

GREG Newsletter March 2023

Demonstration of a working model ice maker –

21 March 2023, Geelong Showgrounds Museum

James Harrison was a pioneering genius among other things in the latter part of the 19th Century. His achievements have been well documented by W. R. Lang in *“James Harrison – Pioneering Genius,”* 2003, ISBN 0-5980427-1-3.

On this occasion at the Geelong Showgrounds Museum, the Royal Geelong Agricultural & Pastoral Society together with the Geelong and Regional Branch of the National Trust organized a demonstration of a working model of James Harrison’s 1857 patented commercial ice making machine which was made and demonstrated by Mr. Warwick Bryce.

“Harrison foresaw that his machine would aid food preservation and the cooling of rooms. Its principles have led to today’s refrigeration, heating, and air conditioning industries.

Perfecting his steam driven machine in London in 1856-7 with precision engineers Siebe, Harrison demonstrated it in May 1858 at their engineering works, then returned to Geelong with his machine which could make 3 tons of ice a day. It cost 1200 pounds or over \$200,000 today. With it he established the world’s first Ice Works here in 1858-59.

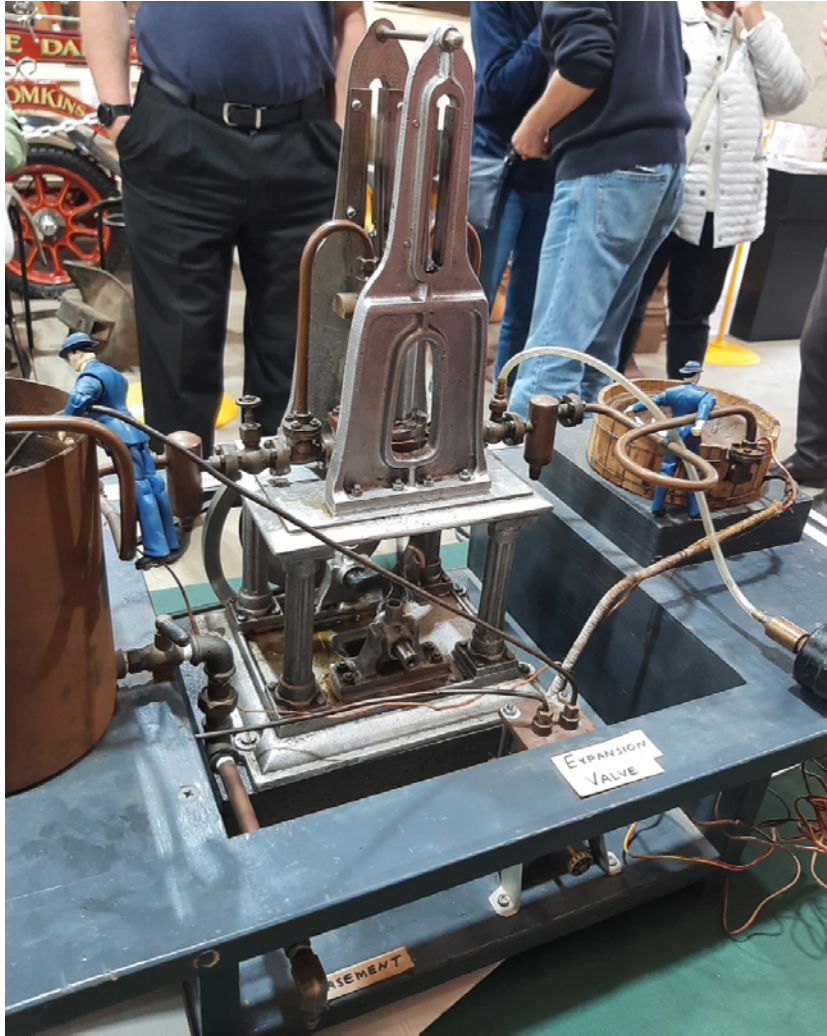
Harrison’s 1857 ice-making machine, likely Australia’s only invention of the world’s Second Industrial Revolution, contributed to Geelong’s 2017 designation as Australia’s UNESCO City of Design.”



The benchtop model ice maker is shown on the left.

This event was well attended by enthusiasts and GREG members alike.

Reference RGAPS and GRBNT event flyer.



March 2023 AGM, Speaking Event, and Dinner

The GREG Annual General Meeting was held at the Learning Professionals premises in Corio Street Geelong on the 23rd March. The event was attended by 22 members and guests. Office Bearers reports were given and approved and President Bernie delivered his annual president's report with the aid of several presentation slides, briefly recapping on the GREG's humble beginning through to today. He reminded members in attendance the importance of being actively involved with the Group. You can see his presentation slides and the president's report posted on the GREG website, www.greg.asn.au/news. The membership officer and the treasurer also delivered their report to the members.

Election of Office Bearers and General Committee Members for the year 2023 were held with the following outcome:

2023 Office Bearers:

President	Bernie Chen
Vice President	Robert Gregory
Treasurer	Dennis Clarke

Secretary Piyush Jain

2023 General Committee Members:

Rory Lynch

Eleanor Smith

Stephen Hagebols

John Lambert – Vic Engineers Registration

Ian Burston

Pierson Lang – Student Representative

The AGM was followed by a presentation by Deakin University Professor Mahmud Ashraf, PhD, DIC, MASI and a dinner. His presentation titled, ***Research advancements on traditional and engineered materials for structural applications*** was well received by his audience. The materials covered included stainless steel and timber and applications in 3D modelling. Professor Mahmud's presentation slides are available on the GREG website www.greg.asn.au/news to with our members.



Prof Mahmud presenting

