

[Report of the Medical Officer of Health for Twickenham].

Contributors

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TWICKENHAM URBAN DISTRICT COUNCIL.

Annual Report of the Medical Officer of Health, 1900.

MR. CHAIRMAN AND GENTLEMEN,

I have the honour to submit to you my Seventeenth Annual Report as to the Health and Sanitary condition of the Parish of Twickenham. The Report will embrace the vital statistics of the year, which terminated on December the 31st last, and a summary of the measures taken for the prevention of the development and dissemination of disease.

Appended to the report are four tables received from the Local Government Board *viz*: Table I comprises the Population and the Birth and Death rate calculated per 1,000 of estimated population for the past 10 years. Table II comprises the Births and Deaths registered, and Deaths under 1 year of age. Table III comprises cases of Infectious disease, notified during the past year. Table IV comprises the causes of deaths, and ages at death for the same period. In addition to the above are four tables furnished by the Middlesex County Council *viz*:—Table C (I, II, III, IV.)

For the convenience and information of the Council, I have embodied all the particulars contained in the above tables in the text of this report.

BIRTHS.

The vital statistics are computed on an estimated population of 21,000. The Births during 1900 were 531, of which 260 were Males, and 271 were Females, giving a Birth rate of 25·3 per 1,000.

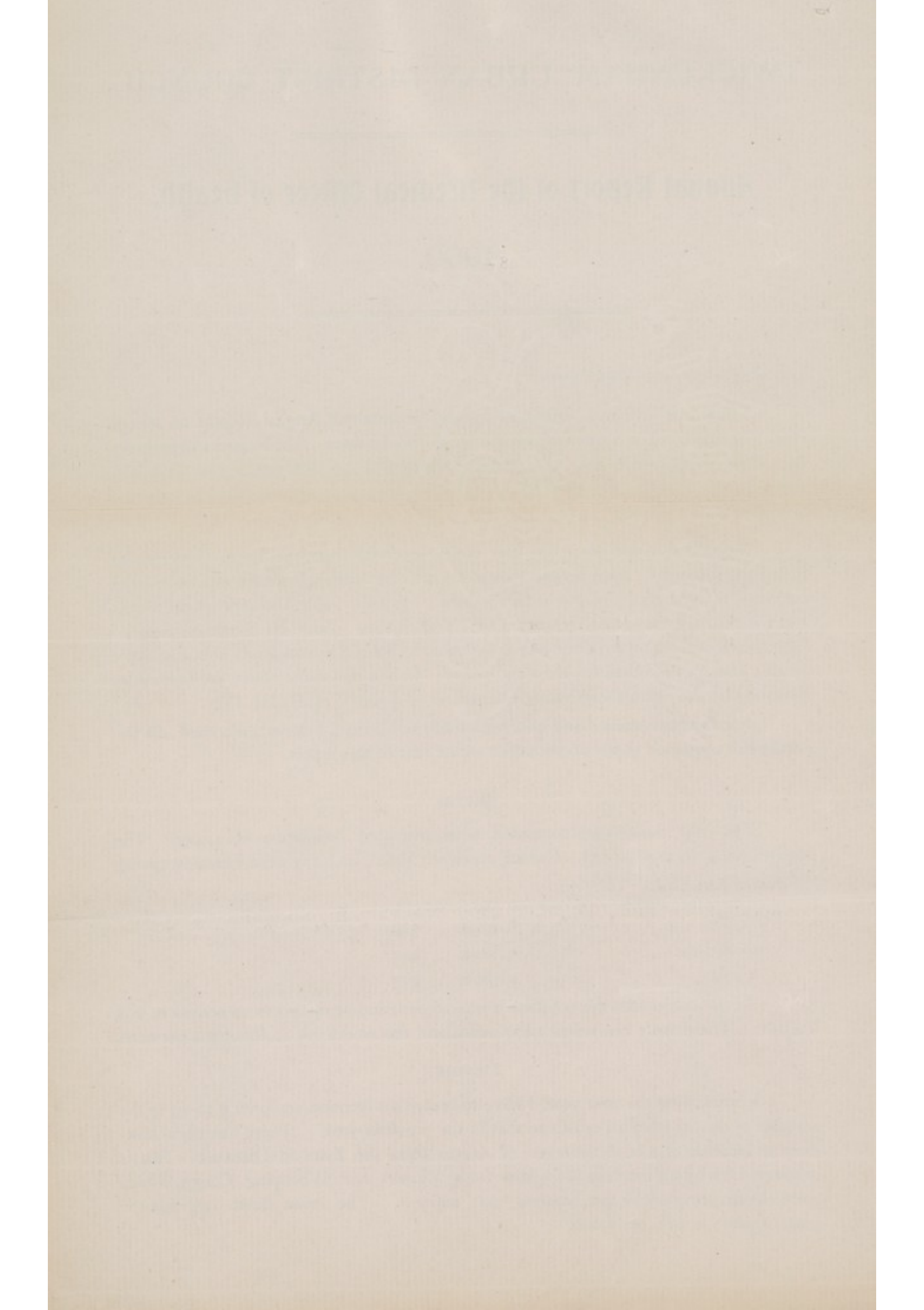
The total number of Births for 1899 was 521.

