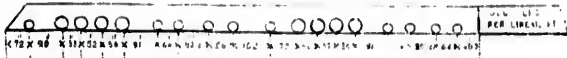


ONTARIO AND QUEBEC RAILWAY.

Spans of 80 feet and under may be either plate or lattice girders. Those over 80 feet and under 100 feet in the clear are to be lattice girders, and spans over 100 feet in the clear may be pin connected.



	Pounds per sq. inch.
On bottom chords and diagonals.....	iron 10,000
" " " "	steel 12,000
On counter rods, long verticals, and end lower chords.....	iron 8,000
" " " "	steel 10,000
On lateral bracing (with 10,000 lbs. initial strain).....	iron 18,000
" " " "	steel 18,000
On bottom flange of riveted floor beams.....	iron 8,000
" " " "	steel 10,000
On bottom flange of longitudinal plate girders (over 20 ft.).....	iron 8,000
" " " "	steel 10,000
On bottom flange of longitudinal plate girders (under 20 ft.).....	iron 7,000
" " " "	steel 9,000
On suspension loops or other members liable to sudden loading.....	iron 8,000
" " " "	steel 7,000
On solid rolled beams.....	iron 8,000
" " " "	steel 10,000

14. In rolled beams and girders compression shall be limited as follows :

	Pounds per sq. inch.
In rolled beams used as floor beams or stringers.....	iron 8,000
" " " " " " " " " " " "	steel 10,000
In rivoted plate girders used as floor beams, gross section.....	iron 7,000
" " " " " " " " " " " "	steel 9,000
In riveted longitudinal plate girders (over 20 ft.) gross section.....	iron 7,000
" " " " " " " " " " " "	steel 9,000
In riveted longitudinal plate girders (under 20 ft.) gross section....	iron 8,000
" " " " " " " " " " " "	steel 8,000
In riveted lattice girders gross section.....	iron 7,000
" " " " " " " " " " " "	steel 9,000

7