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BOROUGH OF DARWEN



ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
INCLUDING THE ANNUAL REPORT
OF THE SENIOR PUBLIC HEALTH
INSPECTOR
FOR THE YEAR 1961

R. C. WEBSTER

B.Sc., M.D., D.P.H., D.C.H.

Medical Officer of Health

E. P. McGLYNN,

C.S.I.B., M.A.P.H.I.

Senior Public Health Inspector

B O R O U G H O F D A R W E N

=====

R E P O R T

on the

HEALTH and SANITARY

ADMINISTRATION

of the BOROUGH

FOR THE YEAR 1961

By

R. C. WEBSTER, B.Sc., M.D., D.P.H., D.C.H.

Medical Officer of Health

and

E. P. McGLYNN, C.S.I.B., M.A.P.H.I.

Senior Public Health Inspector

MEMBERS OF THE PUBLIC HEALTH COMMITTEE

1961-62

Mr. COUNCILLOR D. DAVIDSON, J.P. MAYOR

CHAIRMAN :

*ALDERMAN T. V. KEELAN, M.B.E.

VICE-CHAIRMAN :

*ALDERMAN A. KAY, J.P.

Ald. J. BRAITHWAITE	Coun. H. F. HASLAM
Ald. Miss M. BROUGHTON, J.P.	*Coun. C. W. JONES
Ald. P. S. HUNT	Coun. Miss C. MARSDEN
Ald. E. YATES, LL.B., J.P.	*Coun. J. McGLYNN
*Coun. Mrs. M. ASPDEN	*Coun. W. MOORE
Coun. A. BARNES	Coun. R. PARKINSON
Coun. W. BRADLEY	Coun. A. PRESTON
Coun. E. G. ENTWISTLE	Coun. G. RILEY
Coun. C. R. GRILLS	*Coun. G. W. SNAPE
Coun. G. HARWOOD	Coun. J. C. STUART

*Coun. J. WALMSLEY

JOHN CHADWICK FIELDING, LL.B.,

Town Clerk.

*Members of the Public Health Sub-Committee

STAFF of the PUBLIC HEALTH DEPARTMENT

=====


OFFICERS

Medical Officer of Health.....(	R. C. WEBSTER, B.Sc., M.D.,
Divisional Medical Officer,	D.P.H., D.C.H.
Lancashire County Council.....(
Deputy Medical Officer of Health....(	Sheila M. WHEELER, L.R.C.P.,
Senior Assistant Divisional	L.R.C.S., L.R.F.P. & S.,
Medical Officer,	D.R.C.O.G., D.P.H.
Lancashire County Council.....(	(Appointed 28/2/62)
Senior Public Health Inspector.....(	EDMUND P. McGLYNN, C.S.I.B.,
Inspector of Meat and Other Foods... (	Cert.Insp.Meat and Other Foods,
Director of Public Cleansing.....(	Smoke Insp. (Cert) M.A.P.H.I.,
	M.R.S.H.
	(
	H. RAMSBOTTOM, C.S.I.B., Cert.Insp.
	Meat and Other Foods, M.A.P.H.I.
District Public Health Inspectors... (
	P. H. WATSON, C.S.I.B., Cert.Insp.
	Meat and Other Foods, M.A.P.H.I.
Public Health Inspector's	(
Articled Pupil.....(	W. ENTWISTLE (Resigned 23/9/61)
	B. TAYLOR (Commenced 1/12/61)
Chief Clerk.....	J. BOLTON
	(
	Miss M. DUCKWORTH
	(
	Miss L. GREGORY
Clerical Staff.....(
	Mrs. O. B. PARRY
	(
	F. TOWNLEY

