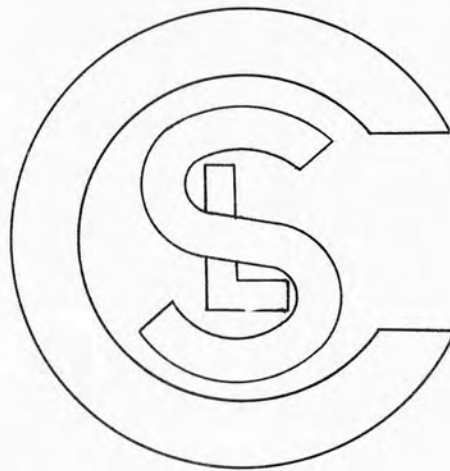


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# Complete Roster of Equipment of the CHICAGO SURFACE LINES

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INCLUDING ITS COMPONENTS

CHICAGO RAILWAYS COMPANY.  
CHICAGO CITY RAILWAY COMPANY.  
CALUMET AND SOUTH CHICAGO RAILWAY COMPANY  
THE SOUTHERN STREET RAILWAY COMPANY.

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Compiled by  
JOHN J. BROWN and CHARLES A. BROWN

Notes on Motors, Control, and Trucks  
by  
JAMES E. COLEMAN and ROBERT E. JOHNSON

With a special historical supplement listing the rolling stock  
for cable and electric motor service on the principal underlying  
street railway properties of Chicago, compiled by  
JOHN J. BROWN

from data furnished by  
CHICAGO SURFACE LINES  
and the  
BOARD OF SUPERVISING ENGINEERS

(Makeup & Layout by George Krambles and Allan Victor)

Bulletin No. 27

Published by

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ply is depleted) by addressing the Association.

**CENTRAL ELECTRIC RAILFANS' ASSOCIATION**

1240 EDISON BUILDING  
CHICAGO, ILLINOIS



EXPLANATORY NOTES - PASSENGER ROLLING STOCK - CURRENT ROSTER

The following notes apply to the various columns of the roster above and to the symbols which have been used to condense the listing.

**COLUMN 1 - GROUP.** The car number, or where more than one of a type, the bracketing numbers of the group. Vacancies in the number series are shown in the last column, EXCEPTIONS & REMARKS.

**COLUMN 2 - NO. CARS.** The total number of cars of the respective groups that are currently in service or in serviceable condition stored.

**COLUMN 3 - YEAR BUILT.** The date originally built, except, where completely rebuilt, using the salvage from other cars, the year of rebuilding is given.

**COLUMN 4 - BLDG.** The builder of the car body. Following symbols used:  
 a - American Car Co.                      p - Pullman Car & Mfg. Co.  
 b - J. G. Brill Co.                        s - St. Louis Car Co.  
 c - Chicago Railways Co.                t - Southern Car Co.  
 e - G. C. Kuhlman Car Co.                u - Chicago Union Tract. Co.  
 j - Jewett Car Co.                        v - Chicago City Railway Co.  
 m - McGuire Cummings Mfg. Co., or    x - Pressed Steel Car Co.  
     Cummings Car & Coach Co.        y - Chicago Surface Lines  
 n - Lightweight Noiseless Elec. St. Car. Co.  
     z - South Chicago City Railway

**COLUMN 5 - CAP'Y.** Passenger seating capacity.

**COLUMNS 6, 7 and 8 -** Outside dimensions of cars.

**COLUMN 9 - WEIGHT.** Without passenger load.

**COLUMN 10 - MOTORS.** Number and manufacturers' designation of traction motors applied to cars; table below gives types and sizes:

ge - GENERAL ELECTRIC COMPANY				w - WESTINGHOUSE ELECTRIC & MFG. CO.			
TYPE	HP RATING	TYPE	HP RATING	TYPE	HP RATING	TYPE	HP RATING
67	40	242	55	306	50	534	50
70	40	264	25	319	40	1430	50
80	40	275	60	508	25	1432	55
216	40	1178	50	516	50		
226	35	1198	55				

**COLUMN 11 - CONTROL.** Here again

ge - GENERAL ELECTRIC COMPANY  
 w - WESTINGHOUSE ELECTRIC & MFG. CO.  
 Direct control types for 2 motor equipments:  
     k36, k51, k63  
 Direct control types for 4 motor equipments:  
     k6, k28, k35

Remote control types include type M - magnetic contactor, type PCM-pneumatic camshaft, automatic acceleration (note, cars 3322 and 3341 of group listed with PCM control have experimental installations of Westinghouse VA sequence switch control) with manual selection of accelerating rate. PCC - commutator type multi-notch controllers standard on PCC equipments furnished by General Electric or by Westinghouse.

