

553.38071

C166

1931

D

42-211

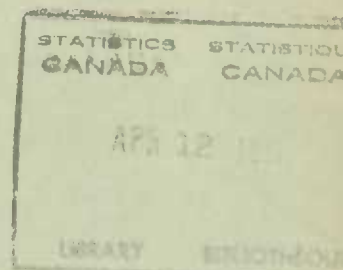
C.2

Canada Railway Equipment

# CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS



## THE RAILWAY ROLLING STOCK INDUSTRY

IN

CANADA

1931

Published by Authority of the HON. H. H. STEVENS, M. P.,  
Minister of Trade and Commerce.

OTTAWA  
1932

553.38071

C166

1931

D

## DOMINION BUREAU OF STATISTICS - CANADA

Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.

Mining, Metallurgical and Chemical Branch

Chief: W. H. Losee, B.Sc.

X<sub>0</sub>, X<sub>1</sub>, X<sub>2</sub>, X<sub>3</sub>, X<sub>4</sub>, X<sub>5</sub>, X<sub>6</sub>, X<sub>7</sub>, X<sub>8</sub>, X<sub>9</sub>, X<sub>10</sub>, X<sub>11</sub>, X<sub>12</sub>, X<sub>13</sub>, X<sub>14</sub>, X<sub>15</sub>, X<sub>16</sub>, X<sub>17</sub>, X<sub>18</sub>, X<sub>19</sub>, X<sub>20</sub>, X<sub>21</sub>, X<sub>22</sub>, X<sub>23</sub>, X<sub>24</sub>, X<sub>25</sub>, X<sub>26</sub>, X<sub>27</sub>, X<sub>28</sub>, X<sub>29</sub>, X<sub>30</sub>, X<sub>31</sub>, X<sub>32</sub>, X<sub>33</sub>, X<sub>34</sub>, X<sub>35</sub>, X<sub>36</sub>, X<sub>37</sub>, X<sub>38</sub>, X<sub>39</sub>, X<sub>40</sub>, X<sub>41</sub>, X<sub>42</sub>, X<sub>43</sub>, X<sub>44</sub>, X<sub>45</sub>, X<sub>46</sub>, X<sub>47</sub>, X<sub>48</sub>, X<sub>49</sub>, X<sub>50</sub>, X<sub>51</sub>, X<sub>52</sub>, X<sub>53</sub>, X<sub>54</sub>, X<sub>55</sub>, X<sub>56</sub>, X<sub>57</sub>, X<sub>58</sub>, X<sub>59</sub>, X<sub>60</sub>, X<sub>61</sub>, X<sub>62</sub>, X<sub>63</sub>, X<sub>64</sub>, X<sub>65</sub>, X<sub>66</sub>, X<sub>67</sub>, X<sub>68</sub>, X<sub>69</sub>, X<sub>70</sub>, X<sub>71</sub>, X<sub>72</sub>, X<sub>73</sub>, X<sub>74</sub>, X<sub>75</sub>, X<sub>76</sub>, X<sub>77</sub>, X<sub>78</sub>, X<sub>79</sub>, X<sub>80</sub>, X<sub>81</sub>, X<sub>82</sub>, X<sub>83</sub>, X<sub>84</sub>, X<sub>85</sub>, X<sub>86</sub>, X<sub>87</sub>, X<sub>88</sub>, X<sub>89</sub>, X<sub>90</sub>, X<sub>91</sub>, X<sub>92</sub>, X<sub>93</sub>, X<sub>94</sub>, X<sub>95</sub>, X<sub>96</sub>, X<sub>97</sub>, X<sub>98</sub>, X<sub>99</sub>, X<sub>100</sub>, X<sub>101</sub>, X<sub>102</sub>, X<sub>103</sub>, X<sub>104</sub>, X<sub>105</sub>, X<sub>106</sub>, X<sub>107</sub>, X<sub>108</sub>, X<sub>109</sub>, X<sub>110</sub>, X<sub>111</sub>, X<sub>112</sub>, X<sub>113</sub>, X<sub>114</sub>, X<sub>115</sub>, X<sub>116</sub>, X<sub>117</sub>, X<sub>118</sub>, X<sub>119</sub>, X<sub>120</sub>, X<sub>121</sub>, X<sub>122</sub>, X<sub>123</sub>