanner emails is acknowledged

## President's Address to NZFMM 2007 Convention

On behalf of the Wellington Meccano Club, I welcome you all here for the 2007 Convention and wish to thank them for all the work that goes on behind the scenes to put it all together. It is especially gratifying to welcome our guests and members who haven't attended a convention before. I would like those who this is their first convention and our overseas guests stand and introduce yourself with your name, your partners name and where you are from. Apologies - Alistair Tong, John Jordon, Brian Hickson.

Sadly I have to report the passing of our members - James Crarer, Napier; Ian Cameron, Hawera; David Barrett, UK David was a visitor to the NZ 2001 and 2005 conventions and subscribed to the magazine. ?????We offer our condolences to their families and ask you all stand for a minute's silence to remember these Meccanomen no longer with us. Thank you

My term as President started at the Hawera Convention in 2003, it's hard to believe that was four years ago and at this Convention it is time to hand over the reins. Unfortunately I have not been as active as in other years due to a change in my personal circumstances.

The NZFMM Magazine is strong and has grown to be a world-class publication with a circulation of 200 copies, with increasing overseas subscriptions. This is due to the excellent and varied content, coupled with a top class printing job from a new printing company and on quality paper but please keep the input coming from members with articles, photos and feedback. We are thankful to our Editor Bruce Neilson, and we have John Ince and Bob Prescott

assisting, with Bob's wife Anne proof reading. The finances are expertly handled by Lloyd Spackman who also writes a regular column, as does John Hansen. I would also like to thank everyone else who has contributed to the magazine especially Bruce Geange whose models and ingenuity are top class. I would like us to show our thanks in the usual way.

Thanks to Simon Moody for having the inspiration and organising a mid Convention gathering in the even year, unfortunately I had a clash last year and couldn't make it but did hear it went off very well.

Thanks to the sponsors of Prizes, Ashok Banerjee via Stan Baker and David Wall, Peter Hancock and Bruce Neilson for their balls-a-rolling.

Election of President. I have one nomination from Peter Hancock, are there any further nominations? Then I declare Peter elected. Round of applause.

I am told the new range of sets made by Nikko are selling well to Grandparents buying for grandchildren's birthdays and we the adult enthusiast. A step in the right direction are the 4 x 4 remote control sets, which have great play value after the model is built.

There seems to be an ever-increasing range of new replica parts available and buoyant trading in Meccano on the internet auction sites is observed.

It gives me great pleasure to announce the 2009 Convention will be held in Christchurch where the oldest continuously running club in the world is situated, something they can be very proud of.

Daryl Anderson, April 2007

## Convention 2007 Prize Winners

from Simon Moody, Wellington Meccano Club, NZ.

The prize winners, when judged by the participants (peers), were:

### Senior

1 - Les Megget for the Ashok Banerjee Supreme Model Award - mobile crane. The prize for this award was \$500 worth of Ashok's parts.

2 - Selwyn Bluett for 2nd place - tractor and baler

3 - Don Flowers for 3rd place - mobile crane

### Junior

1 - Alex Paterson - snowmobile

2 - Isaac Paterson - car

3 - Andy Lin - walking elephant

### Bruce Baxter Memorial Trophy, public vote

Don Flowers - mobile crane

I would like to take this opportunity to thank the exhibitors, participants and visitors, both local and overseas for their assistance and presence. (some of whom will not yet be home!).

## Ashok Banerjee Award for the Supreme Model

This prestigious prize was donated by Ashok Banerjee of India from the kindness of his heart for the 2007 Convention best model as judged by the exhibitors. Les Megget was awarded the \$500 prize for his Truck Crane (see elsewhere in this issue).

## Rolling Ball Competition

The four models presented did not meet the full rules of the competition and the judges invoked Rule 7 and awarded four consolation prizes of \$50 to each of the entrants.

The competition will be run again at the 2008 March Madness under amended rules which will be printed in the June issue of the NZFMMM.

## 2007 Convention, The Modellers and their Models

by Lloyd Spackman

**Daryl Anderson:** His Marble Ball Roller machine still working smoothly after several Conventions.

**Don Blakeborough:** Red/Green Showman Traction Engine with the colourful "Olivers". A 4ft tall Ferris Wheel with wheel diameter of 3ft. It has rubber band drive from the motors.

**Wayne Blakely:** Ferris Wheel from the Meccano Set and a Concorde model. Also his many parts and sets for sale.

**Selwyn Bluett:** A Howe truss bridge in dark green with wooden deck and grey emery paper for the roadway surface. The Excavator which won first prize at an earlier Convention and a mini-model of it. A 4-stroke single cylinder vertical Steam Engine. A tractor towed harvester and hay baler at  $\frac{1}{5}$  scale. The drive from the tractor is integrated into the harvester but can be disconnected if the tractor is required elsewhere.

**Don Flowers:** A very large Lorry Mounted mobile crane whose jib extended at least to 12ft. Built in red/yellow and with 10 motors, it was the centrepiece of the Exhibition.

**John Freer:** An amphibious truck; a Gladiator biplane; a twin cylinder steam engine; a 4-6-4 locomotive and tender based on the Special Edition Set # 0507 but modified and enlarged; a White half track troop carrier.

**Bruce Geange:** Hornby Rail layout using two 3-rail tracks. On Sunday Bruce was joined by members of the HRC. with a second layout. A Titan Blocksetter on rails; several agricultural models and a Meccano saw bench.

**John Hansen:** A Spirograph, Rolling Ball game, Horse & Chariot, Traction Engine.

**Gary Higgins:** Models from Speedplay Sets; a gold model of Capt. Nemo's "Nautilus" from the Crazy Inventors set; an Aeroscope with a 4ft arm. It was built from refurbished parts and painted grey. A searchlight and a towed 18 pounder gun from the 1940 Mechanised Army set.

**Brent Houston:** A Ferris Wheel from the Meccano 8257 set, modified and enlarged

**John Ince:** Three Meccanographs which were as usual popular with visitors; Archimedean ball lifter; Tower Crane; clockwork driven traction engine; Cook's "Endeavour", spectacular with its yellow sails.

**William Irwin:** Mini Differential analyser; Crazy Inventor set motor car. One of the Meccano Vintage Construction sets and a car built from it. Konkoly intermittent motion clock; three Marks & Spencer small sets which cost him £2 each in London late last year.

**Graham Jost:** "Educated Monkey" calculator game from a 1916 U.S. invention which was widely marketed. Graham also had one of the prototype games.

**Bryan Jones:** Framework of his Plasser railroad tamping machine. Bryan also collaborated with Laurie Webb on his displays.

**Nancy Jones:** VW "Abercombi"; green R/C car; several small set models and a small Electric Mobile Crane.

**Andy Lin (Junior):** From Set 8540 a Walking Elephant which went well once it was mended.

**Daryl Lundy:** Twin cylinder steam engine in red/green. Used a larger motor than the E20R motor in the SML 32 plans. Had two  $\frac{1}{2}$  :  $1\frac{1}{2}$  gear reductions.

**Keith McCallum:** Red Clayton & Shuttleworth traction engine and a red 4-6-4 tank locomotive. Both running smoothly.

**Les Megget:** Lorry mounted mobile crane with extending jib to about 12ft. It was a  $\frac{1}{8}$  scale model of a Grove R.T. 58 D crane. Also a mini model of this and a blue hatched 1935 Frazier Nash car.

**Mike Moloney:** A cane sugar railway locomotive and a small yellow/blue excavator which ran easily all day without pause.

**Simon Moody:** Large gantry crane; Traction engine; orange R/C car; Intermittent centrifugal motion model.

**Paulette Morton:** Special Edition black locomotive from Set 0507; several aircraft models including a twin rotor Chinook; a Stealth Bomber in bright colours; a F16 Tomcat and an Alouette transport plane.

**Bruce Neilson:** Smooth running red windmill; a navy digging madly with a jackhammer. By Sunday he had disappeared - perhaps had dug his way down to Spain!

**Lou Nichols:** 16 small models many of which were battery powered and running; these included a blue hatched Bugatti; Hamish McKarno robot; green Spitfire; a nice little traction engine; and a Roger le Rolland revolving railway and village.

**Andrew Palmer:** Twin cylinder steam engine from SML 32 built in red from reconditioned parts. Driven by a windscreen motor which gave plenty of power for fast, smooth running.

**Andrew & Isaac Paterson (Juniors):** A neat little snowmobile from the 2715 Set and a larger one in red and on a stand.

**Brian Peterson:** The Castle model with a siege in full swing; orange R/C car; little Big Ben; Spitfire; and the white Concorde model.

**Tom Pittams:** Dinosaur from a Speedplay set; orange R/C car and the Black Jeep also R/C; Ferris wheel from the 8257 Set; revolving arm driven by a No. 1 C/W motor with the Meccano Spitfire on one end and a modified helicopter on the other end.

**Eldon Porter:** Hydraulic crane and a colourful roundabout built from the parts in the Ferris Wheel Set.

**Bob Prescott:** A manually driven novelty model for the kids. Nice looking working tower crane in red & yellow; Red Arrows Hawk plane; London RT bus in bright nickel on a revolving stand; also a motor cycle and sidecar and his mini-models display case.

**Robin Rye:** The large un-powered Märklin Excavator; a Set 0508 Blue Renault Racing car; Tower Bridge from the Monuments Series; blue hatched racing car and several small agricultural models.

**Lloyd Spackman:** Twin Cylinder horizontal steam engine from SML 32. B/Y/N and driven by an E20R motor which was only sufficiently powerful to drive the model. Built-up flywheels with WRI channel segments were too heavy so I used flange rings and narrow strips instead. Speed reduction was by a rubber band from the motor, then a worm driving a  $1\frac{1}{2}$ " gear.

**Charles Steadman:** When asked if he had a model, Charles produced from his vest pocket a tiny blue & gold locomotive.

**Paul Vodanovich:** Paul had brought over 35 models, mainly red/green, including a sports car towing a caravan; paddle steamer, helicopter, and a Canadian Pacific 4-4-0 locomotive. It was an impressive display.