**COLUMN 12 - TRUCKS.** Builder's symbol shown first, followed by their type designation numbers and letters, where known. Following builder's symbols:  
 b - J. G. Brill Co.  
 bp - Baldwin-Pullman (license agreement)  
 d - Clark Equipment Co.  
 p - Pullman Car & Mfg. Co.  
 s - St. Louis Car Co.

**EXCEPTIONS & REMARKS.** Notes here list all cars of the respective groups now retired (symbol ret) together with references to any cars of the group which differ from the characteristics listed for the group. Symbol bldr is used for builder.

GENERAL INFORMATION:

- All equipment of this roster is arranged for double end operation, having platforms at each end, with complete controls on each, except:  
 3322-3381 Single end, front entrance, center exit  
 4000 Double end, front and center entrance, rear and center exit.  
 4001, 4002-4051 Single end, front entrance, center & rear exit.  
 8000-8060 double end trailers, center entrance and exit  
 5703-5827 single end, front entrance and exit.  
 6280-6319 single end, front entrance, center exit.  
 7001, 7002-7034 single end, front entrance, center & rear exit.  
 9000-9039, 9040-9046 double end trailers, center entrance & exit.
- All equipment of this roster is arranged for normal operation with two man crews, pay-as-you-pass-the-conductor, except the following groups normally operated by a single man crew, pay-as-you-enter:  
 2000-2005, 2006, 3092, 3093-3118, 3202-3261, 3262-3321, 2900-2903, 2904-2922, 6199-6238, 6240-6279, certain 1200 and 1400 type, certain 5700 type.  
 During midnight hours, certain cars of other types, normally run with two man crews, are operated with one man crew.

RECAPITULATION OF CURRENT PASSENGER EQUIPMENT:

Company	Serviceable Passenger Cars
Chicago Railways Company	2,187
Chicago City Railway Company	1,386
Calumet & South Chicago Railway Company	56
The Southern Street Railway Company	29
<b>Total - CHICAGO SURFACE LINES</b>	<b>3,658</b>

Above figures represent totals of Column 5.

SERVICE AND MISCELLANEOUS NON-REVENUE ROLLING STOCK - CURRENT ROSTER - CHICAGO SURFACE LINES

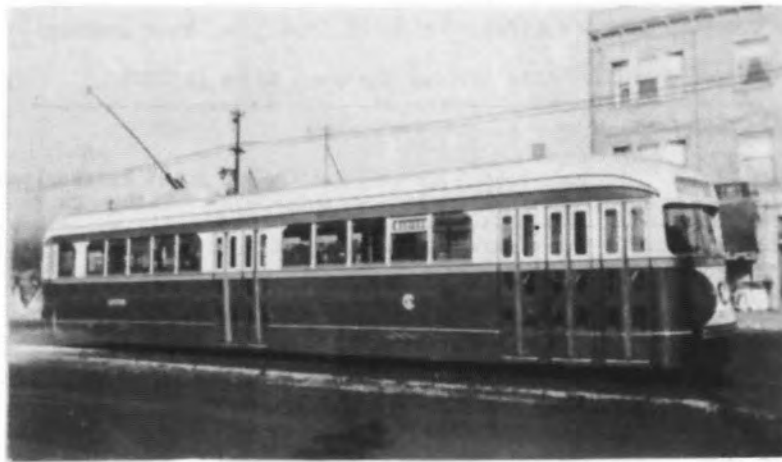
CAR NUMBERS	TYPE OF CAR	NUMBER OF MOTORS	SINGLE OR DOUBLE TRUCK
<u>CHICAGO RAILWAYS COMPANY</u>			
(none)	snow sweeper	trail	s
E1 - E56	snow sweeper	2	s
E57, E58	snow sweeper	4	d
D1 - D6	sprinkler, 4000 gal	4	d
D7 - D10	sprinkler, 6000 gal	4	d
D52-D56, D58-D64, D66	sprinkler, 3000 gal	2	s
F1, F22, F23, F25	snow plow	2	s
F28 - F30	snow plow	4	d
N1 - N5	dump	4	d
N51 - N55	dump	trail	d
W1 - W15, W17	work	4	d
W51 - W54	work	trail	d
W31 - W33	work	2	s
W61-W68, W70-W74, W77-W102	work	trail	s
X1 - X3	derrick	4	d
A1	concrete mixer	2	s
A2 - A9	concrete mixer	trail	s
C1 - C5	coal	2	s
C51 - C54	coal	trail	s
H1, H2, H4-H7, H9, H10	mail	2	s
S1 - S4	supply	4	d
R1 - R5, R9, R10	sand	2	s
G1, G2, G4-G9	cinder	2	s
F1-P5, P8, P9	wreck	2	s
K1	lumber	2	s
L1, L2	locomotive	2	s
M1, M2	money	2	s
O1	meter test	4	d
ARCTURUS, SUNBEAM	party	4	d
4	exhibition electric car	2	s
8	exhibition horse car	trail	s
<u>CHICAGO CITY RAILWAY COMPANY</u>			
1466	instruction	4	d
W201 - W227, W230	work	4	d
W251, W252	work	trail	d
W261-W265, W268-W271, W291-W298, W299	work	trail	d
E201-E230, E233-E236	snow sweeper	2	s
E237	snow sweeper	4	d
F201 - F205	snow plow	2	s
D201 - D213	sprinkler, 4000 gal	4	d
D258, D259	sprinkler, 1400 gal	2	s
I201 - I217	dirt	trail	s
N201 - N202	dump	4	d
N251 - N254	dump	trail	d
A201 - A204	concrete mixer	2	d
A205	concrete mixer	trail	d
S201	supply	2	d
R201 - R202	sand	2	s
P251	wreck	trail	s
K201	lumber	2	s
K251 - K255	lumber	trail	s
L201 - L203	locomotives	4	d
L204	locomotive	2	s
M201 - M202	money	2	s
2626	instruction	4	d
V201	line	4	d
B201	newspaper	2	s
X201	derrick	4	d
U251	cupola	trail	s
H201 - H204	mail	2	s
<u>CALUMET AND SOUTH CHICAGO STREET RAILWAY</u>			
E301 - E309	snowsweeper	2	s
F301, F305	snow plow	4	d
F302 - F304	snow plow	2	s
W301, W302	work	4	d
W316, W317	work	trail	s
Y303	supply	4	d
D301	sprinkler, 6000 gal	4	d
D302, D304	sprinkler, 4000 gal	4	d
<u>THE SOUTHERN STREET RAILWAY COMPANY</u>			
E331, E332	snow sweeper	2	s



