

material as could have been adopted, but they decay rapidly, become offensive and unsanitary. The surface quickly roughens, so that the life of this pavement in which good service is rendered is such that a renewal is necessary in from five to seven years. If retained longer than this they become a source of annoyance and a discredit to the City. The quality of cedar obtainable is becoming less sound and more expensive, so that it is not likely that these pavements will be as satisfactory in the future as in the past.

GRAVEL PAVEMENTS.

The cost of pavements varies with many circumstances, so that a fixed scale of prices cannot be laid down, but the condition being much similar, the prices prevailing in Toronto should be a fair estimate of the cost in Winnipeg. Heavy asphalt, in Toronto, with 6-inch concrete base and a ten years' guarantee, costs \$2.80 per square yard. The repairs for the succeeding five years, the asphalt cost 30c. per square yard. At the end of fifteen years the asphalt surface can be renewed in the old concrete base for \$1.70 per square yard. Light asphalt, with five years' guarantee, will average \$2.30 per square yard. To maintain this for the succeeding ten years will cost 40c. per square yard, at the end of which term it may be renewed on the old concrete base for \$1.50 per square yard. Vitrified brick, on 4 inches of concrete, costs \$1.80 per square yard. During a term of fifteen years it will cost about 30c. per square yard for repairs. At the end of fifteen years it will require re-bricking at about \$1.20 a square yard. Broken stone (macadam) roadways cost in Toronto about 90c. per square yard, but in Winnipeg, owing to the accessibility of the stone, the cost should not exceed 80c. per square yard. The gravel roadways, as recommended, would cost about 60 cents a square yard. In fifteen years, with proper care, macadam roadways should be as good as new with an outlay during that term equal to the original cost.

Tar macadam, costing from 80c. to \$1.00 a square yard, will probably come under the same rule. Granite setts and scoria block on concrete cost about \$4.00 a square yard, should require no repairs in fifteen years, and at the end of that time be in good condition.