**David Wall:** Dragline powered by a Decaperm motor,

(continued on next page)

## Faces at Convention 2007

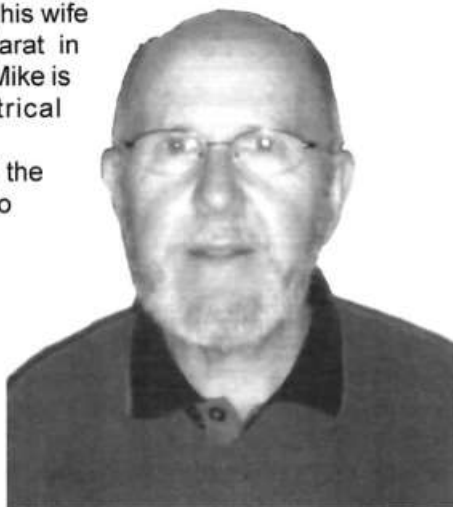
## Peter Dalliston

We welcomed:-

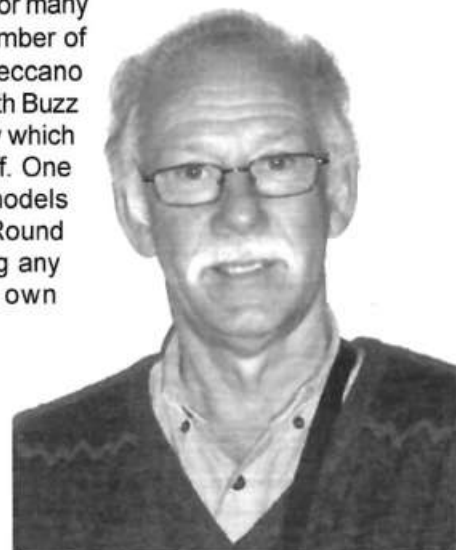
### Mike Maloney

Mike Maloney and his wife Mary hail from Ballarat in Victoria Australia. Mike is a retired Electrical Engineer

And a member of the Melbourne Meccano Club and the ISM. His Meccano days started in 1947 when he was given a red/green No 3 set. He enjoys building dockside cranes, bridges and locomotives.



Peter Dalliston and his wife Robyn live in Portland in Victoria Australia where they are building a house. Peter who is a retired Technical Officer worked for Telstra for many years and is a member of the Melbourne Meccano Club. He started with Buzz the Australian copy which led to the real stuff. One of his favourite models was a Merry-Go-Round and enjoys making any model of his own design. His most valuable Meccano item is a 1965 No 10 set which he bought for his son who turned out to be a daughter!



We also welcomed back Graham and Mary Jost from Melbourne and Michael Threlfall and his partner Angela from the United Kingdom all of whom have attended our gatherings on previous occasions.  
(Text and photos by Bob Prescott)

(continued from previous page)

swivelling on his GRB; a single cylinder marine steam engine which David said was used in the film "Africa Queen".

**Laurie Webb:** Yellow Plasser railway tamping machine with its bodywork complete and awaiting "the works". It was running on a 12ft track as was a R/G electric model of the locomotives used on the 75km Loetschberg line in Switzerland.

**Andrew Wells:** Present with his laptop and eager to help with any MotorVator problems. Also some R/C Tuning car sets.

**Don Wilson:** Last but very much not least was Don with a 5ft. long working model of an RB 211 aero jet engine run by a Hectoperm motor. And a working model of a 16 cylinder Wright Cyclone aero engine with a variable pitch propeller also driven by a Hectoperm motor. Also a curious model of a 1908 Multiplane which had seven wings. It was built at that time for one of the many attempts to fly a heavier than air machine.

Ref: MMGG13-20 Price: £19.95 (normal price £27.00)  
Issues 1 - 12 (Jan 1978 - Sep 1987, Black and white, A5)  
(Complete set including Index to Issues 1-11). Ref: MMGG1-12 Price: £19.95 (normal price £28.35)  
All issues available singly.

### Canadian Special Models. Complete set.

Published by the Canadian Modelling Association for Meccano & Allied Systems (CMAMAS). Modelplans by Alan Partridge, Don Redmond, Dr Keith Cameron, Colin Hoare, John Nuttall, Jerry Dubois, Mike Cotterill, Ernest Chandler and Rob Mitchell.

A3 booklets on glossy paper. Modelplans 1 - 15 black & white; Modelplan 16 full colour.

Ref: CSM1-16 Price: £29.95 (normal price £82.80). All issues available singly.

### Bert Love's Meccano Constructors' Guide

The standard and indispensable 'primer' for the Meccano modeller. The book (150 pages, A5 paperback) is an edited collection of a series of twelve articles published in 1970 in the Meccano Magazine.

Lavishly illustrated, mostly with photographs of actual models and mechanisms, its 12 chapters cover basic construction, use of pulleys, sprockets and gears, basic crane structures, winding gear, rotating superstructures, movement on rails, traction engine details and mechanisms, crawler tracks, fairground machinery, vehicle mechanics, further vehicle mechanisms and electrical circuits for motors and lights.

Ref: MCG MW Mail Order price: £3.95

(continued from page 21)

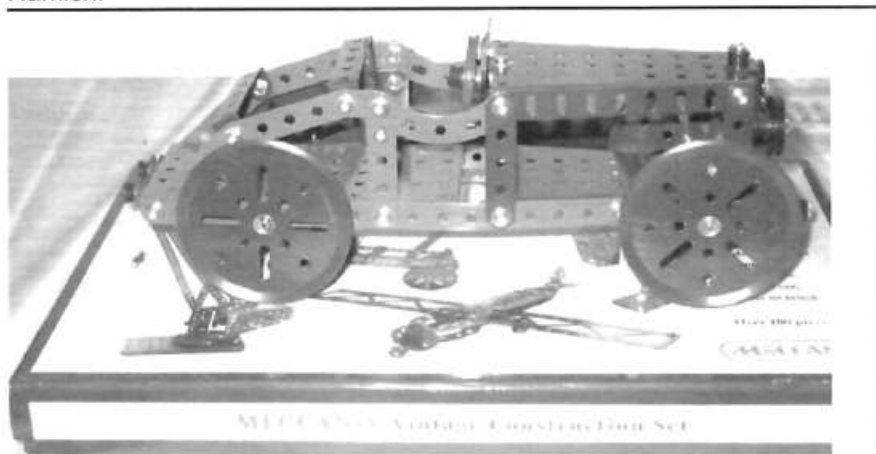
### Midlands Meccano Guild Gazette Issues 13-20 (September 1988-April 1999) Originals Complete set

These magazine-quality journals are still considered to be the finest and most professional Meccano publications ever, each containing several archive-standard articles and at least one full model plan. (Colour. Issue No. 13 A5, Issues No. 14-20 A4)

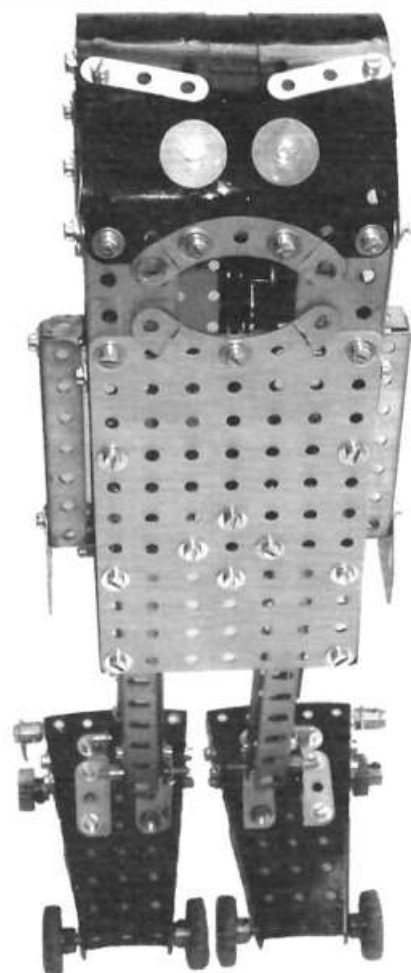
**Les Megget, Auckland. writes:**

**John Riley, Surrey Hills, Victoria, Australia. writes:**

For interest I have enclosed a photograph of Groucho McKarno, a close relative of Hamish.



*This is William Irwin's Vintage Set model photographed by Bruce Neilson*



Here is Grouch McKarno. He is easily recognisable as the brother of Hamish! (see August 2006 mag.)

