

**[Report 1921] / Medical Officer of Health, Watford U.D.C.**

**Contributors**

Watford (England). Urban District Council.

**Publication/Creation**

1921

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FORTY-NINTH

# ANNUAL REPORT

on the

## Sanitary Condition

of the

## Urban District of Watford

For the Year 1921.



BY

**DR. WILLIAM GRUGGEN, D.P.H.,**

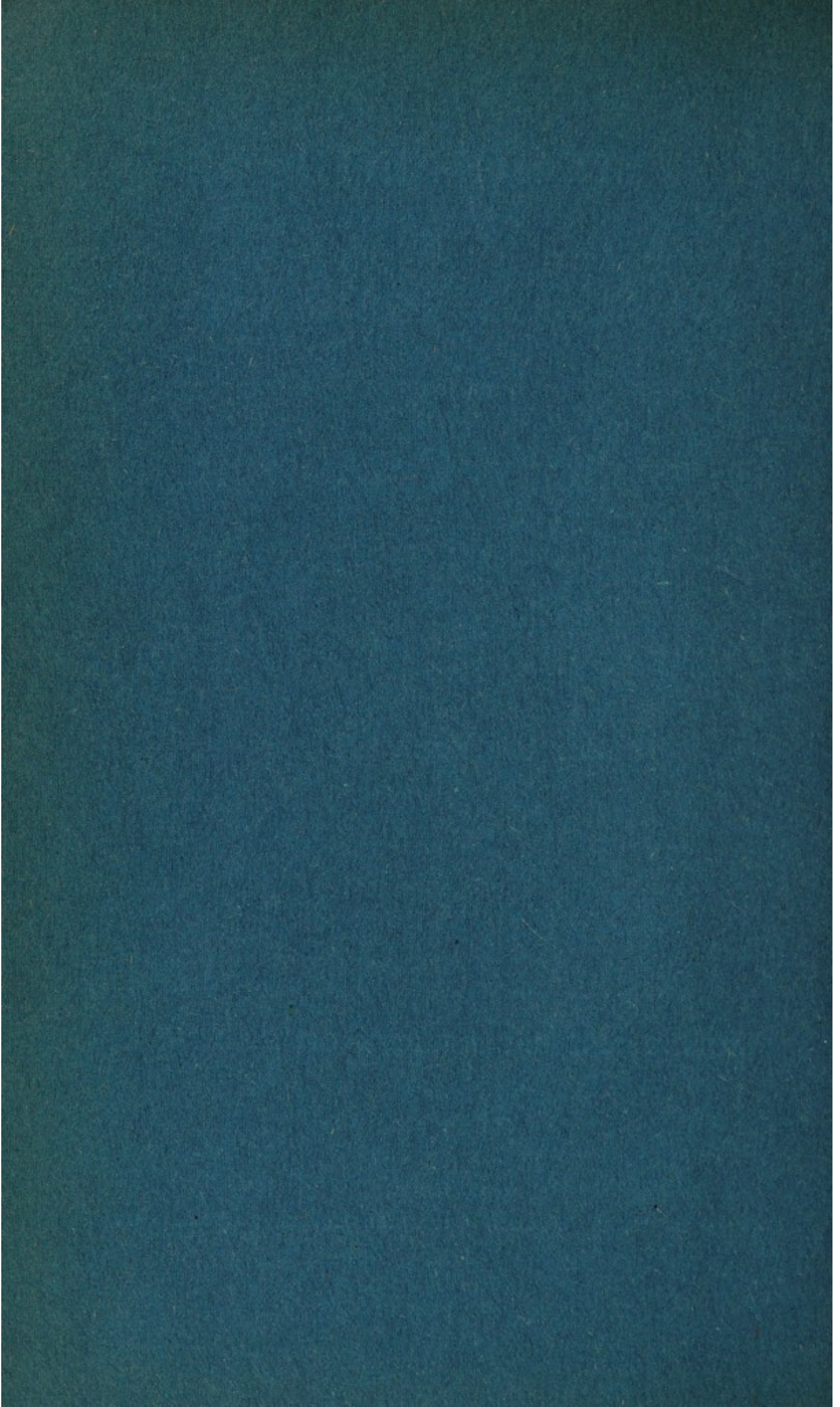
ACTING MEDICAL OFFICER OF HEALTH.



WATFORD:

PRINTED BY T. C. WARREN, CROMWELL HOUSE, SUTTON ROAD,  
1922.







# Report on the Sanitary Condition

OF THE

## Urban District of Watford.



TO THE CHAIRMAN AND MEMBERS OF THE WATFORD  
URBAN DISTRICT COUNCIL.

GENTLEMEN,

It has fallen to my lot as Acting Medical Officer of Health to prepare the Annual Report for this year.

