SCHEDULE OF LOCOMOTIVE, CAR AND WAGON AND AUXILIARY SECTIONS

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{Part only of Code 48; Issue 3. Pages 17 – 21 of the original are not available. If any one can help please contact the NFRS Secretary}

(1) CAR AND WAGON SECTIONS

- 1 C Axle boxes bearings, plain, ball and roller
- 2 C Body Car: including framing, sheathing, flooring, panelling, carlines, insulation, framing knees, partitions, sections, roofing, painting, lettering.
- 3 C Body Brake van, postal car, power car: including (as 2C).
- 4 C Body Wagon: including (as 2C), also signwriting.
- 5 C Bogie: including bolsters, framing, hornblocks, swing links, bottom bogie centre, equaliser beam, stays, check chains trunnions and brackets rivetted to bogie.
- 6 C Brake-air equipment including piping, general arrgts and patent parts.
- 7 C Brake rigging including levers, rods, hand brake gear, bogie brake gear, brake blocks and links.
- 8 C Buffers and drawgear including draft lugs.
- 9 C Clearances and car diagrams.
- 10 C Doors and windows: including door shields, window screens and bars, blinds.
- 11 C Electric light and wiring: including lamp fittings, batteries, alternators, dynamos, patent parts.
- 12 C Fittings car: including ventilators, door locks, hat and coat hooks, luggage racks, class and number plates, ashtrays, mirrors, cupboards and shelves.
- 13 C Fittings van: including ventilators, door locks, luggage hooks, ambulance equipment, tools and spare parts, grab irons, mirrors, name plates, oil lamps etc.
- 14 C Fittings postal van: including ventilators door locks, mail bag hoppers, letter boxes, postal plates, pidgeon holes, grab iron etc.
- 15 C Fittings wagon: including ventilators, racks hooks, load plates, tank wagon equipment, gas holder fittings.
- 16 C Gas equipment and piping: including reservoirs, regulators, heaters, gas stoves, light fittings.
- 17 C Lavatories and showers: including sinks, fittings, washbasin, toilet, hopper, piping, tank and water conn's.
- 18 C Miscellaneous, experimental work: including lifting gear, dunnage, pallets, etc.
- 19 C seats and seating arrangement: including bunks and bunk fittings, chairs.
- 10 C Springs and spring gear.
- 21 C Space heating electric steam warm air: including piping, elements, ducts, air conditioning and water raising equipment.
- 22 C Underframe and details: including top bogie centre, knees to underframe, step irons, lamp brackets, horse hooks, truss rods.
- 23 C vestibule diaphragms and details verandah details, gates and gangway equipment.
- 24 C Wheels, tyres, axles.
- 25 C Buses, coaches and fittings.
- 26 C diesel engine for power generator: including piping, engine fittings.
- 27 C Controls electric control equipment: including hydraulic and mechanical engine controls.
- 28 C Tanks and fittings: fuel, oil, water.
- 29 C Radiators: including fans, fan motors and electric equipment, reserve tanks.
- 30 C Wiring and schematic diagrams (except lighting) cable, cable ducts, conduit and jumpers and piping.
- 31 C Fire protection
- 32 C Electrical equipment and instruments: including inter-car couplers, auto door equipment, cabin call public address and telephone systems, distribution boards.
- 33 C Generators main and auxiliary.
- 34 C Containers removable bodies, tanks, hoppers

(2) DIESEL ELECTRIC LOCOMOTIVE SECTIONS

- 1 D. E. Arrangement general including outline and weight diagrams.
- 2 D. E. Arrangement piping including pipe fittings, clips, electrical conduit, cable ducts.
- 4 D. E. Axleboxes and hornguides driving.
- 5 D. E. Axleboxes and hornguides non-driving.
- 6 D. E. Boilers heating complete with mountings, grate, ashpan, electrical equipment.
- 8 D. E. Brake rigging including handbrake.
- 9 D. E. Brake (Westinghouse) equipment, including EP brake electrical control equipment, compressors, compressor motors, pneuphonic horns.
- 10 D. E. Buffers and drawgear **not** including intermediate drawgear.
- 11 D. E. Cab-driving including arrangement of apparatus, windscreen wiper.

