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HEALTH
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DEARBIE URBAN DISTRICT
COUNCIL

REPORT

on the

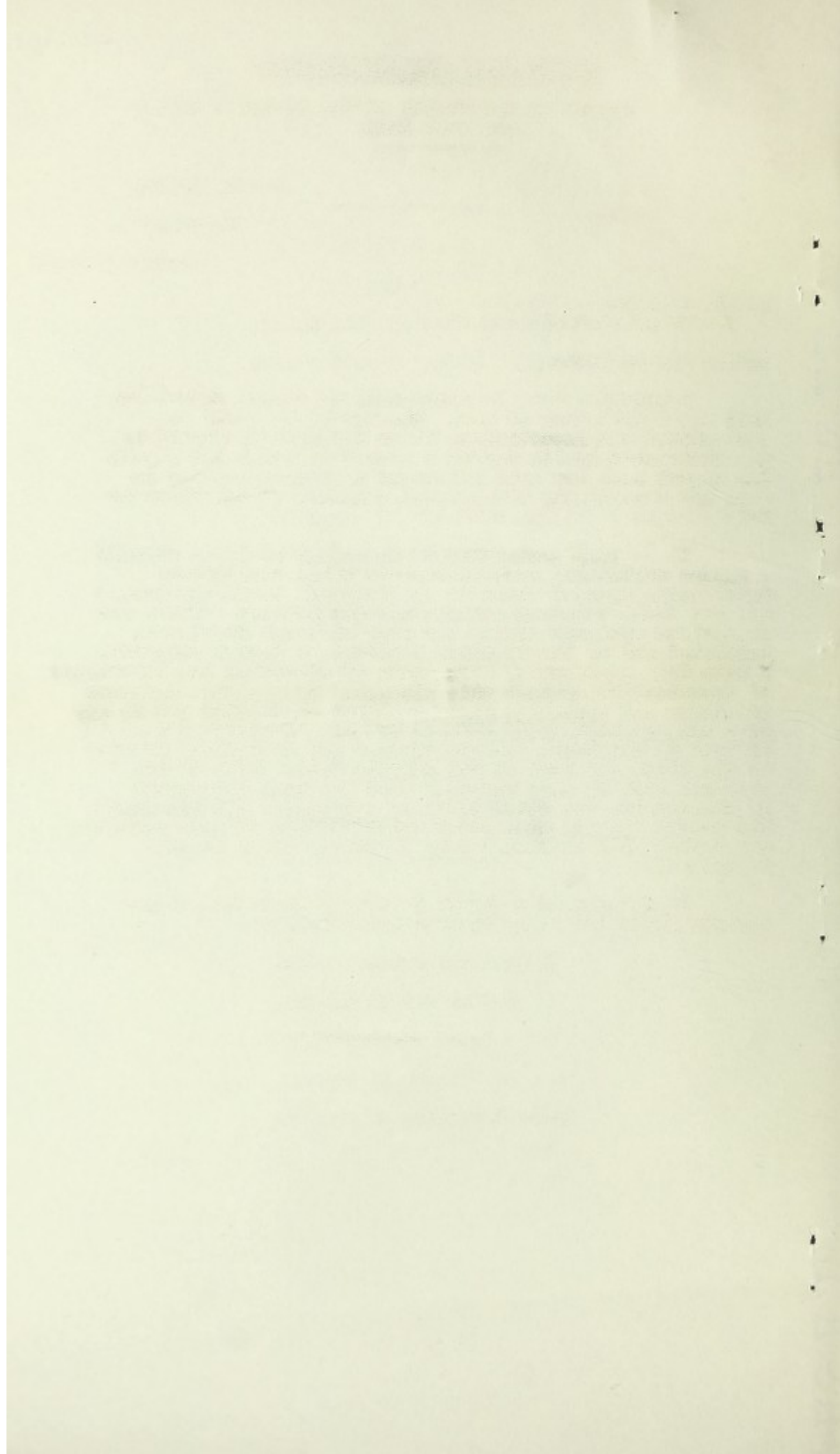
Health of the District During
the year ending December 31st
1943.

By J. E. J. MORRIS,
Medical Officer of Health,
Medical Officer of Maternity
and Child Welfare.



Together with the Report
of the

SANITARY INSPECTOR.



FRANKS URBAN DISTRICT COUNCIL.

Report on the Health of the District during
the Year 1943.

Deane House,

GOLDTHORPE.

September 1944.

To the Chairman and Members of
the Urban District Council.

Ladies and Gentlemen,

I have pleasure in presenting my Annual Report for 1943 the fourth year of war. The report is again very abbreviated but nevertheless is an interesting record of the district's health during a period of trial and strain. The urgent need for coal has meant that unemployment is rare and accordingly the general standard of nutrition is fairly high.

