

SR/BR Maunsell Q Instructions.

You can assemble body, chassis and tender in any order, or all at the same time, it makes no difference.

Fig. 1. Body Construction.

Take the running plate (1) and fold down the drag beam at the back. Solder the bufferbeam (2) into the half etched recess at the front of the running plate. Form the running plate valances (3) to shape, trim to length and solder under the edge of the running plate. Fold the splasher sides up at 90 degrees.

Solder the cab sides (4 & 5) into their slots and then fit the cab front (6) in between them. Fit an 8BA screw into the holes at the back and front of the running plate. Fold the cab floor support (7) to shape and solder in place and then solder the cab floor (9) on top of it. Solder the cab side overlays (10) to the cab sides. Solder the frames (11) into their slots on top of the running plate and the front boiler supports (12) in between the frames at the front.

Using the firebox front (14) as a guide, form the firebox (13) to shape. It doesn't have to be exact but try and keep the sides even. Solder the firebox to the front using low melt solder (it will help if you 'tin' the brass with ordinary solder first). Fit the firebox unit in place between the frames and against the cab. Make sure the top of the firebox sits centrally between the cab front windows.

Solder up the seam of the boiler (15). Solder the inner smokebox overlay (16) around the front of the boiler. Solder one boiler band (50) at the back edge of the boiler, one against the inner smokebox overlay and one exactly halfway between the two. Check the fit of the boiler to the front of the firebox and front supports. Make sure everything is square and solder the boiler in place. Form the outer smokebox overlay (17) to shape and slide it onto the boiler front with the sides between the frames and boiler supports. Next fit the smokebox front (46) and solder the small step (47) into its slot.

Solder or glue the splasher tops (22 & 23) into the splasher openings. Alternatively cut some scrap brass to fit in these openings. This will give greater clearance for the wheels.

Shape the cab and running plate steps (18 & 20). Solder them into position. Solder the small steps (19 & 21) into the larger steps.

Finally fit the cab roof (24) in place using low melt solder.

Fig. 2. Chassis Construction.

Take the mainframes (25) and fit the 1/8th axle bushes into the holes (if you want to have the chassis compensated cut the infill pieces from the chassis, (a sprung compensating kit will be required)).

Fold the frame sides up and fit the centre spacer (27). Check that all is square and solder the spacer in place. Next fit the rear spacer (28), front spacer (29) and lower rear spacer (26). Fit an 8BA screw (8) into the lower spacer.

Solder the brake blocks (32) to the brake hangers (31) making three L/H and three R/H. Solder wire through the holes in the frames and hang the brakes on the wires. Pass wire through the bottom holes to join the left and right brakes together. Make pull rods out of wire.

Fig. 3. Tender Construction.

Take the tender running plate (34) and fold the drag beam down at the front. Solder the main frames (35) into their slots noting that the smaller curved cut out goes at the front. Fit the bufferbeam (37) in place at the back of the frames. Solder the valances (36) under the edge of the running plate. Solder the six pin point bearings (83) into the frame holes.

Solder the tender rear frame (38) into the slots at the back of the running plate. Then fit the tender side frames (39) into their slots noting that the large recess goes to the back of the tender.

Take the coal plate (41) and fold down the front bulkhead section. Fold up the coal space (40) and solder it under the coal plate. Fit this unit to the top of the sides and rear. Now solder in place the side and rear overlays (44 & 45).

Fit the steps (48) in the same way as on the loco body. Solder the coal bulkheads (42) into their slots and the coal chute (43) into the recess in the coal hole.

Figs. 4, 5 & 6. Detailing.

Fit the following parts:

Chimney (51),

Dome (52),

Safety valve base (53),

Reversing bar (54),

Steam reverser (55),

Clack valves and piping (56),

Lower firebox sides (57),

Sandbox fillers (58), Washout plugs (59), Ejector pipe (60), Piping conduits (61), Piping (62)
[from copper wire].