Recent Types of Current CSL Cars ←



3331

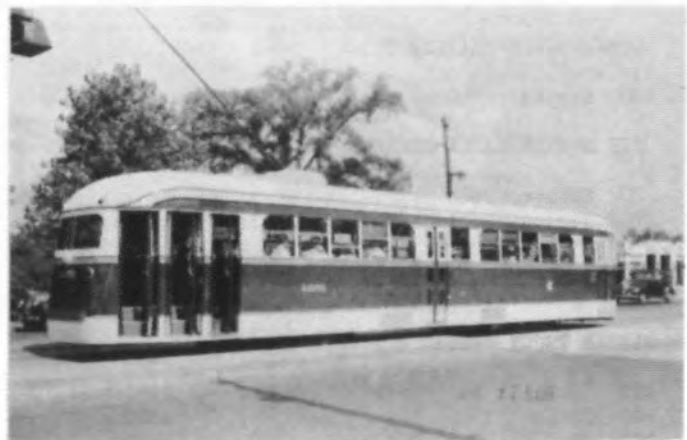


4036

P.C.C. Photos By Ed. Frank Jr.

4051.

Notice experimental door arrangement installed on car 4051 in an effort to improve upon this already excellent design. This car has since been re-arranged in a more conventional plan.



HISTORICAL EQUIPMENT  
OF THE  
CHICAGO SURFACE LINES

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With the exception of a few cars now used for work or display purposes (and listed with current work equipment) all of the following equipment of underlying companies of the Chicago Surface Lines was retired in the early days of the consolidation, mostly prior to 1915.

CHICAGO UNION TRACTION COMPANY  
(Later Chicago Railways Company)

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SINGLE TRUCK CLOSED ELECTRIC CARS - 33 ft. long, seating capacity 30, weight about 18,000 lb.

3801-3813	(Cleveland Cars)		4080-4096	Built by Stephenson	1880
3944	Built by Wells-French	1895	4122-4138	Pullman	1895
3975	Brownell	1892	4142-4180	Pullman	1898
3975-3997	Pullman		4201-4207	Pullman	1887
4000	Pullman	1892	4267-4437	American	1892
4001-4002	Brownell	1894	4299	Chgo West Divn St Ry	1882
4016	Brownell	1894	4360-4362	West Chgo St Ry	1890
4017	Brill	1894	4376	Trimble	1899
4020-4030	Pullman	1895	4378	Brill	1900
	(Present Exhibit car 4 was 4022 this group)		4402	Chgo West Divn St Ry	1884
4038-4051	Wells-French	1895	4555-4625	Chgo Un Tr - West Shop	1901
4069	Builder & Date Unknown				

DOUBLE TRUCK CLOSED ELECTRIC CARS - "Buffalo" or "Lake St." Type, Rear Loading.

3819-3868 Built by Chicago Union Traction Co. at the West Shops in 1901

SINGLE TRUCK OPEN ELECTRIC CARS

5501-5650	Built by Pullman	1896	5900-5905	Built by American, about	1890
5651-5899	Laclede, about	1890	5906-5975	Chgo Un Tr - West Shop	1900

DOUBLE TRUCK OPEN ELECTRIC CARS. These cars were sold in 1917 to Rock Island, Illinois, and were then remodelled as closed electric cars.