..	..	1898	..	466.
..	..	1897	..	495.
..	..	1896	..	455.

At the last census the population was 16,026, and at the previous census it was 12,500. The district comprises 2,477 acres, and this works out at about 8·4 per acre.

DEATHS.

In reviewing the past year, I have to record an increase amounting to 19 in the number of deaths from all causes to that of the previous year. There has been however an increase of 8 in the number of deaths from the Zymotic Diseases. This is accounted for by an increase in deaths from Measles and Whooping Cough, which were chiefly prevalent in the summer and autumn. The mean death rate for the past 10 years is 13·6 per 1,000.



The number of deaths recorded was 295, this equals 14·0 per 1,000.

In the first quarter there were 87 deaths.

„ second	„	65	„
„ third	„	66	„
„ fourth	„	77	„

The number of deaths in 1899 was 276. Average rate 13·8 per 1,000.

„	„	1898	„	266.	„	„	14·0	„
„	„	1897	„	256.	„	„	13·8	„
„	„	1896	„	203.	„	„	11·27	„

An epitome of the ages at death is as follows:—

Under 1 year	...	...	82
Over 1 year and under 5 years	...	...	19
Over 5 years and under 15 years	...	...	11
Over 15 years and under 25 years	...	...	16
Over 25 years and under 65 years	...	...	91
Over 65 years	...	...	76

Amongst the deaths from all causes were 16 from Epidemic Influenza, 13 from Diarrhæa, 15 from Phthisis, 13 from Cancer, 36 from Bronchitis and Pneumonia, 19 from heart Disease, 11 from Accidents, and 13 Premature Births.

Fifteen of the deaths occurred in St. John's Hospital, 17 in the hamlet of Whitton, including 1 at Kneller Hall, and 1 at Highshot House.

Subjoined is a Table of the mortality from the six principal diseases of the Zymotic class occurring in the last ten years:—

	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891
Small Pox... ..	0	0	0	0	0	0	0	0	0	0
Measles	8	0	15	0	1	3	11	0	3	2
Scarlet Fever ...	0	2	1	0	0	0	0	4	2	1
Diphtheria	3	6	2	4	4	2	14	0	9	7
Whooping Cough...	7	3	9	8	6	0	4	10	1	7
Enteric Fever ...	1	0	0	2	1	0	1	3	0	1
	19	11	27	14	12	5	30	17	15	18

A few remarks are necessary with reference to:—

MEASLES.

There was an outbreak of Measles, particularly in the East and West portions of the District, and I considered it advisable to close two of the Public Elementary Schools. There were 7 deaths of children under 5 years of age, and 1 above that age.

The first part of the paper discusses the
 importance of the study and the
 objectives of the research. It also
 describes the methodology used in the
 study and the results obtained.

The second part of the paper discusses
 the results of the study and the
 conclusions drawn from the data. It
 also discusses the implications of the
 study and the need for further research.

The third part of the paper discusses
 the limitations of the study and the
 need for further research. It also
 discusses the implications of the study
 and the need for further research.

The fourth part of the paper discusses
 the conclusions drawn from the data
 and the implications of the study. It
 also discusses the need for further
 research and the implications of the
 study.

DIPHThERIA.