, X<sub>124</sub>, X<sub>125</sub>, X<sub>126</sub>, X<sub>127</sub>, X<sub>128</sub>, X<sub>129</sub>, X<sub>130</sub>, X<sub>131</sub>, X<sub>132</sub>, X<sub>133</sub>, X<sub>134</sub>, X<sub>135</sub>, X<sub>136</sub>, X<sub>137</sub>, X<sub>138</sub>, X<sub>139</sub>, X<sub>140</sub>, X<sub>141</sub>, X<sub>142</sub>, X<sub>143</sub>, X<sub>144</sub>, X<sub>145</sub>, X<sub>146</sub>, X<sub>147</sub>, X<sub>148</sub>, X<sub>149</sub>, X<sub>150</sub>, X<sub>151</sub>, X<sub>152</sub>, X<sub>153</sub>, X<sub>154</sub>, X<sub>155</sub>, X<sub>156</sub>, X<sub>157</sub>, X<sub>158</sub>, X<sub>159</sub>, X<sub>160</sub>, X<sub>161</sub>, X<sub>162</sub>, X<sub>163</sub>, X<sub>164</sub>, X<sub>165</sub>, X<sub>166</sub>, X<sub>167</sub>, X<sub>168</sub>, X<sub>169</sub>, X<sub>170</sub>, X<sub>171</sub>, X<sub>172</sub>, X<sub>173</sub>, X<sub>174</sub>, X<sub>175</sub>, X<sub>176</sub>, X<sub>177</sub>, X<sub>178</sub>, X<sub>179</sub>, X<sub>180</sub>, X<sub>181</sub>, X<sub>182</sub>, X<sub>183</sub>, X<sub>184</sub>, X<sub>185</sub>, X<sub>186</sub>, X<sub>187</sub>, X<sub>188</sub>, X<sub>189</sub>, X<sub>190</sub>, X<sub>191</sub>, X<sub>192</sub>, X<sub>193</sub>, X<sub>194</sub>, X<sub>195</sub>, X<sub>196</sub>, X<sub>197</sub>, X<sub>198</sub>, X<sub>199</sub>, X<sub>200</sub>, X<sub>201</sub>, X<sub>202</sub>, X<sub>203</sub>, X<sub>204</sub>, X<sub>205</sub>, X<sub>206</sub>, X<sub>207</sub>, X<sub>208</sub>, X<sub>209</sub>, X<sub>210</sub>, X<sub>211</sub>, X<sub>212</sub>, X<sub>213</sub>, X<sub>214</sub>, X<sub>215</sub>, X<sub>216</sub>, X<sub>217</sub>, X<sub>218</sub>, X<sub>219</sub>, X<sub>220</sub>, X<sub>221</sub>, X<sub>222</sub>, X<sub>223</sub>, X<sub>224</sub>, X<sub>225</sub>, X<sub>226</sub>, X<sub>227</sub>, X<sub>228</sub>, X<sub>229</sub>, X<sub>230</sub>, X<sub>231</sub>, X<sub>232</sub>, X<sub>233</sub>, X<sub>234</sub>, X<sub>235</sub>, X<sub>236</sub>, X<sub>237</sub>, X<sub>238</sub>, X<sub>239</sub>, X<sub>240</sub>, X<sub>241</sub>, X<sub>242</sub>, X<sub>243</sub>, X<sub>244</sub>, X<sub>245</sub>, X<sub>246</sub>, X<sub>247</sub>, X<sub>248</sub>, X<sub>249</sub>, X<sub>250</sub>, X<sub>251</sub>, X<sub>252</sub>, X<sub>253</sub>, X<sub>254</sub>, X<sub>255</sub>, X<sub>256</sub>, X<sub>257</sub>, X<sub>258</sub>, X<sub>259</sub>, X<sub>260</sub>, X<sub>261</sub>, X<sub>262</sub>, X<sub>263</sub>, X<sub>264</sub>, X<sub>265</sub>, X<sub>266</sub>, X<sub>267</sub>, X<sub>268</sub>, X<sub>269</sub>, X<sub>270</sub>, X<sub>271</sub>, X<sub>272