5976-6005 Built by Chicago Union Traction Company at the West Shops in 1901.

SINGLE TRUCK CABLE GRIP CARS

201-500 Short type used on Clark, Lincoln, Clybourn and Milwaukee  
501-600 Longer and earliest type, later used as trailers.  
901-1000 Type used on Madison Street.  
1600- Series used on Blue Island Avenue.

DOUBLE TRUCK CABLE GRIP CARS

700 Series, double truck, body half open, half closed (rear - half closed), used on Clybourn Ave.

CLOSED CABLE TRAILER CARS

600 Series, 700 series, 1200 series

OPEN SUMMER CABLE TRAILER CARS

2300 Series, 2400 series, 2500 series, by various builders 1885-1892. Arch roof cars.  
2700 Series, built about 1895. Deck roof cars.

CHICAGO CONSOLIDATED TRACTION COMPANY  
(Later Chicago Railways Company)

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SINGLE TRUCK CLOSED ELECTRIC CARS

212	Built by Brownell	1891	273-280	Built by Pullman	1890
239-260	Stephenson	1892	285, 288, 300	Pullman	1891
262-269	Pullman	1891	410-414	Chgo Un Tr Co	1892

SINGLE TRUCK OPEN ELECTRIC CARS

100 Series motor cars built by Pullman, Stephenson and Laclede.  
300 Series trailers built by Pullman, Stephenson and St. Charles.

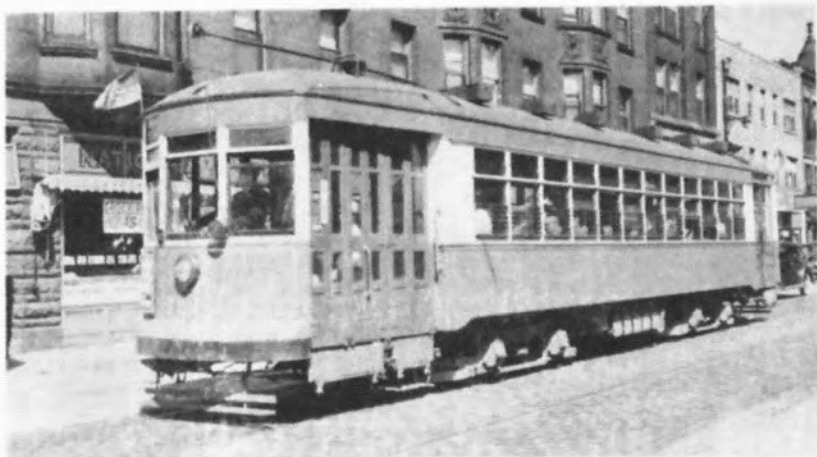
Intermediate Age Current C.S.L. Types

1522

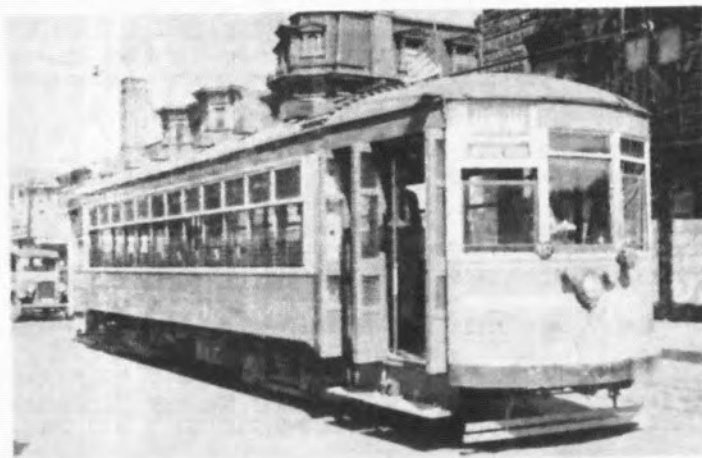
Photo  
C.A. Brown



1717



3270



NOTE: C-S-L practice of flying flags on patriotic holidays, illustrated in some of these pictures.

HISTORICAL EQUIPMENT  
(Continued)

CHICAGO CITY RAILWAY COMPANY

CLOSED CABLE TRAILER CARS

Group 2 - Built by Chicago City Railway Company, about 1890. 149 cars. Single door in bulkheads.  
193, 457-461, 463, 465, 798, 801, 807, 822, 827, 828, 835-840, 842-845, 847, 851, 853-855, 857, 858, 864, 865, 872, 881, 1010-1034, 1036, 1037, 1045, 1069, 1071, 1073, 1080, 1081, 1087, 1091, 1097, 1098, 1099, 1100-1105, 1107-1115, 1117-1126, 1533, 1534, 1537-1570, 1592, 1593, 1602, 1603, 1613, 1617, 1848, 1849, 1857-1859, 1873-1875, 1877.

