

[Report of the Medical Officer of Health for Friern Barnet].

Contributors

Friern Barnet (London, England). Urban District Council.

Publication/Creation

[1912]

Persistent URL

<https://wellcomecollection.org/works/vdkvpb4u>

License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution, Non-commercial license.

Non-commercial use includes private study, academic research, teaching, and other activities that are not primarily intended for, or directed towards, commercial advantage or private monetary compensation. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

TO THE
CHAIRMAN AND MEMBERS
OF THE
Friern Barnet Urban District Council.

GENTLEMEN,

I have the honour to present to you my Report for the year 1911, to which is attached the Report of Mr. Albert Harman, which again shows a good record of sanitary work done by him during the year.

I have pleasure in expressing to the Members of the Council my appreciation of their unfailing courtesy and assistance during the past year.

I am, Gentlemen,

Your obedient Servant,

FRANK A. SPREAT.

For the convenience of the Local Government Board and those not well acquainted with the District, I repeat the following short description.

The District of Friern Barnet is situated in the London area, and is bounded on the North by East Barnet, on the East by Southgate, on the South by Hornsey, and on the West by Finchley.

It comprises 1,304 acres (including 152 acres occupied by the buildings and grounds of the Colney Hatch Asylum), most of which is undulating ground, varying from 150 to 200 feet above the sea level, the geological formation being London clay, with here and there patches of gravel.

The General Character of the District.—For the purposes of representation statistics, &c. it is divided into three Wards—North, South, and Central; and in addition Colney Hatch Asylum, situated between the Central and South Wards, is treated separately, as to include the deaths (more than twice those of the district) of such an Institution with those of the District would create a mistaken and adverse impression of the health of the District.

The population is unevenly distributed; thus in the North Ward a large part is pasture land, and the houses for the most part are of a higher rateable value, being detached and separated some distance from each other, but during the year several houses of lower rent have been built. The houses in the Central Ward are chiefly semi-detached, and in terraces and streets. Many new houses have been built lately.

The South Ward is the most thickly populated, the houses being of the usual six-roomed kind, and are inhabited in many cases by more than one family. In this Ward also there is the tendency to the erection of flats, and the conversion of six-roomed houses into flats.

The Bounds of the District were beaten by the Overseers on May 3rd, 1910, and additional boundary plates were fixed where necessary.

VITAL STATISTICS.

Population.—I have before explained the methods adopted for estimating the intercensal years, and the reasons that have led me to adopt the figure 5·4 for estimating the population. Taking the number of occupied houses in the middle of the year as 2295, and multiplying by 5·4, gives an estimated population of 12,394, and this number agrees very nearly with the census, allowance being made for the different periods under consideration, the census being taken in April and the estimate of the population of the District in June.

The population in 1881 was 4,405 : in 1891, 6,716 ; and in 1901, 8,816 ; the average number of persons per house being respectively 6·01 and 5·6 for the two later years, as estimated from figures supplied from the Census Offices by the Registrar-General.

Total population at all ages at Census of 1901 :—

District, 8,816 ; Asylum, 2,750	...	...	11,566
Number of inhabited houses	...	...	1,633
Average number of persons per house	...	...	5·6

Total population at all ages at Census of 1911 :—

District, 12,185 ; Asylum, 2,740	...	...	14,925
Number of inhabited houses	...	...	2,765
Average number of persons per house	...	...	5·4

The following table gives the number of occupied and unoccupied houses, together with the estimated population for each Ward for this year.

	North.	South.	Central.	Total.
Houses occupied	469	1077	749	2295
„ unoccupied	38	188	65	291
Estimated population	2533	5816	3915	12,394

The population per acre in 1901 was approximately 8 in 1910 it was 8·9, and is now 9·5.

BIRTHS.

These numbered 307, giving a birth-rate of 24·5, being a decrease of 5·7.

The natural increase of the population by the excess of births over deaths was $307 - 138 = 169$; the excess in 1908 being 213 ; in 1907, 177 ; in 1906, 152 ; and in 1910, 240.

DEATHS.

There were 104 deaths (Tables I., III., and IV.) registered in the District, excluding the Asylum, giving a death-rate of 8·4, an improvement of 0·1 on 1910.

Thirty-four deaths occurred outside the District of persons belonging to it, giving a net total of $104 - 34 = 138$, showing a net death-rate of 11.2, and producing a death-rate corrected for age and sex distribution by the factor 1.0774 of 12.

Deaths occurring between 1 and 2 years.—Of these one was Diarrhœa, two Bronchitis, and one Measles.

Between 2 and 5.—There was one due to Measles.

Between 45 and 65.—There were 33 deaths. Of these six were due to Phthisis, five to Cancer, and five to Pneumonia.

Between 65 and upwards.—There were 47, of which twelve were due to old age, and ten to Heart Disease.

Thus 34 per cent of the total number of deaths was due to old age.

INFANTILE MORTALITY,

The number of deaths under one year was 38, twelve more than in 1910, giving an infantile mortality rate of 123. We have to go back to 1906 for any thing approaching so high an infantile mortality rate, and this only confirms my remarks made in my last report on the determining influence of high temperature and low rainfall on the incidence of intestinal diseases. The summer of 1911 having been the hottest and driest for some years.

Previous to the circular of the Local Government Board, of August, drawing attention to the importance of domestic scavenging and general cleanliness, and the part played by insects in polluting foods, a circular letter had been prepared and issued on the subject by this authority.

There is no doubt but that the high rate of 123 is due to the above conditions. 19 of the 38 deaths being due to intestinal diseases. Last year there were only two deaths from this disease.

The following is a table comparing the number of houses occupied and unoccupied, the population, births, birth-rate, deaths, and death-rate since 1885, giving an idea of the growth and health of the District during that period :—

YEAR.	HOUSES.		Population.	Births.	Birth-rate.	Deaths.	Death-rate.
	Occupied.	Un-occupied.					
1885	909	237	5269	157	29·7	66	12·5
1886	983	183	5496	207	37·6	68	12·3
1887	1022	106	5733	204	35·4	53	9·2
1888	1043	125	5900	207	34·8	71	11·8
1889	1076	86	6238	219	35·1	75	12·6
1890	1089	108	6507	258	39·6	94	14·4
1891	1117	84	6787	218	32·1	84	12·3
1892	1179	118	7079	191	26·9	70	11·2
1893	1216	72	7384	209	28·3	76	10·3
1894	1264	56	7467	206	27·5	77	10·3
1895	1277	58	7698	204	26·5	77	10·0
1896	1377	19	8377	213	25·4	72	8·5
1897	1388	17	8355	228	27·2	104	12·4
1898	1441	8	8668	217	25·0	85	9·8
1899	1482	10	8916	236	26·5	99	11·1
1900	1564	57	9114	248	27·2	105	11·5
1901	1558	104	8816	242	27·4	99	11·2
1902	1633	143	9145	270	29·5	105	11·4
1903	1686	144	9442	294	31·1	96	10·4
1904	1714	160	9758	296	30·3	103	10·5
1905	1843	150	10470	291	27·7	104	9·2
1906	1863	192	10625	291	27·4	139	11·0
1907	1828	258	10237	294	28·9	117	10·5
1908	1863	235	10422	333	31·9	120	9·7
1909	1965	317	11005	316	29·0	121	9·6
1910	2075	328	11620	351	30·2	112	8·3
1911	2295	291	12394	307	24·5	138	8·4

THE PRINCIPAL EPIDEMIC DISEASES.

The Zymotic death-rate—deaths from the following diseases — Small-pox, Measles, Scarlatina, Diphtheria, Whooping Cough, Diarrhœa, Fever (Typhus, Typhoid and Continued) was 1·76, due almost entirely to deaths from summer Diarrhœa.