</sub>, X<sub>273</sub>, X<sub>274</sub>, X<sub>275</sub>, X<sub>276</sub>, X<sub>277</sub>, X<sub>278</sub>, X<sub>279</sub>, X<sub>280</sub>, X<sub>281</sub>, X<sub>282</sub>, X<sub>283</sub>, X<sub>284</sub>, X<sub>285</sub>, X<sub>286</sub>, X<sub>287</sub>, X<sub>288</sub>, X<sub>289</sub>, X<sub>290</sub>, X<sub>291</sub>, X<sub>292</sub>, X<sub>293</sub>, X<sub>294</sub>, X<sub>295</sub>, X<sub>296</sub>, X<sub>297</sub>, X<sub>298</sub>, X<sub>299</sub>, X<sub>300</sub>, X<sub>301</sub>, X<sub>302</sub>, X<sub>303</sub>, X<sub>304</sub>, X<sub>305</sub>, X<sub>306</sub>, X<sub>307</sub>, X<sub>308</sub>, X<sub>309</sub>, X<sub>310</sub>, X<sub>311</sub>, X<sub>312</sub>, X<sub>313</sub>, X<sub>314</sub>, X<sub>315</sub>, X<sub>316</sub>, X<sub>317</sub>, X<sub>318</sub>, X<sub>319</sub>, X<sub>320</sub>, X<sub>321</sub>, X<sub>322</sub>, X<sub>323</sub>, X<sub>324</sub>, X<sub>325</sub>, X<sub>326</sub>, X<sub>327</sub>, X<sub>328</sub>, X<sub>329</sub>, X<sub>330</sub>, X<sub>331</sub>, X<sub>332</sub>, X<sub>333</sub>, X<sub>334</sub>, X<sub>335</sub>, X<sub>336</sub>, X<sub>337</sub>, X<sub>338</sub>, X<sub>339</sub>, X<sub>340</sub>, X<sub>341</sub>, X<sub>342</sub>, X<sub>343</sub>, X<sub>344</sub>, X<sub>345</sub>, X<sub>346</sub>, X<sub>347</sub>, X<sub>348</sub>, X<sub>349</sub>, X<sub>350</sub>, X<sub>351</sub>, X<sub>352</sub>, X<sub>353</sub>, X<sub>354</sub>, X<sub>355</sub>, X<sub>356</sub>, X<sub>357</sub>, X<sub>358</sub>, X<sub>359</sub>, X<sub>360</sub>, X<sub>361</sub>, X<sub>362</sub>, X<sub>363</sub>, X<sub>364</sub>, X<sub>365</sub>, X<sub>366</sub>, X<sub>367</sub>, X<sub>368</sub>, X<sub>369</sub>, X<sub>370</sub>, X<sub>371</sub>, X<sub>372</sub>, X<sub>373</sub>, X<sub>374</sub>, X<sub>375</sub>, X<sub>376</sub>, X<sub>377</sub>, X<sub>378</sub>, X<sub>379</sub>, X<sub>380</sub>, X<sub>381</sub>, X<sub>382</sub>, X<sub>383</sub>, X<sub>384</sub>, X<sub>385</sub>, X<sub>386</sub>, X<sub>387</sub>, X<sub>388</sub>, X<sub>389</sub>, X<sub>390</sub>, X<sub>391</sub>, X<sub>392</sub>, X<sub>393</sub>, X<sub>394</sub>, X<sub>395</sub>, X<sub>396</sub>, X<sub>397</sub>, X<sub>398</sub>, X<sub>399</sub>, X<sub>400</sub>, X<sub>401</sub>, X<sub>402</sub>, X<sub>403</sub>, X<sub>404</sub>, X<sub>405</sub>, X<sub>406</sub>, X<sub>407</sub>, X<sub>408</sub>, X<sub>409</sub>, X<sub>410</sub>, X<sub>411</sub>, X<sub>412</sub>, X<sub>413</sub>, X<sub>414</sub>, X<sub>415</sub>, X<sub>416</sub>, X<sub>417</sub>, X<sub>418</sub>, X<sub>419</sub>, X<sub>4</sub>

