CHRISTOHURCH TRAINAYS. Part 111 ROLLING STOCK by D.R. McCason. ------The rolling stock which was in use/thenelectric trans commenced to operate during 1905 consisted of electric motor care, stoom trail cars and horse end steam atom, but as electric trans gradually took over their duties the steam (motors) were gradually laced out of service, whilet their trail cars were then utilised as electric trail cars and were remubered for this vurpose, and are mentioned later on in this article. In the early days of electric traction there were any types of vehicles, which during their life had been altered, so that by 1948 four distinct types generally receiped in treffic and they are as follows -- TYPES "-(1). Four wheel, single truck, and loading solden type care. Right-whool Pasisum traction bogie, two compartment care. Originally the larger cross seated section was open, or convertible by means of steel shutters and windows sliding up under the roof. All cars of this type are now run as contre and and loading care. Those cere are equipped with air slipper brakes in addition to the usual wheel brakes, air and hend operated, and were built for the Coshmere Hills route. (3). The centre entrance drop centre maximum traction bords care, placed in service with two end saloons and a central drop centre with open cross seats through which entrance was gained into and out of the car. This design of our being posuler in Adelaide, Melbourne and Brisbene, whilet Wellington and Dunodin also designed trans on this style of body. Mowever to guit Christohurch conditions the orem eres seat portion has been enclosed leaving a central doorway for entrance into the car. (4). Bogic englosing saloon cars with transverse secting arrange out following a core typical design of transar, being originally double ended and he separate driving compartments, but are now single ended and have no bulkheads at all. - DESCRIPTION. "-There originally four wheel combination centre calcon and end open to 5. cross seat care (California) type, longitudinal face inwards seats fitted into the calcon and seated all told 36 passengers, and with Clerestery roofs. These cars have been converted into end loading saloon cars with longitudinal rate accountating 25 sitting passon. gers. They were built by John Stenhenson of New York, and placed in oervice during 1905, being counted on a Pockhan 35 inch Michetre 4 wheel truck powered by two 25 H.P. G.E.54 type motors and weight complete being 10 tons. No.1-was converted into a trail car during 1944. No.2 became a staff lunch car in 1946. No.5 is now out of service and awaits discentling. . No.A being used as an advertising car. . Bo.5 Is now out of service and avaits breaking up. Ikunkere. Conforming to the No.2 type betweenly with a control open section 6 to 9. with cross cease, and longitudinal incide the end saloons scating 54. With the contre stole necessitated by the "Davey Clause" of 1911, they now sent 40. Built by Room Bros, of Christchurch in 196 with Clerestory roofs, being mounted on Peckhan 33" diametre maxim traction bogies, powered by two 40 H.P. G.S. 67 notors. weighing in readworthy condition 15 tons. Dumbers. These cars new conform to the second type of car mentioned above. Originally placed into service as half seleon and half open cross 11 to 29. sent type care senting 40 passengers. The open cross sent portion has been closed in leaving a centre side entrence as well as end entrances. Built by Brill and Co, with Clerostory roofs, mounted C Maximum traction bogles and were placed into service during 1906. Their motor power, broking equipment and weighte wary. Nos.11; 12; 15 and 17. Have 2-50 H.P. O.E. 205 motors, with Airwheel, Hend-wheel, Air slipper brukes and weigh th tons.

CHRISTONURCH TRANSAKS. Fort 5. ROLLING STOCK. By. D.R. McCusen.

Rambers.

21 to 23. Of the now Mo. type. i.e. End looding calcon care. Originally built as four wheel combination (California) type with Oldrestory roofs by John Stephenson of New York and placed into service Buring 1905-1906, but since alteral. Having 4-33" diametre wheels and mountail on a Peckhem truck, with 2405 hp., 17.2.54 type orters and wiegh to tone. Care Murbors 5: 21 and 22 are fitted up for coupled set operation.