Group 3 - Built by Pullman in 1896. 41 cars. Double door in bulkheads.  
2087, 2086, 2085, 2083, 2082, 2078, 2077, 2076, 2070, 2066, 2064, 2063, 2060, 2058, 2057, 2056, 2055, 2054, 2053, 2052, 2051, 2049, 2044, 2042, 2041, 2040, 2037, 2036, 2035, 2034, 2033, 2031, 2030, 2029, 2028, 2027, 2025, 2021, 2020, 2018. Note: Inverse order given. Cars were motorized in 1908 and given new numbers ascending serially from 2211-2251 in the order given above.

Group 4 - Built by Wells-French in 1896. 69 cars. Double door in bulkheads.  
2142, 2143-2145, 2141, 2147-2157, 2140, 2139, 2138-2088 (serially descending). Note: These cars were motorized in 1908 and given new numbers ascending serially from 2142-2210 in the order given above.

- Built by Pullman in 1897. 2 cars. Double door in bulkheads. Resembling group 7.  
2249, 2250. Motorized in 1908 and assigned numbers 2120 and 2121.

OPEN CABLE GRIP CARS

Group 1 - Built by Chicago City Railway Company from 1882-1896. 237 cars.  
500-508, 511-528, 530-540, 542-545, 547-551, 557, 559, 560, 565, 566-594, 596-600, 604-606, 610, 612, 615, 616, 624-627, 635, 645, 646, 652-654, 657, 659, 663, 665-671, 674, 680, 688, 690, 692-699, 1200-1255, 1257-1260, 1300-1317, 1319-1321, 1324, 1325, 1328-1337, 1339-1353, 1355-1360.

OPEN CABLE TRAILER CARS

Group 5 - Built by Chicago City Railway Company from 1885-1893. 265 cars.  
57, 103-109, 114-118, 499, 730-748, 918-945, 947-958, 961-965, 968-972, 975-977, 980-982, 984, 987, 988, 991, 993-997, 1047, 1049, 1051, 1052, 1057, 1060, 1061, 1064-1066, 1128, 1129, 1132-1137, 1139-1142, 1144, 1146, 1149-1156, 1158-1161, 1163-1166, 1168, 1171, 1172, 1174-1177, 1179, 1181, 1184-1186, 1188, 1189, 1191, 1192, 1194, 1197, 1199, 1402-1406, 1408, 1411, 1412, 1415, 1430, 1432, 1438, 1445, 1447, 1448-1451, 1453, 1457, 1458, 1461, 1463, 1466, 1467, 1469, 1473-1476, 1480, 1485, 1487-1491, 1493-1496, 1498-1503, 1505-1507, 1510, 1511, 1513-1515, 1518, 1657-1691, 1693-1712.

Group 6 - Built by Chicago City Railway Company from 1885-1893. 19 cars.  
68, 74, 79, 90, 92, 94, 100, 102, 227, 239, 374, 701, 705, 706, 717, 752, 754, 760, 767.

GENERAL NOTE: Cottage Grove cars were painted dark blue with white trim. State Street cars were painted red with white trim. Interiors were dark oak in group 2, light oak in groups 3 and 4.

SINGLE TRUCK CLOSED ELECTRIC CARS

Group 7 - 158 cars built in 1898. Painted different shades of green, interior mahogany.  
2251 - 2350 Built by Stephenson; 2411-2470 Built by St. Louis. Numbers revised 1908 to new series 2341 - 2498, in order shown.

Group 8 - 62 cars built in 1896 by Pullman. Olive green with white trim, interior mahogany.  
1878-1916, 2061, 2062, 2158-2178. Numbers revised 1908 to new series 2279-2340 in order shown.

Group 9 - 43 cars built about 1885 by Chicago City Railway Company. Yellow with white trim, interior, dark oak. 219, 246, 275, 281, 388, 819, 823, 829, 833, 859, 874, 884, 893, 895, 999, 1002, 1003, 1005, 1008, 1009, 1571-1573, 1575-1586, 1842-1847, 2120, 2121.

Group 10 - 27 cars built 1897 by Pullman. Dark blue, white trim. Interior light oak.  
2471 - 2497. Numbers revised 1908 to new series 2252 - 2278. Built as cable trailers; motorized in 1906.