The principal Epidemic Diseases Death-rate in previous years was :—

1884	...	2.1	1893	...	2.3	1902	...	1.4
1885	...	1.2	1894	...	1.6	1903	...	1.4
1886	...	2.7	1895	...	0.9	1904	...	1.1
1887	...	0.8	1896	...	1.5	1905	...	1.0
1888	...	1.5	1897	...	2.5	1906	...	1.5
1889	...	0.7	1898	...	1.9	1907	...	0.58
1890	...	1.6	1899	...	2.5	1908	...	0.47
1891	...	1.5	1900	...	0.5	1909	...	0.63
1892	...	1.0	1901	...	1.8	1910	...	0.6

It will be seen from Table II. that 49 Notification Certificates of Infectious Diseases were received as compared with 50 in 1906, 78 in 1907, 122 in 1908, 114 in 1909, and 56 in 1910. The decrease being due to the fewer number of Diphtheria and Scarlet Fever and Tuberculous cases.

TABLE OF INFECTIOUS DISEASES.

Month.	Small-pox.	Scarlet Fever.	Diphtheria.	Enteric.	Erysipelas.	Puerperal.	Phthisis.	Total.
January	0	0	2	0	0	0	0	2
February	0	0	0	0	0	0	3	3
March	0	1	1	0	3	1	0	6
April	0	2	2	0	1	0	1	6
May	0	4	0	0	1	0	1	6
June	0	3	1	0	0	0	0	4
July	0	0	2	0	1	0	2	5
August	0	0	0	0	0	0	0	0
Sept'ber	0	2	0	2	2	1	0	7
October	0	0	0	0	1	0	0	1
November	0	3	0	0	0	0	0	3
December	0	3	1	0	2	0	0	9
Totals	0	18	9	2	11	2	7	49

REMOVAL TO HOSPITAL.

	scarlet Fever.	Diphtheria
March	1	1
April	1	2
May	3	
June	2	
July	1	
September	2 (1 to London Fever Hosp)	
December	1	
	—	—
Total	11	3
	—	—

All cases were treated at Southgate, except the one removed to London Fever Hospital.

Note.—The number of Phthisis cases in the above Table is the number of fresh cases belonging to the district only. Renotifications and notifications in connection with transfers from Leavesden to Colney Hatch are excluded.

PHTHISIS.

Transfer Notifications from Leavesden to Colney Hatch	10
Renotifications in connection with Colney Hatch	... 0
General Renotifications	... .. 14

BACTERIOLOGICAL EXAMINATIONS.

The application of this process for diagnostic purposes continues to increase, and has been much appreciated.

Reports on Diphtheria.

Type of Examination.	No. of Specimens.	Negative.	Positive.	Total.
Primary	5	5	0	5
Secondary	2	2	0	2
Reports on Tuberculosis.				
Primary	1	0	1	1
Reports on Enteric Fever (Widal's).				
Primary	4	3	1	4
Secondary	1	1	0	1

SMALL-POX.

No cases occurred.

During the year I received 7 notifications of contact persons. Five of these related to workmen engaged in building new Post Office premises in Islington. They were visited over a period of 11 days, but no case developed. The remaining 2 notifications were received from the Southampton Port Authority respecting travellers.

SCARLET FEVER.

18 cases were notified as compared with 16 in 1910 and 27 in 1909. These cases were removed to Hospital.

ENTERIC FEVER.

Two cases were notified, neither case was removed to Hospital. There was no death.

PUERPERAL FEVER.

There were 2 cases, neither being attended by midwife.

ERYSIPELAS.

There were 11 cases, 5 of which occurred in the Asylum.

MEASLES.

This disease has been present to a slight extent only. There were a few cases at St. Paul's Schools during June, but I did not consider it necessary to take any steps with a view to closing any department of the schools, after careful consideration of the number of cases, and the proportion of children who had already had the disease, &c., &c.

WHOOPIING COUGH.

There was an outbreak at St. John's Schools in December, 28 cases being notified.

MUMPS

This disease was prevalent at the Middlesex County Council's Infants Schools in Sydney Road, during the Autumn.

PHTHISIS AND OTHER TUBERCULAR DISEASES.

Seven cases were notified as belonging to the district, 6 under the Poor Law, and one under the Hospital regulations.

Ten Transfer notifications were received of patients transferred from Leavesden to Colney Hatch Asylums, and 14 general notifications.

The death rate was .48.

In each case, it has been the practice for many years past, on a case being brought to notice the premises are visited, the nature of the disease explained, and disinfectants and leaflets supplied.

Disinfection after removal and fatal case is carried out as far as possible, and has generally been readily accepted.

There is no hospital accommodation for this disease. Poor Law cases are as far as possible sent to a sanatorium.

Asylum.—There were 56 deaths from this disease, approximately one fifth of the total number 262.

This Institution has Isolation accommodation for Phthisis.

CANCER.

There were 11 deaths, giving a death rate of .9.

Infections Diseases other than those notifiable
under the Act.

1911 is the second year of systemic notification of
disease by School Teachers.

The following notifications have been received,

Disease.	Cases Notified.	Contacts Notified.	Area affected.
Measles	124	43	South Ward
Mumps	18	—	Sydney Road
Whooping Cough	53	—	Central Ward.
Chicken Pox ...	11	—	District generally.
Ringworm ...	4	—	District generally.
Total	207	43	

The notifications were received from the Schools as
follows :—

St. Paul's	109	notifications.
St. John's	33	"
St. Peter's	3	"
All Saint's	3	"
Holly Park Council	19	"
Garfield Road	14	"
St. James'	7	"
Sydney Road Council	77	"
Total	265	

Note.—Fifteen duplicate notifications were received of Scarlet Fever and Diphtheria with contacts which are inserted in this table but deleted from the above table.

MIDWIVES ACT.

Two cases of puerperal fever were notified.

There are five Midwives working in, but only one of these is living within the district.

ISOLATION HOSPITALS.

The District, under an arrangement with the Southgate District Council, has six beds for the treatment of Scarlet Fever, Diphtheria, and Enteric Fever.

Fourteen cases have been removed to hospital during the year.

Provision has this year been made for Smallpox. The District having made arrangements with the Middlesex Joint Smallpox Hospital Board.

INFECTIOUS DISEASES AND THE MEANS TAKEN TO PREVENT THEIR SPREAD.

On receipt of information respecting infectious case the premises are visited, a printed list of instructions as to necessary precautions is given and explained, disinfectants are supplied, and the schools attended, in the case of children, and their employers in the case of adults, notified.

Removal to an Isolation Hospital is offered, and when accepted is carried out, subject to beds being obtained.

After recovery or removal of an infectious case, disinfection of the room or rooms occupied is performed by means of sulphur and formalin. Cleansing and stripping notices are served where necessary.

Clothes, bedding, &c., are removed to Finchley, where they are put through the steam disinfecter.

Diagnosis outfits and antitoxin are supplied free to medical men for use in cases occurring in the District, and the suspected specimens are examined and reported upon at the expense of the Council.

Supplies of antitoxin are kept at the Council Chambers in the Central Ward, and at the residence of the Medical officer of Health in the North Ward and at that of the Sanitary Inspector in the South Ward.

Medical men have availed themselves of this serum, both for acute cases and as a preventive.

This is the first year that we have received information respecting Infectious diseases throughout the country by means of a return received direct from the Statistical Department of the L.G.B. These returns are compiled by local weekly reports sent to the Statistical Department and the County M.O.H. from each authority in the Kingdom.

On the receipt for notification of Infectious disease among pupils of the elementary schools, a form giving full particulars of contacts, is sent to the Chief Medical Inspector of Schools for the County, and copies of this form are also sent to the school teacher, and the attendance officer, with a view to their exclusion.

HOUSING.

The house accommodation still meets the demand.

In the South Ward, the most densely populated, there are 188 unoccupied houses.

OVERCROWDING.

A few cases were dealt with under the nuisance clauses of the Public Health Act 1875.

Two representations were made under the Housing and town planning act, and closing orders were made and are still in force.

The two houses which were closed last year, have been put into repair, and the closing order determined.

COMMON LODGING HOUSES.

There are not any.

MOVABLE DWELLINGS.

Four cases have been dealt with.

CANALS.

There are none in the district.

MEAT AND FOOD INSPECTIONS.

The Sanitary Inspector has continued to give this matter attention, and the butchers' shops and general food vendors' premises are under periodical inspection.

The meat sold in the District is chiefly derived from the Meat Markets of London, and show signs of having been previously inspected.