It is very gratifying to me and my staff to compile a report containing such favourable vital statistics. Outstanding amongst these is the Maternal Mortality rate - not one death occurred amongst the 486 mothers. There was no serious epidemic during the year although Diphtheria persisted and of the 75 cases notified, 4 deaths occurred. I take this opportunity once again of stressing the importance of immunisation against this disease. By a simple harmless treatment the infection can be almost eradicated and in any case the mortality rate reduced to nil. I acted as Casualty Officer in the Civil Defence Service and as Medical Officer to the First Aid Post at the Welfare Hall. Much of the clerical work on this war-time task has been undertaken by Mr. Allenby, the Chief Sanitary Inspector, and his staff. His report follows mine and records details of much valuable and varied work carried out by a modern Public Health Department.

In issuing this report I wish to thank Mr. Allenby and his staff for their invaluable assistance.

I have the honour to be,

Ladies and Gentlemen,

Yours respectfully,

J. E. W. MORRIS,

Medical Officer of Health.

REPORT OF THE MEDICAL OFFICER OF HEALTH

1943

SECTION A.

1. General Statistics.

Area of District in acres	3,651
Population - Registrar-General's Estimate, .	22,070
Mid Year 1943	
No. of inhabited Houses	5986
Rainfall for 1943	19.74 ins
Number of days on which rain fell	136
Zymotic Death Rate	.589
Pulmonary Tuberculosis Death Rate	.679
Other forms Tuberculosis	.045
Respiratory Death Rate	1.81

2. Extracts from Vital Statistics.

Births (Live).	Male.	Female.	Total.
Legitimate	251	226	457
Illegitimate	15	11	26
Totals.	246	237	483
Still Births.	8	5	13

Deaths	Male.	Female.	Total.
Birth Rate	21.88		per 1,000
Recorded Death Rate	10.78		per 1,000
Corrected Death Rate	14.37		per 1,000

Deaths of Infants under One Year of Age per 1,000 Births.

Legitimate 68.23 ; Illegitimate 74.07 ; Total 68.54
(England and Wales: Birth Rate 16.5 ; Death Rate 12.1 ;
Infantile Mortality 49).

DEATHS.

The causes of death during 1943 together with figures for the preceding year, are as follows:-

	1942	1943
1. Typhoid and Paratyphoid Fevers	Nil	Nil
2. Cerebro Spinal Fever	Nil	2
3. Scarlet Fever	Nil	Nil
4. Whooping Cough	Nil	2
5. Diphtheria	Nil	4
6. Tuberculosis of the Respiratory System	9	15
7. Other Forms of Tuberculosis	3	1
8. Syphilitic Diseases	Nil	2
9. Influenza	2	5
10. Measles	3	Nil
11. Acute polio-myel. and polio-enceph.	Nil	Nil
12. Acute Influenzal Encephalitis.	1	Nil
13. Cancer of b.cav. and oesoph. (M) uterus (F)	6	3
14. Cancer of Stomach and Duodenum	3	6
15. Cancer of Breast	3	1
16. Cancer of all other sites	22	14
17. Diabetes	2	4
18. Intra-cran. vasc. lesions	17	24
19. Heart Disease	51	45
20. Other diseases of circulatory system	5	3
21. Bronchitis	18	19
22. Pneumonia	20	16
23. Other Respiratory diseases	2	5

Causes continued.		1942	1943
24. Ulcer of Stomach or Duodenum		2	1
25. Diarrhoea		2	5
26. Appendicitis		Nil	3
27. Other Digestive Diseases		6	5
28. Nephritis		6	4
29. Puerperal and post-abort. sepsis		Nil	Nil
30. Other Maternal causes		1	Nil
31. Premature Birth		10	8
32. Congenital Debility, Malformations etc.		11	6
33. Suicide		4	1
34. Road Traffic accidents		Nil	2
35. Other Violent causes		12	10
36. All other causes		21	22
		242	238

Cancer deaths in age groups are set out below:-

Age in Years.	35-40	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80	80-85	Total.
Male.	.	.	.	.	2	.	8	2	.	.	12
Female.	.	.	2	2	4	.	.	.	4	.	13
											24

INFANTILE MORTALITY

1943

Causes of Death	AGE GROUPS							Total Deaths
	WEEKS				MONTHS			
	under 1	1-2	2-3	3-4	1-4	4-8	8-12	
Premature Birth and Debility	9	1	.	.	4	.	.	14
Convulsions	.	.	.	1	3	4	.	8
Acute Bronchitis	.	.	.	.	1	.	.	1
Broncho Pneumonia	1	.	.	.	4	2	1	8
Enterocolitis Septicaemia	.	.	.	.	.	.	1.	1
Enterocolitis Acc. Death	.	.	.	.	.	.	1	1
Enterocolitis Enteritis.	.	.	1	.	.	.	.	1
Abscess of Thigh	.	.	.	.	.	.	.	.
TOTALS.	10	1	1	1	12	6	3	34

VITAL STATISTICS 1943.

