

Figure 2 - Connecting Rod and Slider

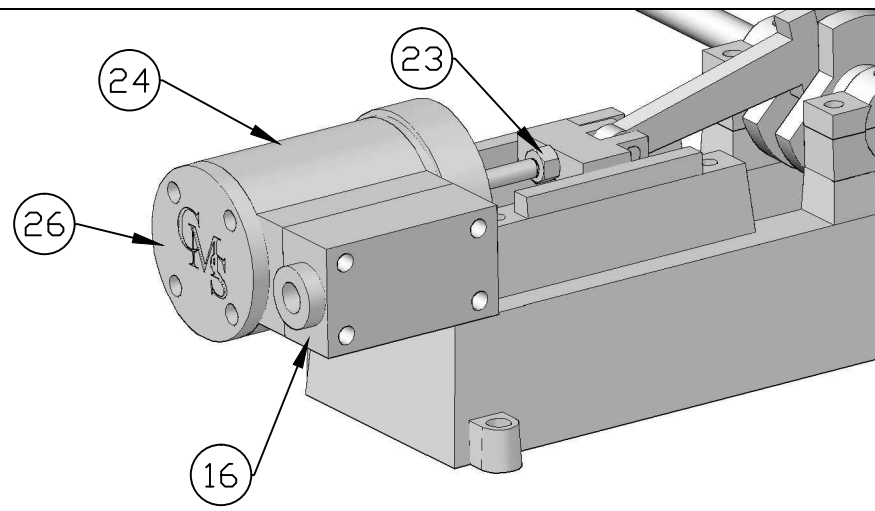


Figure 3 - Cylinder and Chest

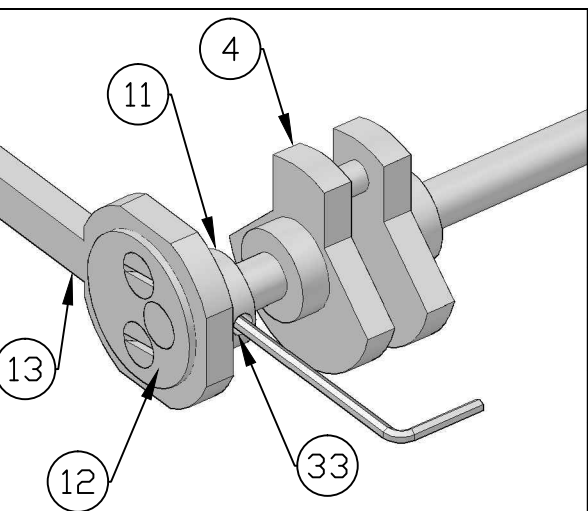


Figure 4 - Valve Setting

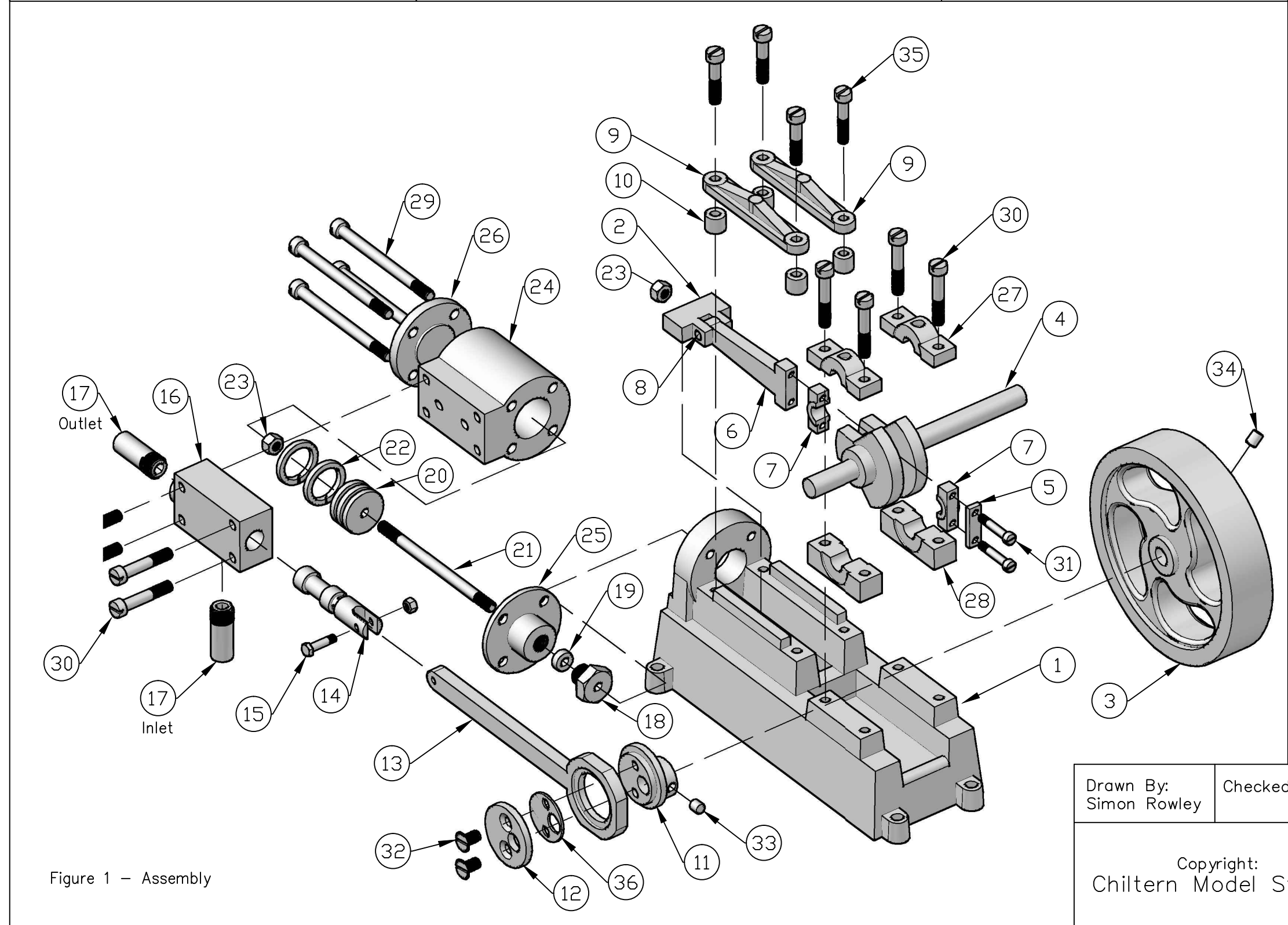


Figure 1 - Assembly

No.	Qty	Description	Material
1	1	Horizontal Single Base	Steel
2	1	Horizontal Crosshead Slider	Brass
3	1	Flywheel Single Cylinder	Brass
4	1	Single Cylinder Crank	Steel
5	1	Con Rod Bearing Keep	Steel
6	1	Connecting Rod	Brass
7	2	Con Rod Bearing Halves	Bronze
8	1	Slider Pin	Steel
9	2	Slider Cap Left/Right	Brass
10	4	Cap Spacer	Brass
11	1	Eccentric Wheel	Brass
12	1	Eccentric Wheel Plate	Brass
13	1	Eccentric Rod	Brass
14	1	Valve	Stainless Steel
15	1	Valve Nut & Bolt (M2x9mm)	Steel
16	1	Chest	Brass
17	2	Inlet/Outlet Pipe	Brass
18	1	Packing Nut	Brass
19	1	Piston Shaft Packing	Teflon
20	1	Piston	Brass
21	1	Piston Shaft	Stainless Steel
22	2	Piston Ring	Teflon
23	2	M3 Nut	Steel
24	1	Cylinder	Brass
25	1	Cylinder Plate Inner	Brass
26	1	Cylinder Plate End	Brass
27	2	Main Bearing Upper	Bronze
28	2	Main Bearing Lower	Bronze
29	4	Cap Screw M3 x 45mm	Steel
30	8	Cap Screw M3 x 18mm	Steel
31	2	Bolt M2 x 11.5mm	Steel
32	2	Counter Sunk Screw M3	Steel
33	1	M3 Grub/Setscrew x 3mm	Steel
34	1	M3 Grub/Setscrew x 4mm	Steel
35	4	Cap Screw M3 x 14mm	Steel
36	1	Eccentric Wheel Packing	Plastic

Drawn By: Simon Rowley	Checked By:	File Name: HSA v2.1.14 Instructions	Date: Feb 2011	Scale: N/A
Copyright: Chiltern Model Steam		Part: Single Cylinder Mill (Horizontal) Engine Assembly Instructions		
		Material: N/A	Rev: 1.1	Part: N/A