All locally killed pork is inspected on exposure for sale, and the glands of the neck and throat are incised and examined.

PIG KEEPING.

I would repeat that it does not seem possible to convince the ordinary pig-keeper that the pig is really a clean animal in his habits, the opinion prevails, it would

almost appear that the dirtier the surroundings and the more decomposed his food the more he likes it and the better he thrives.

The result of such erroneous ideas is that Piggeries are almost always carried on in such a manner as to be bordering on if not actually a nuisance. With the rapid extension of building the difficulties surrounding this industry have largely increased.

In one case proceedings were taken and a conviction obtained, which was upheld on appeal, on account of repeated complaints.

Application was made to the Local Government Board asking that pig-keeping be scheduled as an offensive trade. The application was refused.

There is no doubt that the boiling of food in a semi-fermentive state, and the extraction of fat therefrom is very offensive, quite apart from the intolerable stench which arises from a number of pigs improperly kept.

OFFENSIVE TRADES.

There are not any.

DUST DISPOSAL AND REMOVAL.

This is undertaken by the Engineer and Surveyor's Department. The collection is made weekly, and the dust removed in covered vans. Notices are served as required to provide portable sanitary dust-bins in place of worn-out or unsanitary bins.

The refuse is chiefly taken to the Sewage Works and deposited on the ground. The provision of an up-to-date Dust Destructor is before the Council, and the Committee have the matter under consideration.

AMBULANCE.

This District does not yet possess an Ambulance, but satisfactory arrangements have been made with the Finchley District Council for the hire of their conveyance.

MORTUARY.

The Finchley District Council have an excellent Mortuary a short distance from Friern Barnet's West boundary, and arrangements have been made for its use.

CORONER'S INQUESTS.

The large room on the West side of the Council Offices has been fitted up for Coroner's Inquests, and during the year a number of Finchley and Friern Barnet Inquests have been held here.

The Council Offices being near the Finchley Mortuary, this room has been found convenient for holding the Finchley Inquests. Formerly the Inquests were held at public-houses.

LEGISLATION.

The following Acts of Parliament, Bye-laws, and Regulations are in force in your District :—

Public Health Act, 1875.

Housing and Town Planning Act, 1909.

Public Health Acts Amendment Act, 1890.

Infectious Diseases Prevention Act, 1890.

Infectious Diseases (Notifications), Acts, 1889, 1890.

Contagious Diseases (Animals) Act.

Dairies, Cowsheds and Milk-shops Order, 1885.

Factory and Workshops Acts, 1901.

Allotments Act.

Slaughterhouses.

Cleansing, &c., and Removal of Refuse.

Houses let in Lodgings.

Public Mortuaries.

Prevention of Nuisances (Bye-laws, approved by L.G.B., 1884).

Keeping of Animals Bye-laws, approved by L.G.B., 1884.

New Streets and Buildings Bye-laws, approved by L.G.B., May, 1903.

Open Spaces, jointly with East Barnet Valley and Southgate District Councils.

Communications with Drains and Sewers.

Customs and Revenue Acts, 1890, 1891.

Public Health Acts Amendment Act, 1907.

Notification of Births Act, 1908.

Tuberculosis Regulations, Poor Law, 1908.

„ „ Hospitals, 1911.

„ „ General, 1911.

DISPOSAL OF SEWAGE.

Situation of the Works.—The Sewage Works are situated on the South side of the District (in Wood Green Parish), and within 100 yards of a small brook, into which the effluent flows. The original works were completed at the end of 1886, from designs furnished by Mr. Baldwin Latham, M.Inst.C.E., and were executed under his direction.

The works have been extended from time to time and continue to produce a very satisfactory effluent.

The method of treatment is as follows :—

The sewage, which enters the works by gravitation, is first passed through a revolving screen, after which a solution of Buxton lime equal to 4 grains per gallon is added, and the whole is thoroughly mixed. It then receives aluminoferric to the extent of 1 grain per gallon, and is again well mixed by passing through a salmon ladder; and in this con-

dition it flows into settling tanks, of which there are five, four having a capacity of 70,000 gallons, and the fifth, which will hold 92,000 gallons.

The overflow from the tanks first passes out of the tanks into an open channel, then into the first Contact Bed, and through the filter or second Bacteria Beds into an effluent chamber, and thence into the brook referred to above.

The roads in this District have separate sewers for storm water, and all houses except the older ones have the dual system of drainage.

An endeavour is being made to carry the storm water from the old houses into the surface water sewers, as opportunities occur.

This is very necessary, as everything should be done to make the flow of sewage at any sewage works as uniform as possible.

The sewage from the Avenue and Ely Place section of the District has to be pumped to the Sewage Works, and in this case any rain water admitted to the sewers greatly increases the cost of lifting the sewage to the gravitation sewers.

NEW SEWERS.

During 1911 new sewers have been laid in part of Beaconsfield Road, Chandos Avenue (Extension), Fensanton Avenue (site of), Clevedon Avenue (site of) and a further portion of the watercourse running eastwards from the Finchley boundary near Grove Road has been enclosed and culverted with a 4 ft. diameter culvert consisting of reinforced granite concrete tubes laid in concrete.

WATER SUPPLY.

The Barnet Water Company now gives a constant and good supply.

DAIRIES, COWSHEDS AND MILKSHOPS.

A list of these will be found under the Scheme at the end of the Report.

These have been constantly inspected, and suggestion for the personal cleanliness of the milkers and the grooming of the cows have again been urged.

Veterinary surgeon has not yet been appointed.

On complaint one sample of milk was taken and found to be adulterated, and was dealt with by the County Authority.

SLAUGHTER HOUSES.

There is only one in the district, subject to an annual use.

NOTIFICATION OF BIRTHS ACT.

[FORM OF NOTIFICATION.]

Reference.....

Urban District Council of Friern Barnet.**NOTIFICATION OF BIRTHS ACT, 1907.**

TO THE MEDICAL OFFICER OF HEALTH.

Name of Parents	
Address	
Date and time of birth, being alive or dead	
If parent not to be visited, please state—No visit required	
State whether Boy or Girl	
If Midwife is in sole charge of Patient, her Name and Address is requested	
Name and Address of Person sending card	

1. Notification of birth must be sent to the Medical Officer of Health within 36 hours after birth, under a penalty not exceeding 20/- in case of default.

2. The duty of notifying falls firstly on the father, but if not living at home at the time, secondly on any person in attendance at the time of, or within 6 hours after the birth.

3. Therefore those in attendance upon the mother should arrange amongst themselves who will send the notification to the Medical Officer of Health.

Forms or letters received	...	...	...	...	190
Total Births notified	...	...	...	...	196
Males	...	...	...	...	95
Females	...	...	...	...	79
Sex not stated	...	...	...	...	8
Still Births	...	...	...	...	1
No. of Births attended by Midwives	...	...	...	...	106
Visits requested	...	...	...	...	0
Visits by Voluntary Helpers	...	...	...	...	0
Visits by Sanitary Inspector	...	...	...	...	21
Number of Cards of Hints sent	...	...	...	...	190

In all cases where the mother is attended by a midwife the notification forms are sent to the Chief Inspector under the Midwives Act, after the particulars are entered in the Register.

There has been a falling off in the number of notifications during the year from 67—64 per cent.

The midwives are very prompt in sending notifications of births, over 50 per cent. of the notifications come from them.

SCHOOLS.

1, All Saints; 2, St. John's; 3, Friern Lane; 4, St. Peter's; 5, St. Peter's; 6 and 7, Middlesex County Schools (Sydney Road and Holly Park).

All these seven schools have been frequently inspected, and have been found to be in good order.

During epidemics the schools are visited daily and lists of absentees obtained, whose homes are visited.

Disinfectants are supplied for use in the lavatories, and also to be added to the water with which the slates, desks, and floors are washed.

During the vacations the schools are thoroughly disinfected.

I would again urge the necessity of a supply of paper in the school W.C.'s.

INSPECTIONS.

I have inspected Oakleigh Road, Bawtry Road, Sydney Road, Alexandra Road, Pembroke Road, Roman Road, The Avenue, Holmsdale and Stanhope Roads, the mews and Licensed Houses, &c., &c.

