

# The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

PO Box 14570, Panmure, Auckland 1072, NEW ZEALAND

Club House: Peterson Reserve, off Peterson Road, Mt Wellington,  
Auckland 1060

Number 658

July  
2020

Telephone: 09 570 5286 Club Web Site: [www.asme.org.nz](http://www.asme.org.nz)

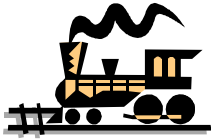
<b>President</b>	Mike Moore	09 443 6050
	e-mail address	president@asme.org.nz
<b>Secretary</b>	Dave Housley	09 576 3923
	e-mail address	info@asme.org.nz
<b>Editor</b>	John Lankow	09 576 5400
	e-mail address	editor@asme.org.nz

REGISTERED NEW ZEALAND PUBLICATION

**ASME acquires a new loco:**

See page 6.





# Train Roster

Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	
5-Jul-20	A Shirley	P Woodford	Voluntary	<b><u>G Wills</u></b>	<b>R Copeland*</b>	L Brown	
12-Jul-20	I Ashley	A Bailey	Voluntary	<b><u>B Aickin</u></b>	<b>R Crook*</b>	M Vickers	
19-Jul-20	G Beazley	M Granger	Voluntary	<b><u>P Dowdeswell</u></b>	<b>M Luxton*</b>	B Matchett	
26-Jul-20	M Hollis	D Housley	Voluntary	<b><u>T Lawrence</u></b>		D Beecher	
2-Aug-20	J Lankow	M Moore	Voluntary	<b><u>S Meikle</u></b>	<b>R Souter*</b>	R Shearer	
9-Aug-20	R Reichardt	A Shirley	Voluntary	<b><u>T Robinson</u></b>	<b>A Stratton*</b>	M Vickers	
16-Aug-20	P Woodford	I Ashley	Voluntary	<b><u>G Anderson</u></b>	<b>P Tomkies*</b>	R Stratton	
23-Aug-20	A Bailey	G Beazley	Voluntary	<b><u>D Russell</u></b>	<b>D Wilson*</b>	S Wilson	
30-Aug-20	M Granger	M Hollis	Voluntary	<b><u>G Wills</u></b>	<b>R Crook*</b>	L. Brown	

**Bold and Underlined** Name = **Train Controller**, i.e. the person in overall control of all operations for the day

**Bold with Asterisk\*** Name = **Stationmaster**, i.e. the person responsible for activities in the station area and for the day's takings.

### **Please Note:**

If for some reason you are unable to attend on your rostered date, you are respectfully reminded that it is **your** responsibility to find a replacement member to fill the gap – please don't let the rest of the team for the day be left short-handed. **Note: the Train Controllers for both affected days must be informed of the swap in advance. It is the responsibility of the person who initiated the swap to do this.** Also advise Bob Aickin who is keeping track of the number of duties each of us perform during the year.

The details of the swap should be noted in the Run Book.

Also, please ensure the member you arrange a swap with is one who is rostered to undertake the same role to ensure we always have members with the appropriate training and experience on the day.

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### **JULY CALENDAR**

**Tuesday July 7th, 7.30 pm** - General Meeting ASME clubrooms. Included will be a Special General Meeting to formalise ASME's application for renewal of our lease for the next 5 years, as set out on page 4 of the June Micrometer, and repeated in this edition.

**Tuesday July 14th, 7.30 pm** - Workshop nights resume, ASME clubrooms.

**Tuesday July 21st, 7.30 pm** - Committee meeting ASME clubrooms.

# *President's Report*

*June 2020*

Hi,

Welcome all to the new normal, and I am sure I am not alone in hoping that we will not have to return to life under more restrictions. It is easy to think that we have done all the hard work and now it is all over and we can return to the same life we had before, but we need to be aware that it will take very little to ruin it.

In the meantime, we are back to Sunday Running again as of the 14<sup>th</sup> June, with the committee making a quick ruling due to the speed of the government decision. The result was a very enjoyable day for all, with a good crowd and lots of smiles, and special mention goes to Bruce Cooper, Grant Anderson, and Mike Banks who all ran steamers for the whole afternoon. Yes, the fire ban has been lifted, but especially with the large amount of leaves at present, please ensure that the sand and water buckets are readily to hand if you want to run your steamer!

