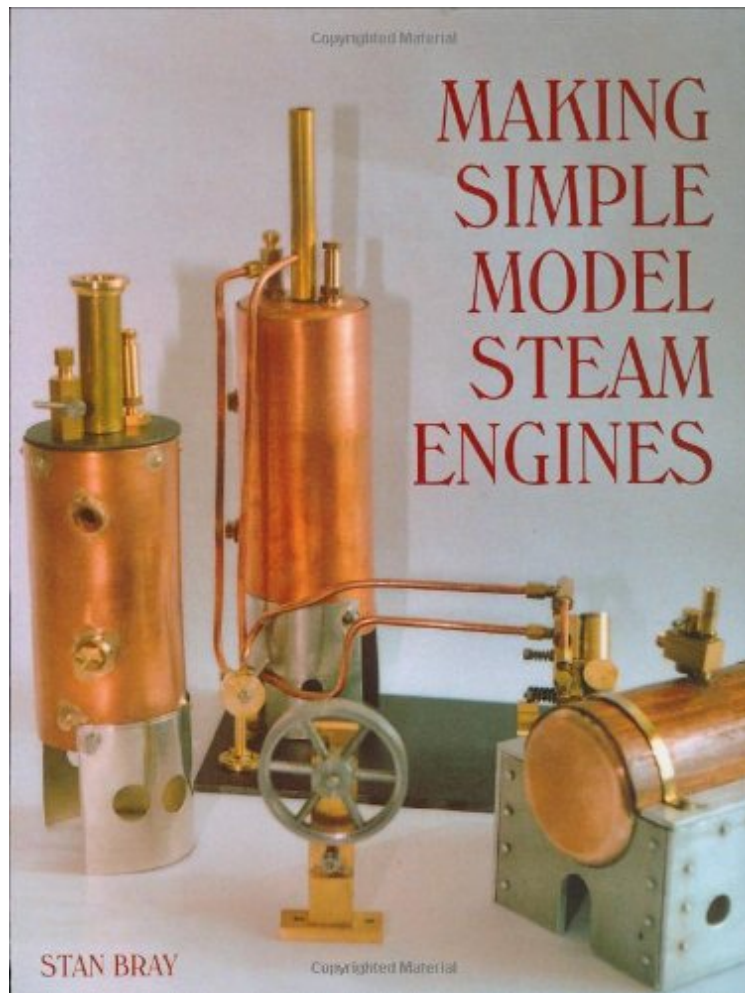


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Making Simple Model Steam Engines

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Stan Bray : Making Simple Model Steam Engines before purchasing it in order to gauge whether or not it would be worth my time, and all praised Making Simple Model Steam Engines:

0 of 0 people found the following review helpful. I renamed this book: By Samuel Meredith "Fairly Simple Construction of Simple Steam Engines For The Intermediant to advanced Hobby Machinist. I bought a lathe and set up a dedicated metal shop a year ago, producing a lot of fun low to moderately precise objects- black powder cannons, tools and metal parts, etc. My other goal was steam engines and hopefully model steam locomotives. I collect self-learning skill instruction books and find this one outstanding as to readability, illustrations, etc. But the author's awe shucks, hand tools delivery belies a lot of skills and tools necessary to produce a precision steam engine. Can't find a commercial D bit at Lowe's? Use your blacksmithing skills to make and heat treat/oil quinch and temper your own. I finally produced a well working, non leaking one of his simple engines after breaking down and acquiring a milling

machine mostly as a precision drill necessary to accurately drill 4 1/16 holes for the double acting models. I found jigs to be cumbersome and difficult to secure to the stock to be drilled. Some of the measurements/dimensions are suspect. If the clapper engine is accurately built per plans there is no room for steam passage. What is between the lines is that after accurate part production and assembly it takes a day or so to tweak, de-burr, and introduce some slop here and there to get really friction free action. I thank the author for making me learn the machinist mind-set as to accurate layout, precision drilling, good tap and die techniques, and the humility and patience to remake inaccurate parts. One last suggestion to the more skilled just starting on steam engines- there are lots of plans on the internet for larger engines such as Gerry's beam and Elmer's grasshopper, especially if you like metal and woodwork. 2 of 2 people found the following review helpful. Steam power lives in miniature By Hank Very nice well bound hard back with drawings for home built steam engines, boilers, burners as well as various fittings. Most of the engines are simple oscillating type but there are a couple of others. Good introduction to engine building with a chapter on tools, measuring and materials. Clear black and white photos of each project engine. Even has complete drawings for a unique miniature steam powered rail locomotive. If you have a small lathe such as a Sherline you will love constructing the engines in this book. 31 of 31 people found the following review helpful. Model Steam Engines By Robert Bottomley This is one of the better Model Engineering books that I have read. The author gives clear instructions on building oscillating steam engines and boilers from the very simple to the more complicated. Clear drawings and instructions are given for each model, although there are a few errors in the drawings, they are not too hard to work around. Each model has two sets of drawings, one with dimensions in the metric system and the other with Imperial dimensions. I can highly recommend this book to anyone who wishes to build their first model engine and boiler.

This book details the construction of a range of simple miniature steam engines and boilers. The projects, each of which can be completed with only a basic workshop, range from a single-acting oscillator to more sophisticated twin-cylinder double-acting engines and a variety of boilers. A final project brings together engine and boiler for a simple steam railway locomotive. These projects are a perfect introduction to model engineering and an enjoyable exercise for the more experienced engineer or those who wish to pass on their hobby to a younger generation. Stan Bray is an experienced craftsman in engineering and metalworking; among his previous books is *Metalworking: Tools and Techniques*.