Of the 27 cases recorded, 3 only ended fatally. Every house in which a case occurred was carefully inspected and wherever any insanitary condition existed remedial measures were taken. Several specimens taken from the throats of the patient were submitted to the Clinical Research Association for analysis. In many instances the cases proved not to be Diphtheria, the specific organism not being present. Adverting to my last annual report and in accordance with my recommendation contained therein, the Council have supplied through myself, Anti-diphtheritic serum to the Medical Practitioners in the District free of expense to all patients not in a position to pay. This has been a preventative, and a means of diminishing the death-rate from this disease.

DIARRHŒA

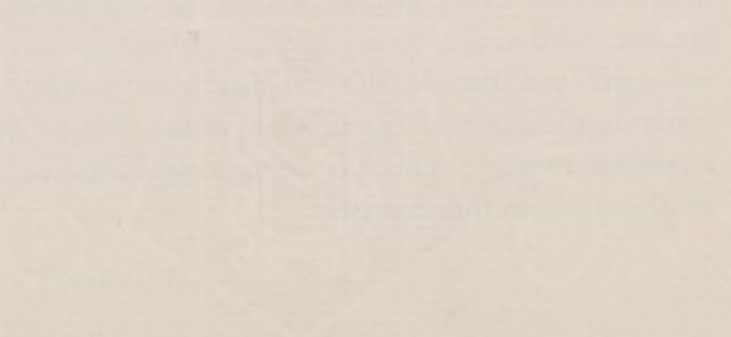
This was the cause of 14 deaths all of which occurred in children under 5 years of age. Particular attention was given to the cleansing and disinfection of the streets and gullies, and also to the regular removal of house refuse.

INQUESTS.

There was an unusually large number of Inquests held during the year:—*viz.*
37. The findings of the Juries were as follows:—

- 1 Suicidal by taking laudanum.
- 2 Convulsions.
- 1 Drowned, (query by accident or purposely), child, 4 to 6 months of age.
- 1 Concussion from accidental fall.
- 1 Suicidal by taking carbolic acid whilst of unsound mind.
- 1 Rupture of aneurism of aorta.
- 1 Rupture of blood vessel on brain.
- 1 Accidentally fell down stairs.
- 1 Syncope from fatty degeneration of heart.
- 1 Obstructed respirations probably due from convulsions.
- 1 Fatty degeneration of internal organs.
- 1 Strangulation of the gut.
- 2 Apoplexy.
- 1 Asphyxia.
- 1 Congestion of the lungs.
- 1 Accidentally suffocated in bed.
- 1 Syncope from heart failure.
- 2 Accidentally killed by a horse.
- 1 Fracture of leg.
- 1 Rupture of heart.
- 1 Asphyxia from overlaying.
- 2 Suffocated accidentally.
- 1 Wilful murder against some person or persons unknown.
- 1 Syncope from fatty heart.
- 1 Accidentally run over by a cart.

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- 1 Endocarditis.
- 2 Syncope following pneumonia.
- 1 Concussion of brain accidentally knocked over by a train.
- 1 Rupture of bowels accidental fall.
- 2 Accidentally drowned by upsetting of a boat.
- 1 Accidentally knocked over by a trap.

INFECTIOUS DISEASES (NOTIFICATION) ACT.

Of the diseases in this Act 153 cases have been notified.

Hereunder is a Table of the scheduled notifiable diseases, with the number of cases occurring in each year since the adoption of the Act in 1890.

	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891
Small Pox	0	0	0	0	0	0	1	1	0	0
Scarlet Fever	97	142	31	34	44	28	43	187	59	38
Diphtheria & Membranous Croup	27	29	19	20	22	21	45	28	31	25
Typhus Fever	0	0	0	0	0	0	0	0	0	0
Enteric or Typhoid Fever	6	9	6	11	12	12	9	13	7	8
Continued Fever	7	1	1	0	2	0	0	0	0	4
Relapsing Fever	0	0	0	0	0	0	0	0	0	0
Puerperal Fever	4	2	0	4	4	2	3	3	4	3
Cholera	0	0	0	1	0	0	1	1	2	0
Erysipelas... ..	12	11	8	7	25	15	17	30	20	16
	153	194	65	77	109	78	119	263	123	94

With reference to the 97 cases of Scarlet Fever 30 occurred in the Public Institutions.