The winter has been very mild so far and it will be great to see as many of you as possible at the next meeting on 7<sup>th</sup> July, though with our former entertainment choices upset by recent events we may have to resort to a video segment. If you are able to come up with a subject and presentation, please contact a committee member and we will be pleased to assist.

I trust you have also been considering putting up your hand to take over from John Lankow as editor as well. I think what is needed is enthusiasm more than technical prowess, as John is willing to help “polish” the result until confidence is gained.

For now, the future looks brighter, the shortest day is behind us, and so, hopefully, is the worst of Covid 19. I look forward to seeing you all soon,

Cheers,

Mike Moore.

## Notice of Special General Meeting of Auckland Society of Model Engineers Incorporated

A Special General Meeting will be held at the ASME Clubhouse, Peterson Reserve, Panmure on **Tuesday 7<sup>th</sup> July 2020** commencing at 7.35pm.

### Business

The Committee seeks approval from the Members to complete suitable formal documentation for Renewal of the License and Sublicense with Auckland Council for the land currently used by the Society at Peterson Reserve for a 5 year term commencing 1<sup>st</sup> November 2019.

### Background

ASME entered into a License and Sublicense with Auckland City Council, both dated 8<sup>th</sup> September 2010 for land at Peterson Reserve currently used by ASME. These documents provided for an initial 5 year term from 1 November 2009 and for two 5 year renewals. The first renewal was executed in renewal agreements dated 22<sup>nd</sup> February 2016 and those 5 year terms expired on 31 October 2019.

ASME requested the second 5 year renewal of the arrangements by letter dated 17<sup>th</sup> July 2019. Auckland Council (successors of Auckland City Council) has now offered a renewal from 1<sup>st</sup> November 2019 on terms and conditions largely the same as in the earlier documents.

### Rules

Rule 12.5 empowers the Committee to:

*“Lease or purchase land or property as directed by the members at a Special or Annual General Meeting”*

### Explanation:

License is a legal term meaning a lease for non-exclusive right for the use of land. There are two separate documents as the parcels of land are owned firstly by Auckland Council and secondly by Transpower. The latter land is leased to Auckland City who then sub-lease it to ASME.

Dave Housley

Secretary



### Help Wanted

To make up the NZR type couplings used for 7.25 Inch gauge rolling stock.