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- 12 D. E. Superstructure including framing, sheathing, roofing, flooring, windows, doors –not including door control gear.
- 18 D. E. Drawgear intermediate.
- 24 D. E. Framing main including all underframe parts and end platforms.
- 25 D. E. Framing bogie and details including bottom centres.
- 26 D. E. Heating apparatus including electric heaters and heater control not including boilers.
- 28 D. E. Lighting equipment including head lamps, tail lamps, fittings and control equipment.
- 29 D. E. Lubricating equipment including head lamps, tail lamps, fittings and control equipment.
- 30 D. E. Miscellaneous and experimental including lists of prints, testing equipment etc.
- 32 D. E. Mountings and fittings including ventilators, net racks, class and number plates, ashtrays etc.
- 38 D. E. Sandboxes, operating gear and electrical equipment.
- 41 D. E. Springs, hangers, brackets and details (engine).
- 42 D. E. Springs, hangers, brackets and details (bogie).
- 46 D. E. Tools and breakdown equipment including signalling equipment etc.
- 50 D. E. Wheels, tyres and axles driving.
- 51 D. E. Wheels, tyres and axles non-driving.
- 52 D. E. Gear drive including gears, pinions, gearcases, quill drives flexible couplings, belt drives.
- 54 D. E. Electrical instruments and meters including speedometers, tachometers and fittings radio equipment.
- 56 D. E. Air ducts, air filters and ventilating systems including blowers and blower motors and electrical control equipment.
- 58 D. E. Diesel engines.
- 59 D. E. Controls electric traction control equipment including air, hydraulic and mechanical engine controls.
- 60 D. E. Fuel tanks and fittings.
- 61 D. E. Radiators including fans, fan motor and electrical equipment, reserve tanks.
- 62 D. E. Wiring diagrams, cables and cable bundling.
- 63 D. E. Fire protection equipment and fire warning devices
- 66 D. E. Seats and fittings.
- 67 D. E. Storage batteries and mountings.
- 68 D. E. Traction motors including motor suspension.
- 69 D. E. Lavatories including wash basins, toilet fittings, filters, tanks and water connections.
- 70 D. E. Maintenance instructions.
- 71 D. E. Generators main and auxiliary.
- 72 D. E. Door control equipment electrical, mechanical and air.

(3) ELECTRIC LOCOMOTIVE SECTIONS

- 1 E Arrangement general including outline and weight diagrams.
- 2 E Arrangement piping including pipe fittings, clips, electrical conduit, cable ducts.
- 4 E Axleboxes and hornguides driving.
- 5 E Axleboxes and hornguides non-driving.
- 6 E Boilers heating complete with mountings, grate, ashpan, electrical equipment.
- 8 E Brake rigging including handbrake.
- 9 E Brake (Westinghouse) equipment, including E.P. brake, electrical control equipment, compressors, compressor motors, pneuphonic horns.
- 10 E Buffers and drawgear **not** including intermediate drawgear.
- 11 E Cab-driving including arrangement of apparatus.
- 12 E Superstructure including framing, sheathing, roofing, flooring, windows, doors not including door control gear.
- 18 E Drawgear intermediate.
- 24 E Framing main including all underframe parts and end platforms.
- 25 E Framing bogie and details including bottom centres.
- 26 E Heating apparatus including electric heaters and heater control not including boilers.
- 28 E Lighting equipment including head lamps, tail lamps, fittings and control equipment.
- 29 E Lubricating equipment and diagrams including lubrication oil pump motor and motor control equipment.
- 30 E Miscellaneous and experimental including lists of prints, testing equipment etc.
- 32 E Mountings and fittings including ventilators net racks, class and number plates, ashtrays etc., labels.
- 38 E Sandboxes, operating gear and electrical control equipment.