Your late Medical Officer of Health, Dr. Arthur King, was taken ill in June and asked me to act for him in any way that was necessary, which I willingly did. Dr. King died on the 7th September and I was appointed Acting Medical Officer of Health on 21st September.

This report is compiled in accordance with the instructions of the Ministry of Health.

I cannot let this opportunity pass without paying a tribute to the high standard of the work carried out by your late Medical Officer of Health.

I was for many years in touch with him and had many conversations with him on matters concerning public health and I have the highest opinion of his work as a Medical Officer of Health.

One has only to read his Annual Reports to see the amount of time and thought given to the public health work of the District, and one can only regret that he did not live to see his recommendations carried out.

The district has sustained a great loss from the point of view of public health.

# WATFORD URBAN DISTRICT.

## ANNUAL REPORT 1921.

### I. GENERAL STATISTICS.

Area—2240 acres.

Population (1921)—45,910.

Number of inhabited houses.—not available.

Number of families or separate occupiers—not available.

Rateable value—£243,946 5s. 0d.

Sum represented by a penny rate—£894.

### II. EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1921.

	Total.	M.	F.	
Births	Legitimate 852	436	416	} Birth rate 19.3 (R.G.)
	Illegitimate 38	18	20	

Deaths—426.                      Death Rate 9.2 (R.G.)

Number of Women dying in or in consequence of child birth

From Sepsis                      1

Other causes                      4

Deaths of Infants under one year of age, per thousand births.

Legitimate                      37.05

Illegitimate                      157.8

Total                              42.69

Deaths from measles (all ages)                      0

Deaths from whooping cough (all ages)                      1

Deaths from diarrhoea (under two years)                      5



CAUSES OF DEATH IN WATFORD DISTRICT  
FOR THE YEAR 1921.

**Civilians only.**

CAUSES OF DEATH.					Males.	Females
<b>All Causes</b>	...	...	...	...	<b>220</b>	<b>206</b>
1	Enteric Fever	...	...	...	—	1
2	Smallpox	...	...	...	—	—
3	Measles	...	...	...	—	—
4	Scarlet Fever	...	...	...	—	—
5	Whooping Cough	...	...	...	—	1
6	Diphtheria	...	...	...	—	1
7	Influenza	...	...	...	5	5
8	Encephalitis Lethargica...	...	...	...	1	—
9	Meningococcal Meningitis	...	...	...	—	—
10	Tuberculosis of Respiratory System	...	...	...	23	15
11	Other Tuberculous Diseases	...	...	...	4	3
12	Cancer, Malignant Disease	...	...	...	16	30
13	Rheumatic Fever	...	...	...	1	—
14	Diabetes	...	...	...	—	2
15	Cerebral Hæmorrhage, etc.	...	...	...	10	17
16	Heart Disease	...	...	...	26	22
17	Arterio-sclerosis	...	...	...	6	1
18	Bronchitis	...	...	...	15	19
19	Pneumonia (all forms)	...	...	...	12	8
20	Other Respiratory Diseases	...	...	...	2	4
21	Ulcer of Stomach or Duodenum	...	...	...	1	—
22	Diarrhœa, etc. (under 2 years)	...	...	...	4	1
23	Appendicitis and Typhlitis	...	...	...	4	2
24	Cirrhosis of Liver	...	...	...	1	—
25	Acute and chronic Nephritis	...	...	...	5	6
26	Puerperal Sepsis	...	...	...	—	1
27	Other Accidents and Diseases of Pregnancy and Parturition	...	...	...	—	4
28	Congenital Debility and Malformation, Premature Birth	...	...	...	14	8
29	Suicide	...	...	...	6	2
30	Other Deaths from violence	...	...	...	6	4
31	Other defined Diseases	...	...	...	58	48
32	Causes Ill-defined or Unknown	...	...	...	—	1
Special Causes (included above)						
	Poliomyelitis	...	...	...	—	—
	Polioencephalitis	...	...	...	—	—
Deaths of Infants under 1 year						
{ Total					25	13
{ Illegitimate					4	2
Total Births					454	436
Legitimate					436	416
Illegitimate					18	20
Population					46,002.	

DEATHS UNDER ONE YEAR.

