

brought by rail from the vicinity of Rat Portage, and used as a light surface coating. This is not a first-class road material. It is not worth what it cost the City. If material is to be brought by train for a long distance, granite and trap rock, which can be secured in large quantities in Northern Ontario, would prove a more profitable investment.

Artificial stone walks are being laid. This material should take the place of plank as rapidly as they are being renewed. In laying these walks, porous tile, about 4 inches in diameter, should be laid in the foundation to prevent the frost from distorting the walk, and in time leaving an uneven surface. The omission of these tiles and a lack of a stable foundation is now noticeable on some of the walks already laid, and the injury will increase. The laying of these drains is not an expensive work, being about 4 cents per lineal foot, and is a very valuable security to the efficiency of the work.

Classifying the streets and determining the pavement for each is a matter of very great importance. A well laid gravel roadway costing 50 cents per square yard may be just as serviceable and as efficient on an outlying street as an asphalt pavement costing \$3.00 a yard would be in the central part of the City. But these again, if interchanged, would be entirely out of keeping with the traffic and surroundings. A classification, wisely made, would tend to secure suitable pavements throughout the City, and would influence the ratepayers in petitioning for such improvements. If, however, they should desire and are willing to pay for a more costly pavement, it could be granted.

In classifying streets and determining the pavement for each, many things must be taken into consideration in order to make them harmonize with the locality, requirements of traffic, assessed value of the property, etc. This matter requires careful consideration.

QUALITIES OF PAVEMENTS.

The desirable qualities of a pavement are :—

1. That it afford a pleasant and secure footing for horses.
2. That it be smooth, so as to render travelling and traction agreeable, easy and noiseless.
3. That it present a good appearance.