Smokebox front step,

Smokebox door (63),

Handrail knobs (64) and wire (33),

Lamp brackets (65) [from staples],

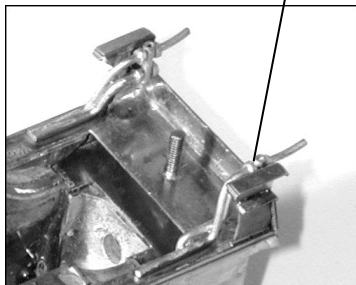
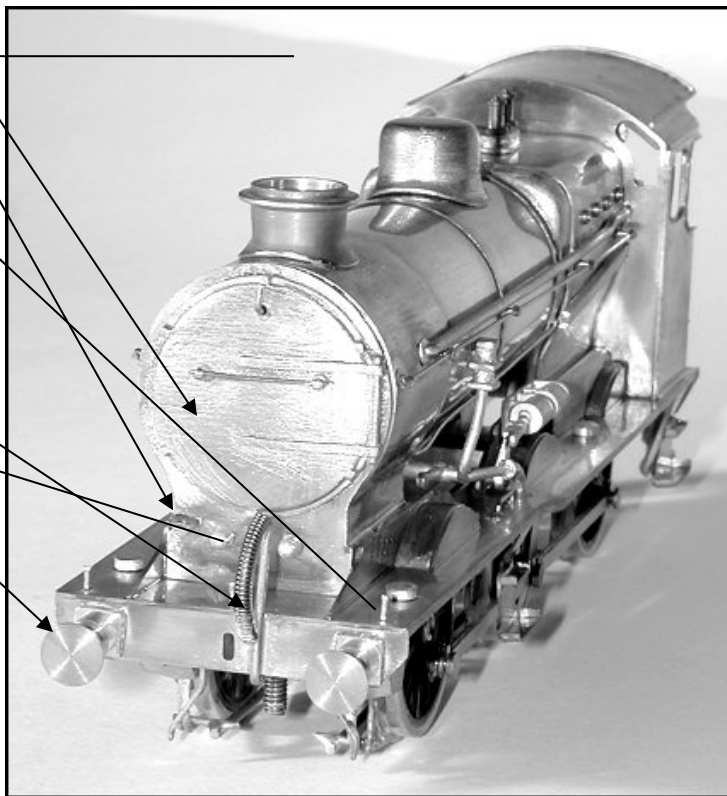
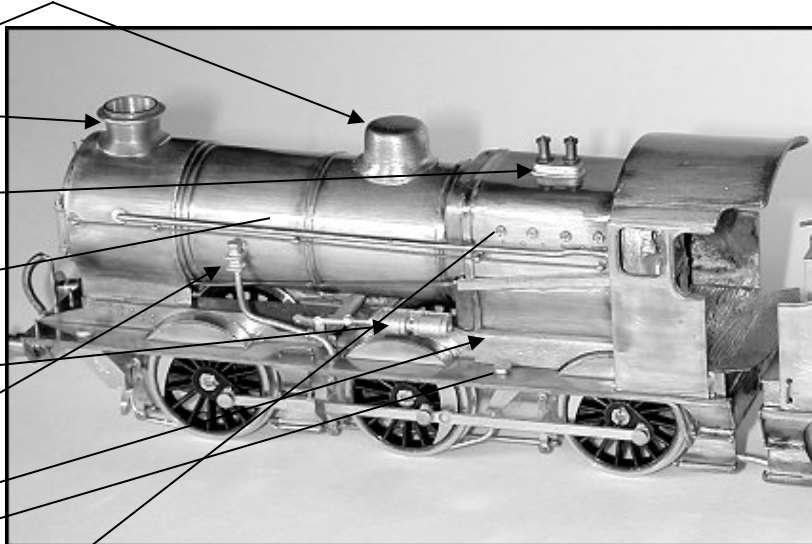
Vacuum pipe (66),

Buffers (67),

Piston tail rods (68).

The safety valves (69) can be fitted after painting.

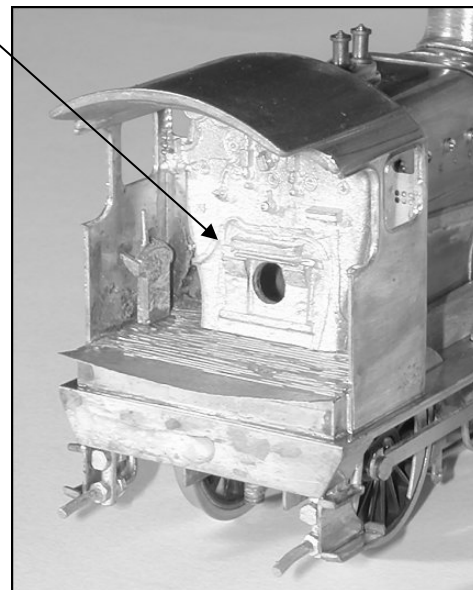
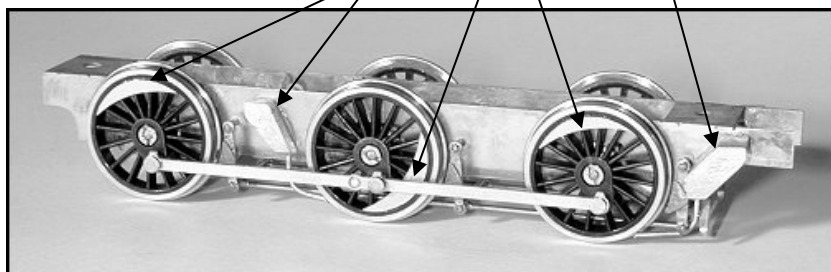
Injectors (70 & 71).