Dear Members,

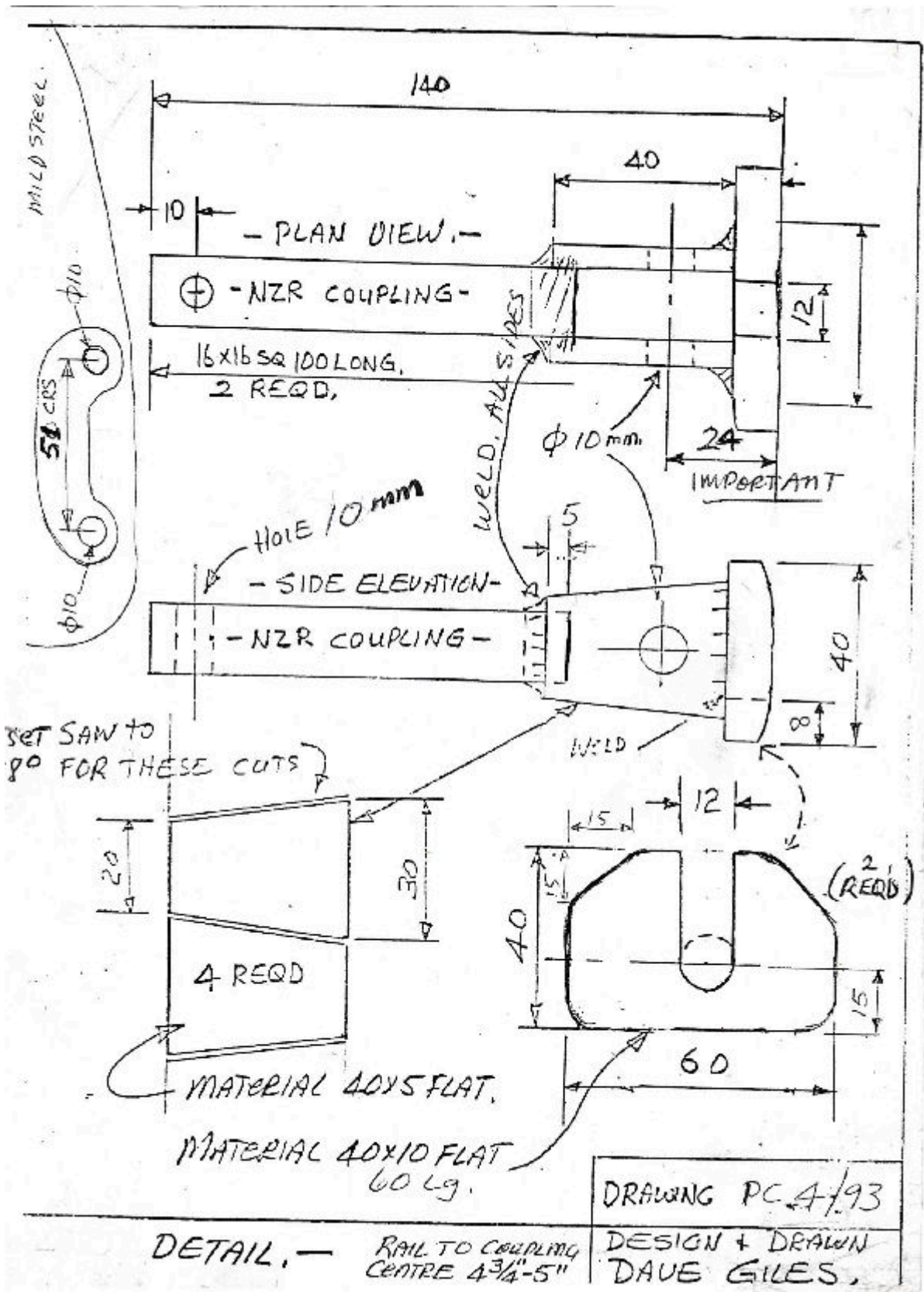
As you may, or may not know, the club is in the process of converting the four (4) A & G Price 5 Inch Gauge trolleys to 7.25 Inch Gauge.

Would any member like a project to do in their spare time?

Please see attached drawing.

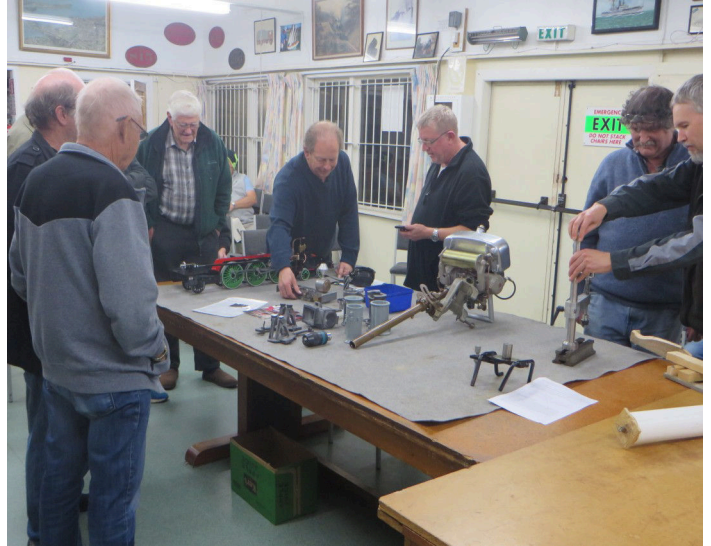
The club needs eight (8) to be made. If you would like to help with (any number between 1 & 8), please call Greville on (09) 411 5092.

# NZR Type 7.25" Coupling Design Drawing



## ASME Comes Back to Life (post COVID-19 lockdown)

Tuesday June 2nd saw the resumption of General Meetings following the Government's reduction of lockdown grading to Level 1. The number of attendees was a little less than the average, but the enthusiasm was there, as depicted in these two photos.