GENERAL.

Birth Rate.

The maintenance of a high birth-rate is of great importance, particularly if the infant mortality rate is kept low. The birth rate of Bearn during the past year was 21.88 per 1,000 of the population, the highest recorded during the war years. Considering this high rate the Infantile mortality figure of 68.54 per 1,000 births is fairly good.

Infantile Mortality Rate.

There were 34 deaths of Infants under 1 year of age out of a total of 496 births yielding an Infantile Mortality rate of 68.54 per 1,000 births, an improvement on last years rate of 72.4, but much higher than the England and Wales rate of 49 per 1,000.

Death Rate.

There were 238 deaths giving a "recorded" death rate of 10.78 per 1,000 of the population. When multiplied by the comparability factor of 1.33 the "corrected" death rate for our area is 14.37. (Last year the rate was 14.57). England and Wales rate - 12.1.

Causes of Death.

The main causes of death were, Heart Disease and other diseases of the Circulatory System - responsible for 49, Cancer 34, Bronchitis 10, Pneumonia 16, and Tuberculosis of the Respiratory System 15.

Maternal Mortality.

A pleasing feature of the year was that no maternal deaths occurred.

Puerperal Pyrexia.

Three cases of Puerperal Pyrexia occurred during the year, giving a case rate of 6.1 per 1,000 total births. (England and Wales rate 11.88).

Causes of Sickness and Invalidity.

There was no serious epidemic of infectious disease and no predominant cause of illness.

Notifiable Diseases.

A table will be found elsewhere in this report analysing the notifications and deaths from Infectious Diseases.

Scarlet Fever.

64 cases of this disease were notified. Of these 78 were treated in hospital. Case rate for Bearn - 3.77. England and Wales rate - 3.01.

Diphtheria.

75 cases occurred and were all removed to hospital giving a case rate of 3.39 per 1,000 of the population, the England and Wales rate being only 0.88. Immunisation clinics were held at Schools throughout the year, while all private practitioners offered free treatment. The figures for immunisation work at the year end ~~was~~ as follows:- 33.3% of the children under 5 had been immunised, while 59.7% of those between 5 and 15 had been protected.



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Tuberculosis.

36 cases of tuberculosis were notified, a slight increase on the 1942 figures. There were 21 new cases of pulmonary tuberculosis and 5 non-pulmonary.

Tuberculosis was responsible for 16 deaths and 15 of these were pulmonary. Only 18 deaths occurred from Tuberculosis in 1942.

The number of cases on the register at the year end were 366 pulmonary (146 male, 159 female) and other forms of Tuberculosis - 68 (31 male, 31 female). For further details notifications and deaths in age groups will be found in the table given elsewhere in this report.

General Provisions of Health Services.

There was no change in the provision of Nursing, Hospital and Clinic Services as detailed in previous reports and there is no necessity to repeat the information. The services proved satisfactory throughout the year under review.

	1941	1942	1943	1944
Population	1,000	1,000	1,000	1,000
Births	1,000	1,000	1,000	1,000
Deaths	1,000	1,000	1,000	1,000
Marriages	1,000	1,000	1,000	1,000
Divorces	1,000	1,000	1,000	1,000
Admissions to Hospital	1,000	1,000	1,000	1,000
Discharges from Hospital	1,000	1,000	1,000	1,000
Deaths in Hospital	1,000	1,000	1,000	1,000
Deaths in Home	1,000	1,000	1,000	1,000
Deaths in Prison	1,000	1,000	1,000	1,000
Deaths in Asylum	1,000	1,000	1,000	1,000
Deaths in Workhouse	1,000	1,000	1,000	1,000
Deaths in Other Institutions	1,000	1,000	1,000	1,000
Deaths in Unknown Places	1,000	1,000	1,000	1,000
Total Deaths	1,000	1,000	1,000	1,000

Table showing the number of deaths for England and Wales and for London

Year 1944. Total Deaths 1,000. Deaths in London 1,000. Deaths in other parts of England and Wales 1,000.

Table showing the number of deaths for England and Wales and for London

Year 1944. Total Deaths 1,000. Deaths in London 1,000. Deaths in other parts of England and Wales 1,000.

T A B L E A.

BIRTH RATES, DEATH RATES, AND ANALYSIS OF MORTALITY DURING
THE YEAR 1943 (Provisional Figures).