CLINICS and TREATMENT CENTRES

Name of Clinic or Centre	Situation	Day and Time	By Whom Provided
Child Welfare & Diphtheria Immunisation	Civic Health Centre	Monday.....2 p.m. Thursday.....2 p.m.	Lancashire County Council
Ante-Natal	Civic Health Centre	Tuesday.....10 a.m. Thursday.....10 a.m. Wednesday..... 2 p.m. 1st and 3rd Fridays.....9.30.a.m. (Specialist)	Lancashire County Council
Ante-Natal Relaxation	Civic Health Centre	Wednesday.....2 p.m.	Lancashire County Council
Speech Therapy	Civic Health Centre	Monday a.m. Thursday a.m. & p.m. (by appointment)	Lancashire County Council
Maternity & Child Welfare Dental and School Dental	Civic Health Centre	Monday to Friday 9.30.a.m. to 12.30.p.m. and 1.30.p.m. to 4.30. p.m. (by appointment)	Lancashire County Council
School Clinics	Civic Health Centre	Minor Ailments Monday to Friday 9.0. a.m. & 4 p.m. Saturday.....9 a.m. Tuesday.....2 p.m. (by appointment)	Lancashire County Council
Ophthalmic	Civic Health Centre	Monday a.m. (by appointment)	Lancashire County Council

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CLINICS and TREATMENT CENTRES

Name of Clinic or Centre	Situation	Day and Time	By Whom Provided
Ear, Nose and Throat	Civic Health Centre	Thursday a.m. (by appointment)	Lancashire County Council
Orthopaedic	Civic Health Centre	Wednesday 10.a.m. (by appointment)	Lancashire County Council
Chiropodist	Civic Health Centre	Monday a.m. Thursday a.m. (by appointment)	Lancashire County Council
Cardiac Clinic for Expectant and Nursing Mothers.	Health Department Victoria St. Blackburn	Alternate Tuesdays (by appointment)	Blackburn Corporation
Tuberculosis Dispensary	Royal Infirmary Blackburn	Thursday 9.15a.m. (by appointment)	Manchester Regional Hospital Board
Venereal Diseases	Royal Infirmary Blackburn	Males & Females Monday 2.p.m. to 4.p.m. 5 p.m.to 7.p.m. Wednesday 5.p.m. to 7.p.m. Thursday 2.p.m. to 4.p.m.	Manchester Regional Hospital Board
B.C.G. Vaccination Prevention of Tuberculosis	Royal Infirmary Blackburn	By appointment	Manchester Regional Hospital Board
Poliomyelitis	Civic Health Centre	Friday p.m. (by appointment)	Lancashire County Council



Civic Health Centre,
Darwen.

June, 1962.

To the Chairman and Members of the
Public Health Committee.

Ladies and Gentlemen,

I have pleasure in presenting to you the Annual Report of the
Public Health Department for 1961.

The infant mortality rate at 16 is a record low figure which
one finds almost too good to be true. Little more than 50
years ago my predecessor Dr. Haworth hoped to see it come down
to 100! This is the more astonishing when we realise this
level has been attained in an industrial town in the northern
half of England.

The main causes of death are those associated with the higher
ages. For cancer of lung and bronchus the death rate is 0.3 per
1,000 of the whole population, and is almost identical with last
year's figure.

Except for our old enemies, tiresome but not killers, measles
and dysentery, the incidence of infectious disease has been
negligible. New cases of tuberculosis have declined so much that
they are now rare.

I wish to thank the Committee for its consideration, and my
colleagues for their support throughout the year.

I am, Ladies and Gentlemen,

Your obedient Servant,

R. C. WEBSTER,

MEDICAL OFFICER OF HEALTH.

P A R T 1.

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Statistics and Social Conditions

General Provisions of the Health Services

Prevalence and Control of Infectious Diseases

B Y

R. C. WEBSTER, B.Sc., M.D., D.P.H., D.C.H.

MEDICAL OFFICER OF HEALTH.