During Level 4 lockdown, Mike Banks was able to spend time repairing and refurbishing the Geth Creagh Ajax donated to the club by Bill Joplin. The loco was found to have several problems (some of which were due to the loco's having lain idle for a considerable time, others were needing Mike's expertise to repair) and so Mike was kept busy for most of the lockdown period. Saturday June 6th saw the loco steamed up at the ASME steaming bays and the following trials on the track proved that the loco was a real performer! The following photos show Mike, assisted by Bruce Cooper, preparing the loco for the track, and then taking it out for its first run. A number of other members were at the track to witness the occasion and accept a ride in the passengers' seat - some lucky ones (your editor included) were able to try the loco out for themselves, and were pleasantly surprised with its performance.



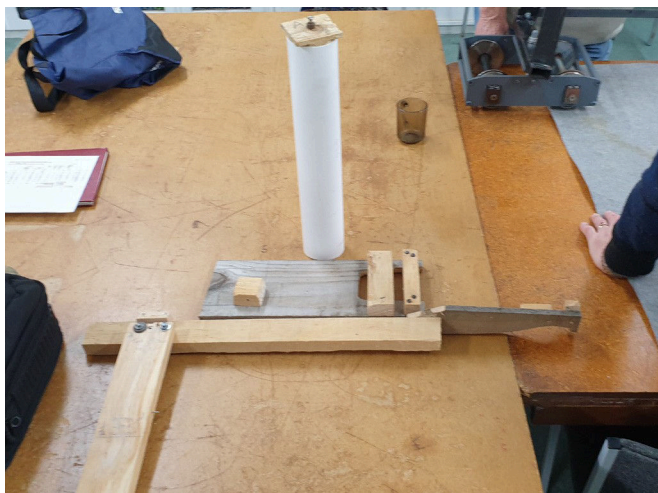


The following Saturday saw Mike back at the track in his official capacity as Boiler Inspector. Here he is giving your editor's loco its first steam test, assisted by Bruce Matchett and with Grant Anderson looking on from afar... The loco failed its test, mainly because there was "too much boiler pressure when blowing off fully", as the ASME Yellow Book says (more or less). An adjustment of the blower steam throughput is required, so it's back to the workshop for the time being!



## Bits and Pieces 2nd June 2020

Conducted by Ron Copeland, photos and report by Dave Russell.



**Bob Aickin** has made this jig for setting out the fence posts around the track by the crib wall. The jig gives the correct distance from the track and also the spacing between posts.

These bolts brought in by **Mike Banks** are made from Inconel and they are from a “big end”- looking part that the undercarriage of a 747 swings on, very strong and corrosion resistant.

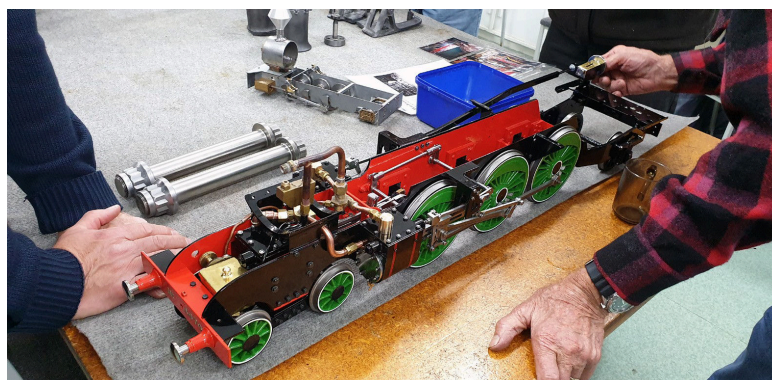
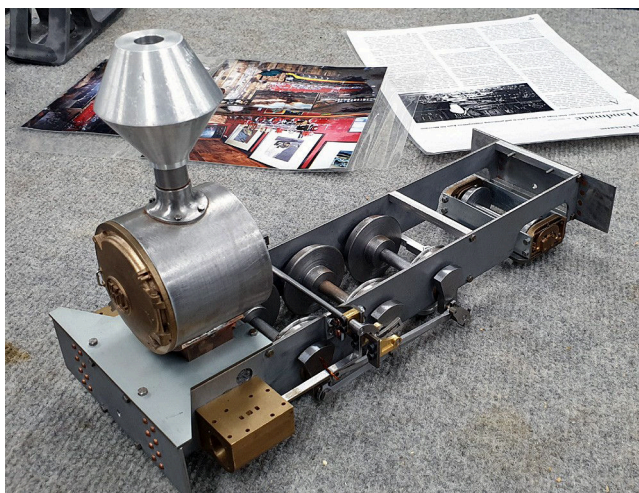


Mike is also rebuilding an Ajax locomotive (see p6) that was donated to the club. Built by Geth Creagh many years ago, the loco had totally seized up. Mike has made a number of special tools to enable dismantling to proceed.