Rate per 1,000 population.	England & Wales.	126 County Boroughs & Great Towns, inc London.	146 Smaller Towns.	DEARNE AREA
Live Births	16.5	18.6	19.40	<u>21.88</u>
Still Births	0.51	0.63	0.61	<u>0.58</u>
Annual Death-Rate per 1,000 population.				
all causes	12.1	14.2	12.7	<u>14.37</u>
Typhoid & Paratyphoid fevers.	0.00	0.00	0.00	<u>0.00</u>
Small-Pox	-	-	-	-
Measles	0.02	0.02	0.02	<u>0.00</u>
Scarlet Fever	0.00	0.00	0.00	<u>0.00</u>
Whooping Cough	0.03	0.03	0.03	<u>0.09</u>
Diphtheria	0.03	0.04	0.04	<u>0.18</u>
Influenza	0.37	0.36	0.37	<u>0.22</u>
Death Rate per 1000 Live Births.				
Diarrhoea and Enteritis (under 2 years)	5.3	7.9	4.4	<u>10.35</u>
Total Deaths under 1 year	49	58	46	<u>68.54</u>

The Maternal Mortality rates for England and Wales are as follows:-

per 1,000 Live and Still Births:	Puerperal Sepsis.	Others.	Total.
	0.39	1.90	2.29

The Maternal Mortality rates for Dearne U.D.C. are:

per 1,000 Live and still births:	Puerperal Sepsis.	Others.	Total.
	0.00	0.00	0.00

NOTIFIABLE DISEASES. Table 1.

CASES NOTIFIED	Scar. Fev.	Diph. eria.	Pneu- monia	Erys. pelas	C.Sp. Men.	Pl. Pyr	Op. Neon.	Whoop. Cough.
<u>AGE GROUPS.</u>								
Under 1 year.	.	.	11	.	.	.	3	7
1-2 years	1	1	7	.	.	.	.	13
3-5 years	1	4	6	.	.	.	.	7
6-10 years	10	5	2	.	.	.	.	20
11-15 years	13	8	2	.	.	.	.	18
16-20 years	32	26	3	1	2	.	.	17
21-25 years	16	14	1	.	.	.	.	1
26-30 years	4	9	1	1	1	.	.	.
31-35 years	5	9	8	1	.	3	.	.
36-45 years	2	.	1	1	1	.	.	.
46-55 years	.	.	5	4	1	.	.	.
Over 55 years	.	.	3	.	.	.	.	.
Total	84	75	50	8	5	3	3	83
Cases Admitted to Hospital.	78	75	.	.	5	.	.	.
Local case rate per 1,000.	3.77	3.39	2.26	.362	.226	6.04	6.21	3.72
England and Wales rate per 1,000.	3.01	0.88	1.34	.310	.080	11.6	?	2.54
<u>DEATHS.</u>								
<u>AGE GROUPS.</u>								
Under 1 year	.	.	5	.	.	.	.	.
1-2 years	.	.	.	.	.	.	.	.
3-5 years	.	.	.	.	.	.	.	.
6-10 years	.	.	.	.	.	.	.	.
11-15 years	.	.	.	.	1	.	.	2
16-20 years	.	.	.	.	.	.	.	.
21-25 years	.	1	.	.	.	.	.	.
26-30 years	.	.	.	.	1	.	.	.
31-35 years	.	.	4	.	.	.	.	.
36-45 years	.	.	7	.	.	.	.	.
Over 45 years	.	.	.	.	.	.	.	.
Total.	0	4	16	0	2	0	0	2

Notifiable Diseases. Table 2.

TUBERCULOSIS.

Age Groups	Cases Notified				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
Years	Male	Female	Male	Female	Male	Female	Male	Female
0-1	.	.	.	.	.	.	.	.
1-5	.	.	.	.	.	.	.	.
5-10	.	1	1	.	.	.	1	.
10-15	.	1	.	1	.	.	.	.
15-20	2	1	1	.	1	.	.	.
20-25	1	1	.	1	1	2	.	.
25-30	2	2	.	1	1	1	.	.
30-35	3	1	.	.	1	.	.	.
35-40	3	.	.	.	2	1	.	.
40-45	3	.	.	.	3	.	.	.
45-50	2	.	.	.	2	.	.	.
Over 50	1	.	.	.	2	.	.	.
	14	7	2	3	11	4	1	.
Total.	21		5		15		1	
	26				16			

Sanitary Administration.

The following analysis of inspections has been supplied by the Sanitary Inspector, in accordance with the Sanitary Officers (Outside London) Regulations, 1935:-

General inspections as to complaints, nuisances, etc.	768
Inspections of verminous premises.	33
Reinspections of verminous premises.	67
Drains tested (smoke, colour, etc.)	39
Reinspections as to compliance with notices, etc.	552
Inspections as to works in progress	302
Owners seen as to works	46
Contractors seen as to works	28
Inspections in reference to infectious diseases.	164

Inspections of:-

Factories.	28
Bakehouses.	15
Caravans.	15
Cinemas.	12
Slaughterhouses.	-
Meat Vans and Shops.	28
Fish Shops.	12
Markets.	18
Tripe Sheds.	20
Allotment killed pigs.	327
Cowsheds.	60
Dairies.	46
Refuse Tips.	731
Premises re Rat Infestation.	44

Informal Notices were issued in relation to matters arising from the Inspections, and in 58 cases Formal notices were served.