## IRON AND STEEL AND THEIR PRODUCTS

THE RAILWAY ROLLING STOCK INDUSTRY IN CANADA, 1931.

Production from the railway rolling stock industry in Canada during 1931 was valued at \$67,865,070, according to the Dominion Bureau of Statistics at Ottawa. Corresponding totals for other years were \$104,922,701 in 1930, \$126,487,037 in 1929, and \$73,422,057 in 1928. This industry includes only the factories which were engaged CHIEFLY in making or repairing railway rolling stocks or in making parts such as wheels, brakebeams, etc. (see directory, table 10).

In 1931 there were 38 firms operating in this group, of which 16 were located in Ontario, 10 in Quebec, 4 in Manitoba, 3 in Nova Scotia, 3 in Alberta, and 1 in each of New Brunswick and Prince Edward Island. These plants employed a working capital of \$37,484,985, used materials for manufacturing and repairs worth \$35,335,573, afforded work to a monthly average of 21,773 people, and paid out \$28,111,765 in salaries and wages.

Products made during the year included 5,176 new freight cars valued at \$15,186,898, 112 new passenger cars at \$4,596,075, car wheels at \$2,457,989, 26 new locomotives at \$1,897,433, and springs, steel car ends, brakes, brakebeams, brakeshoes, gasoline electric passenger cars, railway track motor cars, mining cars, tires, etc. The actual cost value of repair work done in these shops on railway cars and locomotives amounted to \$26,322,287.

During 1931 only 4 plants in Canada produced locomotives, 2 made steam railway passenger cars, 6 made steam railway freight cars, 11 made car wheels, 2 made mining or narrow gauge cars, 1 made railway track motor cars, and 1 made gasoline electric passenger cars for steam railways.

Table 1. - PRINCIPAL STATISTICS OF THE RAILWAY ROLLING STOCK INDUSTRY IN CANADA, 1927-1931

Years	No. of plants	Capital employed	Average number of em- ployees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manu- facturing
		\$		\$	\$	\$	\$
1927 .....	35	81,519,950	21,436	30,269,896	38,518,449	74,466,912	35,948,463
1928 .....	35	89,053,842	22,417	32,452,781	38,110,053	73,422,057	35,312,004
1929 .....	35	94,415,563	25,488	38,311,179	74,156,037	126,487,037	52,331,000
1930 .....	37	95,785,640	25,952	37,625,050	60,289,445	104,922,701	44,633,256
1931 .....							
P.E.I., Nova Scotia and New Brunswick....	5	10,447,146	1,734	2,276,461	3,831,362	6,801,593	2,969,131
Quebec.....	10	40,774,954	9,543	12,119,754	16,282,258	29,874,473	13,592,215
Ontario.....	16	25,039,650	3,432	4,746,612	7,161,394	13,550,669	6,389,275
Manitoba.....	4	14,379,405	5,345	6,819,632	6,389,126	13,729,251	7,540,125
Alberta.....	3	6,842,830	1,719	2,149,506	1,671,133	3,909,084	2,237,951
CANADA....	38	97,484,385	21,773	28,111,765	35,335,575	67,865,070	32,523,497

Table 2 CAPITAL EMPLOYED, BY CLASSES, 1930 and 1931.

Provinces	Value of lands, buildings, machinery, tools and other equipment	Inventory value of materials, finished products and other supplies and stocks on hand	Operating capital (cash, bills and accounts receivable, pre paid expenses, etc.)	T O T A L
	\$	\$	\$	\$
<u>1930</u>				
P.E.I., N.S., and N.B.	6,630,658	2,098,568	2,076,972	10,806,198
Quebec .....	29,320,086	6,322,754	9,038,148	44,680,988
Ontario .....	19,765,121	2,505,654	3,799,351	26,070,126
Manitoba .....	7,404,235	3,039,016	275,000	10,718,251
Alberta .....	2,553,522	956,555	...	3,510,077
CANADA .....	65,673,622	14,922,547	15,189,471	95,785,640
<u>1931</u>				
P.E.I., N.S., and N.B.	7,060,982	998,236	2,337,928	10,447,146
Quebec .....	29,313,557	4,161,218	7,300,179	40,774,054
Ontario .....	19,765,888	1,629,710	3,644,052	25,039,650
Manitoba .....	11,575,170	2,504,235	300,000	14,379,405
Alberta .....	6,051,530	792,300	...	6,843,830
CANADA .....	73,767,127	10,085,699	13,632,159	97,484,985

Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1930 and 1931.

