



# National Steam Car Association

Preserving our heritage with steam on the road

## LIGHT STEAM POWER - DIMENSIONED DRAWINGS

1. **MODERN MONOTUBE STEAM GENERATOR**- The exhaust gas outlet at bottom makes this up to date design especially suitable for steam cars. With modification to up-draught system the design is readily adaptable for marine or stationery use. Power up to 60 b.h.p. depending upon engine design; oil-fired capacity 600-700 lbs. steam per hour; height 32 ins., diameter 20 ins.
2. **STEAM MARINE PLANT** – drawings for this compact power unit comprise all details of the high efficiency engine and monotube or ‘flash’ steam generator, with automatic steam pressure and temperature controls and other components. Overall dimensions; length 31”, height 19 ½”, width 20”. This modern small steam power unit, designed to give 20 b.h.p., is suitable for boats and stationary use. **33 Drawings**
3. **STANLEY 10 HP., 1909 STEAM CAR ENGINE.**
4. **WATER TUBE BOILER** – Oil fired, automatically controlled. Designed for use with **STANLEY 10 HP.** Engine.
5. **WATER TUBE LAUNCH BOILER** – Especially designed for ease of construction in the home workshop. For light launch, 20’ x 5’ or as stationary boiler; working pressure 200 psi. Suitable burner is shown in drawing No. 6 below.
6. **VAPORISING BURNER (Lune Valley Type)** – an exceptionally reliable design incorporating self cleaning jet – easily and cheaply constructed in the home workshop; burns paraffin. Suitable for use with drawing No. 5 above.
7. **PRESSURE DIAPHRAGM VALVE** – as used on the ‘**White**’ steam car for automatic control of the steam pressure; a robust and reliable design.
8. **BOLSOVER VERTICAL WATER TUBE BOILER** – with instructions for construction.
9. **FLOWMOTOR AUTOMATIC FUEL REGULATOR** – for use with monotube steam generator. This ‘**White**’ component gives non-electrical automatic control of fuel to vaporising burner.
10. **LIGHT STEAM CAR POWER UNIT** – Extraordinary value! Over 38 drawings. Compact 2 cylinder, high torque, fully tested. As set No.2 but adapted for small cars etc. using downdraught steam generator.
11. **LIGHTWEIGHT PRESSURE DIAPHRAGM VALVE** – as used on the ‘**Stanley**’ steam car for automatic control of steam pressure; a well proved reliable design.
12. **CLARKSON VAPORISING BURNER** – fuel; paraffin, kerosene or fuel oils Nos. 1,2,3 U.S.A. standards. Reliable; does not light back; is suitable for steam raising, house heating, etc. Does not require electricity.
13. **STANLEY RECORD BREAKER ENGINE** – 190 mph. in 1907! Drawings with details of unique valve setting.
14. **MERRYWEATHER TYPE ‘B’ WATER TUBE BOILER** – for solid or oil fuel. Capacity 300 lbs. steam per hour at 120 psi. Suitable for stationary or steam boat power.
15. **THIMBLE-TUBE WATER TUBE BOILER** – for solid fuel or oil firing. This fast steaming well tested design gives very long trouble free service. Suitable for boats up to 50’ in length. Will steam a two-cylinder simple expansion engine, 4” x 4”. For pressures 100 -300 psi.
16. **SIMPSON-STRICKLAND LAUNCH ENGINE** – 34 i.h.p. A fine example of open type triple expansion engines circa 1900. Drawings and description.
17. **HIGH PERFORMANCE STEAM CAR ENGINE** – compact three cylinder, single-acting, tandem (steeple) compound with high torque for medium sized cars or boats. Designed for high temperature, high pressure, high efficiency, but can use low pressures with reduced power output.
18. **ISLE OF MAN RAILWAY** – 2-4-0 T Mannin, 3’ gauge steam locomotive built 1926. Detailed general arrangement drawings as makers’ original.
19. **STEAM CAR ENGINE ‘PANTHER’** –Compact 2 cylinder, high torque, fully tested, V compound for larger cars, light commercial vehicles and small narrow gauge locomotives.
20. **DOBLE COMPOUND ENGINE** – well tested horizontal, two cylinder, double-acting engine for cars, buses, trucks and railcars. Designed by Abner Doble for Sentinel Waggon Works.
21. **FEED WATER INJECTOR** – “Premier” boiler feed water injector. Formerly made by Holden & Brooke Ltd.

22. **NARROW GAUGE LOCOMOTIVES** of 1874 and 1905 for the 3' gauge Isle of Man Railway. Detailed general arrangement drawings of these 2-4-0 T engines as makers' originals.
23. **STEAM LAUNCHES** – length 25' seagoing and trailable 16'8". Large drawings showing traditional hull construction with detailed instructions for building.
24. **MERRYWEATHER TYPE 'C' WATER-TUBE BOILER** – For solid or oil fuel. Capacity 540 lbs. of steam per hour at 120 psig. Fast steaming, suitable for stationary or steam boat power.
25. **STEAM BOAT OR STATIONARY ENGINE 'PANTHER'** – Compact 2 cylinder, high torque, fully tested, V compound suitable for efficient large diameter propeller or for quiet, longlife stationary power up to 35 shp.
26. **AUTOMATIC WATER-LEVEL REGULATOR** – For steam boilers; pressures over 100 psi.; non-electrical.
27. **DIRECT-ACTING STEAM PUMP** – For boiler feed-water supply of general use.

**Note: Sets 2 &10 and also 19&25 are identical but for different applications.**

**Prices for copies of the above sets, excluding postage.**

Set.	£	\$
1	18	27
2	45	68
3	11	17
4	10	15
5	12	18
6	8	12
7	8	12
8	8	12
9	8	12
10	45	68
11	8	12
12	12	18
13	12	18
14	9	14
15	11	17

Set	£	\$
16	10	15
17	66	100
18	12	18
19	50	75
20	23	35
21	9	14
22	10	15
23	20	30
24	13	20
25	50	75
26	15	23
27	22	33

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