PUBLIC IMPROVEMENTS.

The whole of the south footway along the Friern Barnet Road and the remainder of the north footway have been paved with Patent Victoria Stone, and the Middlesex County Council have agreed to contribute about £490 towards the cost of this work. The footways of the new road Avenue extension and the east footpath of the Oakleigh Road South from the Friern Barnet Road to the boundary by the Recreation Ground have also been paved with Patent Victoria Stone. Various Roads have been widened in parts and footway repairs have been carried out where necessary. Kerbing, chaunnelling has been done and a portion of the road in Friern Lane near Myddleton Park opposite widening has been made up.

Fire Brigade.—This Council has a retained Fire Brigade.

The District is well served with water at a high pressure, there being Hydrants at frequent intervals. Many additional fire hydrants have been fixed during the year.

Post Office Telegraphs.—Underground mains have been laid in the Torrington Park, Friern Barnet Road, Colney Hatch Lane and Friern Barnet Lane,

Post Office Facilities.—An additional Post Office has been provided opposite the Council Offices.

Vent Columns.—Additional vent columns have been fixed wherever necessary.

Dust Prevention and Motor Traffic.—All the public roads of the District were coated with hot tar during the summer. This work both protects the surface of the road, aednces the scavenging and watering, and prevents nuisances from storms of dust. The Council have now two tar spraying machines. The Council should continue the practice of coating all roads with broken granite as this makes a better surface than broken gravel. The tarring of the roads strengthens their surface, as the surface is rendered impervious, the watering and rains cleansing the roads without washing the surface away.

The Friary Park.—The Local Government Board have now sanctioned a further loan for £2,500 for various works in the Park and conveniences, Bowling Green, Rockeries, Ponds, etc., are being constructed. Three Drinking Fountains, the gift of the Metropolitan Cattle Trough and Drinking Fountain Association have been fixed and were much appreciated during the summer months.

Mews.—The Council have given special attention to these during the past year.

Lighting.—All-night lighting by means of Automatic Clockwork Controllers is now general throughout the District except for a portion of the North Ward. Additional lamps have been fixed and the lighting improved in many parts of the District.

Allotments.—As in past years the Council have continued their search for suitable land and have entered into a provisional agreement to purchase five acres of land and

cottages off the Oakleigh Road North. Application has been made to the Local Government Board for a loan and sanction to purchase this land.

Housing of the Working Classes.—This matter is under consideration and the Council desire to purchase some land between Sydney Road and Alexandra Road for this purpose. On referring to the table of houses and population, it will be seen that there are 188 unoccupied houses in this the South Ward.

Town Planning Act.—This matter has been considered in connection with the development of the Friern Watch Estate.

Sewage Works.—After several years negotiations the London County Council Asylums Committee have agreed to straighten the water course forming the Northern Boundary of these Works and the matter is now being put in hand. This is a long needed improvement and will prevent floodings in the Asylum Grounds.

Urinals, Conveniences, etc.—The Council have considered the question of providing a convenience near the boundary of this District and are taking the matter up with the adjoining Authorities.

Great Northern Railway Bridge, Friern Barnet Road.—The Agreements for widening this Dangerous Bridge are now completed, and application will be made for a loan for this work as soon as the detail plans are ready.

Tree Planting, Public Roads.—This work has been continued during the past year, and I would recommend that trees be planted wherever possible, particularly in the poorer parts of the District.

Table 1.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1911 AND PREVIOUS YEARS.

Name of District—FRIERN BARNET.

(Excluding 262 non-resident deaths in the Asylum.)

YEAR,	Population estimated to middle of each year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NET DEATHS BELONGING TO THE DISTRICT.			
		Uncorrected Number.	nett.		*number.	Rate.	of non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
			\$ Number.	Rate*					number.	Rate per 1000 nett Births Registered.	*number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1906 ...	10,625	291	..	27.4	177	...	2	24	...	...	139	13.0
1907 ...	10,237	294	...	28.9	108	...	1	10	...	...	117	11.4
1908 ...	10,422	333	...	31.9	131	...	...	19	...	...	120	11.5
1909 ...	11,005	316	...	29.0	106	...	...	15	...	...	121	11.0
1910 ...	11,620	351	...	30.2	97	...	...	15	...	...	112	9.6
1911 Asylum District	2,740 12,394	303	307	24.5	104	8.4	..	34	38	123	138	11.2

NOTES.—This Table is arranged to show the gross births and deaths in the district, and the births and deaths properly belonging to it with the corresponding rates. For years before 1911 some of the corrected rates probably will not be available. The rates should be calculated per 1,000 of the estimated gross population. In a district in which large Public Institutions for the sick or infirm seriously affect the statistics, the rates in Columns 5 and 13 may be calculated on a nett population, obtained by deducting from the estimated gross population the average number of inmates not belonging to the district in such institutions.

* In Column 6 are to be included the whole of the deaths registered during the year as having actually occurred within the district.

In Column 12 is to be entered the number in Column 6, corrected by subtraction of the number in Column 8 and by addition of the number in Column 9. Deaths in Column 10 are to be similarly corrected by subtraction of the deaths under 1, included in the number given in Column 8, and by addition of the deaths under 1 included in the number given in Column 9.

The following special cases arise as to Transferable Deaths :—

(1) Persons dying in Institutions for the sick or infirm, such as hospitals, lunatic asylums, workhouses, and nursing homes (but not almshouses) must be regarded as residents of the district in which they had a fixed or usual residence at the time of admission. If the person dying in an Institution had no fixed residence at the time of admission, the death is not transferable. If the patient has been directly transferred from one such institution to another, the death is transferable to the district of residence at the time of admission to the first Institution.

(2) The deaths of infants born and dying within a year of birth in an Institution to which the mother was admitted for her confinement should be referred to the district of fixed or usual residence of the parent.

(3) Deaths from Violence are to be referred (a) to the district of residence, under the general rule; (b) if this district is unknown, or the deceased had no fixed abode, to the district where the accident occurred, if known; (c) failing this, to the district where death occurred, if known; and (d) failing this, to the district where the body was found.

Area of District in acres (exclusive of area covered by water).	1,304 acres.	Total population at all ages.			
		District ...	12,185	14,925	At Census, 1911.
		Colney Hatch Asy. ...	2,740		
		Number of inhabited houses ...		2,765	
		Average number of persons per house ...		5.4	

Table II.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR, 1911.

Notifiable Diseases.	Cases Notified in Whole District.							Total Cases Notified in each Locality.				Total Cases removed to Hospital.
	At all Ages.	At Ages—Years.						North.	South.	Central.	Asylum.	
		1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.					
Diphtheria	9	3	1	2	2	1	..	2	6	1	..	3
Erysipelas	11	2	1	..	3	4	1	1	4	3	3	..
Scarlet Fever	18	3	13	1	1	..	..	3	11	4	..	11
Enteric Fever	2	..	..	..	1	1	..	1	1	..	..	..
Puerperal Fever... ..	2	..	..	..	2	..	..	..	1	1	..	..
Phthisis { Under Tuberculosis Regulations, 1908	6	..	1	..	4	1	..	1	3	2	..	..
	1	..	..	1	..	..	..	..	..	1	..	..
Totals	49	8	16	4	13	7	1	8	26	12	3	14

Isolation Hospital—Name and Situation, Southgate, Tottenham Road, Palmer's Green. Total available beds, 6.
 Number of Diseases that can be concurrently treated—3.

Table III.
CAUSES OF, AND AGES AT, DEATH, DURING THE YEAR 1911.