At the end of the year 90 nuisances remained on the books, and 687 had been remedied during the year.

Further details as to general sanitary work are contained in the report of the Sanitary Inspector which is appended.

Public Health Staff.

* Medical Officer of Health.) Medical Officer, Maternity) and Child Welfare Centres.)	J. K. W. Morris, M.B., Ch.B.
xx Chief Sanitary Inspector.	G. H. Allemby, C.R. San I.; Cert. Insp. of Meat and other Foods; R.S.I. Cert Smoke Insp. Housing Insp. Shops Act Insp.
xxx Health Visitors.	Miss L.L.Gopsill, C.M.B. Miss M.E.Maudsley, C.M.B. Miss W.J.Bailey, S.R.N., C.M.B. Miss E. Dalton, C.M.B.
Assistant Sanitary Inspector.	L.Dearden, C.R. San I. Cert. Insp of Meat and Other Foods. (Left 30th September,)
Clerical Assistants to Sanitary Inspector.	T.Duffy. K.W.Parkin (Left March 26th)
* Part Time.	Miss E Coulson. (Started May 6th)
xx Salary contributed to by grants.	
xxx The Health Visitors are employed by the West Riding County Council.	

Housing.

Statistics.

The following statistics indicate the work done in connection with housing during the year 1943

Number of New Houses erected during the year:-

- (a) By the Local Authority Nil
- (b) By Private Enterprise Nil

Total number of houses in the district. 5986

1. Inspection of Dwellinghouses during the year.

- (1) (a) Total number of dwelling-houses inspected for housing defects (Under Public Health or Housing Acts). 608
- (b) Number of inspections made for the purpose. 608
- (2) (a) Number of dwelling-houses (included under subhead (1) above) which were inspected and recorded under the Housing Consolidated Regulations. 25
- (b) Number of inspections made for the purpose. 25
- (3) Number of dwelling-houses needing further action. 608
 - (a) Number considered to be in a state so dangerous or injurious to health as to be unfit for human habitation. Nil
 - (b) Number excluding those in subhead (3) (a) above found not to be in all respects fit for human habitation. 608

2. Remedy of Defects during the year without service of formal notices.

Number of dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers. 521

3. Action under Statutory Powers during the year.

A. Proceedings under Section 9, 10, and 16, Housing Act 1936.

- (1) Number of dwelling-houses in respect of which notices were served requiring repairs. 22
- (2) Number of dwelling-houses which were rendered fit, after service of formal notices.
 - (a) by owners. 14
 - (b) by Local Authority in default of owners. Nil

B. Proceedings under Public Health Acts:-

- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied. 58
- (2) Number of dwelling-houses in which defects were remedied after service of formal notices
 - (a) By owners. 33
 - (b) By Local Authority in default of owners. 22

C. Proceedings under Sections 11 and 13 of the Housing Act 1936.

4. Unhealthy Areas. Nil

Areas Declared Clearance Areas during 1943 Nil

Housing Act, 1936 - Part 4, Overcrowding.

- | | | | |
|-----|-----|---|-----|
| (a) | (1) | Number of dwellings overcrowded at end of the year. | 64 |
| | (2) | Number of families dwelling therein. | 79 |
| | (3) | Number of persons dwelling therein. | 505 |
| (b) | | Number of new cases of overcrowding reported during the year. | N11 |
| (c) | (1) | Number of cases of overcrowding relieved during the year | N11 |
| | (2) | Number of persons concerned in such cases. | N11 |
| (d) | | Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding. | N11 |
| (e) | | Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report. | - |

SANITATION B.

Water Supply.

The Dearne U.D.C. is a constituent authority of the Dearne Valley Water Board. The supply to the Old Bolton area is from deep wells and collieries supplemented by water from the City of Sheffield. During 1943 water from a new source of supply has been admitted into the Goldthorpe Water tower, namely water from the Goldthorpe Colliery. It is said to be of a fairly soft nature but I am afraid the supply to the old Bolton-on-Deerne Urban area still remains excessively hard.

The supply to the Thurnescoe area consists of the greater portion of Barnsley soft water, with a small addition of Dearne Valley deep well water.

The water has been fairly satisfactory in quantity, though in a few isolated cases, service pipes to houses are inadequate to cope with the demands made upon them at certain periods of the day.

Sewerage and Sewage Disposal.

No alterations or extensions were made during the year in connection with the above.

Factories and Workshops Act, 1901, and the Factories Act, 1937.