Originally placed into service ne Double deck care, enclosed end Busbers. the open top deels senting 40 on transverse sects. They were placed in service during 1905, covered with 1-55 hp. motors, and mounted on Position M.T. begins. Until about 1917, they ren the entire Summer ser-vice, but were glow in leading. An accident that year caused their withdr drewel, being converted into single dock four wheel trail cars and remerbored as 145; 144 and 145. Their former merbers then being allotted to the present and type of cars.i.e. 162-171 type.

This ours was unious in so for as Now Sealand trammage are conbeing of the end loading sale in type with longitudinal scate for 44 passengers. But Olorestory roof, it side windows, mounted on a Peckhan 350 diametre Not. Begin powered by 2-67 hope Colle motors and weighed 14 tons. Its final use was that of a Bicyle car for staff, running between Cathedral Square and Reorehouse Avenue depots. In 1946 and 1947 and old steen trailer No. 103 was altered to carry Dicycles and was houled along by No. 30. No. 30 was broken up in July 1947.

Of the Nor Nort type, Originally built as four whoel combination 31 to 35. (California) type with Clerestory roofs by John Stepenson of New York, and placed into service during 1905-1906, but since altered and there wise similar to the earlier care of this type. They were all fitted up for coupled set operation, but we now need for training new drivers.

Rusbors. Originally placed in service as efated for the Now 3rd type of 36 - 47. car in use during 1906, and have since been altored to comform with the abovementioned type of cur.

Similar generally to the now and type of our both in original. 12-161. end converted conditions except Web tack to back cross seats were installed in the out selects instead of longitudinal seate. ceeting accommodation before a centre atele was cut thought the drop centre was . 52 but now scatling only 46 passonsors.

Mambers. Of the Mumber 2 type of ear, being used exclusively on the Cash-163-171. mere Hills, and Paparul routes, being entyped with air elipper brokes 24 to 26 and have such or oval type roofs. The original open cross seat section has since been enclosed in with the exception of two panels at either ond. The running boards are recoved, except under these two penies. They have always sected 44 passengers. Boom Bros., were their builders, Munbers 162 to 171 during 1912, and 84 to 26 during 1917. Weight 19 tons. Mounted on Peckhan M.T. Beploe. Motors in Nes. 162 to 169 are Two G.E. 202-50 h.p and in 170 and 171 Two G.E. 203, 50 h.p. Nes. 162 to 169 were rebuilt in 1986 and 1985 with longer end Matforms and sloping end windows giving a wider decively and reflection rectaction for drivers.

These are of the 4th type, and being a larger type of car with 172-196. Oval roof of the ext loading edoon type with 12 side windows, being mabers. mounted on equal wheel four netored bogdes and designed for multipleunit operation, Juner cable being fitted for such aperation between cars. They are carable of speeds up to 35 mm.h. when running single or as expled sets without trailcars. They run regularly as coupled ceto on both the Summer and Riccarton routes until 1955. The Summer Empress of those days consisted of Top such care healing too trailer care and must have been an imprecative sight rolling over the economy oven more perhaps whilst monding its may around Cathedral Square. Originally 48 sents were provided, but they now east 52 which has been gained by adding sects in the rear platform. The vinios errangement is similar to the once popular American scenic convertible type in that they can be ruised up into to roof. With the exception of 195 - 196 by (C.T.B.) chops they were will by boon Bros and placed in service between 1902 and 1906 and mounted on Brill 26° dismetre equal theel begins with 4-40 h.p. C.E.247a type motors and wieght is 17 tens. /45

CHRISTOFFROM TRAUMAYS. Port 3. DOLLING STOOK BY. D.R. McDuson.

Anothers. They were the first one man type cars to operate in Christelnreh, being 203-205. Originally placed into service during 1921 and constructed by Boon as Brill Radial axel 4 wheel onl loading saloon cars with eval roof and 6 side windows. In 1927 they were rebuilt into one man type motor cars, atill us 4 wheel type with 50° diametre wheele with 2-49 h.p. G.E.247 type motors, and fitted as originally with cross seats with a centre cisis and as such were placed into service on the St-Martine line. Two trolley roles was a unique feature for those 4 whool cars. Their weight in running order amounting to 7.5 tons. In 1945 No.205 had its seats and doors removed when it was then used as the Bicycle cars No. 205 went back into service as a trail onr, and No.204 out of traffic.