CAUSES OF DEATH. 1	Deaths in, or Belonging to Whole District at subjoined Ages.									Total Deaths in Public Institutions in the District. 11
	All ages.	Under 1 Year.	1 and under 2.	2 and under 5.	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards.	
	2	3	4	5	6	7	8	9	10	
Enteric Fever										
Small Pox										
Measles	2		1	1						
Scarlet Fever										
Whooping Cough	1	1								
Diphtheria and Croup										
Influenza	1							1		
Erysipelas										
Cerebro-Spinal Fever										
Dysentery										24
Heart Disease	15			1	1			3	10	20
Phthisis (Pulmonary Tuberculosis)	6						1	6		56
Tuberculosis Meningitis	1	1								
Other Tuberculous Diseases	3	1				1	1			
Rheumatic Fever	1				1					
Cancer (malignant disease)	11							5	6	7
Bronchitis	13	2	2					1	8	5
Broncho-Pneumonia	2	2								
Pneumonia (all other forms)	10				1	1		5	3	48
Other diseases of Respiratory Organs										
Diarrhœa and Enteritis	19	17	1	1						3
Appendicitis and Typhlitis										
Alcoholism										
Cirrhosis of Liver										
Nephritis and Bright's Disease	4							2	2	8
Puerperal Fever										
Other accidents and diseases of Pregnancy and Parturition	5	4						1		
Congenital Debility and Malformation, including Premature Birth	5	4						1		
Violent Deaths, ex- cluding Suicides	2	1						1		
Suicides	1								1	5
Epilepsy										
Senile	12								12	11
Dementia										7
General Paralysis of Insane										33
Other defined diseases	23	5	2	1			2	8	5	35
Diseases ill-defined or unknown	1					1				
All causes	138	38	6	4	3	3	4	33	47	262

Table IV.
INFANTILE MORTALITY.

1911. Nett Deaths from stated causes at various Ages under One Year of Age.

CAUSE OF DEATH.	Under 1 Week	1—2 Weeks	2—3 Weeks	3—4 Weeks	Total under 1 Month	1—3 Months	3—6 Months	6—9 Months	9—12 Months	Total Deaths under One Year
All Causes—										
Certified										
Uncertified										
Common Infectious Diseases—										
Small-pox										
Chicken-pox										
Measles										
Scarlet Fever										
Diphtheria and Croup										
Whooping Cough								1		1
Diarrhœal Diseases—										
Diarrhœa						1	2	1		4
Enteritis						4	3	4	2	13
Tuberculous Diseases—										
Tuberculous Meningitis									1	1
Abdominal Tuberculosis						1				1
Other Tuberculous Diseases										
Wasting Diseases—										
Congenital Malformations										
Premature Birth	2		1		3					3
Atrophy, Debility and Marasmus	1				1					1
Atelectasis										
Injury at Birth	4				4					4
Erysipelas										
Syphilis										
Rickets										
Meningitis (<i>not Tuberculous</i>)	1	1			2	1			1	4
Convulsions										
Gastritis										
Laryngitis										
Bronchitis							1	1		2
Pneumonia (all forms)							1	1		2
Suffocation, overlying	1				1					1
Other Causes						1				1
	9	1	1		11	8	7	8	4	38

Nett Births in the Year	{	legitimate	299
		illegitimate	8
Nett Deaths in the Year of	{	legitimate infants	38
		illegitimate infants	—

METEOROLOGY.

Month.	Temperature of Air				Mean Temperature of air,	Rain		Prevailing Wind.
	Highest.	Lowest.	Mean.			No. of Wet Days.	Amount Collected.	
			of all Highest.	of all Lowest.				
	Deg.	Deg.	Deg.	Deg.	Degrees.		Ins.	
January ...	50	21	39.70	31.58	35.64	13	1.36	N W
February ..	54	13	44.14	31.86	38.00	13	1.67	S W
March ...	60	24	46.54	33.32	39.93	18	1.85	N E
April ...	69	22	53.15	30.75	41.95	11	1.66	N E
May ...	82	32	66.90	47.50	57.20	9	1.11	N E
June ...	83	36	69.64	51.22	60.43	13	2.51	S W
July ...	93	44	79.39	55.45	67.42	5	.77	N E
August ...	96	45	79.40	56.86	68.13	9	.73	S W
September ...	92	35	71.10	48.30	59.70	9	1.41	S W
October ...	64	27	57.13	43.93	50.53	15	3.69	N E
November ...	57	28	49.42	39.86	44.64	16	3.49	S W
December ...	53	29	47.53	39.37	43.45	26	4.77	S W
			58.67	42.50	50.585	157	25.02	amount Collected
			Mean of all Highest	Mean of all Lowest	Mean Temperature of Air.	No. of Wet Days.	average per month.	

Factories, Workshops, Laundries, Workplaces, and Homework.

1.—INSPECTIONS.

Including Inspections made by Sanitary Inspectors or Inspectors
of Nuisances.

Premises.	Number of		
	Inspection.	Written Notices.	Prosecutions.
Factories (including Factory Laundries)	10	2	...
Workshops („ Workshop Laundries)	71	2	...
Workshops (other than Outworkers' premises included in Part 3 of this Report)	154	4	...
Total	235	8	...

2.—DEFECTS.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
NUISANCES UNDER THE PUBLIC HEALTH ACTS*				
Want of Cleanliness	4	4		
Want of Ventilation				
Overcrowding				
Want of Drainage of Floors	1	1		
Other Nuisances				
Sanitary Accommodation—				
Insufficient				
Unsuitable or Defective	2	2		
Not separate for sexes				
OFFENCES UNDER THE FACTORY AND WORKSHOPS ACT—				
Illegal occupation of Underground Bakehouse (s. 101)				
Breach of special sanitary requirements for Bakehouses (ss. 97 to 100)				
Other Offences—				
(Excluding offences relating to outwork which are included in Part 3 of this Report)				
Total	7	7		

* Including those specified in sections 2, 3, 7 and 8 of the Factory and Workshops Act as remediable under the Public Health Acts.

3—HOMEWORK.

Outworkers' Lists, s. 107	...	...	...	...
Lists received from Employers	...	...	...	...
Prosecutions	...	...	...	...
Outwork in unwholesome premises, s. 108	...	...	...	...
Outwork in infected premises, s. 109, 110	...	...	...	...

4—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year (important classes of Workshops, such as Workshop Bakehouses)—

Factories	...	...	...	...	...	...	5
Laundries	...	...	...	...	...	...	3
Domestic Workshops	...	...	...	...	...	...	3
Slaughterhouse	} Workshops	...	...	...	...	...	1
Mews		...	...	...	...	...	1
Workshops	...	...	...	...	...	...	9
Bakehouses	...	...	...	...	...	...	6
Total number of Workshops on Register							28

5—OTHER MATTERS.

Matters notified to H.M. Inspector of Factories—

Failure to affix Abstract of the Factory and Workshops Act, (s. 133)	3
--	-----	-----	-----	-----	-----	-----	---

Action taken in matters referred by H.M. Inspector as remediable under the Public Health Act, but not under the Factory and Workshops Act (s. 5)—

Notified by H.M. Inspector	...	...	...	...	...
Reports (of actions taken) sent to H.M. Inspector	...	...	...	...	...
Other	...	...	...	...	...

Underground Bakehouses (s. 101)—

Certificates granted during the year	...	...	...	...
In use at the end of the year	...	...	...	1

FRANK A. SPREAT, F.R.C.S., D.P.H.,

Medical Officer of Health.

The Factory and Workshops Acts, 1901, being now in force I have drawn up a Report, in scheme form to facilitate reference.