SUMMARY of STATISTICS and SOCIAL CONDITIONS, 1961
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GENERAL
INFORMATION

Geographical Position.....	Lat. 53 ⁰ 41'25" N Lon. 2 ⁰ 28'32" W
Elevation above sea level....	500 ft. to over 800 ft.
Geological formation.....	Boulder clay and sand, over coal measures.
Area (in acres).....	5,959
Population - Census, 1961.....	29,452
Population - Registrar-General's Mid-year Estimate for 1961.....	29,610
Number of Inhabited Houses - Census 1961...	10,532
Number of Inhabited Houses at end of 1961..	10,568
Number of Families or Separate Occupiers at Census, 1961.....	10,532
Rateable Value.....	£306,314
Sum represented by a Penny Rate.....	£1,205

The inhabitants are mainly of the artisan, or working class, and the principal industries are cotton weaving, paper making and staining, plastic and paint manufacturing and engineering trades.

Of a total of 12,953 insured adult persons, the average per cent unemployed was 1.3. The corresponding figures for 1960 were :-

Insured adult persons	13,254
Average per cent unemployed	2.3

SUMMARY OF VITAL STATISTICS

=====

		<u>Males</u>	<u>Females</u>	<u>Total</u>	
LIVE BIRTHS	(Legitimate	237	235	472	Birth-rate per
	(Illegitimate	13	15	28	1,000 Estimated
	(<u>Total</u>	250	250	500	Home Population
	(	===	===	===	mid 1961.
					Crude 16.9
					Adjusted 18.2
STILL BIRTHS	(Legitimate	5	5	10	Rate per 1,000
	(Illegitimate	3	1	4	total Births:
	(<u>Total</u>	8	6	14	27.2
	(=	=	==	
DEATHS	(				Death-rate per
	(.....222		258	480	1,000 estimated
	(				home population
	(				mid-1961
					Crude 16.2
					Adjusted 15.9
MORTALITY RATES PER 1,000 EST. POPULATION	(Respiratory T.B.....				0.14
	(Malignant Neoplasms, etc.....				2.26
MATERNAL MORTALITY	(Deaths from Pregnancy, Childbirth and Abortion...				nil
	(Mortality Rate per 1,000 total Births.....				nil
INFANTILE MORTALITY (Infants under the age of one year)	(	<u>Males</u>	<u>Females</u>	<u>Total</u>	
	(Legitimate Infants.....	4	4	8	
	(Illegitimate Infants.....	nil	nil	nil	
	(<u>Total Deaths.....</u>	<u>4</u>	<u>4</u>	<u>8</u>	
	(===	===	===	
	(Rate per 1,000 Live Births.....				16

INFANTILE MORTALITY RATES

YEAR	DARWEN	ENGLAND AND WALES
1952	34	27.6
1953	24	26.8
1954	28	25.5
1955	23	24.9
1956	27	23.8
1957	26	23.0
1958	20.1	22.5
1959	28.4	22.0
1960	30.6	21.7
1961	16.0	21.4

OTHER INFANT DEATHS

	Total	Rate per 1,000 population
Deaths from Measles (at all ages)...	nil	0.000
Deaths from Whooping Cough (at all ages)...	nil	0.000
Deaths from Diarrhoea (under two years).....	nil	0.000

NEO-NATAL Deaths of Infants under 4 weeks of age.....5
MORTALITY Mortality Rate per 1,000 Live Births.....10.0

EARLY
NEO-NATAL Mortality Rate per 1,000 Live Births.....10.0
MORTALITY

PERINATAL Mortality Rate per 1,000 Total Births.....37.0
MORTALITY

Please Note :-

"Perinatal Mortality" shows the total number of stillbirths and total number of Infant Deaths during the first week of age."