Provinces	Average number of employees				Salaries and Wages			
	Salaried		Wage-		Total	Salaries	Wages	TOTAL
	employees		earners					
	Male	Female	Male	Female		\$	\$	\$
<u>1930</u>								
P.E.I., N.S., and N.B.	106	4	1,822	5	1,937	271,772	2,332,476	2,604,248
Quebec .....	846	45	10,686	31	11,608	1,958,602	15,059,327	17,017,929
Ontario .....	415	42	4,304	...	4,761	1,048,988	6,067,877	7,116,865
Manitoba .....	265	16	5,446	...	5,727	664,640	7,545,111	8,209,751
Alberta .....	107	2	1,810	...	1,919	259,255	2,417,002	2,676,257
CANADA .....	1,739	109	24,068	36	25,952	4,203,257	33,421,793	37,625,050
<u>1931</u>								
P.E.I., N.S., and N.B.	105	4	1,622	3	1,734	256,482	2,019,979	2,276,461
Quebec .....	818	44	8,654	27	9,543	1,718,288	10,401,466	12,119,754
Ontario .....	387	34	3,007	4	3,432	949,074	3,797,538	4,746,612
Manitoba .....	265	16	5,064	..	5,345	634,543	6,185,089	6,819,632
Alberta .....	106	2	1,611	..	1,719	235,274	1,914,032	2,149,306
CANADA .....	1,681	100	19,358	34	21,773	3,793,661	24,318,014	28,111,765



Table 4 - WAGE-EARNERS, BY MONTHS, 1930 and 1931.

Months	1930			1931		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	24,553	44	24,597	22,786	38	22,824
February .....	25,641	44	25,685	23,627	43	23,670
March .....	26,373	44	26,417	24,536	43	24,639
April .....	26,686	38	26,724	24,394	40	24,434
May .....	26,801	38	26,839	22,483	32	22,515
June .....	25,686	38	25,724	20,276	35	20,311
July .....	23,644	36	23,680	19,134	35	19,169
August .....	22,668	33	22,701	18,738	34	18,772
September .....	21,894	33	21,927	18,220	27	18,247
October .....	21,401	28	21,429	11,331	22	11,353
November .....	21,437	28	21,465	15,970	22	15,992
December .....	22,013	31	22,044	17,882	29	17,911
AVERAGE .....	24,068	36	24,104	19,958	34	19,992

Table 5 - NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT, ACCORDING TO HOURS USUALLY WORKED PER WEEK, 1931. (Overtime not included)

Regular hours per week	Number of wage-earners	Regular hours per week	Number of wage-earners
40 hours or less .....	20,328	51 - 53 hours .....	71
41 - 43 hours .....	298	54 hours .....	513
44 hours .....	425	55 hours .....	643
45 - 47 hours .....	1,369	56 - 59 hours .....	99
48 hours .....	406	60 hours .....	239
49 - 50 hours .....	1,152	Over 60 hours .....	145

Table 6 - FUEL AND ELECTRICITY USED, 1930 and 1931.

Kinds	Unit of measure	1930		1931	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian ..	short tons	106,155	457,798	90,752	378,567
Imported ..	short tons	116,929	578,997	91,501	474,216
Anthracite coal .....	short tons	3,390	26,047	821	9,005
Lignite coal .....	short tons	53,284	246,168	43,134	107,583
Coke .....	short tons	2,375	23,635	1,303	12,347
Gasoline .....	Imp. gal.	42,912	10,357	42,388	9,080
Kerosene .....	Imp. gal.	8,518	1,756	18,091	4,144
Fuel oil .....	Imp. gal.	4,396,731	312,958	2,821,181	177,911
Wood .....	cords	860	4,531	453	2,398
Gas - Manufactured .....	M cu.ft.	107,573	64,884	56,787	42,777
Natural .....	M cu.ft.	1,349	539	1,336	534
Other fuel .....	"	...	1,957	...	777
Electricity purchased .....	K.W.H.	64,641,347	721,014	54,901,433	640,166
TOTAL .....		...	2,450,641	...	1,859,505

Table 7 - POWER EMPLOYED, 1930 and 1931.