This little locomotive is a model of a 2' gauge Fowler. **Greg Burrows** is building this live steam engine in 45mm gauge for use on his garden railway. During the lockdown Greg has laid 40 metres of track around his garden and completed some tunnels and a marshalling yard.

**Bruce Cooper** is progressing well with “The Maggot” as he fondly calls it. He has put new bushes throughout the running gear. Bruce says the engine runs strong on air but he has decided to scrap the boiler as it was going to be too hard to repair. Instead he is going to build a new one and has ordered all the copper and tubes as a kit from England.



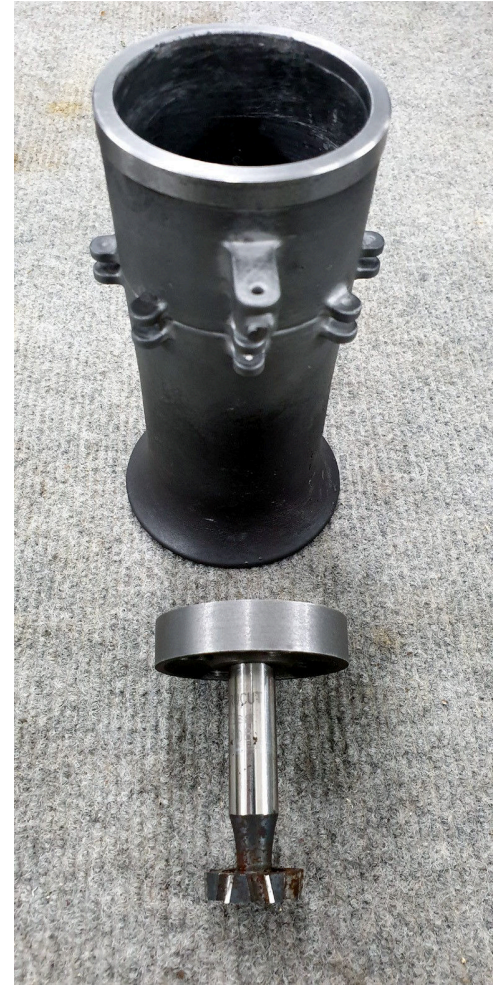




A Keyless chuck that would not lock properly after being let loose on "graduates" was brought in by **Peter Woodford**. Peter has modified it to fit in his press where it will still be useful.



**Mike Jack** is restoring an old shaper that he has. Part of the job required the use of this large end mill cutter. Mike noticed that it would not run true and after much head scratching and pondering he discovered that the Clarkson chuck he was using had been ground incorrectly during manufacture, and this caused the cutter to wobble.



Mike had a number of new castings to show us now that the lockdown is over and the foundry is open again. Included were a cylinder that had blocked steam ports and took forever to clean out. More successful were the petticoat pipe and chimney stack, all for 7-1/4" gauge engines. And finally some brake blocks for his Class 3 project.