26 inspections and re-inspections were made by the Sanitary Inspector of premises coming within the scope of the Act. No contraventions were noted and the conditions were satisfactory.

Schools.

Generally speaking the schools in the district were kept in a good sanitary condition.

J. K. W. MORRIS,

Medical Officer of Health.

REPORT OF THE CHIEF SANITARY INSPECTOR AND CLEANSING SUPERINTENDENT FOR THE YEAR 1943.

To the Chairman and Members of the
Deane Urban District Council.

Mr. Chairman, Ladies, and Gentlemen,

While much valuable work has been carried out by your Inspectorial staff during the past year there is a large accumulation of maintenance repair work on working class houses to be faced.

Long delays have often been experienced in obtaining abatement of nuisances often of an urgent character. The shortage of contractors in our area has been acute and in the circumstances the record of work carried out is all the more praiseworthy.

On the 30th September 1943, Mr. Leonard Boarden, my Assistant Inspector left to take up a position as District Sanitary Inspector to the Putney Municipal Borough Council after being in the Department for 2½ years.

No appointment to fill the vacancy had been made at the year end.

Civil Defence duties, in which I acted as Assistant Casualty Officer and Ambulance Officer again took up part of my time.

I trust this brief record of work carried out during the fourth year of war will be of interest.

H O U S I N G.

ACTION UNDER THE PUBLIC HEALTH ACTS.

Inspections were made in connection with nuisances and defects at 658 houses, while defects at 615 houses were remedied during the year, in connection with those remaining on the books further action was pending.

The following statement shows the nuisances abated and defects remedied in and around dwellings, other than Council owned dwellings:-

House Repairs.

Internal walls and Ceilings repaired	13
Walls, external brickwork repainted	37
Eaves spouts, fall pipes and vent shafts, renew or repair	43
Floors repaired	13
Chimneys repaired	8
Fireplaces or ranges repaired or renewed	16
Window sills, cords or frames repaired	42
Coppers repaired	3
Doors repaired	4
Sink waste pipes repaired	9
Sinks repaired or renewed	2
Hot water systems repaired	4
Yards repaired	14
Ashbins renewed	101
Outbuildings repaired	12

ACTION UNDER THE PUBLIC HEALTH ACTS (Cont.).

Fairs.

Take up and relay	15
Opened and cleansed	50
Inspection chambers provided or repaired	17
Gullies cleansed or provided	44

Water Closets.

Obstructions cleansed	44
Pedestals renewed	6
Water supply pipes repaired	17
Flush pipe repaired	18
Cisterns repaired regulated or renewed	32

Other Nuisances Abated.

Houses cleansed or rid of vermin	10
Accumulations of refuse removed	27
Air Raid shelters cleansed	5
Yards cleansed	22

ACTION UNDER THE HOUSING ACTS.

Houses not in all respects fit.

Under the Housing Consolidated Regulations 1925, and the Housing Consolidated Amendment Regulations 1932, 25 inspections of dwelling houses were made and particulars were recorded.

During the year 14 houses were made in all respects fit.

Tents, Vans and Sheds.

Three caravans in the district have been occupied throughout the year, and the sanitary conditions in these are fairly satisfactory. There is no licensed camping ground in the area.

SANITARY ACCOMMODATION

The following table shows the numbers and proportions of premises with the various types of sanitary conveniences and receptacles at the end of 1943.

Type of Convenience and Receptacle.	Bolton.	Thurnscoe.	Barn- bro'.	Total Prems.	Percentage 1943.
Water Closet	3406	2684	38	6128	99.76
Hidden Privy	7	5	3	15	0.24
Total Premises	3413	2689	41	6143	
Ashbins	3365	2714	38	6117	99.76
Privy Pits	7	5	3	15	0.24

The standard of closet accommodation in the district is high being one closet to one house in all but 16 dwellings.

FOOD SUPPLY.

PUBLIC HEALTH (MEAT) REGULATIONS 1924.

364 pig-keepers submitted 321 notices relating to the slaughter of 327 pigs. The carcasses and offal of all the pigs were inspected and found to be of very fair quality, free from any serious disease.

The meat allocation centre, butchers shops and food preparing premises received regular visits, no contravention of the Regulations was observed.

Unsound Food.

There were no prosecutions during the year, the food listed below being surrendered voluntarily.

TINNED FOODS, ETC.

Tinned Beans	...	37	
Tinned Meat	...	29	
Tinned Milk	...	21	
Tinned Vegetables (Mixed)	...	35	
Tinned Fish	...	7	
Tinned Fruit	...	9	
Tinned Soup	...	2	
Tinned Tomatoes	...	1	
Bottles "Onionol"	...	103	
Bottles Sauce	...	2	
Jars Jam	...	32	
Jars Mince	...	6	
Packets "Onionol"	...	184	
Bacon & Ham	...	150	lbs.
Brussel Sprouts	...	112	lbs.
Cheese	...	99	lbs.
Meat	...	91	lbs.
Cabbages	...	60	lbs.
Fish	...	22	lbs.
Tea	...	2	lbs.
Lard	...	2	lbs.
Eggs	...	36	

MILK AND DAIRIES

Registration of Purveyors.