Kinds	1 9 3 0		1 9 3 1	
	Number of units	Total horse- power	Number of units	Total horse- power
Steam engines and steam turbines .....	50	15,414	54	17,564
Gasoline, gas and oil engines .....	4	1,050	4	1,050
Total Primary Power .....	54	16,464	58	18,614
Electric motors run by purchased power ..	5,273	91,234	5,271	90,045
Total Power .....	5,327	107,698	5,329	108,659
Electric motors run by power generated by the establishment .....	557	6,587	557	6,607
Total Electric Motors .....	5,830	97,821	5,828	96,652
Boilers installed .....	105	29,787	134	38,172

Table 8 - MATERIALS USED, 1930 and 1931.

		1	9	3	0	1	9	3	1
Materials	Unit of	Cost at				Cost at			
	measure	Quantity	works			Quantity	works		
			\$				\$		
Iron and steel -									
Pig iron .....	long ton .	23,601	589,918			14,433	359,322		
Wrought iron bars,skelp,etc.	short ton	2,785	165,631			345	20,990		
Malleable iron bars, etc. ..	short ton	1,776	267,310			8,724	465,317		
Iron castings purchased ....	short ton	24,046	1,483,885			19,369	1,174,000		
Ingots, blooms and billets..	short ton	6,988	300,927			2,992	134,679		
Bars and rods, steel .....	short ton)					21,552	1,189,868		
Wire, steel .....	short ton)	55,415	2,912,006			1,618	84,410		
Shafting, steel .....	short ton)					227	15,207		
Plates, steel .....	short ton)					42,323	2,182,055		
Sheets, steel .....	short ton)	82,485	4,067,040			2,820	166,684		
Structural shapes, steel ...	short ton	43,618	2,358,707			12,949	711,246		
Castings, steel .....	short ton	18,376	3,449,411			10,638	1,998,683		
Alloy steel .....	short ton	88	76,794			72	50,861		
Scrap iron and steel .....	short ton	141,754	2,074,942			105,837	1,360,071		
Other iron and steel .....	-	...	1,961,110			...	316,202		
Other metals -									
Brass and bronze castings...	lb.	7,050,844	1,398,603			4,158,776	721,432		
Copper .....	lb.	335,634	42,571			290,665	27,630		
Lead .....	lb.	262,315	16,340			86,833	9,497		
Tin.....	lb.	48,472	16,051			25,741	7,874		
Babbitt metal and solder ...	lb.	405,166	64,179			262,338	42,941		
Other non-ferrous metals, including scrap .....	-	...	21,302			...	2,847		
Articles used for further manufacture -									
Iron and steel pipe, tubes and fittings .....	-	...	873,864			...	622,712		
Bolts, nuts, rivets and screws -	-	...	962,373			...	717,472		
Paints, oils and varnishes ..	-	...	655,293			...	570,349		
Centres .....	no.	6,263	274,454			3,223	129,557		
Tires .....	no.	20,075	769,655			19,871	766,187		
Parts for cars, engines,etc..	-		not specified			...	4,884,847		



Table 8 - MATERIALS USED, 1930 and 1931 (concluded)

		1930		1931	
Materials	Unit of measure	Quantity	Cost at works \$	Quantity	Cost at works \$
Other materials					
Foundry coke .....	short ton	24,556	292,451	18,096	209,397
Moulding sands .....	short ton	18,033	59,363	10,248	37,179
Foundry facings .....	lb.	1,565,136	30,234	1,283,083	20,341
Lumber .....	M cu.ft.	89,453	4,117,189	51,050	2,310,078
Firebrick and cupola blocks	- )	...	106,208	...	45,393
Fireclay .....	short ton)	...	602	602	5,057
Core oil .....	"	...	24,909	...	14,049
All other materials .....	"	...	30,856,725	...	13,961,139
TOTAL .....		...	60,289,445	...	35,335,573

Table 9 - PRODUCTS MADE, 1930 and 1931

Note: - Figures given in the following table are for the Railway Rolling Stock Industry only and do not necessarily represent the total production in Canada of the commodities listed. These articles also may have been produced by concerns which have been classified to other industrial groups. The figure (1) indicates that the data given do not represent the total for Canada.

