

## Instructions

Recommended for use under adult supervision

1. Remove Safety valve and insert filler funnel. Depress cylinder away from engine frame and fill boiler up to the level indicator on sight glass with clean water (a longer run will be obtained if hot water is used). Replace safety valve and, using fingers only screw up tight. Should the water level fall below the bottom of sight glass, the burner must immediately be removed and the boiler refilled before further use.

2. Use only Mamod solid fuel with this engine. Place two tablets only, in the tray. Light the tablets from the front end and carefully slide the tray into the fire-box, engaging the scuttle with the holding tags.

3. Thoroughly oil all working parts (bearings, piston etc.) with MEDIUM GRADE MOTOR OIL (SAE 10/30 or similar). The engine should also be oiled occasionally during each run. When steam is up, the engine will start with a few turns of the fly-wheel. The engine will run in the direction the lever is pointing and engine speed can also be adjusted with this lever. Some water may be lost from around the cylinder while starting. By adjusting the knurled nut on the pivot spring, the front axle can be tightened for free running or slackened for manoeuvring with the steering rod. When attaching the steering rod, screw down on the handle first and then tighten lock nut.

**DO NOT** hold down the safety valve or tamper with it in any way.

**DO NOT** remove the safety valve while there may still be pressure in the boiler. (Release remaining steam by operating the whistle).

**DO NOT** refill the burner without refilling the boiler.

**DO NOT** overfill the burner tray.

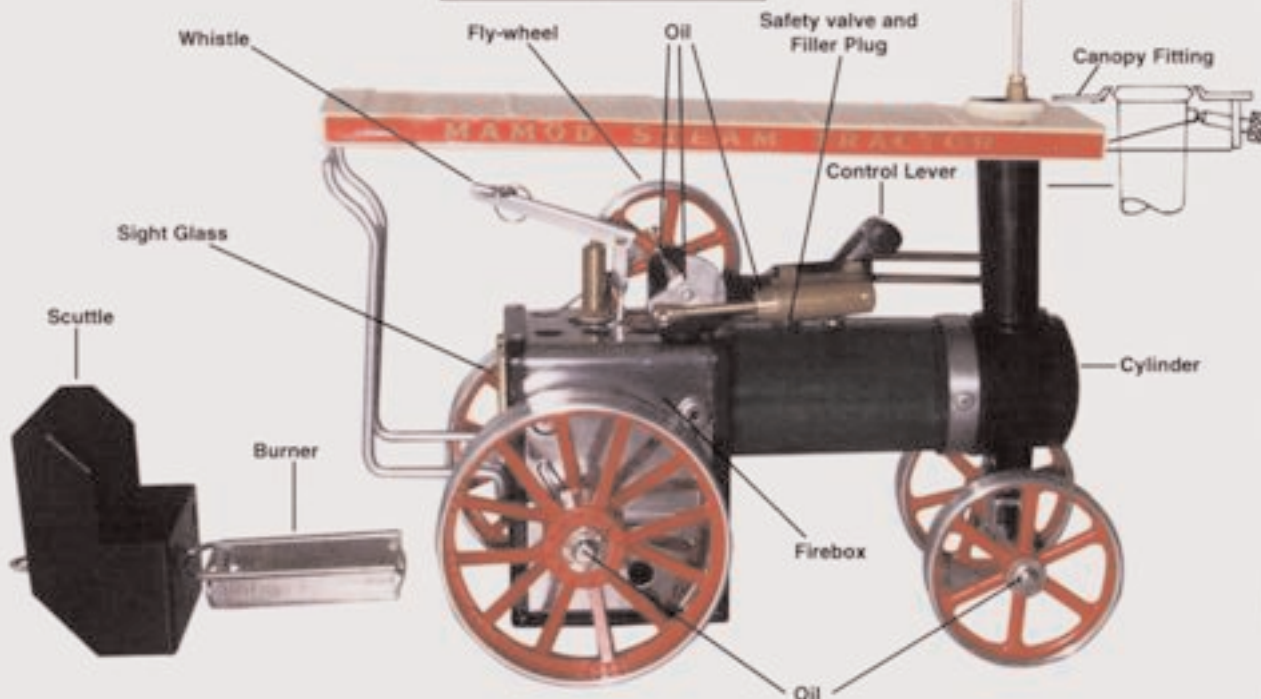
## General Hints

1. Before each run, flush out the boiler with boiling water.
2. The engine should only be operated on a smooth and level surface (not carpet).
3. The engine may also be used to power other models. Always gear models to allow the engine to run fast.
4. After using the engine, drain all water from the boiler

### TECHNICAL DETAILS

Boiler Volume 199 cm<sup>3</sup>

Maximum operating pressure 1.13 bar



## STEAM TRACTOR TE1A *working steam model*