NO. IN REGST	NAME AND SITUATION OF WORKSHOP.	NAME OF		NATURE OF EMPLOYMENT.	GENERAL REMARKS.
		OCCUPIER.	OWNER.		
	Milksellers.				
1	6, The Parade, Friern Barnet Road	Weiss, F. ...	Percy Young ...	Milkseller ...	In a very small way for convenience of Customers
2	Friern Manor Dairy Co., 4, The Broadway	Wm. Taylor ...	J. C. Newman	Dairyman ...	In order
3	Queen's Parade	S. G. Bayliss ...	Mr. Day ...	Milkseller ...	In order
4	The Muswell Dairy, Wetherill Road	P. M. Adams ...	P. M. Adams...	Milkseller ...	Proper dung receptacle provided
5	4, Alexandra Parade	A. Nunn... ...	S. Carter ...	Milkseller ..	Combined with Confectioner's business
6	Friern Manor Farm Dairy Co., the Park Farm, Coppett's Lane	Mr. Taylor ...	The Co. (Houses) Land, Smith's Exors. ...	Milkseller ...	In order
7	2, Cromwell Buildings	F. Sargeant ...	Flexman, W.... Maurice Jones	Milkseller and Dairyman...	In order
8	35, Friern Barnet Road	Henry B. Brinkler	E. Dixon ...	Dairyman ...	Special Butter Store
9	12, Halliwick Parade	Owen Robinson...		Milkseller ...	
10	Manor Farm or Oakleigh Park Dairies High Rd. Whetstone	Mr. Lane ...	Lord Mount Temple ..	Dairyman and Retailer ...	In order
11	Bakery, 6, Oakleigh Rd.	Miss Gilmour ...	George Ing ...	Milkseller ...	For convenience of small trade
12	White's Stores, Pembroke Road	Mrs. White ...	Mrs. Hawes ...	Milkseller ...	Very small way of business

No. IN REGST	NAME AND SITUATION OF WORKSHOP.	NAME OF		NATURE OF EMPLOYMENT.	GENERAL REMARKS.
		OCCUPIER.	OWNER.		
	Cowkeepers.				
1	Friern Manor Dairy Co., Park Farm, Coppett's Lane	Mr. Taylor ...	Friern Manor Dairy Co. & Smith's Exrs.	Cowkeeper. No. of Cows, 25 ...	In order
4	Oakleigh Park Dairy. Whetstone, N.	Mr. Lane ...	Lord Mount Temple	Cowkeeper. No. of Cows, 203 ...	In order
5	Friern Barnet Road	H. B. Brinkler ...	Dixon's Exors.	Cowkeeper. No. of Cows, 8 ...	
	Bakehouses.				
1	4, Cromwell Buildings	B. W. Marzette ...	W. Flexman ...	Baker ...	Flour stored in Bakehouse
2	4, Alexander Parade	A. Nunn ...	S. Carter ...	Baker ...	In order
3	39, Friern Barnet Road, Underground	Robert Hockey ...	Wallace & Hoc- key	Baker & Con- fectioner ...	Underground Bakehouse Brought up to date far as possible
4	12, Oakleigh Rd. Separate building on ground floor	W. Lee ...	J. Kennedy ...	Baker ...	
5	Friern Barnet Rd. Separate building in mews at rear	Weiss, Frank ...	Percy Young ...	Baker ...	The floor to be kept clean
6	6, Oakleigh Road. Under- ground	Miss. Gilmour ...	Mr. Geo. Ing ...	Baker ...	

NO. IN REGST	NAME AND SITUATION OF WORKSHOP.	NAME OF		NATURE OF EMPLOYMENT.	GENERAL REMARKS.
		OCCUPIER.	OWNER.		
	Factories.				
1	Electrical Works, Sydney Road	R. W. Paul ...	R. W. Paul ...	Photo Films	
2	Pickering's Printing Wks. 113, Friern Barnet Road	Herbt. E. Pickering	R. J. Jelly ...	Printing ...	Improvements carried out.
3	60, Beaconfield Road, in garden of rear, Clarendon Laundry	Mrs. Wildey ...	E. W. Wildey ...	Laundry ...	In order
4	Hampden Engineering Works	The Company ...	Biggs Wall & Co.	Metal Working	In fair order
5	Sydney Road, Joinery	Hudson ...	Hales ...	Joinery ...	In order
	Laundries.				
1	"Windsor" Laundry High-rd., Whetstone, N.	A. McMinn ...	A. McMinn ...	Hand Laundry	
2	11, Sawtry Road	Mrs. Skinner ...	Oram & Robinson	Hand Laundry	Small Washhouse built at the back. In order.
3	"Westby" Laundry, Cromwell Road	Rogers ...	Eaton ...	Hand Laundry	

No. IN REGST	NAME AND SITUATION OF WORKSHOP.	NAME OF		NATURE OF EMPLOYMENT.	GENERAL REMARKS.
		OCCUPIER.	OWNER.		
	Domestic Workshops.				
1	42, Oakleigh Road. ...	Mrs Eliza Pugh ...	Miss A. Mc- Carthy.	Laundry ...	Hand Laundry
2	Friern Barnet Road ...	Mr. Lander ...	Mr. Lander ...	Stone dressing	In order
3	1. Edwards Villas ...	Richardson ...	Ling ...	Hand printing	In a very small way of business
	Slaughterhouses.				
1	High Road & The Mews, Whetstone	Mudd & Friday ...	Mudd & Friday	Slighting Sheep Feasts & Pigs	In order. Now subject to an annual license from L.S.A.
	Workshops.				
1	29—31, Friern Barnet Rd	R. C. Braybrook...	Cleveley's Exors.	Dressmaker and Draper	In order
2	The Mews, Bellevue Rd.		Brown & Sweet- land	Store now occa- sionally used as Workshop	In order. Not used.
3	Avenue Mews, Forge ...	W. Bray & Son ...	Mrs. J. C. Pick- ard ...	Shoeing forge	In order
4	5, Woodland Road ...	Mrs. Turner ...	Mrs. Rice ...	Dressmaking	Accommodation for 9 employees
5	3, Alexandra Parade ...	E. Bruce ...		Bootmaking	
6	5, Green View Villas, Cromwell Road ...	Mrs. Birch ...		Dressmaking	Limited way of business
7	8, Halliwick Parade, ...	Miss Baldry ...		Dressmaking	
8	101, Cromwell Road ...	Joseph Mott ...	Maurice Jones	Boot repairing	

SANITARY INSPECTOR'S ANNUAL REPORT

for Year 1911.

TO THE
CHAIRMAN AND MEMBERS
OF THE
Friern Barnet Urban District Council.

GENTLEMEN,

I beg to submit my report for the Year ending 31st December, 1911, including a summary of the work carried out, in the abatement and suppression of nuisances, the means taken to check the spread of disease, and the supervision of the food supply of the district.

COMPLAINTS.

These numbered 111, and were investigated, 13 related to the non-removal of dust and were handed over to the Surveyor's Department to deal with, four related to matters not remedial under Public Health Law.

NUISANCES.

The number dealt with was 457, of these 431 were abated and 26 unabated on the 31st of December.

The supervision of all works for the abatement of nuisances is carried out by your Inspector.

The number of nuisances causing heavy constructional work to drains, roofs, and yards gets less every year, as the old houses are put in repair, leaving more time for your Inspector to deal with insanitary conditions arising from dirt and overcrowding and to pay more attention to the food supply.

AMBULANCE AND DISINFECTIONS.

Thirteen patients were removed to hospital by your Inspector and one privately. This Authority continues to use the Finchley Ambulance for this purpose, and so long as the amount of disease keeps small in both Districts the arrangement is workable without much delay. In times of stress, however, Friern Barnet has to take second place and loss of time arises in getting the patient away. Our arrangement for isolation of patients with Southgate however, compensates us to some extent, as the time formerly taken in hunting up beds from the surrounding districts' hospitals is now saved. After removal, the room previously occupied by the patient is fumigated with formaldehyde or sulphur dioxide and the walls sprayed with a 1:1000 solution of perchloride of mercury. Where the room requires it, stripping notices are served.

Disinfection is now carried out after Phthisis, cancer and any other disease on request of medical practitioner, and disinfectants supplied to builders and others for vermin killing at cost price,

FACTORY AND WORKSHOPS ACTS.

The inspections of Factories, Workshops and Workplaces, numbered 235. The Sanitary conveniences of two factories have been overhauled, and put into proper condition and sundry nuisances from uncleanness have been abated. Three notices of occupation of new workshops have been received from H.M. Inspector.

Eight names of outworkers have been received from other districts. There are apparently no employers employing outworkers in this district as no lists have been received.

The Bakehouses receive periodical inspection and have been kept fairly well. In two instances flour is stored within the bakehouse, and this greatly reduces the air space available, but so long as the act is not contravened the practice cannot be prevented.

FOOD INSPECTION.

This as in previous years has had special attention. There are 52 premises where food is sold under periodical inspection. The business of fish frying is carried on in two places within the district and in each case the business is well conducted, although the frying ranges are a little out of date. The Council have no bye-laws governing this trade.

During the summer, special attention was given to the ice-cream shops, and 14 samples purchased and subjected to microscopical examination. The itinerant vendor of ice-cream was not observed in the district during the year.