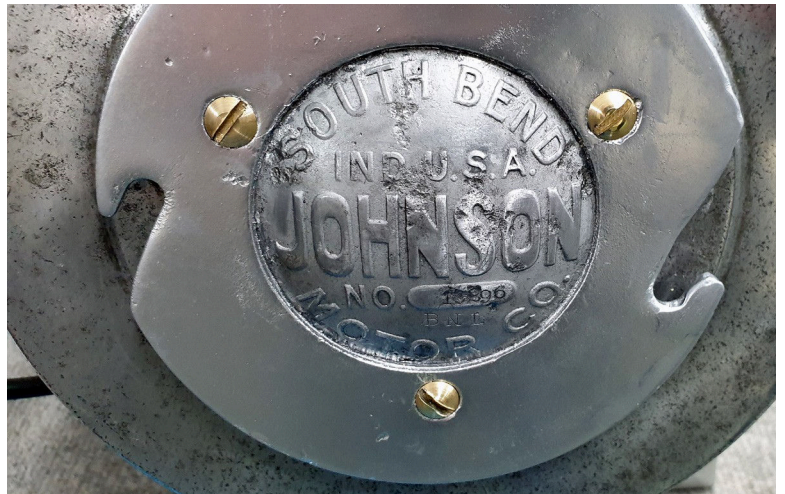
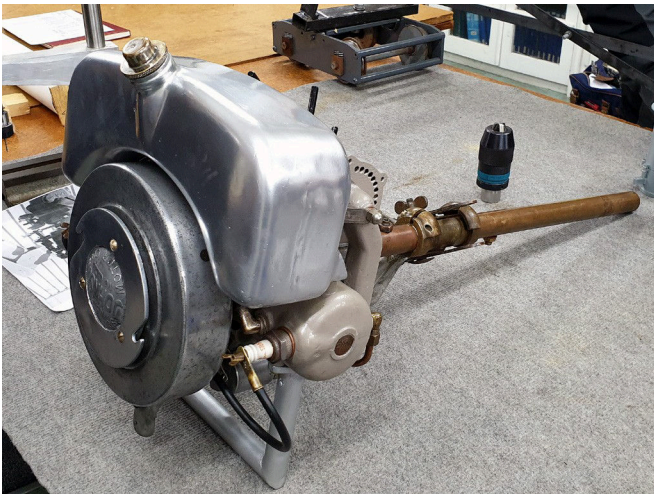


**Mark Luxton** has made himself a jig to hold taps vertical while tapping into a hole: sorry I missed a photograph but the unit is similar to a number we have seen recently. (Mark can be seen demonstrating his jig to Timothy Robinson on the far right of the r.h. picture at the top of p6. - Ed)

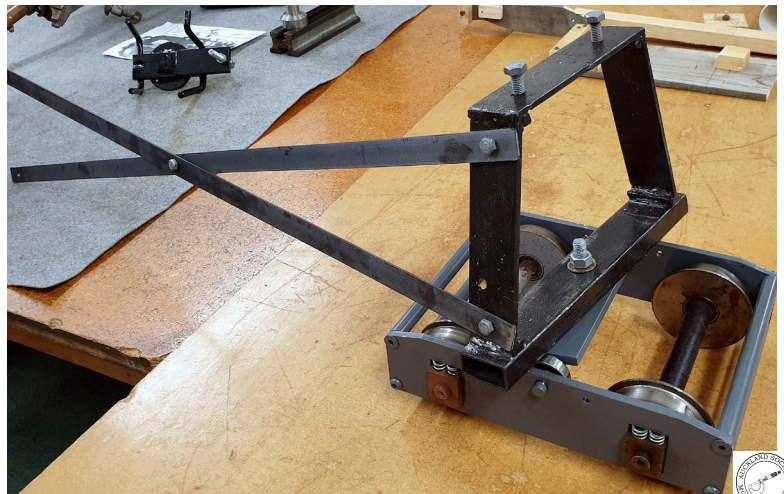
**Grant Anderson** with his Ford Zephyr cap on made this holding jig to fit on top of his trolley jack. The jig holds the gearbox steady and level on top of it when fitting behind the engine under the car, allowing the gearbox to be aligned correctly with the clutch.



**Ron Copeland** was given this 1922 Johnson two-cylinder outboard motor. Ron says it was badly corroded: he has used a product called “Loctite Weld” to fill and repair holes. The engine is quite rare, not just because it is so old (Johnson only started making outboards in 1921) but because it has a long shaft and not many were made with this option.



Lastly **Greville Wills** brought in the mock-up of how we are intending to convert our old 5” gauge raised track passenger trollies to be suitable for the 7-1/4” ground level track.



## FOR SALE

5" Gauge Simplex Steamer – for sale

History: Built by Alan Emerson: Hydraulic Test 1/09/1981, Steam Test 5/02/1983

Martin Evans Design Simplex 0 – 6 – 0 Steam Loco.

Has run regularly on ASME track.

Needs some attention, but runs reasonably well.

Has current Boiler Cert Issued 09/11/2019 (valid for 4 Years).

Some Pic's below. Price Negotiable. Phone Greville on (09) 411 5092