BIRTHS. The number of live births registered during the year was 500, giving a birth-rate adjusted by comparison with the estimated home population of 18.2 per 1,000. The trend of this rate over the past ten years in comparison with the rate for England and Wales is shown in the following table -

YEAR	DARWEN				ENGLAND AND WALES	
	NUMBER OF BIRTHS			RATE PER 1,000	RATE PER 1,000	
	MALE	FEMALE	TOTAL			
1952	221	190	411	14.2		15.3
1953	223	240	463	16.1		15.5
1954	212	188	400	14.4		15.2
1955	211	222	433	15.6		15.0
1956	204	201	405	14.7		15.7
1957	224	207	431	15.6		16.1
1958	228	219	447	16.3		16.4
1959	238	220	458	16.8		16.5
1960	235	222	457	16.8		17.1
1961	250	250	500	18.2		17.4

ILLEGITIMATE BIRTHS - The following table shows the number of illegitimate births and deaths for the past ten years :-

YEAR	Number of Births	Rate per cent of Live Births	No. of Deaths under 1 year	Death Rate per 1,000 Illegitimate Live Births
1952	17	4.13	nil	nil
1953	16	3.45	nil	nil
1954	12	3.00	nil	nil
1955	18	4.15	nil	nil
1956	21	5.18	2	95
1957	29	6.72	nil	nil
1958	26	5.45	nil	nil
1959	18	3.93	nil	nil
1960	19	4.15	nil	nil
1961	28	5.60	nil	nil

STILLBIRTHS - The table given below sets out details relating to stillbirths for the past ten years :-

YEAR	Number of Stillbirths			Rate per 1,000 Births	Rate per 1,000 Population	
	Legitimate	Illegitimate	Total		Darwen	England & Wales
1952	11	3	14	33	0.45	0.35
1953	16	1	17	35	0.55	0.35
1954	13	nil	13	31	0.42	0.36
1955	3	nil	3	7	0.09	0.35
1956	7	1	8	19	0.26	0.37
1957	12	nil	12	27	0.40	0.37
1958	10	nil	10	21.9	0.33	0.36
1959	14	nil	14	29.7	0.47	0.35
1960	16	nil	16	33.8	0.54	0.34
1961	10	4	14	27.2	0.47	0.33

DEATHS - The number of deaths of Darwen residents which occurred during the year was 480, representing an adjusted death-rate per 1,000 of the population of 15.9

The trend of the death-rate of the Borough for the past ten years is shown below in comparison with the rate for England and Wales :-

YEAR	DARWEN		ENGLAND AND WALES
	TOTAL DEATHS	RATE PER 1,000	RATE PER 1,000
1952	473	13.6	11.3
1953	438	12.7	11.4
1954	493	14.8	11.3
1955	464	14.0	11.7
1956	462	15.2	11.7
1957	436	14.4	11.5
1958	507	16.7	11.7
1959	472	15.7	11.6
1960	430	14.3	11.5
1961	480	15.9	12.0

The following is a copy of the information supplied by the Registrar-General of the causes and sex distribution of deaths of Darwen residents. The information does not include non-civilian deaths :-

CAUSE OF DEATH	MALES	FEMALES	TOTAL
Tuberculosis, Respiratory.....	3	1	4
Tuberculosis, Other.....	-	-	-
Syphilitic Disease.....	-	-	-
Diphtheria.....	-	-	-
Whooping Cough.....	-	-	-
Meningococcal Infections.....	-	1	1
Acute Poliomyelitis.....	-	-	-
Measles.....	-	-	-
Other Infective & Parasitic Diseases....	-	-	-
Malignant Neoplasm, Stomach.....	8	4	12
Malignant Neoplasm, Lung, Bronchus.....	8	1	9
Malignant Neoplasm, Breast.....	-	3	3
Malignant Neoplasm, Uterus.....	-	6	6
Other Malignant & Lymphatic Neoplasms...	14	22	36
Leukaemia, Aleukaemia.....	1	-	1
Diabetes.....	1	4	5
Vascular Lesions of Nervous System.....	36	57	93
Coronary Disease, Angina.....	48	33	81
Hypertension with Heart Disease.....	4	8	12
Other Heart Disease.....	17	40	57
Other Circulatory Disease.....	5	9	14
Influenza.....	1	4	5
Pneumonia.....	9	7	16
Bronchitis.....	28	18	46
Other Diseases of Respiratory System....	2	1	3
Ulcer of Stomach and Duodenum.....	4	2	6
Gastritis, Enteritis and Diarrhoea.....	1	1	2
Nephritis and Nephrosis.....	1	2	3
Hyperplasia of Prostate.....	5	-	5
Pregnancy, Childbirth, Abortion.....	-	-	-
Congenital Malformations.....	-	1	1
Other Defined & Ill-Defined Diseases....	12	18	30
Motor Vehicle Accidents.....	4	2	6
All Other Accidents.....	5	8	13
Suicide.....	5	5	10
Homicide and Operations of War.....	-	-	-
TOTALS.....	222	258	480