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- 41 E Springs, hangers, brackets and details (engine).
- 42 E Springs, hangers, brackets and details (bogie).
- 46 E Tools and breakdown equipment including signalling equipment
- 50 E Wheels, tyres and axles driving.
- 51 E Wheels, tyres and axles non-driving.
- 52 E Gear drive including gears, pinions, gearcases, quill drives.
- 54 E Electrical instruments and meters including speedometers and fittings, radio equipment.
- 56 E Air ducts, air filters and ventilating systems including blowers and blower motors and electrical control equipment.
- 59 E Controls electric traction control equipment including air, hydraulic and mechanical controls and equipment cases
- 62 E Wiring diagrams, cables and cable bundling, terminal boards and strips.
- 63 E Fire protection equipment and fire warning devices.
- 64 E Pantographs and roof mounted electrical equipment including lighting arrestors, choke coils, bus bars, radio interference equipment.
- 66 E Seats and fittings.
- 67 E Storage batteries and mountings.
- 68 E Traction motors including motor suspension
- 69 E Lavatories including wash basins, toilet fittings, filters, tanks and water connections.
- 70 E Maintenance instructions.
- 71 E Generators motor generator sets.
- 72 E Door control equipment electrical, mechanical and air.

(4) CRANES (NOT STEAM) SECTIONS

- 1 H Arrangement general, including arrangement of superstructure gear.
- 2 H Arrangement piping, including pipe fittings.
- 4 H Axleboxes, axle bearings, wedges, horns and hornstays carriage framing.
- 5 H Axleboxes, axle bearings and horns bogie.
- 8 H Brake rigging.
- 10 H Buffers and drawgear.
- 11 H Cab.
- 12 H Superstructure framing.
- 14 H Connecting and coupling rods on driving wheels.
- 16 H Cylinders pneumatic or hydraulic.
- 24 H Framing carriage, including roller rings and races, and rail clips.
- 25 H Framing bogie.
- 26 H Heating apparatus including electric heaters and heater control.
- 28 H Lamps and brackets.
- 29 H Lubricating equipment and diagrams.
- 30 H Miscellaneous and experimental, including match wagons and equipment.
- 32 H Mountings and fittings, including operating valves for hydraulic cranes etc.
- 41 H Springs, hangers and details carriage framing.
- 42 H Springs and details bogies.
- 46 H Tools and outfit, toolboxes.
- 50 H Wheels, tyres and axles—carriage frame.
- 51 H Wheels, tyres and axles bogie.
- 52 H Transmission, including gearing, shafts and shaft bearing.
- 58 H Diesel engines including exhaust systems and silencers.
- 59 H Control arrangements and levers etc.
- 60 H Fuel tanks and fittings.
- 61 H Radiators including fans.
- 62 H Wiring diagrams.
- 68 H Motors, electric, including suspension.
- 70 H Maintenance instructions.
- 71 H Generators.
- 73 H Jibs and details.
- 74 H Clutches and details.
- 75 H Wire rope barrels and rope drums and associated brake gear, pulleys, sheaves, lifting blocks and hooks.

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(5) STEAM LOCOMOTIVE SECTIONS