**Marks & Spencer Vintage Set (set No. 0230).**

## Parts List

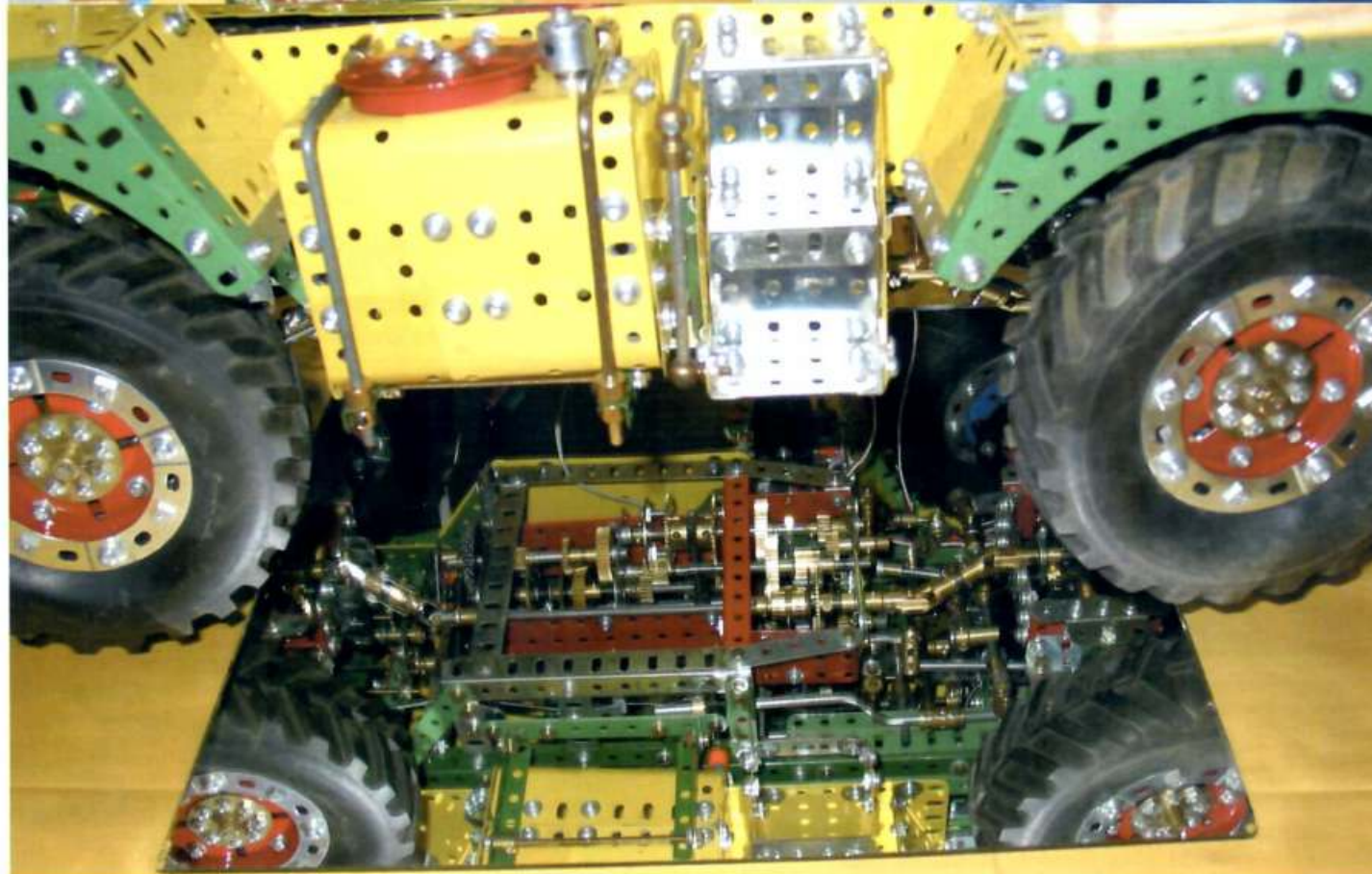
| Old No | New No | Col. Description               | Size         | Qty | 38a       | A238                            | bk pl, Plastic Washer 1/4" thickness | 4   |
|--------|--------|--------------------------------|--------------|-----|-----------|---------------------------------|--------------------------------------|-----|
|        |        |                                |              |     | 40d       | A504                            | bk Hank of Cord                      | 2   |
| 1      | A301   | gr Perforated Strips           | 12 1/2"      | 2   | 48a       | A448                            | rd Double Angle Strip 2 1/2" x 1/2"  | 5   |
| 2      | A202   | gr Perforated Strips           | 5 1/2"       | 4   | 52        | A852                            | gr Flanged Plate 5 1/2" x 2 1/2"     | 1   |
| 5      | A105   | gr Perforated Strips           | 2 1/2"       | 3   | 54        | A185                            | rd Flanged Sector Plate 4 1/2"       | 2   |
| 5      | A105   | rd Perforated Strips           | 2 1/2"       | 5   | 57c       | A195                            | bk dc, Hook, loaded                  | 1   |
| 10     | A010   | gr Fishplate                   |              | 4   | 90a       | A271                            | gr Curved Strip, Step. 2 1/2"        | 4   |
| 11     | A720   | gr Double Bracket              | 1/2" x 1/2"  | 2   | 99        | A292                            | rd Braced Girder 12 1/2"             | 2   |
| 11a    | A721   | gr Double Bracket              | 1" x 1/2"    | 1   | 111a      | A411                            | zn Bolt 1/2"                         | 2   |
| 12     | A012   | gr Angle Bracket               | 1/2" x 1/2"  | 4   | 125       | A361                            | rd Reversed Angle Bracket 1/2"       | 1   |
| 16     | A116   | zn Axle Rod                    | 3 1/2"       | 2   | 126       | A126                            | rd Trunnion                          | 2   |
| 17     | A017   | zn Axle Rod                    | 2"           | 1   | 147d      | A247                            | zn Pivot Bolt 9/16"                  | 1   |
| 18a    | A918   | zn Axle Rod                    | 1 1/2"       | 4   | 147g      | A347                            | zn Pivot Bolt 29/32"                 | 1   |
| 18c    | A518   | zn Axle Rod                    | 1 1/4"       | 1   | 315       | A315                            | zn Axle Rod Triangular 5"            | 1   |
| 19b    | A519   | rd Pulley. with boss           | 3" diam      | 4   | 315b      | A428                            | zn Axle Rod Triangular 4"            | 1   |
| 19s    | A919   | zn Crank Handle                | 3 1/2" shaft | 1   | 317       | A317                            | zn Axle Rod Triangular 2"            | 1   |
| 21p3p  | A621   | or pl, Pulley. triang. hole    | 1 1/2" diam  | 1   |           | B487                            | gr sst, Flexible Perf. Strip 2 1/2"  | 4   |
| 22ap   | A625   | bk pl, Pulley. without boss    | 1" diam      | 4   |           |                                 | Total                                | 169 |
| 22b3p  | A627   | or pl, Pulley. triangular hole | 1" diam      | 1   | bk black  | dc diecast                      | zn zinc plated                       |     |
| 23bp   | A524   | rd pl, Pulley. without boss    | 1/2" diam    | 3   | gr green  | pl plastic                      | rb rubber                            |     |
| 23c3p  | A623   | bk rb, Rubber pulley           | 3 7/8" diam  | 14  | or orange | sst spring steel                |                                      |     |
| 34     | A134   | bk Spanner for square nuts     |              | 1   | rd red    | All bolts have hex socket heads |                                      |     |

## The First and Second Models at Co

On the left is Les Megget's magnificent Truck Crane. It is equipped with a complicated gearbox nicely visible to everyone by virtue of the mirror under the truck. See picture at the bottom of the page.  
(Photos Bruce Neilson)



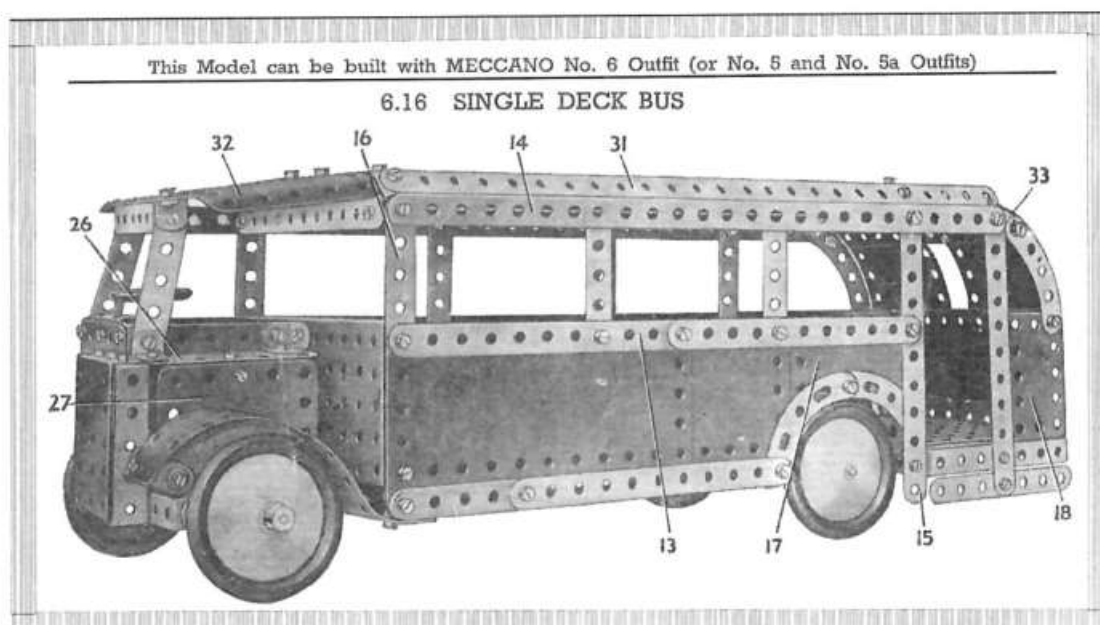
For those who can't cope with large models, Les also displayed a miniature version of the same truck crane. It is pictured here.



## Second Prizewinning Invention 2007



Selwyn Bluett produced excellent models to take second prize. The pick-up baler is certainly very realistic and is attached to an equally well constructed tractor. Just the thing for a mechanically minded farmer.  
(Photos Bruce Geange)



## N.Z. FEDERATION OF MECCANO MODELLERS

### Income & Expenses, April 2006, to March 2007

| 2005/6 |                                  | 2006/7               |
|--------|----------------------------------|----------------------|
| 3105   | Cashbook balance, April 1, 2006  | 3053.48              |
|        | <b>INCOME</b>                    |                      |
| 2763   | Subscriptions - N.Z.             | 3022.00              |
| 1941   | Subscriptions - Overseas         | 2232.08              |
| 214    | Subscriptions in Advance         | 90.93                |
| 308    | Casual Sales & BackCopies        | 103.96               |
| 59     | Donations                        | 124.25               |
| 5285   |                                  | 5573.22              |
| 8390   |                                  | 8626.70              |
|        | <b>EXPENSES</b>                  |                      |
| 3276   | Printing 6 issues                | 3575.95              |
| 136    | Printing Back Copies             | 28.71                |
| 15     | Printing Members List            | 18.90                |
| 1671   | Postage on 6 issues              | 1719.80              |
| 72     | Postage on Back Issues           | 33.40                |
| 89     | Plastic Wrapping                 | 116.30               |
| 47     | Envelopes                        | 46.99                |
| 20     | Labels                           | —                    |
| 11     | Bank Charges                     | 1.00                 |
| 5337   |                                  | 5541.05              |
| 3053   | Cash Book Balance, March 1, 2007 | 3085.65              |
|        | <b>Bank Reconciliation</b>       |                      |
|        | Cash Book Balance March 1, 2007  | 3085.65              |
|        | plus 2007/8 D.C. payment         | 30.00                |
|        |                                  | 3115.65              |
|        | <b>Mailing List</b>              | <b>March 1, 2007</b> |
|        | N.Z.                             | 132                  |
|        | O/seas                           | 71                   |

## A Photograph or a No 10 set

by Simon Johnson

Recently a photograph entitled "The Meccano Bus" was sold at Webb's auction house with an estimate of \$3000 to \$5000. The Meccano bus in the Webb's catalogue photograph looks like model 6.16 from the old 1954 No 6 Manual and is posed outdoors on a pile of gravel.

The photographer, Peter Peryer, is best known for his shot of a dead steer on the side of a country road. This photograph was exhibited in Europe which worried the NZ farming community. A bad reflection on our agricultural exports, etc.

A nice photograph to hang on the wall of your hobby room if you are lucky enough to have one, but at \$3000 to \$5000 you could buy a good No 10 set.