GENERAL PROVISIONS OF HEALTH SERVICES

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A comprehensive range of services is maintained by the Local Health Authority, Lancashire County Council, including Ante-Natal Clinics, Child Welfare Clinics, Speech Therapy Clinics and other School Health Services - Medical and Dental.

Ambulance service is provided by Lancashire County Council.

Hospital services are provided by Manchester Regional Hospital Board, including general hospital facilities in Blackburn and a Maternity Home in the former Darwen Infectious Diseases Hospital at Bull Hill.

LABORATORY FACILITIES

The Pathological and Bacteriological Department of the Blackburn and East Lancashire Royal Infirmary undertake the examination of pathological specimens for the Borough of Darwen, in accordance with the Government scheme now being officially carried out in this area by the Manchester Regional Hospital Board.

The bacteriological examination of food, water and other non-personal specimens is carried out by the Public Health Laboratory, Preston, acting for the Medical Research Council of the Ministry of Health.

PREVALENCE AND CONTROL OF INFECTIOUS DISEASES

The numerical and age incidence of infectious diseases, other than tuberculosis, is shown in the following table, which includes particulars of Darwen cases notified and accepted, cases removed to hospital, and deaths from infectious diseases. The so-called minor infectious diseases, other than measles and whooping cough, are not included in the table, as they are not notifiable in Darwen and, therefore, statistics as to their incidence are not reliable.

DISEASE	Total Cases at all Ages	Cases Notified and Accepted										TOTAL DEATHS	Hospital	
		Years											Cases removed	Deaths in Hospital
		Under 1	1	2	3	4	5	10	15	25 & over				
Smallpox.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever..	47	-	-	1	2	1	30	13	-	-	-	-	9	-
Diphtheria (including Membranous Croup).....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enteric or Typhoid Fever (excluding Paratyphoid)...	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles(excluding Rubella....	180	8	25	39	30	24	50	4	-	-	-	-	-	-
Whooping Cough.	8	2	1	1	2	1	1	-	-	-	-	-	-	-
Acute Pneumonia (Primary and Influenzal)....	2	-	-	-	-	-	-	-	-	2	-	-	1	-
Puerperal Pyrexia.....	2	-	-	-	-	-	-	-	2	-	-	-	1	-
Meningococcal Infection.....	1	-	-	-	1	-	-	-	-	-	1	-	-	1
ACUTE POLIO-MYELITIS:-														
Paralytic....	1	-	-	-	1	-	-	-	-	-	-	-	1	-
Non-Paralytic.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACUTE ENCEPHALITIS:-														
Infective....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-Infectious.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery.....	120	5	8	12	8	16	23	9	10	29	-	-	3	-
Ophthalmia Neonatorum....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MALARIA:-														
Contracted in England & Wales	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Abroad.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning.	3	-	-	-	-	1	1	-	1	-	-	-	-	-
TOTALS:-	364	15	34	53	44	43	105	26	13	31	1	-	15	1

The following table gives the comparative incidence of
Infectious Diseases during the past five years :-