CAUSE.	Under 1 Month.	1 to 3 Months.	3 to 6 Months.	6 to 9 Months.	9 to 12 Months.	TOTAL.
Influenza ... ..	—	—	—	—	1	1
Congenital Cardiac ... ..	1	—	—	—	—	1
Bronchitis ... ..	1	—	2	1	—	4
Pneumonia ... ..	—	—	1	—	—	1
Diarrhoea ... ..	—	—	3	—	—	3
Congl. Debility and Malformation Premature ... ..	19	1	—	—	—	20
Convulsions ... ..	—	1	—	—	1	2
Other Tuberculous Diseases ... ..	—	1	—	—	—	1
Umb. Hernia ... ..	—	—	1	—	—	1
Icterus Neo. ... ..	1	—	—	—	—	1
Atalectiasis ... ..	1	—	—	—	—	1
Congenital Syph....	1	—	—	1	—	2
Totals ... ..	24	3	7	2	2	38



## III. NOTIFIABLE DISEASES DURING THE YEAR.

DISEASES.				Total cases notified.	Cases admitted to Hospital	TOTAL DEATHS
Diphtheria	...	...	...	36	34	1
Scarlet Fever	...	...	...	181	149	—
Enteric Fever	...	...	...	12	6	1
Puerperal Fever	...	...	...	—	—	—
Pneumonia	...	...	...	18	—	20
Erysipelas	...	...	...	24	2	—
Encephalitis Lethargica	...	...	...	2	2	1
Malaria	...	...	...	—	—	—
Cerebro-Spinal Fever	...	...	...	—	—	—
Poliomyelitis	...	...	...	—	—	—
Typhus Fever	...	...	...	—	—	—
Smallpox	...	...	...	—	—	—
Cholera	...	...	...	—	—	—
Plague	...	...	...	—	—	—
Continued Fever	...	...	...	—	—	—
Relapsing Fever	...	...	...	—	—	—
Tuberculosis						
PULMONARY	M.	...	...	53	21	23
	F.	...	...	36	13	15
	TOTAL	...	...	89	34	38
NON-PULMONARY	M.	...	...	7	6	4
	F.	...	...	10	3	3
	TOTAL	...	...	17	9	7

Excess over notified cases chiefly through secondary causes.



CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1921.  
WATFORD URBAN DISTRICT.

NOTIFIABLE DISEASES.	Cases notified in whole District.													Total cases notified in each locality					Total cases removed to Hospital			
	At all ages	At ages												Kings	Queens	St. Andrews	Callowland	Oxhey				
		under 1	1 year	2 years	3 years	4 years	5 years	10 years	15 years	20 years	35 years	45 years	65 years & up									
Small Pox	...																					
Cholera	...																					
Plague	...																					
Diphtheria (including Membraneous Group)	36				4	5	10	6	8	2	1							8	4			
Erysipelas	24	2				1		2	1	8	6	4						3	2			
Scarlet Fever	181		1	2	2	5	87	48	11	7								20	41			
Typhus	...																					
Enteric Fever	12					3	1	2	1		4	1						1				
Relapsing Fever	...																					
Continued Fever	...																					
Cerebro Spinal Meningitis	...																					
Puerperal Fever	...																					
Polomyelitis	...																					
Encephalitis Lethargica	2										1	1										
Ophthalmia Neonatorum	7		7															1	1			
Pneumonia	18		3	1		1			6	2	3							6	3			
Malaria	...																					
<b>TOTALS</b>	280	12	2	2	3	10	96	59	29	20	15	5					127	38	25	39	51	193

## OPHTHALMIA NEONATORUM.

	Cases.			Vision Unimpaired.	Vision Impaired.	Total Blindness.	Deaths.
	Notified.	Treated.					
		At Home.	At Hospital.				
Ophthalmia Neonatorum	7	7	nil.	7	nil.	nil.	nil.

## MEASLES.

No comment necessary.

## WHOOPIING COUGH.

There was one death from this disease, but as far as one could ascertain there was not a large number of cases.

## DIARRHŒA.

There were five deaths from Diarrhœa in children under two years of age. Considering the number of cases that came to our knowledge the result was very satisfactory and is largely accounted for by the work done at the Maternity and Child Welfare Centre, and there is no doubt that the system of spraying all the manure pits during the summer months tends greatly to reduce the breeding of the house-fly.

## ENTERIC FEVER.

*The following is a Copy of Reports on Outbreak of Enteric Fever, submitted to the Public Health Committee on September 27th, by Mr. S. Jump, Sanitary Inspector, and Dr. W. Gruggen, Acting Medical Officer of Health, and also sent to the Ministry of Health.*



## Outbreak of Enteric Fever.

On September 13th a case was notified, and on making enquiries it was found that the patient had been away for a holiday in Buckinghamshire, and as there was a possibility of the infection having been picked up in this way, I communicated with the Sanitary Authority of the district, with a view to finding out if possible the source of the infection. Later the same day a child aged five years was notified as suffering from Enteric Fever and in this case the patient had been away for a holiday to Leicester and I adopted the same course as in the first case. Both cases had the same milk supply, but as at this time we had only the two cases, both of which had been away, I did not suspect the milk supply.