Products	Unit of measure	1930		1931	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
Brakebeams and parts .....	lb.	5,015,994	307,215	...	159,719
Brakes, brakeshoes and parts ..	lb.	27,976,217	886,026	18,406,578	582,010
Cars, steam, railway-Passenger	no.	254	10,204,559	112	4,596,075
Freight ..	no.	8,051	23,589,132	5,176	15,186,898
Car wheels .....	no.	...	3,678,617	198,015	2,457,989
Castings, iron, not elsewhere specified (1) .....	lb.	44,247,015	1,451,199	31,364,028	1,076,692
Forgings (1) .....	lb.	10,795,035	486,006	9,478,067	441,244
Locomotives, new .....	no.	108	6,772,938	26	1,897,493
Patterns and models (1) .....	"	...	117,692	...	72,212
Parts, car and locomotive, n.e.s. (1) .....	"	...	3,301,225	...	1,846,430
Rings, piston, for locomotives	lb.	297,782	38,150	233,865	27,667
Scrap, iron and steel(1) .....	short ton	79,598	1,014,204	60,563	637,787
Repairs on freight cars .....	"	...	11,390,704	...	8,036,368
Repairs on passenger cars .....	"	...	8,059,336	...	6,583,234
Repairs on locomotives .....	"	...	14,657,091	...	11,702,685
Received for custom and repair work .....	"	...	735,397	...	960,027
All other products(x) .....	"	...	18,233,210	...	11,600,540
<b>TOTAL</b> .....		...	104,922,701	...	67,865,070

(x) Includes products of 1 or 2 firms, viz.: gasoline cars, car wheel tires, springs and steel ends, canal locks and canal operating equipment, bolsters, iron pipe, mining cars, etc.

Table 10 - DIRECTORY OF FIRMS IN THE RAILWAY ROLLING STOCK INDUSTRY IN CANADA, 1931.

Note:- This directory carries only the names of concerns which the Bureau has classified to the Railway Rolling Stock Industry for statistical purposes. It is not intended to be a complete list of the concerns which manufacture parts for railway rolling stock. The Railway Rolling Stock Industry includes only those concerns which make as their CHIEF PRODUCTS such parts as wheels, brakebeams, etc., or which make or repair railway cars and locomotives, electric cars, mining cars, etc.

<u>Names</u>	<u>Address</u>
<u>PRINCE EDWARD ISLAND -</u>	
Canadian National Railways	Charlottetown
<u>NEW BRUNSWICK -</u>	
Canadian National Railways	Moncton
<u>NOVA SCOTIA -</u>	
Canadian Car & Foundry Co. Ltd.	Amherst
Eastern Car Co. Ltd.	Trenton
Wheel & Foundry Co. Ltd.	New Glasgow
<u>QUEBEC -</u>	
Canadian Car & Foundry Co. Ltd.	Ville St. Pierre, Montreal, and Cote St. Paul, Montreal
Canadian National Railways	Pointe St. Charles, Montreal, Riviere du Loup, and St. Malo Montreal
Canadian Pacific Railway Company	Montreal East
Canadian Steel Tire & Wheel Co. Ltd.	Longue Pointe, Montreal
Montreal Locomotive Works Ltd.	
<u>ONTARIO -</u>	
Buffalo Brake Beam Company	Hamilton
Canada Iron Foundries Limited	Fort William, Hamilton, and St. Thomas
Canadian Locomotive Co. Ltd.	Kingston
Canadian National Railways	Leaside, London, Ottawa and Stratford
Dominion Brake Shoe Co. Ltd.	St. Thomas
Dominion Wheel & Foundries Ltd.	Cobourg, Hamilton, and Toronto
Fairmont Railway Motors Ltd.	Toronto
Hamant Steel Car & Engineering Works	Hamilton
National Steel Car Corp. Ltd.	Hamilton
Ottawa Car Mfg. Co. Ltd.	Ottawa.
<u>MANITOBA -</u>	
Canadian National Railways	Transcona and Winnipeg
Canadian Pacific Railway Company	Winnipeg
Dominion Wheel & Foundries Ltd.	St. Boniface
<u>ALBERTA -</u>	
Canadian National Railways	Edmonton
Canadian Pacific Railway Company	Calgary

STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010684932