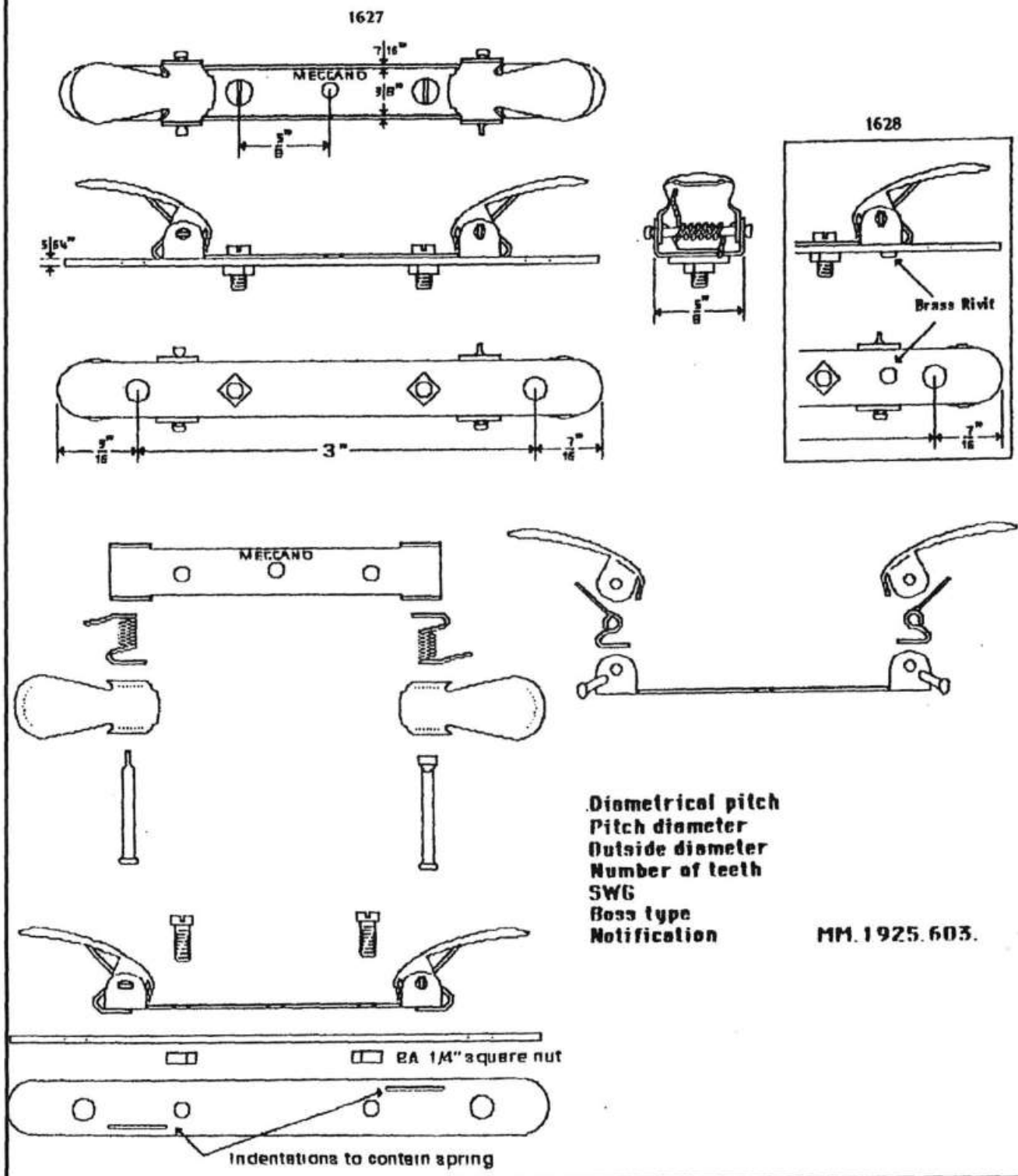
*Ed. The above illustration is from the Meccano instruction manual. If you would like a quality copy, suitably framed, then please contact the Editor - have your cheque book handy as this sort of thing does not come cheap. For a substantially higher price the Editor might be prepared to build the model and supply a framed photograph of it. Just think what a great asset this would be to your estate.*

## Collecting Shoe

This illustration of Part No 149, the Collecting Shoe, is from Don Blakeborough's Encyclopaedia of Meccano Parts and is reproduced with his permission. In the February 2007 issue of this magazine on pages 8 and 9 we described the Gauge 0 Locomotive built by Bruce Geange. Bruce made his own version of the Collection Shoe from the details and dimensions illustrated.

The Collection Shoe was produced by Meccano Ltd from 1925 until 1940. One was included in the the No 7 Set in the late 1920s.

1511.04.02.93. Compiled by Don Blakeborough. 91 Cornfoot St, Wanganui, NEW ZEALAND. (06) 344 5924 Page 149



The use of Spanner emails is acknowledged

**Then and Now** - I wouldn't be too hard on the authors of Vol 6. While Uncle Bert has gone to the great Binns Road in the Sky, Jim is still very much around and a personal friend. But I would say in all honesty that, knowing both him and most of the collectors in the English end of the hobby, you know probably more about your chosen period that the whole lot put together!

But let's be honest. The advent of both Spanner and eBay has enabled us to exchange information at rates undreamed of by our forebears, including the writers of volume 6. I often reflect on this when the occasional criticism of DMS and earlier writings crops up. I have all Bob Hauton's Meccano papers and it becomes quickly apparent from them that he spent half a lifetime in laborious worldwide correspondence about the subject, following up leads on friends of friends and on folk who a third or fourth-hand contact might have suggested might know something fresh. That took time almost beyond our comprehension - searches that to-day might occupy no more than a day or two's correspondence in the columns of Spanner and with photos for good measure!

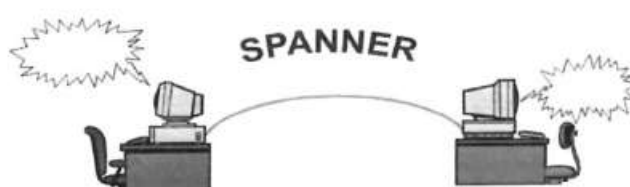
This was also in the days when he and G Maurice Morris spent endless pages sketching rare parts so that Meccanomen might make their own - whereas to-day our dealers have a large swathe of such things. And now scarcely a day goes by when you cannot bid for a K oil can on eBay! Thus has the world of communication transformed out of recognition our simple pastime. (*Geoff at Lincoln*).

**CMAMAS Website** - This is to let you know that the Canadian Modelling Association for Meccano & Allied Systems (CMAMAS) is now hosted on a new web hosting service. We have removed our access to our old web server so we cannot put in place any redirects. Consequently if anyone tries to access the old URL <[www.memeshadow.net/cmamas/](http://www.memeshadow.net/cmamas/)> they will get a "NOT FOUND" error message. Come and see us at <[www.cmamas.ca](http://www.cmamas.ca)>.

**Radio Control Code of practice** - The Telford and Ironbridge Meccano Society (TIMS) has formulated a code of practice that will be enforce for all Meccano radio control models that are showed at club meetings and Meccanuity. This is to help prevent accidents especially when two or more models are controlled with the same frequency. It is similar to radio controlled model clubs and the rules they adhere to.

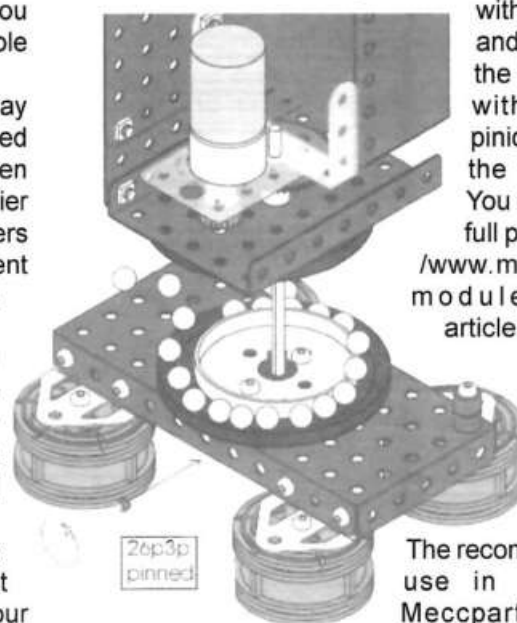
We hope it goes down well as no one likes to see damage to models or accidents to people. If clubs wish to adopt our code of practice, then please feel free to do so, but we do ask to credit TIMS with the issued code. All details on the website <[www.tims.org.uk](http://www.tims.org.uk)> (*Dave Harvey, TIMS*).

**Bearing** - I need some advice with turning my crane. I have a Wheel Flange P/N 137 and the large plastic Washers P/N 38a as rollers jammed between two 3" Pulleys P/N 19b. Currently it is rotated by rubber band and a smaller Pulley. I would like to use the 3 volt 770 motor (I've got a few of these) to direct drive it. So, firstly is this a good idea and if so



what gears should I use? I'm guessing something like a 180 gear ring and a ??, (*James Bennett, Christchurch, NZ*).

Have a look at the attached which shows a small part of a robot base turntable, using the same basic method (balls or P/N 38a as the rollers),



with the vertical shaft and 57T gear fixed to the lower section and with a motor and pinion "rolling around" the fixed 57T gear. You can download the full picture from <<http://www.meccanisms.com/modules/xfsection/article.php?articleid=2>> (this picture is in Part 6 if you don't want to do download the full plans).

The recommended motor in use in the plan is a Meccparts slow geared motor. Depending on the

weight to be turned and the speed required, to Meccano motor might be too fast or too gutless. Using a larger (e.g. 2.5" 133T) Gear in place of the 57T would help. (*Andrew Wells, NZ*).

**Meccano lost in Fire** - This fire consumed the whole roof of our house, destroying all my life long collection of Meccano models, outfits and parts, all the books of my personal library, my whole home shop - bench, machines, tools, along with several weird items that one keeps in the attic. No one was hurt and the two lower floors were damaged just by some leakage of the water applied by the firemen to extinguish the fire. Being 62 years old I do not intend to start it all over again.. (*Edmundo Veiga*).

**On Line Parts Museum (OPM)** - The online parts museum is now open for business. The business of collecting pictures, that is! I have struggled for several days to overcome the standard problem with websites like this, in that each time a picture is received the website needs to be edited to connect to it. Call me lazy, but I don't want to have to do this as it may delay the attachment of new pictures (and believe me there are going to be a lot of pictures!). I have added a DMS parts listing to the bottom of the parts listing (on part number 1, for the moment). It's on <[www.nzmeccano.com/Parts.php](http://www.nzmeccano.com/Parts.php)> after you click on the perforated strips and scroll right to the bottom of the page. The idea is that each parts page has nice chat and stuff about the parts, but the serious action for anoraks and collectors is always at the end. Parts of which we have pictures are shaded in green. Not many,

(continued on next page)

**MECCANO AT MOTAT:** William Irwin reports that the Meccano crystal radio receiver is again on display together with other crystal sets in the Telecommunications Hall. And the restored Cambridge Meccano Differential Analyser (two integrators and a plotting table) will be going on display shortly as part of a history of computers exhibition.

**SCHOOL WAS NEVER LIKE THIS:** My son in New Jersey, USA, tells me a college student who works part-time in his office has a life-sized three months old doll. It is wired with microchips and turns on at 4.30pm daily and cries. The student is monitored by the doll as regards burping it and giving it its bottle, etc. She is doing a child care class and gets marks taken off if she ignores the doll which records her responses on some sort of read out at the school.