On September 17th a boy of 16 was notified and in this case there was no history of his having been away from Watford, but the milk supply was the same as in the two previous cases. On the 19th another notification of a child aged 11 was received and the milk supply was again the same. I then felt that in these four cases there was something in common and that was the milk supply. I communicated the fact to Dr. H. Thompson, County M.O.H., for Hertfordshire, and also to Dr. Holden, County M.O. H., for Buckinghamshire, from whose district the milk supply was being sent to Watford and also interviewed the workers to see if there was a possibility of any suspicious illness which might be the source of infection, but I was unable to trace any. The question of sterilising the milk vessels and cleanliness at this dairy are quite satisfactory.

On Tuesday the 19th I arranged to take samples of milk from the two farms suspected, and this was done and the samples submitted to Drs. Thresh and Beale for analysis, the result of which is now known.

On the 20th two further cases were notified, on the 21st one and on the 23rd one making a total of eight cases in this district, and all with one common milk supply.

On Wednesday, the 21st September, Dr. W. Gruggen was appointed Acting M.O.H., and he is reporting on the work done with regard to this outbreak from this date.

(Signed) S. JUMP,

*Sanitary Inspector,*



## REPORT OF THE ACTING MEDICAL OFFICER OF HEALTH.

GENTLEMEN,

I have to report that cases of Enteric Fever have recently occurred in the district. As cases of this disease are rare in this town, and as these cases had only one thing in common, namely the same milk supply, the Sanitary Inspector took steps to ascertain the source of this supply. He then took samples of the milk on arrival in Watford and forwarded them to Drs. Thresh and Beale; he communicated with the Medical Officer of Health of the County where the milk is produced and our own County Medical Officer of Health.

Then the question arose as to stopping the milk supply, and the milk-seller agreed to stop the supply he was then having, and obtain milk from another source.

The Herts. County M.O.H., the Sanitary Inspector and I visited the milk sellers premises in Watford and found that most careful precautions were taken to sterilise by means of high pressure steam all vessels used in connection with the milk.

The Medical Officer of Health of the County in which the milk is produced examined all the milkers on the farm in order to ascertain if any of them might be a carrier of the disease and have possibly in some way contaminated the milk.

On Saturday, September 24th, I drove over with the Sanitary Inspector and visited the farm where the milk was produced, and conferred with the occupier of the farm and others.

We found the sheds clean and in good condition, and the cows clean. The water supply is from a deep well which is pumped into a cistern for use in the dairy.

Whilst in the village we got into communication with the County M.O.H., and he told us there was a suspicion about one of the milkers but that a further examination would be required which he proposed to undertake the next day, the results of which would be available on Tuesday or Wednesday.

We also found that a case of Enteric Fever had been removed to hospital from the farm house.

Samples of water are being taken from the well at the farm for bacteriological examination.

Up to the present time eight cases have occurred in the district traceable to this source and two cases outside the district.

I am inclined to believe that the infection of the milk must have taken place about August 20th and that it only lasted for a short time, and I am hoping that we are at the end of the cases.

(Signed) WILLIAM GRUGGEN.

*Acting Medical Officer of Health,*



**Summary (for reference) of  
Nursing Arrangements, Hospitals and other  
Institutions, available for the District.**

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Besides the Joint Isolation Hospital, which is reported on later, there are the Watford District Hospital and the Union Infirmary situated in the town.

Both are excellent institutions, excellently managed, but the former's beds are not enough for the requirements of the district, and some of the cases that would go there are received into the latter where there is more accommodation.

The building of a much larger Hospital is contemplated; the site has been brought, and a substantial sum of money subscribed.

There are in addition an electrical and massage hospital, started originally for ex-soldiers, but now open to the public at a moderate fee; and the Maternity Ward in connection with the County Nursing Association's Home.

**MIDWIVES.**

This branch of work is carried out by the County Council.

**CLINICS AND TREATMENT CENTRES.**

Name.	Address.	When held.	Whether provided by the Council or not.
The Hut, Little Nascot	St. Albans Road	Ante-natal, once weekly. Consultation and weighings, twice weekly.	yes
Little Nascot	St Albans Road.	Resident Home for babies.	yes
Little Nascot	St Albans Road.	Dental Clinic twice weekly.	County Council
Nursing Home	King Street	Maternity Ward	County Council
Tuberculosis Dispensary	Council Offices	Adults, one weekly. Children, one fortnightly	County Council



## VENEREAL DISEASES.

This work is undertaken by the County Council.

### AMBULANCE FACILITIES.

- |     |   |  |
|-----|---|--|
| (a) | Infectious diseases                     | Motor Ambulance at Isolation Hospital.     |
| (b) | For non-infectious and accidental cases | Motor Ambulance controlled by the Council. |

## VI. LABORATORY WORK.

The examination of swabs for diphtheria is carried out in the Council's laboratory at the Public Health Offices, by the Medical Officer of Health.

The number examined during the year was 142 of which 46 were positive.

Sputum examinations for Tubercle Bacilli are undertaken by the County Council.