COTTAGE HOSPITAL.

During the year, 57 patients suffering from Scarlet Fever were admitted into the Cottage Hospital, all of whom were discharged cured. I regret to have to record the death of Mrs. Rogers, who acted as matron for many years. At such convenient time, not only the apartments of the nurses, but the whole hospital internally was re-decorated. Nurse Quick, who was appointed to the vacancy, has fulfilled her duties to the satisfaction of the Health Committee of the Council, and to all the Medical Practitioners attending on their respective patients.

It should be acknowledged that several gifts of books, toys, etc., have been sent to the hospital by residents of the District, for the benefit of the patients.

WATER ANALYSIS.

Analyses of 12 specimens of water drawn from wells, were made and found to be good and fit for drinking purposes. Two wells supplying 8 cottages were closed owing to insufficient supply of water. The Company's water was laid on to these

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premises. The supply of water to the Superintendent's house at the Hounslow Cemetery, within this district, although not free from suspicion, was not of such a character as to justify the condemnation of the well. The Burial Board was communicated with, suggesting that another supply should be provided. In the meantime a filter has been supplied, and the matter is still under my observation. On several occasions I have analyzed samples, drawn from various places, supplied by the Grand Junction Water Works Company, and the same continues to be of exceptional purity.

BATHING.

It is very gratifying to report that owing to the accommodation afforded for bathing at the Mereway being so severely taxed, the Council took steps to improve and materially increase the facilities. The usual swimming competition held towards the close of the season was a marked success.

SMOKE.

I directed my attention to several chimneys (not being chimneys of private dwelling houses), sending forth black smoke in such quantities as to be a nuisance. These were connected with Breweries, Laundries, and Greenhouses. In some cases the nuisance arose by reason of the quality of fuel used, in others structural alterations had to be adopted.

Schools	...	...	15.	Workshops and work places	25.
Laundries	...	...	15.	Bakehouses	...
Slaughter Houses	...	...	12.	Cowsheds	...
Dairies and Milk Shops	...	...	20.		9.

The whole of the foregoing have been frequently inspected and the necessary works of whitewashing and cleansing were carried out, and in addition, in the case of the Schools, which were closed in consequence of the outbreak of Measles before mentioned, were also disinfected.

MORTUARY.

There were 25 bodies received into this building during the year. There is accommodation for four bodies at one time.

PETROLEUM ACTS.

The stores of those persons holding licenses have been inspected from time to time and found satisfactory; the four applications for the renewal of licenses, were acceded to for a further period of one year.