DISEASE	1957	1958	1959	1960	1961
Smallpox.....	-	-	-	-	-
Scarlet Fever.....	85	30	45	26	47
Diphtheria (including.....	-	-	-	-	-
Membranous Croup).....	-	-	-	-	-
Enteric or Typhoid Fever.....	-	-	-	-	-
(excluding Paratyphoid).....	-	-	-	-	-
Paratyphoid Fever.....	-	-	-	-	-
Measles (excluding Rubella)....	395	307	27	902	180
Whooping Cough.....	36	4	42	120	8
Acute Pneumonia (Primary &.....	-	-	-	-	-
Influenzal.....	18	5	14	8	2
Puerperal Pyrexia.....	2	4	5	2	2
Meningococcal Infection.....	-	-	-	-	1
ACUTE POLIOMYELITIS :					
Paralytic.....	2	-	-	-	1
Non-Paralytic.....	-	-	-	-	-
ACUTE ENCEPHALITIS :					
Infective.....	-	-	-	-	-
Post-Infectious.....	-	-	-	-	-
Dysentery.....	-	-	121	-	120
Ophthalmia Neonatorum.....	-	-	-	-	-
Erysipelas.....	1	-	2	-	-
MALARIA :					
Contracted in England & Wales..	-	-	-	-	-
Abroad.....	-	-	-	-	-
Food Poisoning.....	-	2	3	5	3
TOTALS :-	539	352	259	1063	364

TUBERCULOSIS

Cases of Tuberculosis were admitted to various Sanatoria under the Regional Hospital Board.

The Tuberculosis Scheme is administered by the Lancashire County Council and Regional Hospital Board, but the Area Tuberculosis Officer and Nurse maintain close co-operation with the Public Health Department, furnishing particulars about housing conditions and environment generally. The necessary disinfection is carried out by the Public Health Department.

The following table shows the age group incidence of new cases of tuberculosis notified, and the deaths from the disease, during 1961 :-

AGE PERIODS	NEW CASES				DEATHS			
	Respiratory		non-Respiratory		Respiratory		non-Respiratory	
	M	F	M	F	M	F	M	F
Years								
0 - 1.....	-	-	-	-	-	-	-	-
1 - 2.....	-	-	-	-	-	-	-	-
2 - 5.....	-	-	-	-	-	-	-	-
5 - 10.....	-	-	-	-	-	-	-	-
10 - 15.....	-	-	-	-	-	-	-	-
15 - 20.....	-	-	-	-	-	-	-	-
20 - 25.....	-	-	-	-	-	-	-	-
25 - 35.....	-	2	-	-	-	-	-	-
35 - 45.....	1	-	-	-	-	-	-	-
45 - 55.....	-	-	-	-	1	-	-	-
55 - 65.....	3	-	-	-	2	1	-	-
65 - 75.....	-	-	-	-	-	-	-	-
75 & upwards...	1	-	-	-	-	-	-	-
	5	2	-	-	3	1	-	-
Totals.....	7		-		4		-	

The following table shows the number of new cases of
Tuberculosis placed on the Register during the last 10 years:-

YEAR	Respiratory		Non-Respiratory		TOTAL
	Male	Female	Male	Female	
1952	11	10	2	3	26
1953	9	2	7	5	23
1954	5	6	-	2	13
1955	6	6	1	6	19
1956	9	5	2	-	16
1957	9	2	2	-	13
1958	11	3	2	1	17
1959	7	3	2	2	14
1960	4	5	-	-	9
1961	5	2	-	-	7

NATIONAL
ASSISTANCE
ACT, 1948
& 1951
Section 47

No action taken under this
Section

P A R T 11.

=====

ENVIRONMENTAL HYGIENE

Sanitary Circumstances of the Area
(including Public Cleansing)
Housing, and
Inspection and Supervision of Food.