**SEARCH FOR OUR NAME:** In Italy, one of the top bands are the "Meccano" twins. Hence the greatest number of hits of any city for the word 'Meccano' is in Florence, Italy. If you search for Meccano on the local equivalent of Trademe about a quarter of the listings can be for Meccano brand clothes. (*Stan Baker on Spanner*)

**QUOTATION:** "Enjoy what you understand. There are far too many things we will never understand and we shouldn't ever let that overwhelm us". (*Anthony Burkett on Spanner*)

**WHO OWNS NIKKO-MECCANO?** Dave Taylor said on Spanner he has been told that Nikko owns only a controlling interest in Meccano and the remainder is owned by a French family business. Sounds possible, doesn't it.

**2007 CATALOGUE:** The Red Arrows Hawk model and the 1930's Vintage Set are in the 2007 Nikko-Meccano catalogue. The old Design sets 2, 3 & 4 are gone, being replaced by New Generation Design sets. (*Andrew Wells*).

**"MECCANO" CLOTHING JOBS:** The "Meccano" clothing



retail store in Porirua has been advertising for staff. They describe themselves as a "progressive multi-store company selling quality fashion apparel".

**PREVENTING COLLISIONS:** Telford Ironbridge Meccano Society has formulated a code of practice for Meccano radio-controlled models that are shown at Club meetings. This is to help prevent accidents when one or more models are using the same frequency. It is similar to that used by R/C model aircraft clubs.

**NIKKO CONSULTS:** Nikko-Meccano's UK representative has asked Geoff Brown for suggestions from Meccanomen for a set similar to the 2006 Vintage Construction set. They are looking to produce one next year which would also appeal to adults.

**MOTORVATORS:** Jack Parsisson in Melbourne has two of Andrew Wells' MotorVators. One controls his Falkirk Wheel and the other controls six motors on the excavator Jack built recently. Jack acknowledges the help Andrew gave him with some small programming problems and says the MotorVators bring Meccano models to life

**CONVENTION 2007 STATISTICS:** 41 exhibitors displayed 259 models (I counted them). Paul Vodanovich excelled with his 35 mainly red/green models.

**JET ENGINES:** Thanks to Don Wilson, many children (and adults) now have a greater understanding of how jet engines work. Don's model of a RB211 aero jet engine attracted crowds and his explanation was very easy to follow.

**MODELS:** There were plenty of traction engines of all sizes. Also at least three orange R/C cars and three Little Big Bens, and three models of SML 32, the Horizontal Twin-cylinder Steam Engine. The best was by Andrew Palmer from Nelson. Driven by a windscreen wiper motor it ran fast and smoothly for all the three days.

(continued from previous page)

right now! But the table is set up so that it is searching for and expecting the pictures. All that one needs to do is take a picture of any part and save it with the DMS number as the filename, such as "1001aA.jpg", then email it to me or to the link given on the website at the bottom of the table. I can immediately transfer it to the server and it will be picked up automatically by the website.

Hopefully this will mean that it's really easy and quick to add new and missing parts. I'm open to any offers of any pictures (not just the strips), but of course you shouldn't worry too much about easy stuff like medium green and zinc. I have almost no dbdy, very little MME, and very little of the Multikit sets (out of the box). It's the rarities we'd like to see! It would be nice if we could standardise on some form of scale — I've been working on about 100 pixels per inch of the Meccano part, so 5 1/2" Strips are shrunk to 550 pixels wide (plus a bit for the margins). This will mean that

each part that pops up will be roughly to scale and will make recognition easier. This won't be appropriate for the largest and smallest parts, but it's an idea.

Thanks very much for everyone's extremely kind comments both on and off Spanner about the progress. (*Charles Steadman, Christchurch, NZ*).

**2007 sets into NZ** - Here is a rough idea of when the newly announced Sets should be available from us here in NZ  
Design - 5077N New Generation 2 June; 6700N New Generation 3 Aug; 7700n New Generation 4 Aug; Red Arrows no delivery date yet; Mechanical Workshop Aug; Vintage 30s June; Mini Tuning March; Tuning RC Sounds System (with MP3 Tuning Hookup) Aug; Spyke Spy Robot October. (*Andrew Wells*).



## Constructor Quarterly No 75 March 2007 Review

by Bruce Neilson

The front cover has the Marks and Spencer 2007 'Vintage Construction Set' in red and green and a Roadster car model built from the parts therein and the fertile brain of

Bernard Perier.

Pages 4-8 – Bernard Perier reviews the Red Hawk and Vintage sets and shows how skill and imagination can create variations for the Hawk and at least eight smart new models from the Vintage set.

Page 9 – How to rip the wheels off the Radio controlled 6950 and 8951 chassis and replace with Meccano wheels.

Pages 10-15 – Want to build the plural of Bus? That is, double and single AEC Regent of the 1950s with 2" pulley wheels and about 21" long. Good pictures and text.

Pages 16-23 – If you have some understanding of Direct Shift Gearbox (DSG) as used by Audi and Volkswagen, servos and radio control, and computer QBASIC programming, then you can build and run this Meccano demonstration model.

Pages 24-30 – Did you know that in 1929-31, Erector and Meccano collaborated to produce the 'Meccano Ship Building Set' with twelve special parts for sale within the USA? Details and pictures of the special parts and the models that can be built are featured here.

Pages 32-35 – The 154" AAT telescope reproduced in Meccano with a general description.

Page 35 – Bill Thacker (CQ cartoonist) obituary.

Pages 36-37 – Working demonstration model of Sir George Cayley's 'Wing' machine to understand the curve of the wing and the degree to which the wing is tilted. From this type of experiment, aeroplanes eventually were built.

Pages 38-40 – John the Navvy by Bernard Perier. Brilliant! John is on the jack hammer (driven by a simulated air compressor) doing six strokes a second with his arms and head vibrating and hanging onto his cigarette.

Page 42-43 – Among the Model Builders – Gear troubles in heavy Meccano models, P/N 606 Meccano Relay requirements and improvements to Percy the Ping-Pong Porter (CQ 57).

Pages 44-46 – A nice Tower Crane but the bearing for the jib is non-Meccano and will need redesigning.

Page 46 – For those modellers who skite that they have never built a GBS (Giant Block Setter crane) redemption is now here. 1 1/2" inches high and 5 1/2" long.

Pages 48-49 – Percy the Ping-Pong Porter taken to new levels with Percy sending the ball to his twin Paul who drops it onto a cascade, tracks across to the lift and back up to Percy.

Pages 50-52 – Bernard Perier improves the Piper Cub Aeroplane from the 1960s No. 4 manual with a number of modifications to produce a much more realistic model.

There is one letter among the self-congratulatory collection that is of interest. The new Tuning radio controlled sets can be played with by a child straight out of the box with the insertion of batteries into the bare chassis ie 'plug and play'. After playing this way for a while, the next stage is an interest in constructing the body shell with the supplied Meccano parts. Perhaps Nikko have recognised a new way to immediately interest today's children in a Meccano set.

## The International Meccanoman No 50 January 2007

The Chairman, Adrian Williams, must be a happy man. He was able to announce a colour centrefold for this issue, the 2007 Year book and what must be the bargain of the year, a CD Rom with back issues 1 to 49 plus extras plus index for £12 including post and packing to members.

Page 5 – Don Redmond, Canada, is profiled.

Page 6-7 – Letters to the editor with the strong suggestion that you record your models for posterity in photographs and model plans. Pages 8-9 – Model Building Technology covers Gearing using Root 2, Framework built of tetrahedrons, centre tail fins, clutch for triflat Axles and at least seven ways to model headlights.

Pages 10-11 have a bonus Model Building Technology featuring flexible track.

Pages 12-14 by Willy Dewulf is Part 7 in his series of inventing models and looks at inertia and balance, and a list of his model plans available for purchase.

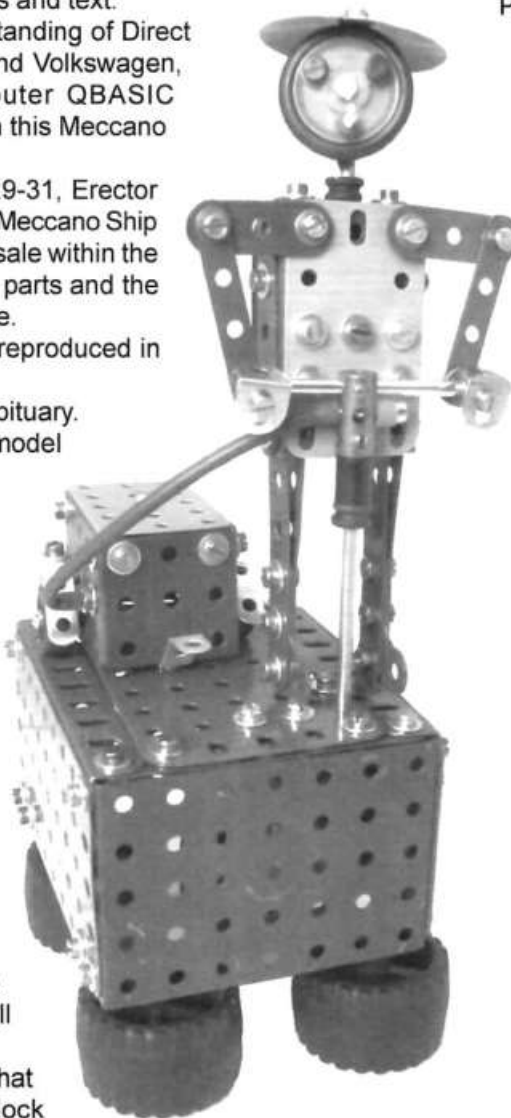
Pages 16-17 features in colour a variety of faces and models from around the world.

Pages 18-19 – 1910 Model T Ford model.

Page 20 – Get two fingers from the Robot Hand.

Page 21-22 – A clock with digital numbers driven by cams and relays.

Pages 23-31 highlights faces, models and write-ups of exhibitions from Toronto, Melbourne, Milano-Novegro, and the Transvaal.



Bruce's version of Jack the Navvy

# March Madness 2008

**Book your Accommodation by email or telephone NOW**

## Dates:

Friday 14, Saturday 15, Sunday 16, March 2008. This is the weekend before Easter.

As for the last two March Madness episodes, Friday is travel day. Saturday afternoon is the main thrust of the event and Sunday morning workshops.

## Location:

Aotearoa Thermal Resort, State Highway 41, Tokaanu (just around the corner from Turangi). ph (07) 386 8873, fax (07) 386 8853, Email <tokaanu.hotel@xtra.co.nz>.

## Accommodation:

At the venue; variety- family suites (6-7 persons) \$150/night, through to studios and normal units \$105/night. You are welcome to stay elsewhere or just come for the day.