All cars are painted in green and cross in a pattern of which individual panelling and window frames have been picked out in these two colours varying in style according to the body design of each can Westinghouse straight-air brakes and hand wheel brakes are fitted to all cars, whilst with the exception of the older four wheel cars and M.T.Rogie cars Nos. 11 to 20, fitted with one trolley pole only, the remainler carry two trolley poles being of the fixed head type.

"TRAIL CARS (Converted from Steam) Newly constituers ...

Numbers. A contre entrance bogle double desk trailer constructed by ephicing top former steam trailers together during 1905. Year of with drawal is not known, but its body and trucks were seen in 1958.

Rumbers. Were five open trailers, single deck, and single truck, back to back 105-109. scats, longitudinal type, with unlargent similar to steam trail stock, from which those cars may have been converted from.

Musbers. Originally built as enclosed cross sort cars (Palace Type on the same 110-115. principal as the English side door compertment carriages). They have been converted into an and loading salors type of car new scating 20 of cross sorts through which a centre siste runs. No.110 has a Peckhan frur-whoel truck which the resolutor have ordinary steam trail type of undergoer.

Rubers. These care are as long as the M.T. begie motors care and nounted on a 124-125. A wheel radial axel truck and originally placed into service with oval type roof and of the convertible open cross seat type cars placed in service during 1916 being built by Been Bros. They have since been converted into end loading scloon type of cars seating 40 passengers, and the long running board along each side of the car has been cut away loaving only sufficient length of it where entrance is made into each end of the car. They have always been used as trail care.

Numbers. Transverse or cress seat, end loading, contro siele saloon, Brill, 124; 125. four wheel redial axel, aval roof type of car placed into service be-146-149. Omean 1917 and 1921, and were built by Boon Bross Excepting Nos. 205, 204-206. 204 and 209 which were converted into Motor cars they have remained as originally placed into service.

Runborc. These are Brill Radial four whoel exel trailears, with a flat roof.

1/5-1/5 5 side windows, with facis windows on top, and are end loading saleon, with longitudinal scating for 52 persons. They were originally built as the logic double dock care Nos. 24 to 26 and were altered into trail cars after 1917.

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Members. Are convertible bogie trail care with cross seats for 44 passengers.

116-125. They are now operated as end and centre entrance saloen type cars with that portion of the running board removed not needed for entrance into the car. They have eval or arched type roofs with internal bearing type bogie trucks, and built during 1917 and 1921.

- BERVICE STOOM

- No. 1. Work car which is a 2,000 gallon track obsaning and water sprinkler, built in America and is still in corvice.
- Nos 2-3. These were Bogie type 5,000 gallon cros with four 55 hp motors, and aprinkled and elected tracks that 1 1926, also being used as snow plough trans until 1950. They were also built in America in 1906 and had

CHRISTCHURCH ROLLING STOCK. By. D.R. McQueen.

A former passenger car converted into track cleaning car and in use.

Originally of the 124 type later as a motor car and is now the the Ho.205. Dicycle car in place of bogie No. 50.

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hine car. This is a four wheel vehicle electrically driven with two trolley poles had hend brokes only. An over head wire maintainance tower . mounted centrally ever the car, with a storage compartment at one end of the car. Its one 55 h.p. motor was suspended in the four wheel truck, which C.T.B. constructed for this purpose. Now out of service.

Of the rolling stock just dealt with there have been no records obteined dealing with electric cars which carried the numbers 16, and from 27 to 29, but it is quite possible that these numbers were in use on former steem trail cars which have long since been placed out of service and not replaced with electric rolling stocks the article of temperal Linear and the manual Linear and the manual Linear Linear and Linear Linear

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