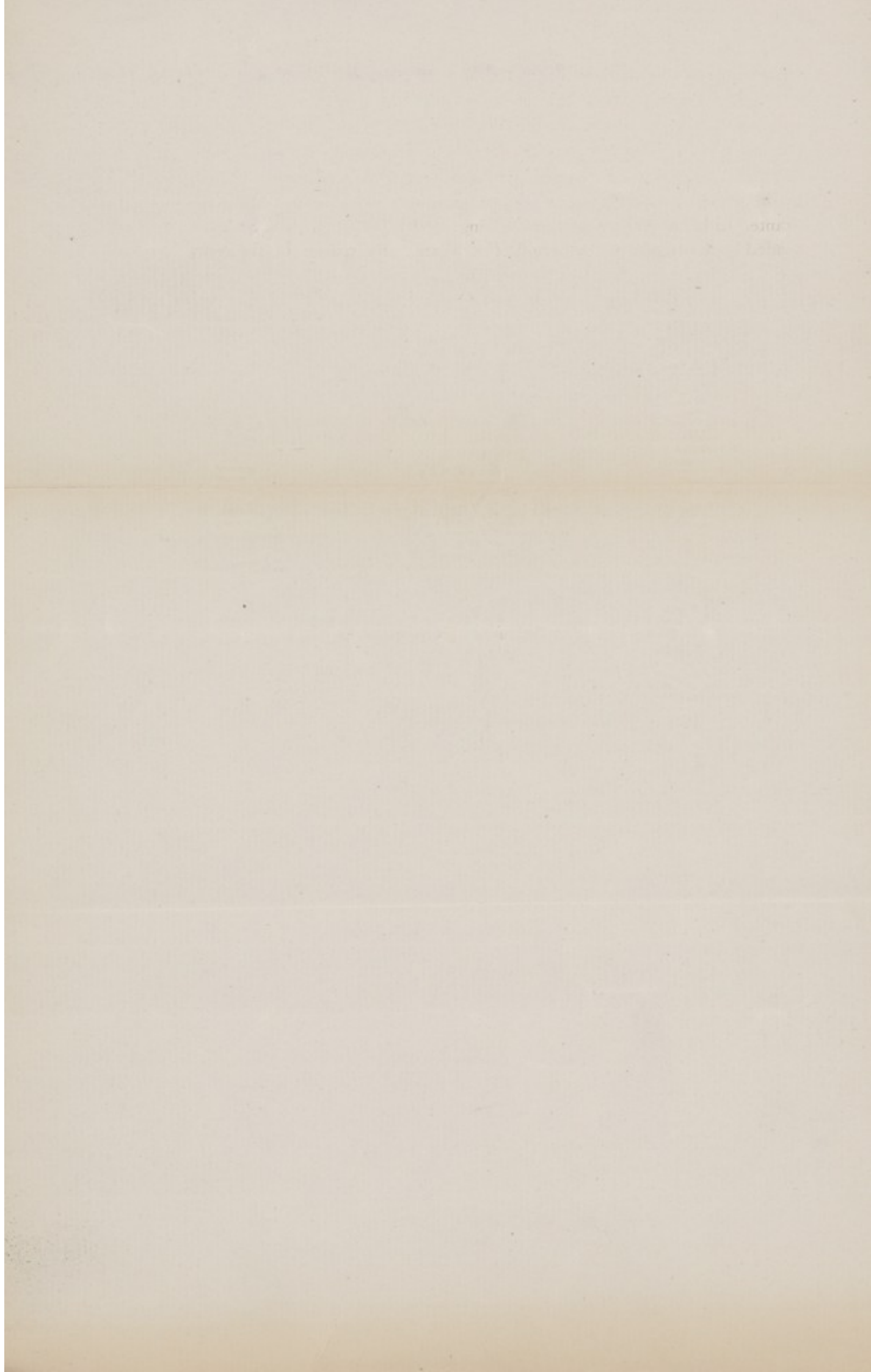
CONTAGIOUS DISEASES (ANIMALS) ACT.

Two notifications of Swine Fever were received as occurring on two farms, 40 pigs were killed and 4 died. The styes were subsequently cleansed and lime-washed.

There were two cases of suspected glanders in horses, one horse was killed.

HOUSING OF THE WORKING CLASSES ACT.

The Council had under consideration the question of erecting 36 houses at a rental of 7/6 per week and 13 houses at 8/6 per week respectively, being a part of a



scheme, upon a piece of land situate in a growing portion of the district. Tenders were invited for the erection of the houses and the construction of the necessary roads and sewers. It was found however that by reason of the high quotation given by builders for the various works and the market price of money, it was impossible to erect the cottages at the proposed rental without making a loss. Representations were made to the Local Government Board suggesting that the period of repayment actually granted to Local Authorities for buildings under Part 3 of this Statute should be extended to the full statutory period of 60 years. By reason of the reply, the Council were compelled to let the matter remain in abeyance for future consideration. I may point out that a considerable number of houses have been built, the majority of which are small villa residences.

I made representations to the Council under Part 2 of this statute, as to two houses being in such a condition as were in my opinion unfit for human habitation. In each of these instances the premises were closed and remain so at present.

REMOVAL OF HOUSE REFUSE.

During the year there were comparatively few complaints received of the weekly non-removal by the Contractor of the refuse. In one or two instances, parishioners objected to the shoots which the Contractor was using, means were taken to prevent any nuisance arising.

SANITARY CONVENIENCES.

Those attached to the various licensed premises have been under close observation, and disinfectants plentifully used. In those cases where a flushing apparatus has been faulty, remedial steps have been taken.

SEWAGE DISPOSAL.