- 1 L Arrangement general including outline and weight diagrams.
- 2 L Arrangement piping including pipe fittings and clips.
- 3 L Ashpan and gear dampers.
- 4 L Axleboxes and horns (engine).
- 5 L Axleboxes and horns (bogie).
- 6 L Boiler shell including outside firebox and dome.
- 7 L Boiler seatings and expansion brackets.
- 8 L Brake rigging including handbrake.
- 9 L Brake (Westinghouse) equipment and piping.
- 10 L Buffers and drawgear excluding engine tender drawgear.
- 11 L Cab and details.
- 12 L Clothing, casings and handrails including cylinder clothing, running boards.
- 13 L Connecting rods.
- 14 L Coupling rods.
- 15 L Crossheads, slippers and gudgeon pins.
- 16 L Cylinders with covers and attachments.
- 17 L Cylinder cock gear.
- 18 L Drawgear between engine and tender.
- 19 L Eccentrics and rods or crankarms and rods.
- 20 L Firebox (inside) foundation and firehole rings, thermic syphons and tube plates.
- 21 L Firehole door.
- 22 L Firebrick arch and carriers.
- 23 L Firebars and details.
- 24 L Framing (engine) including headstocks, framestays, platforms, footsteps, motion brackets and cowcatchers.
- 25 L Framing (bogie) and details.
- 26 L Heating apparatus and piping.
- 27 L Injectors and operating gear.
- 28 L Lamps and brackets including generator and wiring if electric.
- 29 L Lubricator, brackets and oilboxes.
- 30 L Miscellaneous and experimental including lists of prints and depot equipment.
- 31 L Motion and weighbar shaft.
- 32 L Mountings and fittings including mud and fusible plugs, steam gauges and blower valves.
- 33 L Packings for piston rods and valve spindles.
- 34 L Pipes main steam, exhaust and internal steam.
- 35 L Pistons and rods.
- 36 L Regulator and details.
- 37 L Reversing gear and rods.
- 38 L Sandboxes and gear and rail washing gear.
- 39 L Slide bars and bolts.
- 40 L Smokebox spark arrester, funnel and blower nozzle.
- 41 L Springs, hangers, brackets and details (engine).
- 42 L Springs, hangers and details (bogie).
- 43 L Stays (boiler).
- 44 L Superheater, header, elements and fittings, pyrometers.
- 45 L Tanks, bunker and details.
- 46 L Tools and outfit, toolboxes and signal equipment.
- 47 L Tubes (boiler).
- 48 L Valves piston or slide with spindles.
- 49 L Valves safety.
- 50 L Wheels, tyres, axles and crank pins (engine).
- 51 L Wheels, tyres and axles (bogie).
- 53 L Booster including engine, gearing, equipment and piping.
- 54 L Speedometers and fittings.
- 55 L Oil burning equipment including piping, controls and tube cleaning gear.

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(6) TENDER SECTIONS

- 1 T Arrangement general.
- 2 T Arrangement piping.
- 3 T Axleboxes and horns.
- 4 T Brake rigging.
- 5 T Brake (Westinghouse) equipment and piping.
- 6 T Buffers and drawgear excluding engine-tender drawgear.
- 7 T Drawgear between engine and tender.
- 8 T Frames (main) including headstocks, framestays, platforms, footsteps and cowcatchers.
- 9 T Frames (bogie) and details.
- 10 T Heating apparatus and piping.
- 11 T Lamps, brackets etc.
- 12 T Miscellaneous and experimental.
- 13 T Springs, hangers and details.
- 14 T Tanks, bunker and details.
- 15 T Tools and outfit, toolboxes and signal equipment.
- 16 T Wheels, tyres and axles.
- 17 T Speedometers and fittings.
- 18 T Oil burning equipment.

(7) DIESEL MECHANICAL SECTIONS

- 1 R. M. Arrangement general including outline and weight diagrams.
- 2 R. M. Arrangement piping including pipe fittings, clips, electrical conduit, cable ducts.
- 4 R. M. Axleboxes and hornguides driving.
- 5 R. M. Axleboxes and hornguides non-driving.
- 6 R. M. Boilers heating complete with mountings, grate, ashpan, electrical equipment.
- 8 R. M. Brake rigging including handbrake.
- 9 R. M. Brake (Westinghouse) equipment, including E.P. brake electrical control equipment, compressors, compressor motors, pneuphonic horns.
- 10 R. M. Buffers and drawgear **not** including intermediate drawgear.
- 11 R. M. Cab driving including arrangement of apparatus.
- 12 R. M. Superstructure including framing, sheathing, roofing, flooring, windows, doors not including door control gear.
- 14 R. M. Coupling rods.
- 18 R. M. Drawgear intermediate.
- 24 R. M. Framing main including all underframe parts and end platforms.
- 25 R. M. Framing bogie and details including bottom centres.
- 26 R. M. Heating apparatus, including electric heaters and heater control not including boilers.
- 28 R. M. Lighting equipment including head lamps, tail lamps, fittings and control equipment.
- 29 R. M. Lubrication equipment and diagrams including lubrication oil pump motor and motor control equipment.

{Pages 17 - 21 of the original is unavailable.}