



Contents

Chapter	Title	Page
1	Live Steam Models	
1.1	Early Developments.....	1
1.2	Level of Skill Required.....	4
1.3	First Steps.....	4
2	Operation of Live Steam Models	
2.1	Safety Aspects of Operation.....	6
2.1.1	Burns and scalds.....	6
2.1.2	Fire.....	6
2.1.1	Explosion.....	8
2.1.4	Exhibition running.....	9
2.2	General Points on Operation.....	9
3	Making a Start - Tools and Equipment	
3.1	Introduction.....	11
3.2	A Place to Work.....	11
3.3	Tool Requirements.....	12
3.4	Basic Hand Tools.....	12
3.5	Drills and Drilling.....	13
3.6	Taps, Dies and Reamers.....	14
3.7	Tool Sharpening.....	15
3.8	Machine Tools.....	16
3.9	Soft and Hard Soldering Equipment.....	18
4	Workshop Hints	
4.1	General.....	19
4.2	Milling Angle.....	19
4.3	Turning Wheels.....	20
4.3.1	A wheel mounting plate.....	21
4.4	Hard (Silver) Soldering.....	22
5	Some Practical Notes	
5.1	Introduction.....	24
5.2	Boilers.....	24
5.3	Cylinders.....	25
5.4	Mechanical Feed Pumps.....	26
6	Small Repairs	
6.1	General.....	27
6.2	Unions.....	27
6.3	Check valves.....	27
6.4	Miniature fuel sump.....	29
7	A Portfolio of model steam locomotive photographs.....	30