The examination of milk samples and of the water supply are done by Drs. Thresh and Beale, Counties Public Health Laboratories, London.

Anti-diphtheric and other serum are supplied to medical men, free of charge, for necessitous cases in the district.

## LIST OF ADOPTIVE ACTS, BYE-LAWS AND LOCAL REGULATIONS RELATING TO THE PUBLIC HEALTH IN FORCE, IN THE DISTRICT, WITH DATE OF ADOPTION.

The under-mentioned Acts have been adopted in the Watford Urban District :—

- The Infectious Disease (Notification) Act, 1889.
- The Infectious Disease (Prevention) Act, 1890.
- The Public Health Acts Amendment Act, 1890.
- The Baths & Wash-houses Acts.
- The Private Street Works Act, 1892.
- The Public Health Acts Amendment Act, 1907 (part).
- The Notification of Births Act, 1907.

The following Local Act and Orders are in force in the Watford Urban District :—

- The Watford Urban District Council Act, 1909.



The Urban Council have made bye-laws or Regulations for the following matters:—

- New Streets and Buildings.
- The cleansing of footways and pavements.
- Nuisances.
- Common Lodging Houses.
- Slaughter Houses.
- Pleasure Grounds.
- Bathing Place.
- Houses let in lodgings.
- Offensive Trades.
- Water Supply.
- Commons.
- Dairies, Cowsheds and Milkshops.

## MATERNITY AND CHILD WELFARE.

During the year 1921, the work at the centre was greatly increased, although the number of individual children brought for the first time was not quite so many as in 1920, but the attendances were many more.

The number of expectant mothers who attended increased to 175 as against 41 in 1920. This is very encouraging, the mothers evidently realising the benefit and help it is to them.

The health of the children was good, and although there are a great many cases of infantile diarrhoea, only two deaths occurred. With regard to the prevention of this disease, we have talks to the mothers on the dangers of flies and dirty milk etc.; we distribute leaflets on these subjects; muslin milk covers, (made by the children of one of the Elementary schools), are sold at the Centre, and all the dried milk supplied where necessary, have all helped to prevent the spread of infantile diarrhoea,

I am glad to say that the percentage of breast feeding has considerably increased.

The appended table gives particulars of the work carried out during the year.

### Benevolent Fund.

During the year the money collected for the benevolent fund to help necessitous cases was £2 1s. 7d.

This amount was expended on the purchase of eggs etc., in helping towards the cost of surgical instruments, and also woollen material was purchased, made up into garments, and distributed to suitable cases at Christmas time.

## REPORT OF THE WORK CARRIED OUT BY THE HEALTH VISITORS DURING THE YEAR 1921.

Number of Births notified by	
(a) Medical Practitioners	203
(b) Midwives	623
Number of Births received from the Registrar, not having been previously notified	
... ..	90
Total number of births	916

Thirty-five of the above were still-born, and thirty eight were illegitimate.

Number of first visits paid to births	771
„ re-visits paid during the first year	2334
„ visits paid to children between one and five years of age	641
„ ante-natal visits paid	195
„ mothers on the register attending the consul- tation centre during 1921, for advice and weighing of children	860
„ children brought to the centre for the first time	495
„ children seen by the doctor for the first time	340
Total number of weighings	5148
Average weekly attendance	99
Total number of doctor's consultations	961
Average weekly attendance	18.4
Number of mothers who attended the needlework and knitting classes	80
Number of attendances	757
Number of Mothers that attended the ante-natal clinic	175
Total attendances	454
Number of cases that were helped with milk	67
Number of cases sent from the clinic to the massage centre for treatment	9

as follows :

Rickets	3	Talipes	3
Wry Neck	1	Infantile Paralysis	2

G. HAMMOND,

*Health Visitor.*



## JOINT ISOLATION HOSPITAL REPORT.

The number of Patients admitted to the Hospital during 1921 was higher than in the previous year being 320 compared with 291 in 1920.

It will be seen in the table that 251 cases of scarlet fever were sent to the hospital compared with 240 during the previous twelve months, while the 1920 figure for diphtheria of 47 was increased to 57 in 1921.

The death rate of the patients in hospital was 2.34 per cent.

The following is a summary of the year's work.

In Hospital, 1st January, 1921	...	...	22
Cases admitted from Watford Urban District	...	...	193
"    "    "    Rural    "	...	...	38
"    "    "    Rickmansworth Urban District	...	...	8
"    "    "    Bushey Urban District	...	...	61
"    "    "    Chorleywood Urban District	...	...	20
<b>Total</b>			342
Patients discharged—cured—during 1921	...	...	285
"    died in Hospital	"    "	...	8
"    still in Hospital, 1st January, 1922	...	...	49
<b>Total</b>			342

The forty nine cases in Hospital, 1st January, 1922, consisted of 40 scarlet fever, 8 diphtheria and 1 erysipelas.