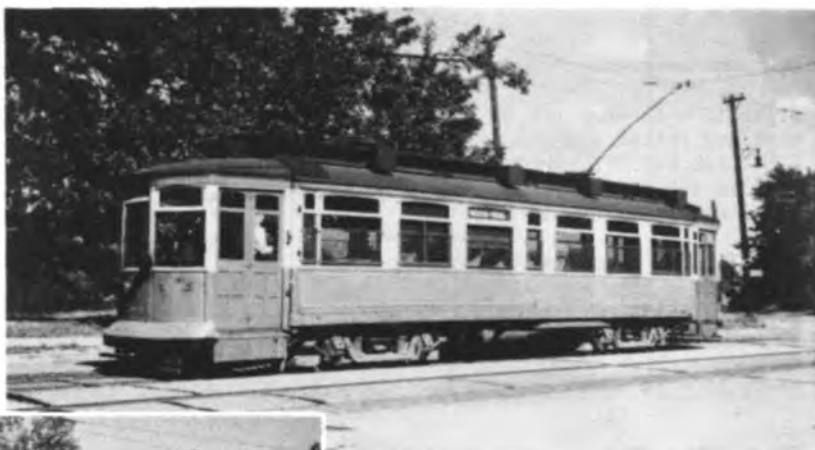
Group 11 - 10 cars built by Chicago City Railway Company about 1884. Yellow with white trim. Interior dark oak. 310, 357, 464, 800, 898, 899, 2122, 2123, 2124, 2125.

Group 12 - 100 cars built by Chicago City Railway Company about 1885. Colors like group 11.  
53, 55, 60, 62, 113, 148, 150-152, 174, 175, 177, 179, 180, 186-189, 204, 206, 209, 210, 292-297, 307, 309, 318, 345, 349, 351, 353, 356, 358, 362, 392, 394, 395, 397-399, 401, 402, 404-406, 408, 410-412, 414, 417, 418, 421, 424, 427, 428, 431, 433, 435, 441, 442, 445, 447, 448, 450-454, 462, 473, 475, 477-489, 491-493, 495, 496, 796, 1650, 1829, 1830, 1838, 2017.



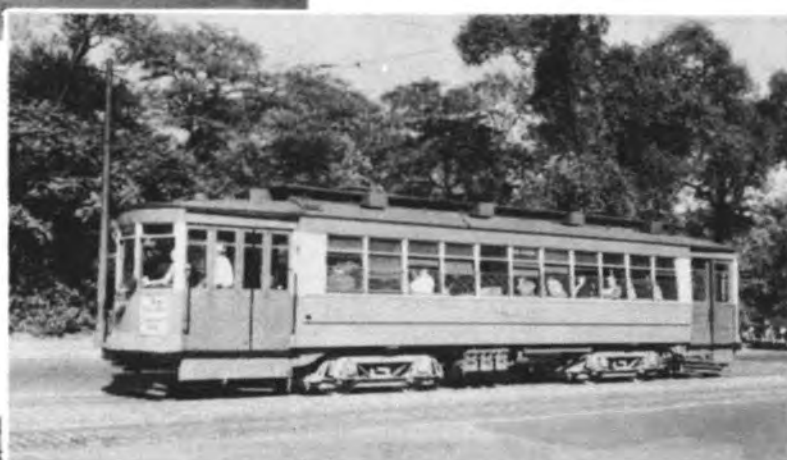
Older Types of Current P.S.L. Cars

2589 →



← 5293

337 →



← 897

HISTORICAL EQUIPMENT  
(Continued)  
CHICAGO CITY RAILWAY COMPANY  
(Continued)

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Group 13 - 54 cars built by Chicago City Ry. in 1884. Remodeled 1898 as "noiseless" cars using fixed sash and rubber inserts in frame and trucks. Color scheme similar to Group 7, except interior green.

54, 145, 149, 173, 178, 208, 211, 286, 289, 306, 319, 344, 352, 354, 359, 361, 364, 368, (party car) 369, 380, 381, 383, 396, 400, 409, 413, 423, 426, 430, 436, 437, 438, 440, 446, 449, 470, 474, 490, 497, 1653, 1823-1826, 1828, 1831 - 1833, 1835-1837, 1839-1841.

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**SINGLE TRUCK OPEN ELECTRIC CARS**

Group 14 - 159 cars built by Pullman in 1896-7. Original numbers 1987-2016, 2179-2245, 2246-2248, 2351-2391, 2393-2410. Numbers revised in 1908 to new series 1850-1916, 1987-2078.

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Group 15 - 70 cars built by Wells-French 1896. Number series 1917-1986.

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Group 16 - 201 cars built by Chicago City Railway Co. from 1885 - 1893.

63-65, 67, 707-713, 718-729, 749-751, 755, 757-759, 762-764, 766, 768-777, 779-794, 861, 900-905, 907, 909-914, 916, 917, 1417-1429, 1431, 1433, 1435-1444, 1446, 1454-1456, 1459, 1460, 1462, 1464, 1465, 1468, 1470-1472, 1477-1479, 1481-1484, 1486, 1522-1525, 1713-1734, 1736-1738, 1740, 1743-1750, 1752-1758, 1760-1763, 1765-1768, 1771-1775, 1777, 1778, 1780, 1783, 1787-1789, 1792-1797, 1799, 1800, 1801, 1803, 1804-1807.

