

In 1895 the range was from 50 to 80 pounds, the St. Clair tunnel being laid with rails weighing 100 pounds per yard.

1004. The Canada Southern has $95\frac{1}{4}$ miles of double track ; the Intercolonial has $1\frac{1}{2}$ miles ; the Canadian Pacific, $13\frac{1}{3}$ miles, and the Grand Trunk, $404\frac{1}{2}$ miles.

The number of ties per mile on Canadian Railways is, as a general rule, 2,640. The Canada Southern, the Canadian Coal & Railway Co., the Montreal & Vermont Junction, and Montreal, Portland & Boston, have each 3,000. Parts of the Canadian Pacific have 3,168. The Esquimaux & Nanaimo Railway has 2,992.

1005. There were 53 grain elevators reported in 1895. The number of level crossings was 10,799, of which 151 were guarded and 218 were level crossings of railways by railways. There were 398 overhead bridges reported, with heights above rail level varying from 14 to 35 feet. The number of junctions between different railways was 316 and between main and branch lines 232.

Of the 16,091 miles of completed railway, all but 309 miles are laid on a 4 ft. $8\frac{1}{2}$ in. gauge. Of the 309 miles, 13 miles were on the 5 ft. 6 in. gauge, 210 on the 3 ft. 6 in., and the remainder on the 3 feet gauge.

Of the 40,661,880 train miles run in 1895, 15,332,276 miles were with passenger trains, 19,939,699 miles with freight trains, and 5,389,915 miles with mixed, freight and passenger trains. The engine mileage was 51,339,885 miles.

The average rate of speed of passenger trains on 47 Canadian lines giving the rate was 25 miles per hour. The Canada Southern averaged 41 miles ; the Canada Atlantic, Lake Erie & Detroit, and the Montreal & Vermont Junction, 35 miles each ; the Montreal & Sorel (South Shore), the St. Lawrence & Adirondack, the Canada Eastern, the Montreal & Atlantic, the Montreal, Portland & Boston, the Ottawa & Gatineau, the Ottawa, Arnprior & Parry Sound, the Pontiac & Pacific Junction, and the Grand Trunk, 30 miles each ; the Canadian Pacific, 28 miles ; the Manitoba & North-western, 27 miles ; the Dominion Atlantic and the Intercolonial, 25 miles.

The average rate of speed of freight trains was 17 miles an hour. Thirty-three systems made over 17 miles ; three made 17, and thirty-two made under 17 miles.

1006. The progress made in Canada since Confederation has been very great. The total miles in operation in 1867 was 2,278 miles ; in 1895, including double tracks and coal companies, it was 16,653 miles.

Compared with 1885 the total train mileage of 1895 shows an increase of 32.73 per cent. The passenger train mileage shows an increase of 61.20 per cent, freight train mileage an increase of 21.71, and mixed freight and passenger 14 per cent.