Figs. 7 & 8. Detailing.

Backhead (72),
Reversing lever (73).

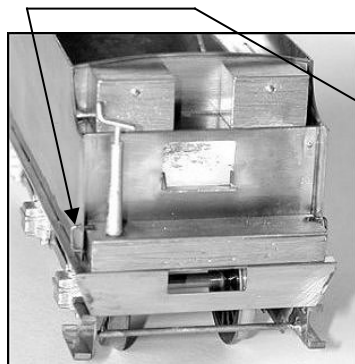
Rear sandboxes (74),
Front sandboxes (75),
Balance weights (76).



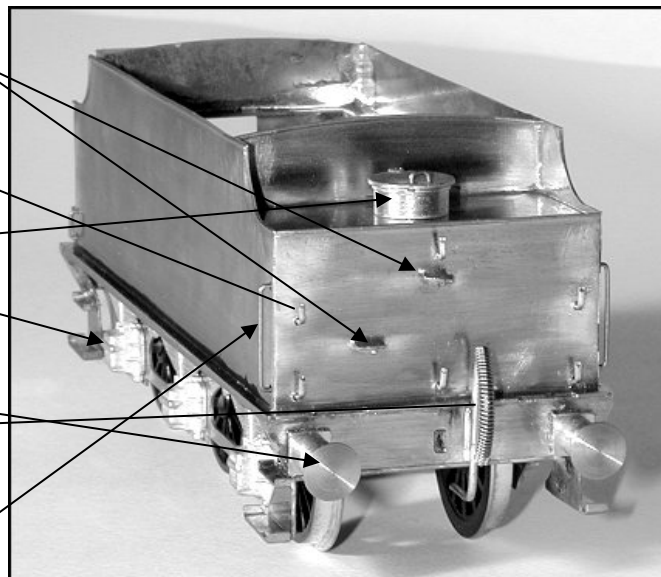
It is best to paint the chassis
before fitting the wheels.

Figs. 9 & 10.

Rear Steps (77),
Lamp brackets (65) [from staples],
Axleboxes (78),
Water filler (79),
Buffers (67),
Vacuum pipe (66).



Handrails (33),
Toolboxes (80),
Front footplate (81),
Brake standard (82),



Parts List.

- | | |
|--------------------------------------|------------------------------|
| 1. Running plate | 44. Tender side overlays. |
| 2. Bufferbeam | 45. Tender side overlays. |
| 3. Running plate valances. | 46. Smokebox front. |
| 4. R/H Cab side. | 47. Smokebox front step. |
| 5. L/H Cab side. | 48. Tender side steps. |
| 6. Cab front. | 49. Small side steps. |
| 7. Cab floor support. | 50. Boiler bands. |
| 8. 8BA Nuts and screws. | 51. Chimney. |
| 9. Cab floor. | 52. Dome. |
| 10. Cab side overlays. | 53. Safety valve base. |
| 11. Frames. | 54. Reversing bar. |
| 12. Boiler supports. | 55. Steam reverser. |
| 13. Firebox. | 56. Clack valves and piping. |
| 14. Firebox front. | 57. Lower firebox sides. |
| 15. Boiler. | 58. Sandbox fillers. |
| 16. Inner smokebox overlay. | 59. Washout plugs. |
| 17. Outer smokebox overlay. | 60. Ejector pipe. |
| 18. Running plate steps. | 61. Piping conduits. |
| 19. Small steps. | 62. Piping (copper wire). |
| 20. Cab steps. | 63. Smokebox door. |
| 21. Small steps. | 64. Handrail knobs. |
| 22. Large splasher tops. | 65. Lamp brackets (staples). |
| 23. Small (rear) splasher tops. | 66. Vacuum pipe. |
| 24. Cab roof. | 67. Buffers. |
| 25. Main frames. | 68. Tail rods. |
| 26. Lower rear spacer. | 69. Safety valves. |
| 27. Centre spacer. | 70. L/H injector. |
| 28. Front spacer. | 71. R/H injector. |
| 29. Rear spacer. | 72. Backhead. |
| 30. 1/8 th Axle bearings. | 73. Reversing lever. |
| 31. Brake hangers. | 74. Rear sandboxes. |
| 32. Brake blocks. | 75. Front sandboxes. |
| 33. Brass wire. | 76. Balance weights. |
| 34. Tender running plate. | 77. Tender rear steps. |
| 35. Frames. | 78. Axleboxes. |
| 36. Valances. | 79. Water filler. |
| 37. Bufferbeam. | 80. Toolboxes. |
| 38. Tender rear frame. | 81. Front footplate. |
| 39. Tender side frames. | 82. Brake standard. |
| 40. Coal space. | 83. Pin point bearings. |
| 41. Coal plate. | 84. Coupling rod backs. |
| 42. Coal bulkheads. | 85. Coupling rod overlays. |
| 43. Coal chute. | |