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**GENERAL NOTE:** All summer cars originally painted yellow. In 1908 cars in group 16 were destroyed and cars in groups 14 and 15 were remodelled - glass fronts added and colors changed to dark green with orange trim.

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CALUMET ELECTRIC STREET RAILWAY (YELLOW LINES)  
(Later Calumet and South Chicago St. Ry.)

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Following cars, among others this line had, known definitely to have existed, thru old notes, photos.

**SINGLE TRUCK CLOSED ELECTRIC CARS**

Cars numbered 9, 21, 43, 73, 89, 105

**SINGLE TRUCK OPEN SUMMER CARS**

Cars numbered 32, 70, 80, 299, 303, 307

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SOUTH CHICAGO CITY RAILWAY (RED LINES)  
(Later Calumet and South Chicago St. Ry.)

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Following cars, among others this line had, known definitely to have existed, thru old notes, photos.

**DOUBLE TRUCK CLOSED ELECTRIC CARS**

Cars numbered 303, 311

**DOUBLE TRUCK OPEN ELECTRIC CARS**

Cars numbered 202, 241

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**SINGLE TRUCK CLOSED ELECTRIC CARS**

Cars numbered 24, 25, 30, 39, 109, 115, 418

**SINGLE TRUCK OPEN ELECTRIC CARS**

Car numbered 226.

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**AT RIGHT:** Chicago Cars of the Period 1890 - 1915.

**TOP:** Single truck closed electric car common on North and West side lines. Later used as mail car. Chicago Union Traction Company.

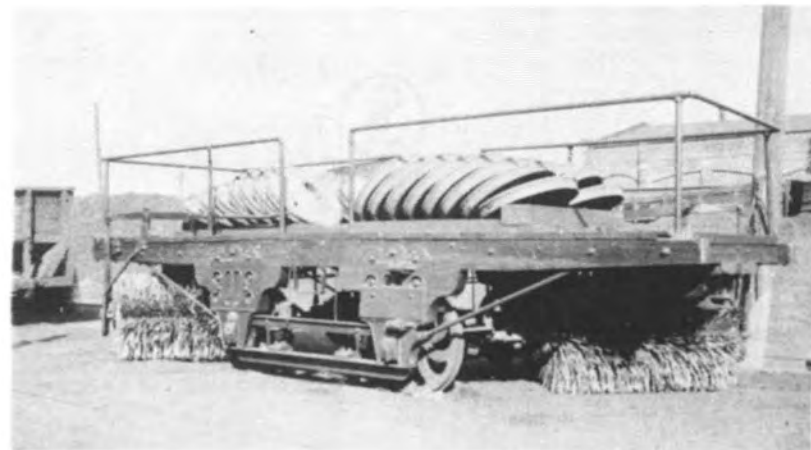
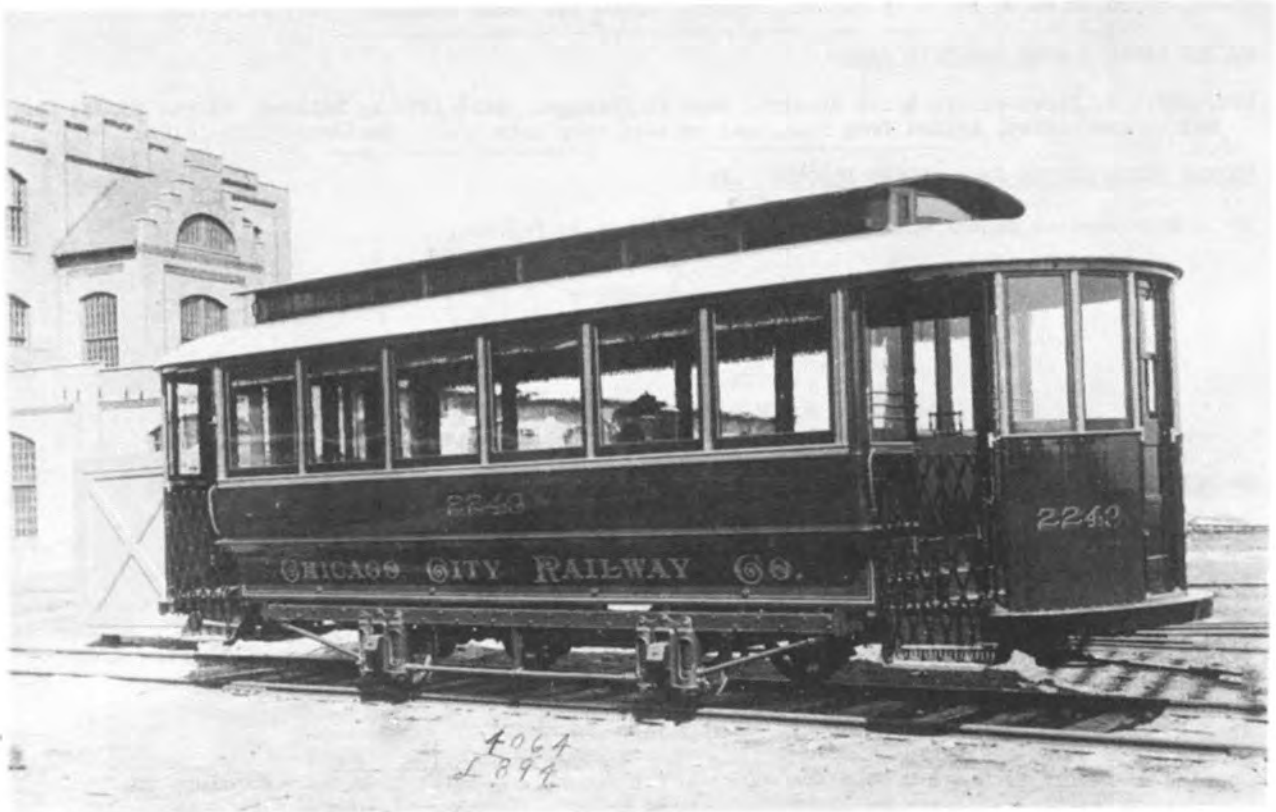
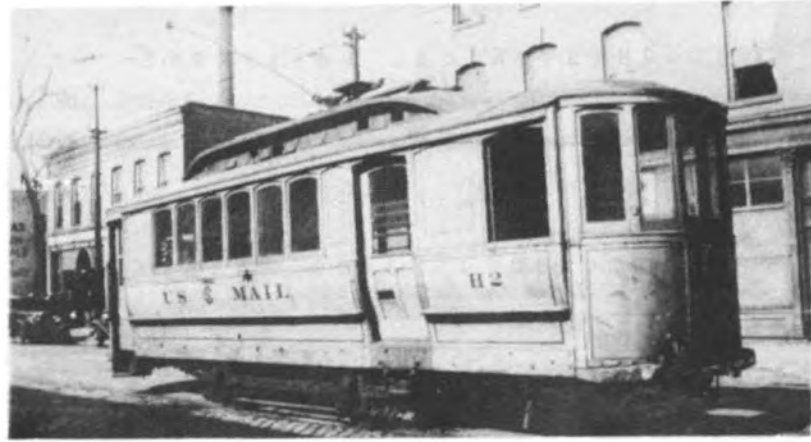
**CENTER:** Chicago City Railway Company car 2249 built as a trailer for an experimental motorized cable grip car and converted to electric motor car later when experiment proved unsuccessful.

