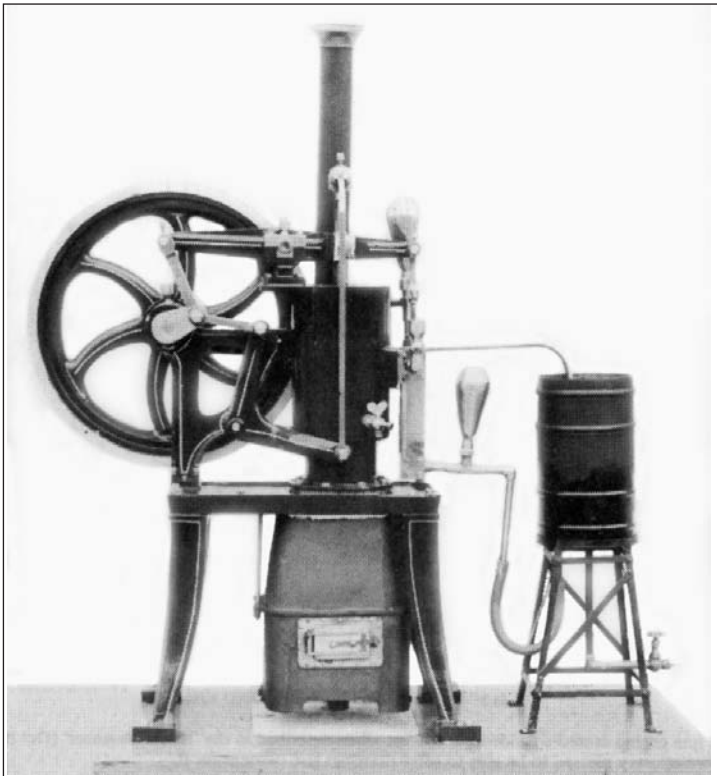




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3" scale Rider-Ericsson Hot Air Pumping Engine



Model by N. Stothard Photo courtesy L. Lawrence

DIMENSIONS:

Height - 18"

Width - 15"

Depth - 7½"

Unmachined diameter
of flywheel - 9"

THE PROTOTYPE:

John Ericsson patented his Hot Air Pumping Engine in 1890, the year such engines were first commercially produced. They were very successful for general pumping duties where their low power was not a drawback and the fact they had no boiler and could run on virtually anything was a positive advantage.

The prototype of this model is an eight inch engine, referring to the bore, and it could pump around 500 gallons an hour.

THE MODEL:

A very popular model since its debut in the early 80s, this engine makes an unusual project, is different and very interesting in motion, and can be safely run indoors if gas fired; the model shown has a standard small *CampingGaz* rose, connected to a large gas canister. It can be built using an ML7 or similar size lathe, and whilst it does require careful work and fitting, the text and photographs in the construction article are very helpful.

AVAILABLE (prices shown INCLUDE U.K. delivery and VAT):

(1) Construction articles and Drawings are included in the book "Steam and Stirling - engines you can build" which also has the construction articles and drawings for 11 other stationary or hot air models, only one of which requires castings. **PRICE = £36.45**

(2) Casting Set. This comprises 17 castings in high quality LM4 aluminium, mainly for the larger components, gunmetal and lost wax bronze for the remainder. **PRICE = £476.35**

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