## Meal At the venue:

Four course buffet at \$25.00 per head

## Program:

Socialise all the time, along with: Saturday afternoon Rolling Ball Challenge and Meccano subjects, Saturday evening group meal.

Friday afternoon, Friday evening, Saturday morning and Sunday morning programmes to be advised.

## Challenge:

Rolling Ball Challenge courtesy of Messrs Hancock, Neilson & Wall. Amended rules will be in June issue of NZFMMM.

## Important bit:

After the last March Madness in 2006, I sought out a new venue but that is now booked solid. Similarly, last years venue is partially booked. This is due to tour groups booking these venues a long way in advance.

For this 2008 March Madness to proceed, **you have to book now!**

When booking, tell them it is under the group booking of the NZ Federation of Meccano Modellers.

## Aotearoa Thermal Resort:

ph (07) 386 8873, fax (07) 386 8853, Email <tokaanu.hotel@xtra.co.nz>

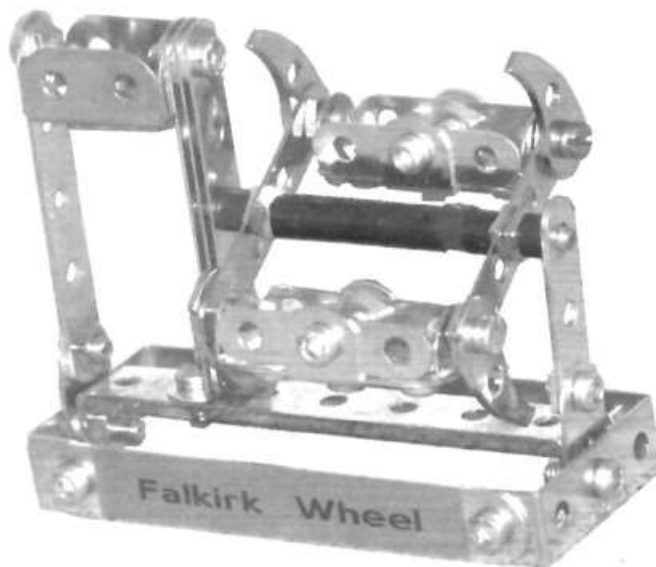
## Falkirk Wheel – mini version

by Paul Dale, Australia

*The use of Spanner material is acknowledged.*

I'm mightily impressed by Jack Parsisson's Falkirk Wheel <<http://tinyurl.com/yvp5nj>> which was inspired Geoff Bennett's model and subsequent CQ write up. It looked to me like the curves at the end of the arms were close to that of a Pawl without boss so after much further thought I sat down and made a model based on that scale. This made the core model roughly 3 1/2" long, 2 1/2" height and 1/2" wide! The circular entry sections around the gondolas are about the size of a standard Washer and the arms of the wheel roughly a Narrow Strip's width and 2" height.

I'm happy enough with the wheel assembly, the framework hasn't come out as nice as I'd have liked but there really isn't a lot of room to move in something so small.



## Parts List

| P/N | Description         | Size                   | Qty | P/N  | Description        | Size                 | Qty |
|-----|---------------------|------------------------|-----|------|--------------------|----------------------|-----|
| 3   | Perforated Strip    | 3 1/2"                 | 2   | 48   | Double Angle Strip | 1/2" x 1 1/2" x 1/2" | 2   |
| 6a  | Perforated Strip    | 1 1/2"                 | 2   | 48b  | Double Angle Strip | 1/2" x 3 1/2" x 1/2" | 1   |
| 10  | Fishplate           | 1"                     | 2   | 51c  | Flanged Plate      | 1" x 1 1/2"          | 1   |
| 11  | Double Bracket      | 1/2" x 1 1/2" x 1 1/2" | 2   | 111c | Bolt               | 3/8"                 | 8   |
| 12  | Angle Bracket       | 1/2" x 1 1/2"          | 7   | 147c | Pawl No Boss       |                      | 4   |
| 37a | Nut                 | Square                 | 32  | 235  | Narrow Strip       | 2 1/2"               | 5   |
| 37b | Bolt                |                        | 20  | 235g | Narrow Strip       | 1 1/2"               | 6   |
| 38  | Washer              |                        | 6   | 235h | Narrow Strip       | 2"                   | 2   |
| 38b | Mini Plastic Spacer |                        | 10  |      | Screwed Rod        | 2 1/2"               | 1   |

## BUILDING THE GREAT PYRAMID SOME EGYPTIAN TOOLS MADE IN MECCANO

by Tom Pittams

For centuries people have marvelled at the size and alignment of the Great Pyramid at Giza. Some people in recent times have thought that the engineering feat could not have been achieved by the Egyptians of circa 2500 BC. They must have had help from some extra terrestrial beings. More than that, some people say that the pyramid was never a tomb at all but a monument with some mysterious historical message in its measurements. But true Egyptologists do not accept such theories. So how was the mathematics done?

A cubit is the length of a man's forearm. An average in 2500 BC was about 450mm. There was also a Royal cubit which averaged about 525mm. For measurement a **Cubit** was reckoned as being seven **Palms** and a palm as four **Fingers**. In practice a stick was cut and used as the cubit for the task at hand. For longer measurements a rope was knotted at cubit lengths

The Great Pyramid was a tomb. Workmen of the time scrawled the name Khufu on a wall inside.

The Pyramid is 146.5 metres high, which comes to 299 cubits of 490mm. Each side is 230.33 metres, which comes to 470 cubits of 490mm.

The sides are aligned to true North and true East with a maximum error of 3 minutes, 6 seconds.

The slope of the pyramid side is 51 degrees, 50 minutes and 35 seconds.

The stone slabs inside are not perfectly shaped and fitted but packed with stones and plastered with gypsum. The massive stones on the outside are carefully shaped and the outer sides honed when in place.

The ancient Egyptians knew that a rectangle of sides three and four had a diagonal of five units. Thus a **Right Angle** could be formed. This was needed for resurveying properties after the annual floods of the Nile.

**Perpendicular** was found using a Plumb Bob. And a Plumb Bob fitted to an 'A' frame formed a useable **Level**.

**True North South** was found in a couple of ways. One was by plotting the sun's shadow of a perpendicular stick on level ground through a day. The shadow length will be the same for times equally distant before and after noon. A better way was to plot the setting and rising of a chosen star against a level horizon, using a forked stick sight and an assistant with a plumb bob. An angle can be found which when divided in half gives true North-South.

The required **Slope Angle** is found by rising one cubit in 5.5 palms on the horizontal. That is 28 fingers in 22. This figure, 28/22, is the Tangent of 51 degrees, 50 minutes, 34 seconds. Not too bad.

### A Simple Way of Representing the Ancient Egyptian Mathematical Tools in Meccano:

**Palm** (Fig 1) - A Finger can be represented by a Fishplate, P/N 10. Four Fishplates will join to make a Palm. A Palm

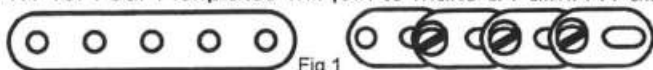


Fig 1

can be represented by P/N 5.

**The Cubit** (Fig 2) may be represented by a 29 hole Strip made up of Strips such as P/N 1 and 5, or 1 and 3 for rigidity. Remember that when counting you have to start with a hole No 0.. Seven five hole Strips P/N 5 (or seven Palms) bolted together, end to end, make up a Cubit.

**The Right Angle** (Fig 3) The Egyptians discovered that a rectangle three units by four units has a diagonal of five units. Thus a right angle can be made for surveying

purposes. P/N 4, 5 and 6 will give a right angle.

**Perpendicular** (Fig 4) was found with a Plumb Bob. In Meccano this can be made with P/N 40, 32 and a Nut tied on the end of the Cord to stop the Worm from dropping off.

**Spirit Level** (Fig 5) - The modern spirit level can be replicated by an 'A' frame formed by two of P/N 1a and a P/N 2 bolted five holes from

the feet which are Angle Brackets. The Plumb Bob is fastened so as to hang from the peak of the 'A' frame. A Fishplate in the centre hole of the P/N 2 will mark the horizontal.

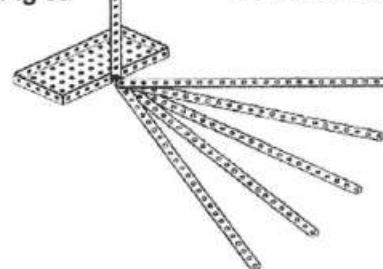
**True North** (Figures 6a and 6b)

- To find True North - Notice that in fact we are

finding True South when in the Northern Hemisphere. A stick to provide a Sun Shadow can be made from P/N 1, 12 and 52. Plotting the sun's shadow around midday gives rough idea of where South is. To find it accurately one needs a Y stick which is made of P/N 1b and two P/N 5, and a Square cum Rhombus made up of four parts P/N 1 using half inch Bolts and lock Nuts. An assistant with the Plumb Bob helps one sight the direction in which a chosen star rises and sets, and the Rhombus- set in the V of the sightings shows where true South, and hence North, is.



Fig 6a



**Slope Angle** (Fig 7) is chosen by making a kind of Set Square (used in cabinet making). The handle represents the level distance, and the blade the height gained in that