27 retail purveyors of milk were on the register at the end of the year. Of these 13 are local cowkeepers registered also for the production of milk, while 4 of the cowkeepers are also wholesale traders.

Cowsheds and Dairies.

23 cowsheds were in use by 13 farmers during 1943. Work was commenced during the year on the improvement and extension of the cowshed, also the provision of a dairy, at Hawthornes Farm, Bolton-upon-Bearne. This was not completed, but there is a possibility that 1944 will see the completion.

Generally all our cowsheds are old buildings which have been renovated. Given cleanly methods, the production of clean milk should be easy.

The number of milk beasts kept in the cowsheds of the area averaged 122.

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MISCELLANEOUS. (Cont).

Clearance of Choked Drains, etc.

64 owners and agents have given general instructions to the department to deal with blockages to drains and W.C.s as they came to notice.

57 were dealt with under this arrangement at an average cost of 2s. 6d. to the owners.

Disinfestation.

33 houses were treated in order to rid them of bugs. The treatment includes stripping off loose wall paper and in the more seriously affected houses, skirting boards, etc. are taken off. The rooms are next thoroughly sprayed with Vermicide and again at an interval of three weeks.

5 houses were treated for infestations with Silver-Fish (*Blattaria Domestica*), and ten with cockroaches.

Rats and Mice (Destruction) Act 1919.

9 complaints of rat infestation were received and attended to mainly by the use of poisons.

PUBLIC CLEANING.

The Scavenging Service has been severely tried during the year but the weekly collection has been maintained. The slight increase in clearing costs is due mainly to wages increase of staff. A tipping site at the Thurnscoe West End is to be desired, the present area, a field off the Rectory Lane, is most uneconomical, the site only allowing of a very shallow tip.

Salvage of waste materials continued throughout the year, collection being carried out by the ordinary scavenging gang. One extra man has been employed mainly on paper baling and salvage sorting. The paper yield has fallen off greatly during 1943.

A kitchen waste collection scheme commenced by the Council in 1942 has been extended to the old Bolton-on-Bearne U.D. Council's area. 123 bins are loaned to pig-keepers who undertake to collect and cleanse the receptacles. Towards the year end, 8 tons of kitchen waste were being collected from these bins monthly.

LABOUR - STAFF EMPLOYED.

Bolton-upon-Bearne.

Three carters and four fillers form the staff engaged on collection in the old Bolton-upon-Bearne area.

The total number of receptacles scavenged weekly was 3,365.

One tipman was engaged throughout the year on the controlled tips in this part of our area. Hired team labour averaged 1 day per week.

Thurnscoe.

The staff engaged on collection was the same numerically as last year - 2 carters and 4 fillers. Hired team labour averaged 1 day per week.

REFUSE COLLECTION.

All the premises in the area having portable dust bins a weekly collection of refuse has been carried on throughout the year. Supplies of new ashbins became easier and bin arrears were being wiped off towards the year end.

The average total number of premises visited each week was 6,063, consisting of Thurnscoe 3,714, Bolton-upon-Dearne 3,308, and Baraborough 41. The table below gives the average amount of refuse removed from each house in Thurnscoe and Bolton for the year 1943.

Refuse from each house.

<u>Year.</u>	<u>Thurnscoe.</u>	<u>Bolton-upon-Dearne.</u>
Average over 1936, 1939, 1940, & 1941.	1 ton 9 cwt.	1 ton 5 cwt.
1942.	1 ton 1.11 cwt.	1 ton. 1.07 cwt.
1943.	1 ton 1.5 cwt.	1 ton 1.5 cwt.

The slight increase in the yield of refuse may have been due to the slackening of the "fuel economy" campaign which was at its peak during 1942, also the somewhat inferior fuel being distributed. The amount of refuse in any case is excessive but a great reduction will not be registered until the "home coal" system is abolished in our area.

Trade Refuse.

Only 19 premises remained on the trade refuse removal list from whom a small charge is made for the service. Most collections were made from business premises, consisting mainly of saleable salvage, paper, cardboard, etc.

A cesspool into which the Highgate Club premises is drained, was cleansed by the staff at regular intervals at the cost of the club.

Glimmer and refuse has been removed regularly from all School Premises throughout the area.

Bonus Scheme.

This scheme has now been in operation for about 17 years in the Bolton area, and was applied to Thurnscoe in 1939. Under the conditions operating a member of the cleansing gang cannot fall below his basic wage, but can with extra output and by dispensing with some labour, either manual or team, earn a bonus. The labour so freed is utilised in tip-soiling etc. One of the great advantages of the bonus scheme is that the need for supervision is lessened.

