



PARTS LIST					
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MASS
1	1	000.001	Base Cast	Cast Iron	0,863 kg
2	2	000.002	Lower Base Bearing Holder	Brass, Soft Yellow	0,015 kg
3	2	000.003	Upper Base Bearing Holder	Brass, Soft Yellow	0,020 kg
4	1	001.000	Assembly Crankshaft		0,137 kg
5	1	000.004	Standard	Cast Iron	0,276 kg
6	1	000.005	Lower Cylinder Cover	Brass, Soft Yellow	0,087 kg
7	1	000.006	Lower Cylinder Ream	Bronze, Soft Tin	0,014 kg
8	1	000.007	Cylinder	Cast Iron	0,256 kg
9	2	000.008	Cylinder Piping Connector	Brass, Soft Yellow	0,002 kg
10	1	000.009	Valve Plate	Copper Alloy	0,009 kg
11	1	000.010	Steam Chest	Cast Iron	0,106 kg
12	1	000.011	Steam Chest Cover	Cast Iron	0,046 kg
13	1	000.012	Glands	Brass, Soft Yellow	0,005 kg
14	1	000.013	Cylinder Cover	Steel	0,040 kg
15	1	000.014	Upper Cylinder Packing	Rubber	0,001 kg
16	1	000.015	Upper Cylinder Cover	Cast Steel	0,087 kg
17	1	000.016	Flywheel	Cast Iron	0,438 kg
18	1	000.017	Piston	Aluminum-6061	0,012 kg
19	1	000.018	Piston Ring	Stainless Steel	0,007 kg
20	1	000.019	Piston Rod	Steel	0,014 kg
21	1	000.020	Crosshead	Brass, Soft Yellow	0,035 kg
22	1	000.021	Crankrod	Steel	0,032 kg
23	1	000.022	Crankrod Pin	Copper	0,005 kg
24	2	000.023	Connecting Rod	Bronze, Soft Tin	0,007 kg
25	1	000.024	Bearing Keeper	Aluminum-6061	0,001 kg
26	2	000.025	Reverse Lever Ring Stud	Steel, Mild	0,009 kg
27	1	000.026	Reverse Lever Ring	Copper	0,016 kg
28	1	000.027	Reverse Gear Link1	Copper	0,008 kg
29	1	000.028	Reverse Gear Link	Copper	0,009 kg
30	1	000.029	Reverse Gear Drag Link	Copper	0,004 kg
31	1	000.030	Reverse Gear Link Rod	Copper	0,004 kg
32	1	000.031	Reverse Gear Link Block	PVC-U	0,000 kg
33	1	000.032	Reverse Lever	Stainless Steel	0,028 kg
34	1	000.033	Reverse Gear Link Stud	Steel	0,002 kg
35	1	000.034	Reverse Gear Link Lever	Aluminum-6061	0,001 kg
36	1	000.035	Steam Chest Slide Valve	Bronze, Soft Tin	0,020 kg
37	1	000.036	Steam Chest Slide Valve Rod	Steel	0,008 kg
38	2	000.037	Eccentric	Aluminum-6061	0,006 kg
39	2	000.038	Lower Eccentric Trap	Default	0,001 kg
40	2	000.039	Upper Eccentric Trap	Default	0,001 kg
41	2	000.040	Eccentric Rod	Steel	0,004 kg
42	1	000.041	Stand	Wood (Oak)	4,314 kg
43	1	000.042	Base Plaque	Copper	0,018 kg
44	2	DIN 84 - M2,5 x 6	Slotted Cheese Head Screw	Steel, Mild	0,000 kg
45	4	DIN 84 - M2,5 x 18	Slotted Cheese Head Screw	Steel, Mild	0,001 kg
46	4	DIN 84 - M3 x 10	Slotted Cheese Head Screw	Steel, Mild	0,001 kg
47	1	DIN 84 - M3 x 12	Slotted Cheese Head Screw	Steel, Mild	0,001 kg
48	2	DIN 84 - M3 x 18	Slotted Cheese Head Screw	Steel, Mild	0,001 kg
49	24	DIN 128 - A3	Spring Washer	Steel, Mild	0,000 kg
50	22	DIN 912 - M3 x 8	Cylinder Head Cap Screw	Steel, Mild	0,001 kg
51	8	DIN 912 - M3 x 10	Cylinder Head Cap Screw	Steel, Mild	0,001 kg
52	8	DIN 912 - M3 x 25	Cylinder Head Cap Screw	Steel, Mild	0,002 kg
53	4	DIN 912 - M4 x 20	Cylinder Head Cap Screw	Steel, Mild	0,003 kg
54	2	DIN 913 - M2,5 x 3	Hexagon Socket Set Screw	Steel, Mild	0,000 kg
55	1	DIN 915 - M3 x 8	Hexagon Socket Set Screw	Steel, Mild	0,000 kg
56	7	DIN 934 - M3	Hex Nut	Steel, Mild	0,000 kg
57	6	DIN 934 - M4	Hex Nut	Steel, Mild	0,001 kg
58	1	DIN 934 - M5	Hex Nut	Steel, Mild	0,001 kg
59	4	DIN 6797 - J 4,3	Toothed Lock Washer	Steel, Mild	0,000 kg
60	2	DIN 7991 - M3x10	Hexagon socket countersunk head cap screws	Steel, Mild	0,001 kg

Revision	Date	Description
Engineered by:	Name:	Date:
C. Woodson	Galba, J.	18/12/2010
Approved:	Galba, J.	18/12/2010
Project: P0003	SheetSize: A1	Scale: 1/1
Material:	Total Mass: N/A	
Title:		
Vertical Steam Engine with Reverse Gear (anno 1830)		
Top Assembly		
000.000		
Drawingnumber:		Sheet:
P0003 - 000.000		0001
Design State:		Drawing made with Inventor
Released		Revisions only permitted by CAD