tion of the arched ribs under the action of a moving load intensifies the action of the elasticity of the track.

We submitted Mr. Eayrs' remarks to the Manager of the C.P.R. western lines, W. the article refers to the creeping track on the Barclay muskeg, at bridge 223, about 217 miles east of Winnipeg. When the track at this state is the state is used this point was laid with 56 lbs. steel, it used to move under every train, rendering it neccessary for the Co. to keep a watchman on duty there day & night with short pieces of rails there day & night with short pieces of rails to meet the expansion & contraction. I myself, in 1887, saw the track creep while a train the same track creep while a than was passing over it, 2 ft. 4 ins. To stop this creeping, the length of the ties was increased from 8 ft. to 12 ft., & a slot cut in the base of the rail over each tie, the slots being staggered, that is the slot in the rail over one tie would be on the inside of the rail & over the next tie on the outside of the rail, & two slots were not cut in the rail over one tie, to prevent weakening the rail too much. When the track was laid with 72 lbs. steel, 44 in. angle bars were used, & the steel laid with even or square joints, so that the ties Would not slew with the creeping. Were not notched as above set forth, but The rails angle bars used on the centre of every second rail, which were spiked to the ties. This is the practice we have been following on muskegs where track creeps. This has had to be done at Oxdrift & Telford with our 73 lbs. steel & 26 in. angle bars, which have spike holes punched through them, & which give far better service than the 44 in. angle bar with the slotted holes, as the shoulder was continually wearing off on the latter, render-ing the bar useless for holding the rails, & by slinning slipping past the spikes, destroyed the gauge of the track. By this means we have been able to the track but the joint ties able to stop creeping track, but the joint ties still churn on the muskeg. By laying the rails with even or square joints we have prevented the joint ties from slewing, & kept the

track in gauge. 'In addition to my own personal observa-tions, as mentioned above, measurements have been taken of the distance the track crent under a moving train, & these show crept under a moving train, & these show that a movement occurred in the track of from 2 to 37 ins., depending on the tempera-of bottom. Where the grade descends to these multiple in the direction the these muskegs, & is in the direction the heavy traffic is moving, the creeping was always greater.

Recent Ontario Legislation.

Among the Acts passed at the recent session of the Ontario Legislature were the following :-

- To confirm an agreement between the com-missioners for the Queen Victoria Niagara Falls Park & the Fort Erie Ferry Ry. Co., & relating to the said Co.
 - Respecting certain railways.

- Respecting aid to certain railways.
- Respecting aid to certain ranna, see Respecting aid by land grant to the Algoma Central Ry. Co. To amend the street railway act.
- Respecting mortgages by electric railway companies or street railway companies. Respecting the Town of Port Arthur,
- Respecting an agreement between the City of Stratford & the G.T. Ry. Co.
- To incorporate the Bracebridge & Trading Lake Ry. Co.
- To incorporate the Camp Bay & Crow Lake

 T_0 amend an act respecting the Fort Erie Ferry Ry. Co.

- R^{especting} the Hamilton Radial Electric Ry. Co.
- T_0 incorporate the Huntsville & Lake of a_{v_0} b Bays Ry. Co.

To revive, extend & amend an act to incorporate the Ingersoll Radial Electric Ry. Co. Respecting the Manitoulin & North Shore Ry. Co.

Respecting the Metropolitan Ry. Co.

To incorporate the Nickel Belt Ry. Co.

Respecting the Ontario, Belmont & Northern Ry. Co. To incorporate the Ottawa & Dundas Ry,

Co. Respecting the Pacific & Atlantic Ry. Co.

To incorporate the Queenston, St. Catharines & Port Dalhousie Electric Ry. Co.

Respecting the Sudbury & Nipissing Ry.

Co. To incorporate the Superior & James Bay

Ry. Co. Respecting the Toronto Suburban St. Ry.

To incorporate the Victoria Mines Ry. Co. To incorporate the Wabigoon, Manitou & Rainy Lake Ry. Co.

Respecting the Algoma Commercial Co.

C P.R. Financial Statements.

The balance sheet appended to the recent annual report contained an item of 1,272,-477.44 as an asset under the head of "miscellaneous securities & advances." Following are the details :-Chateau Frontenac (Quebec hotel) stock C.S.

Chateau Frontenac (Quebec notel), stock,	\$200,000 00
Canada Northwest Land Co., stock (cost).	
(Taken by this Co. in 1882, as one of	•
the terms of the sale of 2,200,000 acres	
of land to the C.N.W.L. Co.)	518,087 27
Niagara Bridge & Real Estate. (Acquired	510,007 27
Magara Driuge & Real Estate. (Acquired	
in 1890, with view to extension of line	
from Woodstock & Hamilton to Nia-	
gara Falls)	96,823 57
Dominion Express Co., stock. (This Co.'s	
Express, the stock of which is all held	
in the treasury. Amount paid up re-	
presents cost of original equipment &	
organization.)	
Insurance Promiums annaid (On and	113,750 00
Insurance Premiums prepaid. (On con-	
tract to secure advantageous terms)	193,566 60
South Ontario Pacific Ry. Stock, (This	
Co.'s organization for line, Wood-	
stock, Hamilton & Niagara Falls)	20,000 00
Nakusp & Slocan Ry. Stock	35,000 00
Miscellaneous Securities and Advances	15,250 00
and mutances	-3,230 00
	\$ 1 000 AND 44
	\$ 1,272,477 44

- NOTE. Amount advanced Minn, St. Paul & Sault
- Ste. Marie Ry for interest under guar \$963,846 89 325,000 00 antee. antee..... Less amount repaid.....