B Y

E. P. McGLYNN, Esq., M.R.S.H., M.A.P.H.I., etc.

Senior Public Health Inspector
and
Director of Public Cleansing

SANITARY CIRCUMSTANCES OF THE AREA

=====

WATER

RESERVOIRS - Water is supplied on the constant system from the following reservoirs - Sunnyhurst Hey, Earnsdale and Bull Hill, of which the first two are open, and the last closed. All the water is from moorland gathering grounds. Water in the Bull Hill Reservoir is supplied from Bolton. Two supplementary water supplies are also available when required from a borehole in the centre of the town and a mineshaft at Eccleshill piped to Sunnyhurst Reservoir.

PURIFICATION - All water is sandfiltered and chlorinated.

SUPPLY - The approximate number of dwelling houses supplied direct is 11,164.

SAMPLING

CHEMICAL - Three samples of water from public supplies were submitted for analysis during the year. Two were satisfactorily reported upon and one was unsatisfactorily reported upon.

BACTERIOLOGICAL - Thirteen samples of drinking water from Public Supplies and nine samples of drinking water from private supplies were submitted for bacteriological examination. Eight samples from the Public Supplies were satisfactorily reported upon, five samples were unsatisfactorily reported upon.

Four samples from the Private Supplies were satisfactorily reported upon, whilst five samples were unsatisfactorily reported upon.

Further samples of these supplies are being taken periodically. Users are advised on precautionary measures.

SEWERAGE,
DRAINAGE
AND CLOSET
ACCOMMODATION.

The table below gives the closet accommodation in the Borough :

Pails.....	117
Water Closets.....	13,139
Waste Water Closets.....	750
Cesspools.....	0
	<u>-----</u>
Total.....	14,006
	<u>=====</u>

Conversions and Installations during 1961 :-

New Water Closets fixed.....	208
Waste Water Closets converted to Water Closets	62
Latrine Closets converted to Water Closets....	0
Pail Closets converted to Water Closets.....	0
Baths installed during the year.....	179
Showers installed during the year.....	1
Urinals installed during the year.....	4
Waste Water Closets dismantled.....	0
Water Closets dismantled.....	40

Routine testing, inspection, repair and renewal of existing drains and sewers continued within the limits of availability of staff, material and labour.

It is hoped that closet conversions will gradually result in the total abolition of the 750 waste water closets, and if the present rate of progress continues, this will take only another five years.

RIVERS
and
STREAMS

The river is still somewhat polluted by industrial waste effluents, though rather less than in previous years. In addition there is a certain amount of material dumped in the river by children and careless householders.

The river is frequently inspected and every effort made to prevent pollution wherever the sources are discoverable.

SANITARY INSPECTION OF THE AREA	Number of houses visited.....	502
	Number of houses visited (Housing Consolidated Regulations, 1925 to 1932)....	40
	Number of inspections of schools.....	6
	Number of inspections of factories and workplaces.....	308
	Number of inspections of Municipal Hostel..	52
	Number of inspections of bakehouses.....	115
	Number of inspections of dairies & cowsheds	0
	Number of inspections of refuse tips.....	228
	Complaints received and investigated.....	319
	Number of re-inspections made.....	4,686
	Visits paid to houses (re cases of Infectious Diseases).....	67
	Number of rooms disinfected.....	11
	Number of smoke observations taken.....	5
	Number of drains, etc., tested.....	287
	Total number of defects discovered.....	795
	Informal Notices served.....	795
	Statutory Notices served.....	99
	Number of nuisances abated, including outstanding nuisances from previous year...	1,518
LIST OF NUISANCES DISCOVERED	Defective drains.....	94
	Choked and defective sewers.....	37
	Defective soil pipes and water closets.....	11
	Defective downspouts, easing troughs, roofs and external walls.....	50
	Defective plastering.....	98
	Defective roofs and damp walls.....	71
	Dirty houses and premises.....	0
	Dangerous buildings.....	6
	Dirty and dilapidated closet buildings.....	42
	Accumulations of refuse.....	108
	Defective or uneven gullies.....	13
	Insanitary sinks.....	5
	Defective fire-ranges.....	15
	Broken slop-pipes.....	4
	Defective flushing cisterns.....	0
	Choked waste water closets.....	32
	Choked water closets.....	23
	Insanitary yards.....	10
	Defective internal floors.....	36
	Insufficient ventilation.....	40

... continued ...

