

RIGHT OF WAY OR EASEMENT.

It may be well to mention that the best route for the intercepting sewer of the northern portion of the town, is to follow the fence of the railway from the crossing at River street to the crossing on Aylmer. This will place the greater part of the sewer on private lands, over which a right of way, or easement, will have to be acquired, which ought not to be a costly matter. It is very important that the easement be acquired before the construction of the sewer is commenced.

BETHUNE STREET SEWER.

The presence of the railway tracks on Bethune street will cause some trouble when house connections have to be made. Your attention is directed to this, as possibly it may be necessary to lay a sewer on each side of the railway.

I believe this street can be accommodated by sewers laid at the backs of the lots, in the manner to be described.

SEWERS IN REAR OF LOTS.

I desire now to bring under your notice a very important subject, to which I have given a great deal of thought and attention in connection with sewerage works. It is a general practice, to lay all sewers in the centre of the street and connect house drains to them; this leads to the almost universal practice of carrying the house drain (or drains) under the house.

The practice has hitherto been to make these drains of glazed earthenware pipe, and it has been found very difficult to make perfectly air-tight joints in them; as sanitary science has advanced the use of glazed pipe has been abandoned, and heavy cast-iron pipe introduced, and it is now the general custom to use this material inside the walls of all dwellings.

Plumbing by-laws, everywhere in use, call for a trap to be placed on the house connection between the sewer and the house, with a fresh air inlet placed upon it, a further regulation demanding that the soil pipe be carried up above the roof of the building. One result of this is the appearance of rows of unsightly iron pipes in front of all buildings, from which a certain quantity of foul air from the house drain is emitted. It is not possible to determine how far this air may be the cause of zymotic disease. Another result of having the sewer in the centre of the street is the constant destruction of the street