# A Model Engineer of IC engines

This document was written by Tony Roscoe and was originally published by the FMES in the April 2024 newsletter.

I started out making a couple of Stirling engines. I have always been interested in internal combustion engines. I worked with them for over 40 years.

The first one I made was a simple single cylinder engine from a book by Philip Duclos I think. I then took a big leap in complexity and built a four cylinder engine from plans by Dale Dietrich.

When I had completed this I saw the plans for the Snow engine in a magazine. Rather than build exactly as the plans, I complicated it further by building a double version of this engine as a number of the original engines are of this configuration. This engine is about 90% complete but I got sidelined by the Austin engine. I am planning to get back on it when the Austin engine is complete as I don't tend to work on more than one engine at a time.

About 7 years ago I purchased an Austin seven car. The engine is very basic and I thought I could probably make a model of it but it soon became obvious that making one is much more difficult than maintaining the engine in the car. I did a couple of back of a fag packet drawings and managed to actually build a 1/3 ish scale model.

The model was mostly finished when I took early retirement from work. I got busy with other things and the engine was left for about 18 months. I kept looking at it, thinking I should try and get it running. I thought it would take a while to make it fun. I set it up on a board and attached a toothed belt pulley on the flywheel end. This was connected to a sewing machine motor so I could spin it using the foot pedal leaving my hands free for adjustment. 20 minutes later it was running. It now needs finishing as a display. I will send a few photo’s of the build and photo’s of my other engines. I have an old Raglan 5 inch lathe and an old Hays die master milling machine. Below are a couple of links to the engines running and some photo’s. If you want any more info or pictures of the build please contact me.

https://youtube.com/shorts/3ul7Z3comAI?si=xpz9G5xDiOSSz8V9

https://youtube.com/j0HWC7BhRc0?si=5GXJckzIarEvZyc2