The hawkers of food within the District are well known to your Inspector, and their wares are frequently inspected. In case of doubt, these vendors bring their goods for inspection before offering for sale. It has been necessary to condemn one case of mackerel and two boxes of kippers as unfit for food. I gave a certificate to enable the trader to get a refund of the purchase price in each case, but before doing so, insisted on seeing the invoice or receipt identifying the goods.

There is now only one slaughterhouse in the district, killing days—Mondays and Wednesdays. The premises are subject to annual licence, and your Inspector is present as often as possible. The business is well conducted.

Much of the meat consumed in this district is imported or comes from the London Markets, and has been previously inspected.

SALE OF FOOD AND DRUGS ACTS.

This Act is administered by the County Authorities, but we have an arrangement coming into use in 1912, whereby your Inspector takes informal samples for examination by the Public Analyst.

One sample of milk taken by your Inspector, during the year was found adulterated, the matter was followed up by the County Inspector and a conviction obtained.

PETROLEUM ACTS.

Various applications have been received for information of the conditions attaching to licences for storing petroleum, In one Instance your Inspector, with the Captain of the Fire Brigade, visited some stables where it was intended to store petroleum, but the premises were quite unsuitable and the application was not proceeded with.

STATUTORY NOTICES LEGAL PROCEEDINGS.

Twenty-two statutory notices were served during the year. This is the largest number of this type of notices that has been served in one year since your Inspector has held office, and can only be accounted for by the fact that the persons responsible had difficulty in removing some families, causing overcrowding. In only one instance was it necessary to go to the magistrates, a conviction was obtained and upheld on appeal.

RE-DRAINAGE.

During the year, 13 houses have been re-drained, the number of nuisances from defective drainage becomes less every year, showing that most of the old houses have been re-drained, and put in order, and that owners are finding out that it pays to put in the best of materials and workmanship

There are some however, who regard the requirements of the sanitary authority as exacting, and it needs tact to convince them that it is not what bye-laws require, but what the abatement, and prevention of the recurrence of the nuisance requires that should be considered.

Cast iron for drains is now becoming more usual, and the practice of using light iron pipe for ventilating shafts is extinct.

HOUSE TO HOUSE INSPECTIONS.

This work continues as opportunity serves, and 147 houses were primarily inspected in this manner. The primary object of house to house inspection is to get nuisances abated, and experience shows that this object can only be attained by constant inspection and re-inspection of the same houses. Many of the nuisances arise from ignorance of the elementary principles of hygiene, and a few visits from the Inspector and a talk with the occupiers accomplishes more sanitary improvements than many notices.

There is a tendency to overcrowd some of the small houses in the Avenue district, and 20 cases came under the notice of your Inspector during the year, but so long as rents keep high there will always be this tendency to overcrowd, two or more families sharing the expenses of a house only adapted for one family. The provision of extra W.C's., Sink etc., does not check this overcrowding, but on the other hand seems to encourage it on the principle "The more convenience, the more people to share it and cut down expense."

Advantage has been taken of the new powers conferred by the Housing & Town Planning Act, and two houses have been closed as unfit for human habitation. The provisions of the Act are not so workable as the Nuisance clauses of the Public Health Act, in dealing with small property, and the majority of nuisances found thereon. The Powers of closing however, conferred on the Local Authority by the Housing Act, greatly assist the prompt removal of grossly insanitary conditions. Two closing orders made in 1910 were determined on the owner putting the houses into substantial repair.

CLERICAL WORK.

Your Inspector performs all the clerical work of the Health Department. The following is a list of books now in use :-

Register of Infectious disease (Notification Acts).
 „ „ Tuberculous persons (Tuberculosis Regulations)
 „ „ Nuisances,
 „ „ Samples purchased,
 „ „ Medical Specimens examined,
 „ „ House to House Inspections (one for each ward)
 „ „ Transferred notifications,
 „ „ Notices sent to School Authorities and County M.O.H.

Letter Books,

Report Books,

Statutory Notice Book.

Forms for Statistical returns to L.G.B. and County M.O.H.

The Correspondence received during the year was :—

238	Communications respecting Infectious Disease.
208	„ „ Nuisances,
11	„ „ Factory Acts,
4	„ „ Petroleum Acts,
15	„ „ Analyses,
17	„ „ Notification of Births Act,
14	„ „ Dairies, Cowsheds etc.,
53	„ on general business.

560

In concluding this report I wish to express my thanks for the support of the Public Health Committee and assistance rendered by fellow officers of the Council.

I am, Gentlemen,

Your obedient Servant,

ALBERT HARMAN,

Sanitary Inspector.

COUNTY OF MIDDLESEX.—SANITARY WORK, 1911.

SANITARY DISTRICT, FRIERN BARNET,

Particulars as to Staff employed in Sanitary Department, specify if
Inspectors are in any other duties, if so, what.

One Inspector.

- (1) General Duties.
- (2) Removes patients to Hospital.
- (3) Carries out disinfection.
- (4) Acts as Inspector under the Factory and Petroleum Acts.
- (5) Keeps all books and records and performs the clerical connected with the Public Health Department.

Assistance when drain testing or stripping is required, and is obtained from the Surveyor's Department.

INSPECTIONS.

Number of Premises Inspected on complaint.	...	...	94
Number of Premises Inspected in connection with Infectious Diseases	...	...	325
Number of Premises under Periodical Inspection.	...	...	83
Houses Inspected from House-to-House	...	...	147
Total Number of Inspections and Re-inspections made	...	...	3640

ACTION TAKEN. (OTHER THAN UNDER H. and T.P. ACT).

Cautionary or Intimation Notices Given	...	...	...	197
Statutory Orders Issued	...	...	...	22
Summonses Served	...	...	...	1
Convictions Obtained	...	...	...	1

DWELLING HOUSES AND ACTION UNDER H. AND T.P. ACT, 1909.

Number of Houses dealt with under Sect. 15.	...	...	—
Number of Houses found to be in a state Dangerous or injurious to Health (Sect. 17).	...	...	—
Number of Representations made by Sanitary Inspector.	...	...	2
Number of Houses made Habitable without Closing Orders	...	...	—
Number of Closing Orders made by L.A. (Sect. 17).	...	...	2
Number of Houses closed Voluntarily	...	...	—
Number of Closing Orders Determined after Repairs (Sect. 17).	...	...	2
Number of Houses Demolished (a) by order of L.A. (Sect. 17), (b) Vol'y	...	...	—
Illegal Underground Rooms Vacated	...	...	—

HOUSES LET IN LODGINGS. (TENEMENT HOUSES).

Number Registered under Bye-laws	...	...	...	—
Number of Contraventions.	...	...	...	—

COMMON LODGING HOUSES.

Number Registered under Bye-laws ...	...	...	...	—
Number of Inspections made ...	...	...	...	—
Number of Contraventions ...	...	...	...	—

CANAL BOATS USED AS DWELLINGS.

Number Registered under the Acts ...	..	...	...	—
Number of Contraventions of the Regulations.	...	...	...	—

MOVABLE DWELLINGS, CARAVANS, TENTS, &c.

Number Observed during the Year ...	...	...	...	4
Number of Nuisances therefrom Abated ...	...	...	...	1
Number Removed from District ...	...	...	...	3

BAKEHOUSES.

Number in District ...	...	...	...	6
Contraventions of Factory Acts.	...	...	...	—

SLAUGHTERHOUSES.

Number on Register ...	...	...	...	1
Number of Inspections made ...	...	...	...	120
Frequency of Inspection ...	Twice weekly.	and often times more.	...	—
Contraventions of Bye-Laws ...	...	...	...	—

COW-SHEDS.

Number on Register ...	...	...	...	4
Number of Inspections made ...	...	...	...	36
Frequency of Inspections made ...	...	...	Monthly.	—
Contraventions of Regulations ...	...	...	...	—
Number of Milch Cows in District, ...	...	...	...	50

DAIRIES AND MILKSHOPS.

Number on Register ...	...	...	...	12
Number of Inspections made ...	...	...	...	120
Frequency of Inspection ...	...	...	Monthly	—
Contraventions of Regulations ...	...	...	...	1

UN SOUND FOOD.