The weekly average bonus during the year at Bolton was 6s. 2d. as compared to 6s. 3½d. in 1942 and 4s. 7½d. in 1941.

The weekly average bonus at Thurnscoe was 7s. 8d. for 1943, as compared with 4s. 10½d. in 1942 and 5s. 1d. in 1941.

D I S P O S A L.

All the refuse has been disposed of by controlled tipping during the year. The main tips in use were the New Senior School Tip at Goldthorpe, and sites at Bolton Mill Bridge, Beever Street Allotments, Ingsfield Lane, Lidget Wood and Houghton Road.

Summary of Loads.

DRY REFUSE.

Bolton-upon-Dearne District. (inc. Green Lane, Barnborough).

New Senior School	3272 loads
Bolton Mill Bridge	150 loads
Beever Street Allotments.....	64 loads
Maughk Ingsfield Lane... ..	20 loads

Thurnscoe District.

Lidget Wood	1468 loads
Houghton Road.. ..	1395 loads

Wet Refuse.

Farmers	60 loads
TOTAL LOADS.	6429 loads

S A L V A G E.

The following statement shows the material recovered and sold during the year 1943.

<u>Material.</u>	<u>Quantity.</u>			<u>Amount Realised.</u>		
	Tons.	Cwts.	Qrs.Dozen.	£.	s.	d.
Waste Paper.	76	11	2	506	0	6
Scrap Metal.	32	4	0	48	18	6½
Cullet.	5	7	1	9	7	4
Rags.	4	11	0	63	12	1
Bones.	2	13	0	12	11	2½
Jars.			1504	27	6	5
Bottles.			408	8	16	11
Rubber	4	6	2	10	16	3
Non-Ferrous Scrap		8	2	14	17	10
Unflattened Tins			58	2	18	0
						&
	126	1	3	1970	705	5 1

S A V I N G I N G C O S T S, 1943

	<u>Collection.</u>			<u>Disposal.</u>			<u>Total.</u>		
	£.	S	D	£	S	D	£	S	D
1. Net Total Cost.	3352	14	4	684	14	6	4037	8	10
2. Cost per Ton.		10	5		2	1½		12	6½
3. Cost per 1,000 population.	152.	7	11	31	2	6	183.	10	5
4. Cost per 1,000 houses.	558.	15.	8	114.	2.	5	672.	18.1	1

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The Collection cost per house, was 11s. 4d., an increase over previous years but accounted for mainly by additional wages charges. The average cost over the past few years was 9s. 5d. per house. It must also be noted that this 1943 collection cost includes that of collecting salvage.

DISPOSAL.

Remarks.

All our four main refuse tips are controlled, and no nuisance has arisen during the year. The site at the Modern School, Goldthorpe is nearing completion. From the original uneven, waterlogged field a vastly improved playing field will result.

In all our disposal sites the finished product will be an improvement over the original area.

Difficulty has been experienced in obtaining suitable tipping sites to the Thurness West area.

SALVAGE.

A weekly collection of salvage has been carried out throughout the year. There was a reduction in the amount of waste paper and scrap metal salvaged. In July a fire destroyed our salvage depot and baling shed at Thurness. Since that time alternative premises have been somewhat limited in accommodation.

The Kitchen Waste Scheme reported upon in my report for 1942 has been extended and approximately half of the Pearne area is served by Kitchen Waste bins. 8 tons of soil food has been collected each month from these receptacles.

General Observations.

The fourth year of war has seen increased labour difficulties yet despite these the scavenging service has not suffered unduly.

Recommendations in my 1942 report need to be emphasized again. These include the gradual replacement of horse drawn vehicles with up to date mechanical vehicles, the provision of a central depot - with ample covered accommodation for all vehicles and repairs for same, messroom and facilities for men to wash, also a drying room for wet clothing.

The scavenging of our district is of prime importance and the aim of the Council should be to provide conditions which might attract the very best of labour in the future.

I have to thank the members of the Council once again for their continued help and support.

To the members of my staff who have been so loyal and hardworking, I tender my thanks.

I am,

Ladies and Gentlemen,

Yours faithfully,

G. H. ALLERY,

Chief Sanitary Inspector and
Cleansing Superintendent.

Public Health Department,
Council Offices,
Bolton-upon-Bearne.

September 1944.

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY

1955

TO THE HONORABLE SENATE OF THE UNIVERSITY OF CHICAGO
FROM THE DEPARTMENT OF CHEMISTRY
SUBJECT: REPORT ON THE PROGRESS OF RESEARCH IN THE
DEPARTMENT OF CHEMISTRY DURING THE YEAR 1955

REPORT OF THE DEPARTMENT OF CHEMISTRY
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