TABLE SHEWING DISTRIBUTION OF DISEASES AMONGST  
THE DIFFERENT DISTRICTS.

District.	Scarlet Fever.	Diphth- eria.	Enteric Fever.	Erysipe- las.	Enceph. Letharg.	Totals.
Watford Urban ...	149	34	6	2	2	193
Watford Rural ...	21	17	—	—	—	38
Bushey Urban ...	56	4	1	—	—	61
Rickmansworth Urban	7	—	—	1	—	8
Chorleywood Urban ...	18	2	—	—	—	20
Totals	251	57	7	3	2	320





**REPORT OF THE WORK  
CARRIED OUT BY THE SANITARY INSPECTORS  
DURING THE YEAR 1921.**

Visits to Common Lodging Houses.	...	...	...	64
„ Courts and Alleys	...	...	...	505
„ Infected Houses	...	...	...	958
„ „ „ Special Enquiries	...	...	...	92
„ Work in Progress	...	...	...	2116
Houses Inspected	...	...	...	505
„ re-Inspected	...	...	...	157
„ Inspected (Housing Acts)	...	...	...	222
„ re-Inspected „ „	...	...	...	82
„ Inspected Rents Act	...	...	...	37
„ re-Inspected „ „	...	...	...	7
Special Enquiries <i>re</i> Housing	...	...	...	871
Worshops Inspected	}	...	...	242
Bakehouses „				
Factories „				
Inhabited Vans Inspected	...	...	...	10
Urinals Inspected	...	...	...	46
Manure Pits Inspected and sprayed	...	...	...	2023
Visits to Schools <i>re</i> Infectious Disease	...	...	...	60
Nuisances Investigated	...	...	...	702
Miscellaneous Visits	...	...	...	809
House Drains Tested	...	...	...	51
Scavenging Superintended	...	...	...	
Inspections <i>re</i> Petroleum Acts	...	...	...	97
„ „ Sanitary Condition of Theatres, etc.	...	...	...	12
Preliminary Notices Served	...	...	...	547
Legal Notices Served	...	...	...	11
School Notices Served after Infectious Disease	...	...	...	242
Number of Letters Sent...	...	...	...	898
Number of Complaints Received...	...	...	...	708
Number of Licenses granted under Petroleum Acts...	...	...	...	45
Cowsheds and Dairies Inspected...	...	...	...	46

Milkshops Inspected	...	...	...	...	...	347
Slaughter House Visits...	...	...	...	...	...	1977
Visits to Market	...	...	...	...	...	291
„ <i>re</i> Offensive Trades	...	...	...	...	...	43
„ to Food Preparing Places	...	...	...	...	...	169
„ to Butchers Shops	...	...	...	...	...	561
„ <i>re</i> Shops Act	...	...	...	...	...	35
„ <i>re</i> Rats and Mice Act	...	...	...	...	...	29
„ <i>re</i> Overcrowding	...	...	...	...	...	43
„ to Allotments <i>re</i> Pig keeping	...	...	...	...	...	32
„ <i>re</i> Smoke Nuisances	...	...	...	...	...	6
„ to Watercress Beds	...	...	...	...	...	4



TABLE SHOWING EXTENT OF TUBERCULOSIS PROCESS IN ANIMALS EXAMINED, YEAR ENDING  
DECEMBER 31st, 1921.

Kind of Animal.	Number Examined.	Of which were Tuberculous.	Hinds.	Thorax.			Abdomen.								Udders.	Entire Carcases Condemned owing to Tuberculosis.
				Lungs.	Hearts and Pericardium.	Serous Membranes.	Livers.	Stomachs.	Spleens.	Kidneys.	Intestines.	Uteri.	Serous Membranes.	Mesentery.		
Beasts	2707	{ 80 Cows 3 Heifers 20 Bullocks ————— 103	65	96	27	39	41	14	31	21	4	—	36	31	7	33 Cows 2 Heifers 7 Bullocks ————— 42
Sheep	6749	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pigs	5197	15	15	16	8	6	14	—	7	5	—	—	4	7	—	6 Pigs
Calves	2832	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	17,485	118	80	112	35	45	55	14	38	26	4	—	40	38	7	48

