

flow is thus established to make the sewer self-cleansing. The introduction of rain water acts in a similar manner and with even better results, as the flushing effect is more wide-spread, causing the sewers to get a better flush than can be obtained by artificial means. The rain water also helps materially in flushing the higher or "dead" ends of sewers when flush tanks are not in use.

SYSTEM DESIGNED TO BE CONSTRUCTED IN SECTIONS AND ECONOMICALLY.

In the scheme for the sewerage of your town now presented to you, care has been taken to design it so that from time to time any portion can be constructed, and joined on to the main sewer, thereby ensuring an efficient outfall, and preserving the benefits derived from working to an already carefully thought out and elaborated general design.

The problem of economical construction has been kept in view throughout.

SUBDIVISION OF TOWN INTO DRAINAGE AREAS.

The general arrangement of the design is to divide the city into drainage districts, intercepting each by a special intercepting sewer, which will connect with the main on Aylmer street.

The first district lies to the north of Smith street and east of the railway; the most favorable location for the intercepting sewer will be along the east fence of the Railway from the crossing on River street to Dublin street.

The second lies to the west of Aylmer as far as Park street, and embraces the area north of McDonnell street, on which the intercepting sewer will be built.

The third lies to the east of Aylmer and south of Smith, this is perhaps the most important as it contains the present business part of the town. There are two sewers in this area, Water street joins George street at King street and then George street falls into the main outfall at Lake street, near the corner of Lock street.

The fourth lies to the west of Aylmer and includes from Smith to Lake street, as far west as Park street. Each street parallel to Aylmer has its own sewer, discharging directly into the Townsend street intercepting sewer.

The fifth embraces the district between Park street and Monaghan Road, as far south as the Edison Co's. Works and will also be collected on Townsend street. The southern portions will be