Animals Seized ...	...	...	...	—
Articles or Parcels seized ...	...	...	...	—
Animals condemned by Magistrate ...	...	...	...	—
Articles or Parcels Condemned by Magistrate ...	...	...	...	—
Articles or Parcels Surrendered ...	...	...	...	3

ADULTERATED FOOD.

Samples taken (if any) by the District Local Authority.	...	...	...	1
Found adulterated ...	...	...	...	1

OFFENSIVE TRADES.

Number of Premises in District ...	...	...	...	—
Number of Inspections made ...	...	...	...	—
Contraventions of Bye-Laws ...	...	...	...	—

WATER SUPPLY AND WATER SERVICE.

WELLS—New Sunk	...	...	...	...	...	—
Cleansed, Repaired, &c.,	...	...	...	...	...	—
Closed as Polluted	...	...	...	...	...	—
Percentage of Houses Supplied from Public Water Service	...	...	...	...	...	100
CISTERNS New Provided	...	...	...	...	...	2
Cleansed Repaired, Covered, &c.,	...	...	...	...	...	18
Draw-Taps placed on Mains	...	...	...	...	...	2
Percentage of Houses supplied on the Constant System	...	...	...	...	...	100
Number of Samples obtained for analysis, (a) from Local Wells	...	...	...	...	...	—
(b) from Public Supply	...	...	...	...	...	—

DRAINAGE AND SEWERAGE OF EXISTING BUILDINGS.

WATER CLOSETS.—Number of Water Closets substituted for Dry	...	...	...	...	...	—
Receptacles	...	...	...	...	...	—
Repaired, Supplied with Water, or otherwise improved...	...	...	...	...	...	34
Percentage of Houses provided with Water Closets	...	...	...	...	...	100
DRAINS—Examined, Tested, Exposed, &c.	...	...	...	...	...	75
Unstopped, Repaired, Trapped, &c.	...	...	...	...	...	27
Waste Pipes, Rain Water Pipes Disconnected, Repaired, &c.	...	...	...	...	...	2
New Soil Pipes or Ventilating Shafts fixed	...	...	...	...	...	8
Existing Soil Pipes or Ventilating Shafts Repaired	...	...	...	...	...	4
Disconnecting Traps or Chambers Inserted	...	...	...	...	...	19
Reconstructed	...	...	...	...	...	11
CESSPOOLS—Rendered Impervious, Emptied, Cleansed, &c.	...	...	...	...	...	—
Abolished, and Drain connected to Sewer	...	...	...	...	...	—
Percentage of Houses Draining into Sewers	...	...	...	...	...	100

DISINFECTION.

Rooms Disinfected—Ordinary Infectious Diseases	...	...	...	...	...	33
Phthisis	...	...	...	...	...	8
Rooms Stripped and Cleaned	...	...	...	...	...	28
Articles Disinfected or Destroyed—Ordinary Infectious Disease	...	...	...	...	...	649
Phthisis	...	...	...	...	...	158

DUST.

New Bins provided	...	...	...	...	...	—
How frequently is dust removed from each house?	...	...	...	...	Weekly	—
Number of Complaints of Non-removal received	...	...	...	...	...	13
Method of Disposal—(a) Destructor, (b) by Tipping on Sewage	...	...	...	...	...	—
Farm, (c) Other, state method	...	...	...	...	...	—

SUNDRY NUISANCES ABATED.

Overcrowding	...	...	...	...	...	20
Smoke	...	...	...	...	...	1
Accumulations of Refuse	...	...	...	...	...	25
Foul Ditches, Ponds, &c., and Stagnant Water	...	...	...	...	...	4
Foul Pigs and other Animals	...	...	...	...	...	4
Dampness	...	...	...	...	...	31
Yards Repaved or Repaired...	...	...	...	...	...	30
Other Nuisances	...	...	...	...	...	77

ALBERT HARMAN, *Sanitary Inspector..*

MEMORANDUM.

Members of the Council.

J. C. F. BARFIELD, J.P.	(Chairman of the Council and General Purposes Committee.)
ROBERT BIDGOOD.	(Chairman of Farm Committee.)
JOHN COOPER.	(„ Fire „)
JOHN R. PANK.	
GEORGE FOSTER.	
GEORGE HARMER.	
T. C. JACKSON, B.A., LL B.	(Vice-Chairman of the Council)
ANDREW K. LANDER.	
ARTHUR LORD, C.C.	(„ Legal and Finance Committee.)
JOSEPH SHIPLEY.	(„ Public Health and Lighting Committee.)
EDWIN K. WILTON.	(„ Plans (Sub.) „)
R. R. WILCOX.	
SYDNEY SIMMONS, J.P.	(Co-opted member) Chairman of Parks Committee.)

Officers.

EDWIN GOODSHIP,	Clerk of the Council.
E. J. REYNOLDS, A.M.I.C.E.	Engineer and Surveyor.
F. A. SPREAT, F.R.C.S., D.P.H.	Medical Officer of Health.
ALBERT E. KENNEDY,	Treasurer.
WALTER J. CLARKE,	Rate Collector.
ALBERT G. HARMAN,	Inspector of Nuisances.
J. WICKENS,	Park Superintendent.
JOHN HUNT,	Chief Officer of Fire Brigade.

Population—Census, 1901	...	11,566
„ Census, 1911	...	14,925
Acreage	...	1,304.

Assessable Value of District, December 31st, 1911	£82,226	0	0
Rateable " " " "	87,038	0	0
Amount of Borrowing Powers	164,452	0	0
Loans outstanding 31st December, 1911	32,293	0	0
Balance of Borrowing Powers	£132,159	0	0
Total amount borrowed for all purposes	£122,986	0	0
" " paid off 31st December, 1911	£90,693	0	0
General District Rate ... 3s. 6d. in the £			
Poor Rate 3s. 6d. ,,			
One Penny in the £ produces £315 : 0 : 0.			

PROPERTY OF COUNCIL.

Sewerage Works and land, $26\frac{1}{4}$ acres [including $2\frac{1}{2}$ acres allotment land.]
 Freehold land corner of Hartland Road.
 Council Offices and garden, The Priory, Friern Barnet Road.
 The Friary Park, Friern Lane.
 Ely Place Pumping Station, Oakleigh Road, S.

LENGTH OF PUBLIC HIGHWAYS ... 9 miles $1\frac{3}{4}$ fur.

COLLECTION OF RATES.

The Rate Collector attends at the Offices on Mondays from 10.0 a.m. to 1.0 p.m., and on Fridays, 3 p.m. to 6 p.m.

COUNCIL MEETINGS—The first Friday in every month.

COMMITTEE MEETINGS—Last Friday in each month.

Other Meetings are held as may be required.

EDWIN GOODSHIP,

April, 1912.

Clerk of the Council.

1. The first part of the paper is devoted to a general discussion of the problem.

2. In the second part, we shall consider the case of a single particle.

3. The third part is devoted to the case of a system of particles.

4. In the fourth part, we shall consider the case of a continuous medium.

5. The fifth part is devoted to the case of a system of continuous media.

6. In the sixth part, we shall consider the case of a system of particles and continuous media.

7. The seventh part is devoted to the case of a system of particles and continuous media.

8. In the eighth part, we shall consider the case of a system of particles and continuous media.

9. The ninth part is devoted to the case of a system of particles and continuous media.

10. In the tenth part, we shall consider the case of a system of particles and continuous media.

11. The eleventh part is devoted to the case of a system of particles and continuous media.

12. In the twelfth part, we shall consider the case of a system of particles and continuous media.

13. The thirteenth part is devoted to the case of a system of particles and continuous media.

14. In the fourteenth part, we shall consider the case of a system of particles and continuous media.

15. The fifteenth part is devoted to the case of a system of particles and continuous media.

16. In the sixteenth part, we shall consider the case of a system of particles and continuous media.

17. The seventeenth part is devoted to the case of a system of particles and continuous media.

18. In the eighteenth part, we shall consider the case of a system of particles and continuous media.

19. The nineteenth part is devoted to the case of a system of particles and continuous media.

20. In the twentieth part, we shall consider the case of a system of particles and continuous media.