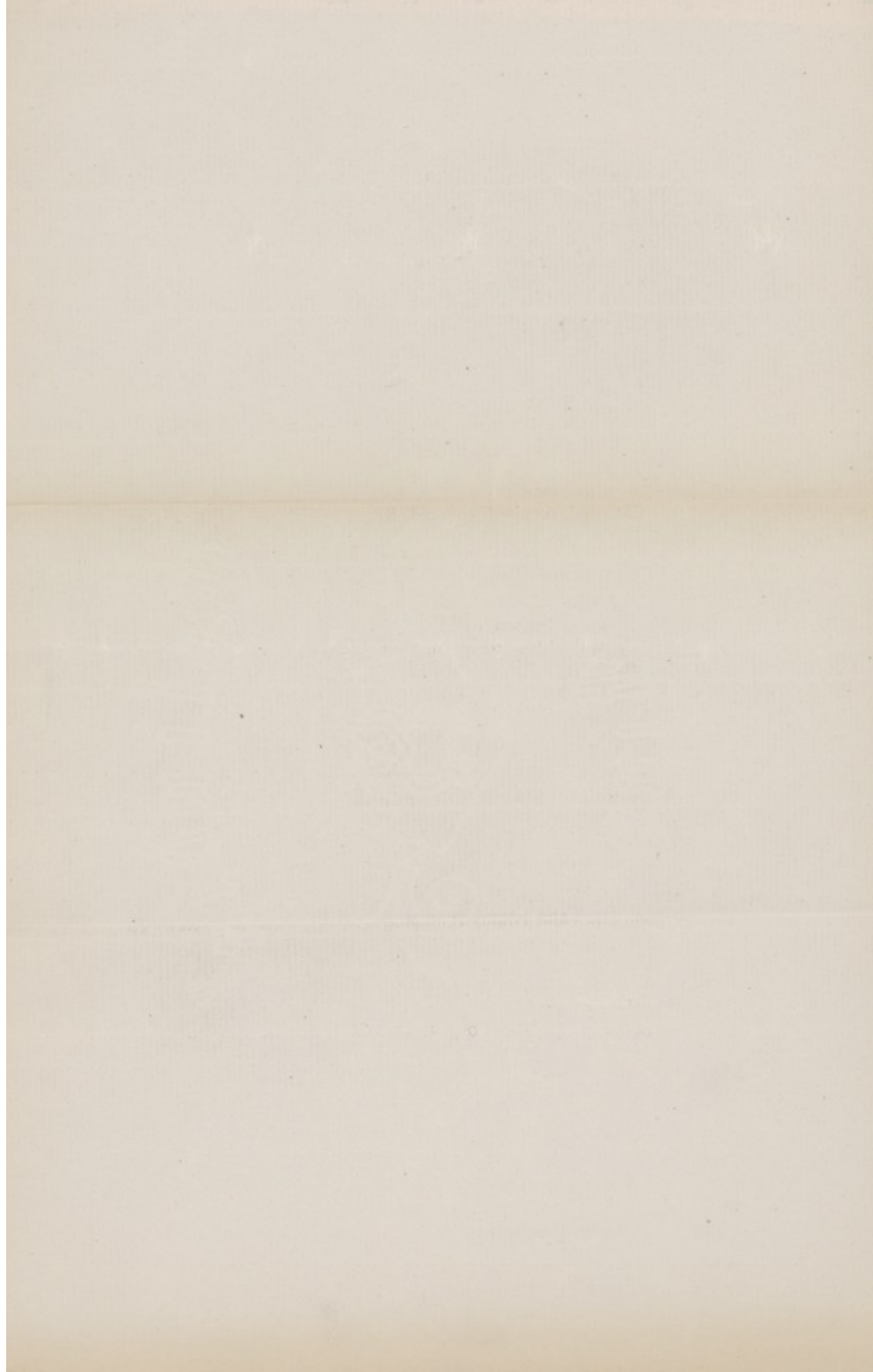
The Council have purchased additional land after an Inquiry was held by the Local Government Board for the further treatment of Sewage. Up to the present the experimental bacteriological system which was adopted is from the expert analysis of the effluent most satisfactory.

VACCINATION ACT 1898.

I have received only one notice of the postponement of Vaccination, the reason assigned being the recent prevalence of infectious diseases in the house.

INSPECTION OF THE PARISH.