Fig. 1. Body Construction.

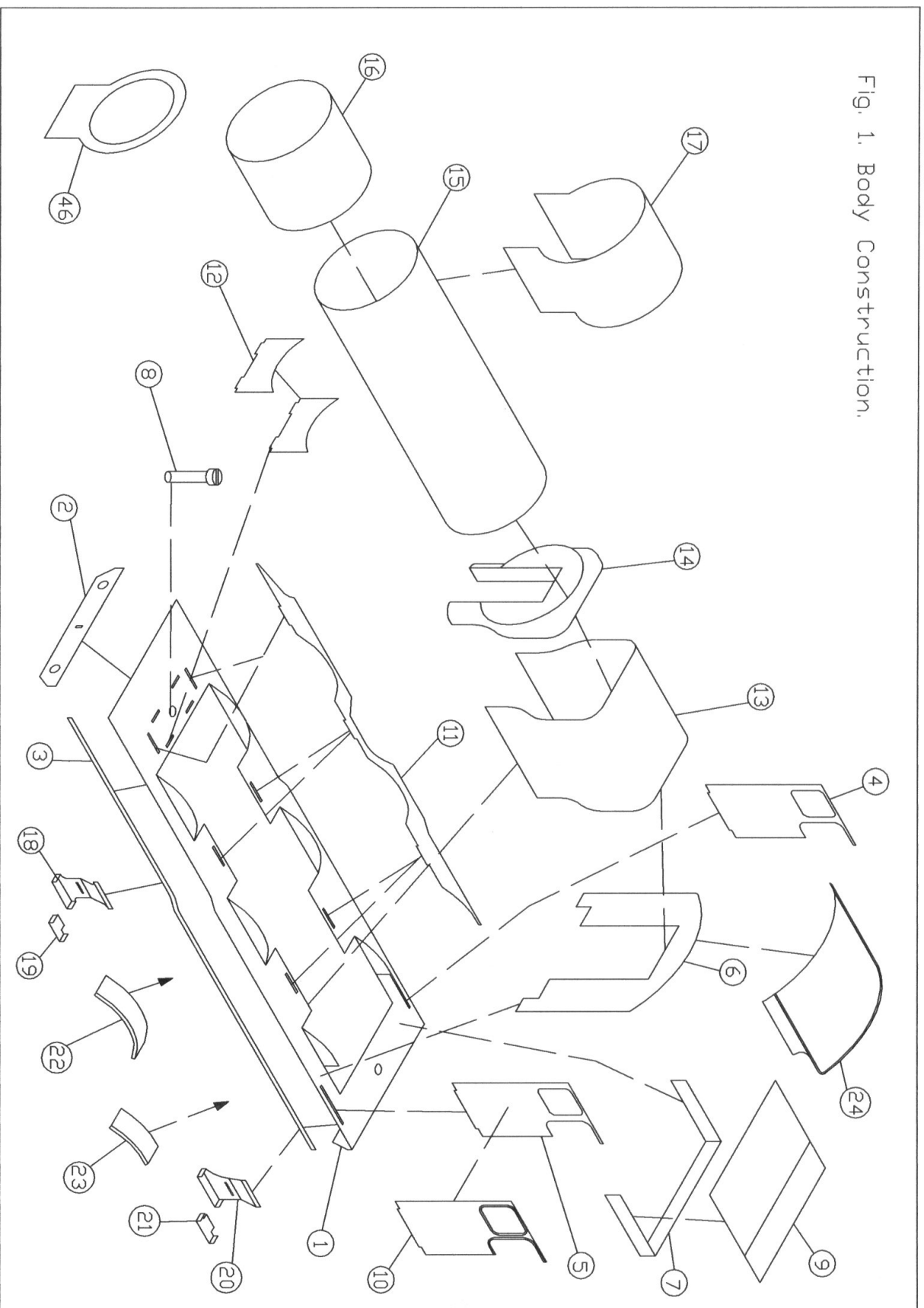
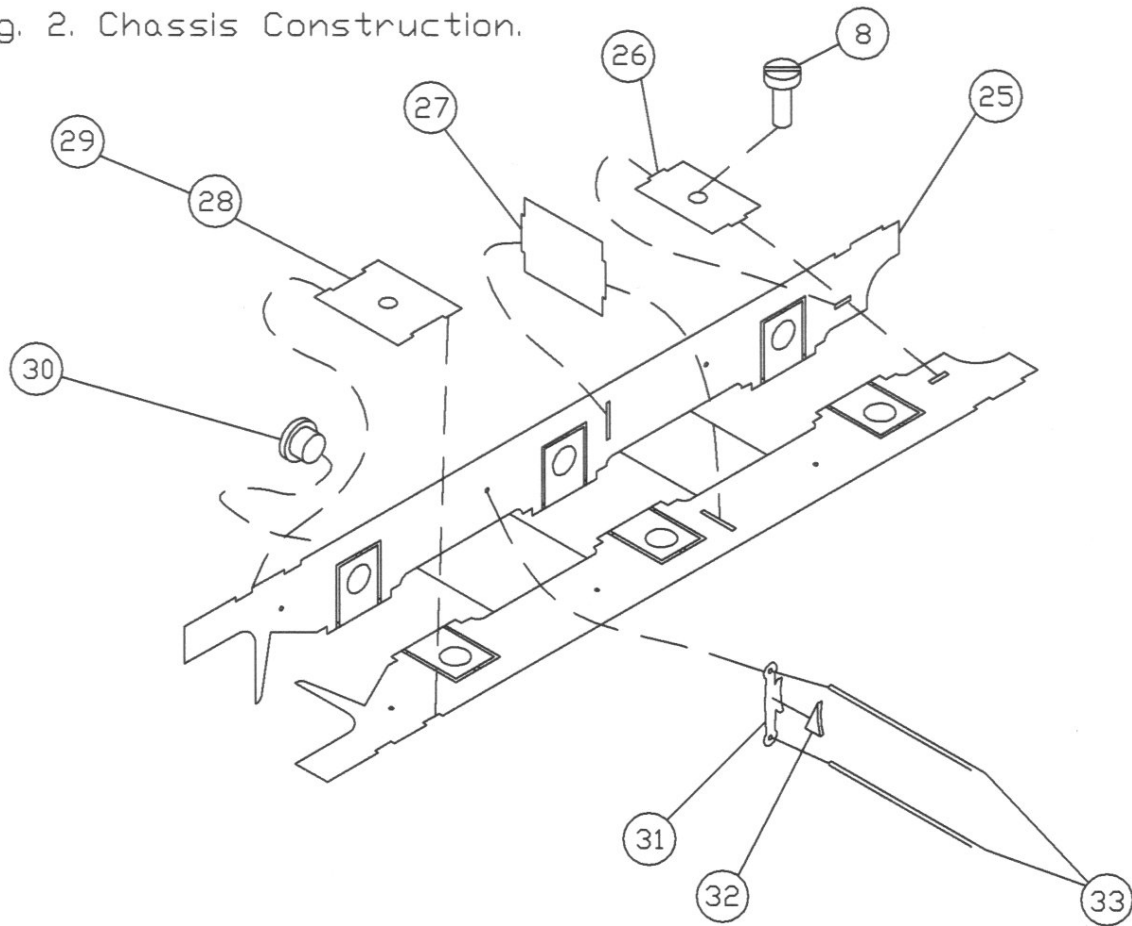


Fig. 2. Chassis Construction.



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Fig. 3. Tender Construction.