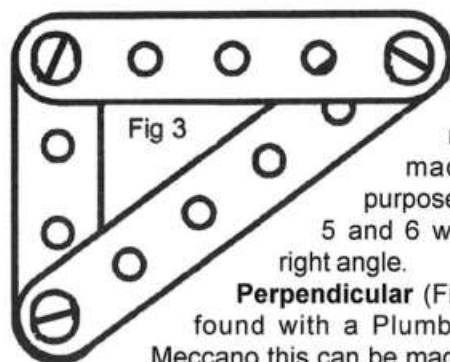


Fig 3

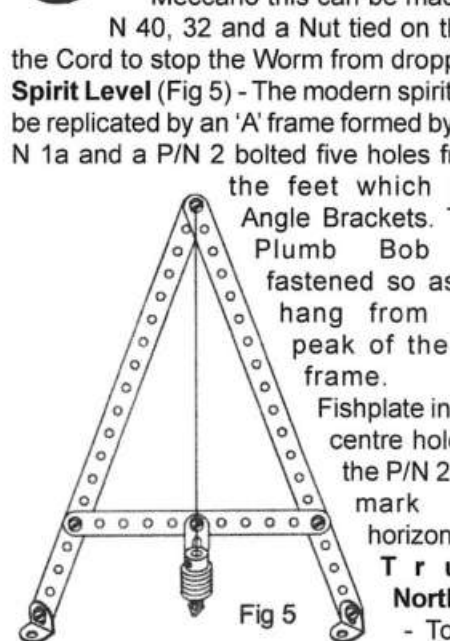


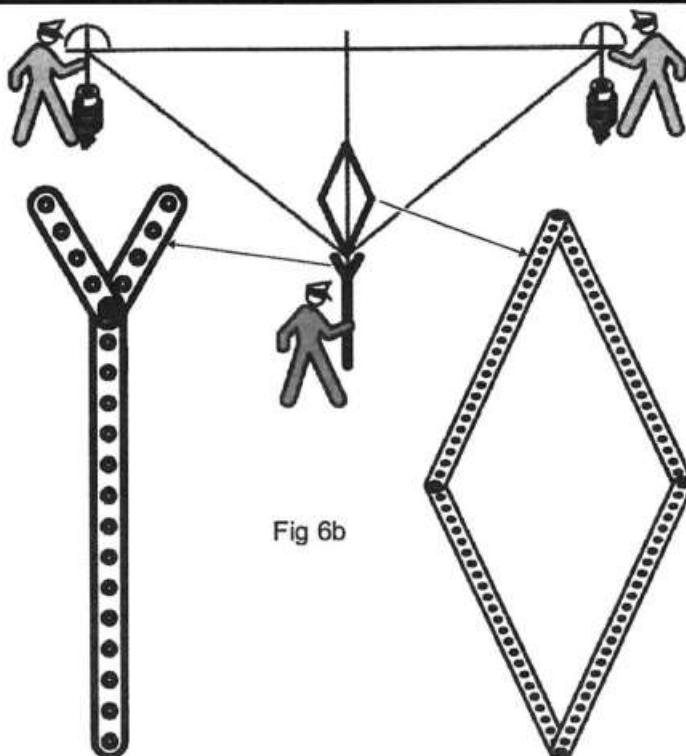
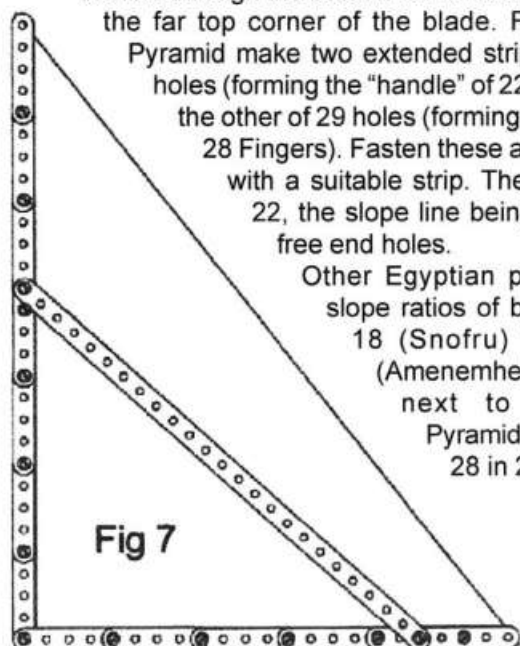
Fig 5

Fig 4



distance. The slope is not physically represented- it is the line through the bottom corner of the handle and the far top corner of the blade. For the Great Pyramid make two extended strips, one of 23 holes (forming the "handle" of 22 Fingers) and the other of 29 holes (forming the "blade" of 28 Fingers). Fasten these at a right angle with a suitable strip. The rise is 28 in 22, the slope line being through the free end holes.

Other Egyptian pyramids had slope ratios of between 17 in 18 (Snofru) to 28 in 18 (Amenemhet). Khephren, next to the Great Pyramid has a slope of 28 in 21.



**MW Mail Order - See our website:**  
[www.mwmailorder.co.uk](http://www.mwmailorder.co.uk)

### Modelplan 171 - John Darlison's Computer Control of ArcAngle Robot Using Meccanisms MotorVator™

This Modelplan has been designed to illustrate how a Meccano robot can be controlled by a computer, and demonstrates a manufacturing process using industrial software. The ArcAngle robot is of simple design, with motors and mechanisms easily accessible, and is very similar to an industrial prototype. Each motion has feedback to the operating computer, provided by potentiometers.

The conveyor moves coloured blocks to the robot which picks them up, sorts them by colour and places them in appropriate boxes - yellow blocks are accepted, blue blocks rejected. The controlling program records the total number of blocks processed using photocells and colour recognition cells. When activated, an interrupter situated on the conveyor stops the machine and the time of inactivity is recorded. A speed control is provided for the whole operation. The model, which demonstrates part of a production process, has been used to demonstrate commercial OEE (Operation Efficiency Evaluation) software at a trade exhibition in Sweden, and provides an excellent introduction to robotics and Meccano. The MotorVator program code can be downloaded from [www.mwmailorder.co.uk](http://www.mwmailorder.co.uk). Ref: MP171 Price: £8.95

### Everything About Peter Goddard's Blocksetting Cranes - Parts 1 and 2 (Reprinted)

Blocksetting cranes, the fascinating giants of an earlier age, have been a symbol of Meccano for generations of modellers.

This is the story of Peter Goddard's work in translating Julian Head's definitive research on the subject into Meccano. The

quality and range of Peter's cranes have set him in a class of his own, and the explanation of how his methods and techniques evolved is an object lesson in reproducing historical engineering in miniature. All who simply appreciate pictures of superlative models will be delighted by this publication.

The two volumes contain narrative, prototype history and drawings, with photographs by Julian Head and Paul Joachim, the angles of many chosen to match accompanying photographs of the originals for direct comparison. Models and prototypes covered:- The Steam Table Top Crane • Fishguard/Peterhead 1914 Crane • Sunderland & Wear 1885 • Salina Cruz (Gibraltar) 1897 • Port Elizabeth 1922 • Port Leixoes (Portugal) Titan 1884 • Constantza 1896 • Peterhead 1890 • Table Bay Hercules 1930 • Mammoth for Tyne North Pier 1881 • Titan for Warrnabool Breakwater • 50t Steam Titan (Cape town 1925) • Pendulum Titan (Ransome and Rapier) • Mar del Plata Titan by Fives (Lille). General topics: • Harbour Construction • Harbour Construction Plant. Ref: EA4 (2 Volumes, 116 pages) Price: £29.95, (Also available on CD. Ref: EA4/3 Price: £19.95)

### Michael Adler's Clocks on CD (Rev 2007). Photographs digitally enhanced; CD now includes MP166 - Reifler-Borrill Precision Regulator Clock

Michael Adler's clocks are seen at every Meccano exhibition and represent the leading edge of Meccano horology. Nine Modelplans on one CD, with photographs, building instructions, background information, inserts and diagrams scanned in high-resolution .PDF format which can be read on-screen or printed. For PC or Macintosh. Ref: MAC Price: £29.95.

Special offer to purchasers of original CD: Include MAC (Rev 2007) with your next order for just £1.95 (inc. carriage

(continued on page 10)

Well the 2007 Meccano Convention has been and gone. Like all past conventions it is a great time to catch up with fellow Meccano folks from NZ and overseas. As usual there were plenty of models to look at and inspire your model building to greater heights. Congratulations to the Wellington Meccano Club for hosting the weekend and roll on Christchurch 2009. Let us get into our E bay watch for this month.

\* Nice 1962 2A set. The set is complete and comes with an excellent box. Parts are unused and still attached by their drawing pins as was the case in those days. A nice set and sold for NZ\$70.

\* A 1932 letter from the man himself, Frank Hornby, covering a win made by a Dutch Meccano builder in a competition. His prize was a 4 volt electro motor. The letter is written in Dutch and the signature is nice and clear. Sold for NZ\$55.

\* Cavendish Books "The Meccano System and special Sets Vol. 6 and the Meccano system Compendium Vol. 6A plus the bookmark. All the books are in mint condition and sold well for NZ \$390.

\* Meccano Saw Bench. This is a rare beast at any time but this one came with its original box. These were made around 1915 and seller states "it is in outstanding condition". Comes with guarantee slip and after some spirited bidding sold for NZ\$900.

\* Meccano Powerdrive motor. This is a latter one with the picture on the box. All the bits are there including instructions. Like new and sold really well at NZ\$200.

\* Meccano Standard Mechanisms Manual in French. Looks like around 1930 and looked in good order. Bargain at NZ\$10.

\* The Jackie Cougan Book. This little book was published by Meccano Ltd around 1925 as a promotional brochure using a famous person of the day. It is ten pages long and was written by Frank Hornby himself. In this copy the staples have rusted (common fault ) otherwise in good condition. Purchased by a well known collector for NZ\$120.

\* Unboxed E15R Electric motor in going order. NZ\$40

\* Meccano M223 Two Seater Sports Car. Unlike the Car Constructor sets this car was purchased in its built up form.

These are quite rare and this example was still in its original condition, blue body, white mudguards and red seat. Only had a few scratches here and there and came with a nice original box. I said they are rare-NZ\$1650.

\* Meccano Dinky Builder

1 and 1A. Both sets mint, never been used-as they were the day they left the factory. Boxes excellent and came with manual which includes the unused sheet of flags plus the guarantee slips. These sets were made in the 1950s. Sold



for NZ\$250.

\* 1960s Hornby Dublo Railways 3 Rail Layout Catalogue. This Catalogue is 24 pages long and in very nice condition. An unusual item and it sold for NZ\$90.

\* Meccano magnets and holders. This auction was for two of each. They are expensive to buy and the auction price reflected this - NZ\$90. They came in the Electrical kit of the 1970s.

\* Bayko Construction Set No 14 by Meccano. This was the largest set in the Bayko range and this set would have been made somewhere around the 1960s. Comes in original box and the seller believed it to be 99%

complete. Condition of parts is good although the manual shows some wear. A desirable set- sold for NZ\$100 but these are heavy to post.

\* Reed hook for loom. This is part no 105. this one looks to



be in nice condition -red wooden handle-rare-NZ\$80.

\* Pair of Meccano Large Flanged Rings, P/N 167B. Mid blue in colour, mint condition and yours for NZ\$130.

\* Meccano Connecting Outfit 4-H. These are very rare sets being the converting set in the 1930s to convert numbered sets to alphabetical sets. The set in this case is in reasonable condition, box shows lots of wear with loose and broken aprons, nice label, and parts vary from nice to very average. There are two trays of parts being a mixture of red, blue and green. It should of sold well and it did-NZ\$280.

\* Meccano magazine Vol 1 No 6. This is the issue for Feb-Mar. 1918. Looks to be in great order and sold for NZ\$130.