\$ 638,846 89

LAND SALES IN 1898 & 1899.

Amount Average

Acres. realized. per acre. C.P.R. Land Grant, 1890...365,280 \$1,016,081 \$3 11 1898 .242,135 757.793 3 13 Manitoba S.W.R.Grant 1899...90,536 311,586 3 44 1898...1899...416,860 1,337,657 3 19 1898...348,668 1,121,774 3 22

POSITION OF LAND GRANTS AT DEC. 31, 1899.

63
-3

Quantity unsold..... Columbia & Kootenay-984, 194 Total grant..... Sales to Dec. 31, 1899..... 190,000

183,792

Total land owned by the Co..... 16,758,049

In addition to the foregoing the Co, will receive through the B C. Southern Ry. about 3,350,000 acres. 4,228,443 acres sold, amounting to.....\$13,697,269 88 6,793.014 acres taken by Dominion Government..... 10, 189, 521 00

Less-E

Add-Pro

\$22 886 700 89

ss—Expenses, cultivation rebate, and 10% on land grant bonds retired and cancelled	2,998,631 5	3
-Proceeds Col. & Koot. Ry. land	\$20,888,159 3	6

les. sales.... Proceeds M.S.W.C. Ry. land sales... 1,895 45 70,195 93

\$20,960,250 74

Comparative statement of earnings & expenses 1890 to 1899 :---

	iĝo.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.
Passengers	\$ 4.774.713 76	\$ 4.774.713 76 \$ 5.459.789 46 \$5.556.316 40 \$5,656.200 40 \$4.840.412 33 \$4.683.137 74 \$4.820.143 30 \$5,796.115 12 \$65.58,589 58 \$7.008.006 70	\$5,556,316 40	\$5,656,204 yo	\$4,840,412 33	\$4,683,137 74	\$4,820,143 30	\$5,796,115 13	\$6,538,589 58	\$7,098,096 70
Freight.	10,106,644 02	10,106,644 03 13,665,540 26	13,330,540 19	13.330.540 19 13.673.075 38 11,445.377 78 11,877,851 95 13,187,500 31 15,257,896 94 16,231,444 93	11,445.377 78	11,877,851 95	13,187,560 31	15, 357, 896 94	16,231,444 93	18,738,884 96
Mails	336,038 61	516,098 45		496,134 49	498, 129 IG	540,116 18	607.543 gB	603,210 49	609.974 57	618,385 19
Express	a60,a68 43	a88,633 a5	303,359 34	333-975 39	342.472 20	387,605 93	460,401 go	530,749 65	615,631 43	663,960 52
Parlor & sleepings cars	a68.096 76	303.545 09	331,202 73	380,470 10	331,719 69	302.637 63	303,688 48	361.777 38	455.345 07	441,647 54
Telegraph, grain elevators & miscellancous, includ- ing profits on Pacific steamships		786,767 40 1.007,489 47 1.405,110 53 1.4424,57 18 1.394,056 46 1.1149,687 44 1.3024,58 87 1.499,785 07 1.687,991 55 1,669,053 35	1,405,110 53	1.422.457 18	1,294,056 46	1,149,687 44	1, 302,458 87	1.499.785 07	1,687,991 55	1,669,063 35
Total	\$16,552,528 98	\$16,523,538 98 \$20,41,1095 98 \$21,409,351 77 \$20,002,317 44 \$18,753,167 71 \$18,541,1036 87 \$20,681,596 84 \$24,049,534 65 \$26,138,977 13 \$29,230,038 26	\$21,409.351 77	\$20,962,317 44	\$18.752.167 71	\$18,341,036 87	\$20,681,596 84	\$24.049.534 65	\$26,138,977 13	\$29.230,038 26
Expenses.	10.352,828 47	10.353.838 47 13.331.436 11 12.989,004 21 13.320.901 39 13.328.838 63 11.460.085 88 13.574.015 10 13.745.758 76 15.663.605 51 16.999.872 77	12,989,004 21	13,220.901 39	12,328,858 63	11,460,085 88	12,574,015 10	13.745.758 76	15,663,605 51	16.999.872 77
Net earnings	\$6,299,700 51	\$6,399,700 51 \$8,000,659 Br \$8,420,347 56 \$7,741,416 05 \$6,423,309 08 \$7,480,950 99 \$8,107,581 74 \$10,303,775 89 \$10,475,371 63 \$12,230,165 49	\$8,420,347 56	\$7,741,416 of	\$6,423,309 08	\$7,480,950 99	\$8,107,581 74	\$10,303.775 89	\$10.475.371 62	\$12,230,165 49
		-			-	-	-	-		

W. Whyte, Manager of the C.P.R. Western Lines, sailed from Vancouver May 7, on the R.M.S. Empress of China for Yokohama, on a pleasure trip. He is accompanied by John Burns, of Toronto.

To incorporate the Woodstock, Thames Valley & Ingersoll Electric Rv. Co.