## FOOD INSPECTION.

### Total number of animals examined.

Beasts	Sheep	Pigs	Calves
2707	6649	5199	2844

### Condemned and Destroyed.

200½ st. English Beef.
1737 st. Frozen Beef.
42 Beasts and all Organs.
3 Calves and all Organs.
10 st. Veal.
89 st. Frozen Veal.
76 Beasts' Lungs.
117 „ Livers.
29 „ Udders.
40 „ Heads.
35 „ Tongues.
5 Sheep and all Organs.
299½ st. Frozen Mutton.
10 Sheep's Plucks.
18 „ Heads.
7 Pigs and all Organs.
2 st. Pork
1 side „
9 Pigs Heads.
9 „ Plucks.
11 Tins Tongue.
250 „ Preserved Meat.
4 cwt. Bacon.
60 Rabbits.
1 Crate Rabbits
18 Boxes Haddocks.
11 „ Herrings.
2 „ Cod.
2 „ Mackerel.
2 „ Witches,



1 st. Skate.  
 42½ st. Mixed Fish.  
 6 st. Cod.  
 28 st. Haddocks.  
 82 tins Salmon.  
 2 Bags Winkles.  
 25 lbs. Butter.  
 54 Tins Milk.  
 7 „ Apricots.  
 7 Boxes Tomatoes.  
 14 „ Oranges.  
 10 „ Grapes.  
 1 Crate Bananas.  
 1½ cwt. Apples.  
 8 Boxes „  
 5 Barrels „  
 15 cwt. Potatoes.  
 10 Bags Chestnuts.

### NUISANCES.

	Abated	Outstanding
Defective Drains ... ..	26	2
Choked Drains ... ..	107	—
„ W.C.'s ... ..	63	—
„ Gullies ... ..	43	—
Defective Inspection Chambers ...	14	1
„ Interceptors ... ..	3	1
„ W.C.'s ... ..	67	7
„ W.C. Flushing Fittings ...	58	4
„ Soil Pipes ... ..	8	—
„ Vent „ ... ..	7	—
„ Gullies ... ..	28	—
„ Sinks ... ..	10	1
„ Sink Waste Pipes ...	28	2
„ Eaves, Guttering and Rain Water Pipes ... ..	84	3

	Abated	Outstanding
Defective Fresh Air Inlets ... ..	9	—
„ Roofs ... ..	73	3
„ Doors ... ..	32	—
„ Floors ... ..	78	4
„ Steps ... ..	5	—
„ Cellar Flaps ... ..	2	1
„ Staircases ... ..	14	—
„ Ceilings Plastering... ..	93	8
„ Coppers ... ..	40	2
„ Chimneys and Fireplaces ...	13	1
„ Window Frames and sash Cords ... ..	78	3
„ Cooking Rangers ... ..	33	3
„ Brickwork ... ..	26	1
Houses White-washed, etc. ... ..	317	61
Yard Paving Repaired ... ..	21	—
Offensive Accumulations ... ..	18	—
Filthy Houses, etc. ... ..	4	—
Dampness Remedied ... ..	168	12
Dirty Closets and Yards ... ..	21	—
Overcrowding ... ..	1	—
Workshops Lime-washed ... ..	89	—
General Repairs, etc ... ..	241	41
Poultry and Animals Improperly kept	8	—
Dustbins Provided ... ..	61	6
Extermination of Rats ... ..	3 Houses.	

### DISINFECTION, ETC.,

Rooms after Infectious Disease ... ..	280
„ „ Consumption ... ..	57
„ „ Cancer ... ..	25
„ For Vermin ... ..	26
School Rooms After Infectious Disease	40
Hospital Wards, etc. Disinfected ... ..	11



## BEDDING, ETC., DISINFECTED.

Palliasses ... ..	9	Curtains ... ..	4 Pairs
Mattresses ... ..	128	Carpets ... ..	9
Beds ... ..	64	Cloaks ... ..	2
Bed Covers ... ..	12	Wraps ... ..	5
Pillows ... ..	128	Coats ... ..	18
Bolsters ... ..	90	Boys Suits ... ..	2
Blankets ... ..	302	Caps ... ..	3
Sheets ... ..	65	Rugs ... ..	16
Bed Quilts ... ..	69	Dresses ... ..	2
Counterpanes ... ..	45	Sundries ... ..	42
General Body Linen	69	Eiderdowns ... ..	17
Shawls ... ..	29	Cushions ... ..	26
Jerseys ... ..	2	Towels ... ..	3
Nightgowns ... ..	5	Dressing Gowns ... ..	2

## BEDDING, ETC., DESTROYED.

Beds ... ..	6	General Body Linen...	1
Sundries ... ..	15	Mattresses ... ..	7

## VIII. PUBLIC HEALTH STAFF.

X. Medical Officer of Health, and Medical Superintendent  
Isolation Hospital—

(APPOINTMENT VACANT).

X. Medical Officer, Resident Home for Children—

DR. W. P. PORTER, (part time).

X. Medical Officer, Maternity Centre—

DR. DOROTHY GERE, (part time).