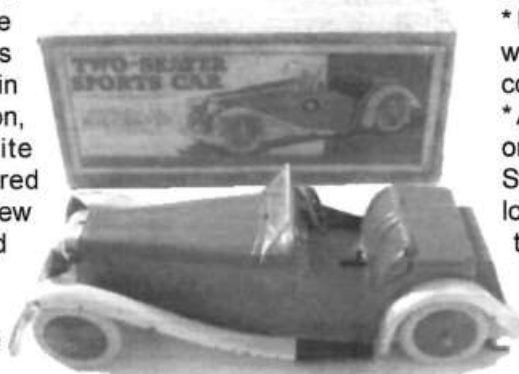
\* Pocket Meccano. This one is unused, contents still sealed. We all know how small this set is-this one brought NZ\$56.

\* Meccano 1970s No 9 set. This set came in a wooden box and this one looks to be in great condition. Only missing a few minor parts, rest of parts like new. Included are manuals from No 1 to No 9. In English yellow and blue. Sold well at NZ\$1400.

\* Pre-war Triang Toys foldout Catalogue. This is a Christmas period fold out brochure for Triang toys and features Minic, Frog, Steel/Wooden pedal cars, etc. Great condition, only a couple of small tears. About 1934. NZ\$270.

\* Meccano Instruction Manual A-E. This is the 1934 edition which is not as common as other editions, only in average condition, covers present. NZ\$70.

\* And lastly a built up model. Unsure if it is a Factory model or home built. I would favour the second. It is the Meccano Steam Excavator model with a 1929 Steam Engine. Parts look to be in excellent condition and the seller believed that the Steam engine had never been fired. An interesting item and sold for NZ\$1600.



Well that's all for this time, have fun dismantling your Convention models and thanks for reading. John Hansen. <happypastimes@ihug.co.nz>

## New Zealand Club Diary 2007

### Auckland Meccano Club.

Contact - David Wall - Ph 09 426 1965.

Meetings at 2 pm on second Saturday every third month.

12 May Neil and Eileen Carey

Phone (09) 625.4058

11 August Elizabeth and David Wall

Phone (09) 426.1965

10 November Peter and Jan Hancock

Phone (09) 535.5355

### MWT Meccano Club.

Contact - John Hansen - Ph 06 325 8211.

Meetings at 2 pm as listed. Wanganui meetings at St. Luke's Church Hall, cnr. Cornfoot and Manuka Streets, Wanganui.

12 May - Wanganui. Formal meeting

9 June - Hawera. Models and fellowship

14 July - Wanganui. Models and fellowship

11 August - Wanganui. Formal meeting and AGM

8 September - Feilding? Models and fellowship

13 October - Wanganui. Formal meeting.

? December - Tour and Christmas Dinner

### Wellington Meccano Club.

Contact - Lou Nichols Ph 04 973 6177.

Meetings at 7.30 pm on first Friday every second month at Konini School, Wainuiomata.

1 June, 3 August, 5 October, 7 December.

### Christchurch Meccano Club.

Contact - Graeme O'Neill Ph 03 322 7456.

Meetings at 7.30 pm on first Friday every month (except January) at St John's Hall, cnr St John St. and Ferry Rd., Woolston, Christchurch.

4 May, 1 June, 6 July, 3 August, 7 September, 5 October, 2 November, 7 December.

### Other Important Dates

**14-16 March 2008** - March Madness - Aotearoa Thermal Resort, Tokaanu, Turangi. Email <moodys@ihug.co.nz>.

**10-12 April 2009** - Convention, Christchurch.

## Buy, Sell, Auction, & Exchange.

*Advertisements in this section are free.*

*First insertion will be printed in full.*

*Subsequent identical insertions (max. one) may be abbreviated to fit space available.*

### For Sale - Topmaq Tools online

Catalogue available at <www.topmaq.co.nz>

### For Sale - from Meccano Supplies

The current range of new Meccano sets, Meccano spare parts, the Exacto range of Spare Parts, Nuts and Bolts. Contact Wayne Blakely, Patikipapa Rd, RD 1, Marton. Ph (06)3276184, <wayne@meccanosupplies.co.nz>

### For Sale - Meccano Parts and Sets by the Wells.

We've got all genuine Meccano and junior Meccano parts and sets, geared motors, the Meccanisms range and the new Speed Play Range!!!

MasterCard and Visa accepted, cheques and direct deposit most welcome.

Andrew & Vivien & Zoe Wells, P O Box 26-179, Epsom, Auckland 1003. Phone 09 523 4447, Fax 0800 MECCANO. email andrew@meccparts.com. <www.meccparts.com>

### Internet Buy, Sell and Watch Agent Available.

John Hansen, Phone (06) 3258 211, email <happypastimes@ihug.co.nz>.

(New Zealand Club Diary continued)

### Additional Meccano Contacts

Hamilton - Don McClelland Ph 07 843 4198.

Hawera - Daryl Anderson Ph 06 278 7666.

Kapiti Coast - Bob Prescott Ph 04 905 2963.

Napier - Trevor Adam Ph 06 843 4837.

Palmerston Nth - Bruce Geange Ph 06 357 0566.

Wanganui - Tom Pittams Ph 06 345 9099.

### Internet sites

International Society of Meccanomen (ISM) <www.internationalmeccanomen.org.uk>.

Meccano Webring <www.meccanoweb.com/meccring>.

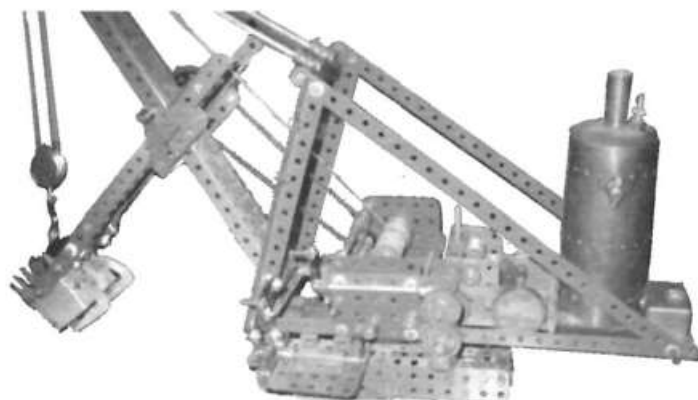
**Category Indexes** to articles in Meccano related Magazines <www.dalefield.com/nzfmm/constructorq/bneilson.html>

**Articles etc. for the June 2007 issue** of NZFMM Magazine should be sent to the Editor well before 7 June 2007

**Back Numbers** - NZFMM Magazines from April 2001 are available again. Contact the Editor.

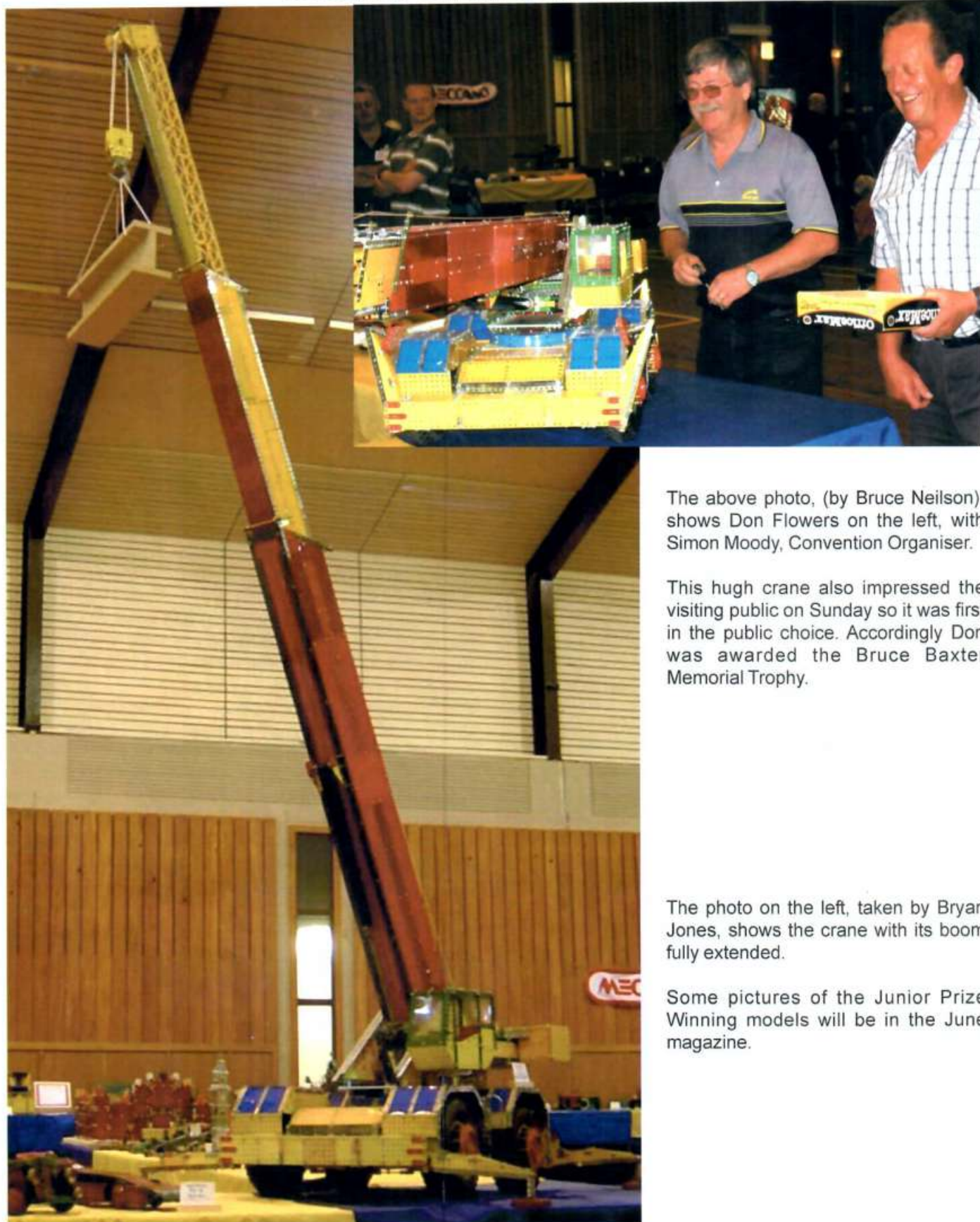
**Consolidated Index for NZFMM 1976 to 2005 Vols. 1 to 29**

27 pages in .rtf format can be sent by email only on email request to the Editor.



*The Meccano Steam Excavator*

# The Third Prizewinning Model at Convention 2007



The above photo, (by Bruce Neilson), shows Don Flowers on the left, with Simon Moody, Convention Organiser.

This huge crane also impressed the visiting public on Sunday so it was first in the public choice. Accordingly Don was awarded the Bruce Baxter Memorial Trophy.

The photo on the left, taken by Bryan Jones, shows the crane with its boom fully extended.

Some pictures of the Junior Prize Winning models will be in the June magazine.