**BOTTOM:** Trailer sweeper carrying wheels as ballast, built for use on cable lines. Chicago Union Traction Company.

(Center photo from John J. Brown collection; others by Ed. Frank, Jr.)

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HISTORICAL EQUIPMENT  
(Continued)

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CHICAGO GENERAL RAILWAY  
(Later the Southern Street Railway)

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SINGLE TRUCK CLOSED ELECTRIC CARS

11, 12, 14, 15

41 (Storage battery operated) Weight 16,000 lb. Ran on Dearborn between 16th and 22nd for 2 years.

51-57, 59, 60, 62, 63, 65 Built by Pullman, weight 18,000 lb. Rear loading. Very dark blue color.

DOUBLE TRUCK CLOSED ELECTRIC CARS

101, 103-110 First double truck electric cars in Chicago, built 1896 by Pullman, weight 23,200 lb., had no air brakes, loaded from rear, and painted very dark blue. Destroyed 1909-1910.

DOUBLE TRUCK DOUBLE DECK CLOSED ELECTRIC CAR

50 - Experimental center entrance and exit car built by Pullman.

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CHICAGO & SOUTHERN TRACTION COMPANY  
(City equipment used within Chicago city limits)

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DOUBLE TRUCK SINGLE END ELECTRIC CAR Group A, 15 cars - See Current Roster 5651 - 5665.

SINGLE TRUCK OPEN ELECTRIC CARS - Known to have at least cars 66 and 71 of this type.

SINGLE TRUCK CLOSED ELECTRIC CARS

Group B - Cars 2, 4, 6, 8 built by Pullman. Operated by storage battery.

SINGLE TRUCK OPEN TRAILERS

Group C - Cars 22, 24, 26, 28, 30 built by St. Louis.

Group D - Cars 10, 12, 14, 16, 18 built by Brill.

DOUBLE TRUCK MOTOR SPRINKLER

Group E - Built by C & S T Co.

SINGLE TRUCK MOTOR SWEEPER

Group F - Built by McGuire Cummings Co.

SINGLE TRUCK TRAILER FLAT CAR

Group G - Probably built by C & S T Co. Used as drag plow.