X. Senior Sanitary Inspector—

S. JUMP, M.S.I.A., Cert. R. San. Inst.

„ „ „ (Meat & Foods)

Meat and Food Inspector—

H. WALTON, Cert. R. San. Inst.

„ „ „ (Meat & Foods)

Assistant Sanitary Inspector—

H. J. HARLAND, Cert. R. San. Inst.

” ” ” (Meat & Foods)

X Health Visitors—

MISS G. M. HAMMOND, GENERAL TRAINING, & C.M.B.

Cert. R. San. Inst. (Health Visitor)

MISS K. MIDDLETON, GENERAL TRAINING.

Clerk.—

A. JUMP.

X Denotes salary contribution made by Exchequer grants.

## IX. HOUSING.

Number of New Houses erected during the year—

(a) Total	...	...	...	...	431
(b) As part of a Municipal Housing Scheme	...			...	390

### 1. Unfit Dwelling Houses.

INSPECTION. (1) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Act).	...	...	...	...	505
(2) Number of dwelling houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	...	...		...	222
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...		...	nil
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation-	...	...	...	...	727

### II. Remedy of defects without service of formal notices.

Number of defective dwelling houses rendered fit in consequence of informal action by the local authority or their officers	...	...	...	...	474
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### III. Action under Statutory Powers.

A. Proceedings under section 28 of the Housing, Town Planning, etc., Act, 1919.	
(1) Number of dwelling houses in respect of which notices were served requiring repairs ...	11
(2) Number of dwelling houses which were rendered fit	
(a) By owners ... ..	11
(b) By local authority in default of owners	nil.
(3) Number of dwelling houses in respect of which closing orders became operative in pursuance of declarations by owners of intention to close	nil.
B. Proceedings under Public Health Acts.	
(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied.	nil.
(2) Number of dwelling houses in which defects were remedied.	
(a) by owners.	nil.
(b) by local authority in default of owners	nil.
C. Proceedings under sections 17 and 18 of the Housing, Town Planning, etc., Act, 1909.	
(1) Number of representations made with a view to the making of closing orders.	nil.
(2) Number of dwelling houses in respect of which closing orders were made.	nil.
(3) Number of dwelling houses in respect of which closing orders were determined the Dwelling houses having been rendered fit.	nil.
(4) Number of dwelling houses in respect of which demolition orders were made.	nil.
(5) Number of dwelling houses demolished in pursuance of demolition orders.	nil.

### UNHEALTHY AREAS.

Six areas were scheduled in 1919, and are still under the consideration of the Ministry of Health, the only alteration being that three houses in one of the areas have been voluntarily closed by the owner.

PROGRESS REPORT SHOWING HOUSING AT YEAR ENDING JANUARY 1922.

CONTRACTORS.	No. of Houses Starting.	Date of Starting.	Present Stages								Labour Return.							TOTAL LABOUR.	
			1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		
			Commenced.	Foundations in and Damp Course Laid.	First Floor Joists Laid.	Wall Plate Laid for Roof.	Roofed, Windows and Floors fixed ready for Plasterers.	Plastering, Joinery, Plumbing ready for Painting.	Drains and Water Supply.	Occupied January 1922.	Bricklayers.	Joiners.	Plumbers.	Plasterers.	Painters.	Labourers.	General.		
Harebreaks : C. Brightman & Son, Ltd.	828	15/5/20	680	632	566	556	484	400	452	350	22	169	121	38	82	59	399	33	901
Harebreaks : Garden Cities Co.	47	27/2/20			COMPLETED.					47	7								
Willow Lane Garden Cities Co.	40	17/1/20			COMPLETED.					40	36								
Sydney Road : W. King & Son.	18	8/2/20			COMPLETED.					18	18								
Sydney Road : W. King & Son.	10	9/2/21			COMPLETED.					10	0								
Rickmansworth Road : W. King & Son.	10	15/8/20			COMPLETED.					10	2								
Totals			680	632	566	556	484	400	452	475	85	169	121	38	82	59	399	33	901

STREETS & SEWERS—HAREBREAKS.

	Jan. 1921.	Jan. 1922.
Formation finished ...	18,000 Sq. Yds.	46,000 Sq. Yds.
Foundations of Carriage Ways	15,000 "	46,000 "
Tarmac Laid ...	Nil.	9,000 "
Sewers Laid ...	6,500 Lin. Yds.	7,800 Lin. Yds.
Storm Sewers Laid ...	6,500 "	7,800 "
Labour ...	120	67

C. BALL'S CONTRACT.

	Jan. 1921.	Jan. 1922.
Water Mains Laid ...	2,980 Lin. Yds.	8,600 Lin. Yds.
Labour ...	28	nil.

WATER MAINS—HAREBREAKS.



In concluding this Report, I must thank all those connected with the Public Health Department for the great help given to me during my temporary term of office.

I am, Gentlemen,

Yours obediently,

WILLIAM GRUGGEN.

*Acting Medical Officer of Health.*