Upwards of 1,000 houses have been inspected, followed in 600 cases by re-inspections. In only two instances was it necessary to have recourse to legal proceedings, one by reason of the owner making default in whitewashing and cleansing to houses, and the other because the owner permitted a new house to be occupied before the drains were connected to the Council's sewer, and a sufficient supply of water for drinking and domestic purposes provided. In both cases penalties were imposed by the Justices.



The following is an analysis of the work accomplished :—

Houses, Premises, &c., cleansed, repaired, whitewashed, &c.	...	...	...	125
„ Roofs repaired, &c.	...	...	...	41
„ Guttering and Rain Pipes repaired, &c.	...	...	...	38
„ Yards paved and drained...	...	...	..	4
Nuisances arising from Overcrowding	...	...	...	6
„ „ Smoke	...	...	...	6
„ „ Pigs, other Animals, and Fowls	...	...	...	120
„ „ Squatters or gipsies	...	...	...	4
Other Nuisances not included in the above	...	...	...	71
WATER—Pumps cleaned, repaired, &c.	...	...	..	4
Wells closed	...	...	...	2
Water laid on to houses with no supply	...	...	...	8
CISTERNS—New provided	...	...	...	15
Cleansed, repaired, covered, &c.	...	...	...	20
Flush to w c.'s	...	...	...	25
WATER—CLOSETS—New constructed	...	...	...	8
New apparatus provided	...	...	...	30
Repaired, cleaned, &c ,	...	...	...	112
Supplied with water or supply rendered efficient	...	...	...	49
Ventilated	...	...	...	25
UNHEALTHY FOOD—Articles seized	...	...	...	2
DISINFECTION—Rooms Fumigated	...	...	...	85
„ Stripped and Cleansed	...	...	...	30
Articles disinfected or destroyed	...	...	...	(several)
DRAINS—Examined, tested, exposed, &c.	...	...	...	25
Unstopped, repaired, trapped, &c.	...	...	...	156
Waste Pipes, Rain Pipes, &c., disconnected	...	...	...	17
Soil Pipes and Drains ventilated	...	...	...	20
Disconnecting Traps or Chamber inserted	...	...	...	8
Reconstructed	...	...	...	85
DUST—Dustbins repaired	...	...	...	15
Number of complaints of non-removal	...	...	...	96
New dustbins provided	...	...	...	54
STATUTORY Orders issued	...	...	...	324

I am obliged to the Surveyor to the Council for the following statistics which I consider are of interest. Plans of houses approved (excluding those known to be abandoned) 275. Plans for alterations and additions to existing buildings 23. Connections to soil sewers 141. Connections to surface water sewers 101.

1875

1875

Number of New Streets laid or re-constructed in pursuance of the Private Street Works Act, 1892, include New May Road, Seymour Gardens, Morley Road, and Alexandra Road. In addition, the Council have effected many important improvements in York Street, Richmond Road, London Road, Cross Deep, Staines Road, Whitton Road, and King Street.

The number of yards of new sewers constructed 1275. Number of yards of surface water sewers constructed 2266. New manholes constructed 54.

Sewers have been laid in the following roads, Morley Road, London Road, Southfield Gardens, Andover Road Denton Road, Colne Park Road, Oak Lane, Devencroft Gardens, Kneller Road, and Hounslow Road.

I have the honour to be Mr. Chairman and Gentlemen,

Your obedient Servant,

W. MARSTON CLARK.

Diplomate in Public Health, London.

Medical Officer of Health.

March, 1901.

11111

Number 1200, State of New York, in the County of New York, in the City and County of New York, in the Town of New York, in the Parish of New York, in the County of New York, in the State of New York, in the Year of our Lord one thousand eight hundred and eighty and in the first year of the Independence of the United States of America.

I, the undersigned, Clerk of the County of New York, do hereby certify that the within and foregoing is a true and correct copy of the original thereof, as the same appears from the records of the County of New York, in the City and County of New York, in the Town of New York, in the Parish of New York, in the County of New York, in the State of New York, in the Year of our Lord one thousand eight hundred and eighty and in the first year of the Independence of the United States of America.

In testimony whereof, I have hereunto set my hand and the seal of the County of New York, at the City of New York, this _____ day of _____, 1880.

John J. [Name]

Clerk of the County of New York