... continued ...

Burst water pipes.....	2
Defective wash boilers.....	0
*Miscellaneous nuisances.....	190

*The miscellaneous nuisances include such items as defective pointing, defective woodwork of doors, defective pointing and putty around windows, etc.

SHOPS: FOOD

1,970 routine and special inspections were made of meat, fish and other food shops and market stalls under the Food Hygiene Regulations. Advice was given as necessary, and various works of improvement initiated. These consisted principally of the installation of requisite washing facilities, and of counter and shelf fittings designed to prevent contamination of food.

INSPECTIONS UNDER SHOPS ACT, 1950

Routine inspections are made and special inspections as occasion requires, but pressure of other work, especially housing, has limited visitation somewhat.

SMOKE ABATEMENT

Five smoke observations were taken during the year, and advice and instructions to stokers on firing and use of fuel, to secure as far as possible the prevention of black or heavy smoking, were given. There is a gradual but noticeable reduction of smoke taking place from factory chimneys and factory owners now seem to be fully alerted to the necessity of preventing smoke emission.

SMOKE CONTROL AREAS

The survey for the town's first Smoke Control Area was nearing completion at the end of the year.

DISINFEST- ATION

During the year ninety-one houses were found to be infested with vermin, chiefly cockroaches. All of these had been disinfested by the end of the year, gaseous fumigation and spraying being the methods employed.

OFFENSIVE TRADES

The following are established in the district :- Two tripe boilers, one fat extractor and one fat melter.

MUNICIPAL
HOSTEL

This is the only common lodging house in the town and is municipally owned and managed. The average daily number of lodgers for the year was :-

Males.....	137.95
Females.....	12.59

FACTORIES

Three hundred and eight routine and special visits were paid to factories with and without mechanical power during the year for purposes of the provisions as to health. Defects found (chiefly in connection with sanitary conveniences) were notified to occupiers and by the end of the year, were either completed or in hand. Routine visiting of factories has been stepped up considerably since the last Report.

As previously, the fullest co-operation was maintained between the Department and H.M. Inspector of Factories.

CHIEF
SANITARY
REQUIREMENTS
OF THE
DISTRICT

The chief sanitary requirements of the district are :-

The conversion of pail and waste water closets;

The paving, culverting, embanking and, as far as possible, purification of the river;

The clearance of derelict and neglected sites;

The paving of back streets and unmade roads;

The reduction of the number of private water supplies and the purification and protection of the remainder.

PUBLIC CLEANSING

=====

The whole of this important sanitary service is under the control of the Public Health Department. It comprises the collection and disposal of household and trade refuse and the cleansing of streets.

VEHICLES

The refuse collection and disposal service is completely mechanised. The tractor-drawn trailer tank for nightsoil collection is now in use for one day per week only.

REFUSE COLLECTION

Reference was made in a recent Annual Report to the great difficulties experienced by the Department in keeping the refuse collection frequency at a reasonable level during the winter months. Full particulars were given there of the various factors which have arisen during the past 20 years which affect the position.

The whole of the service has since been put under review, and schemes prepared by a firm of consultants with a view to improving collection frequency.

REFUSE DISPOSAL

The system of controlled tipping continues to be operated at the Corporation-owned Bull Hill Tip - the only one now in use. It is situated near the Southern boundary of the Borough which makes the length of haul from the Northern half somewhat excessive.

SALVAGE

The pre-separation of salvable material from household refuse is still conscientiously carried out by the bulk of householders.

The following is a summary of the materials sold during the year :-

	<u>Tons</u>	<u>Cwts.</u>
Clean Waste Papers.....	487	4
Ferrous Metals - Baled Tins.....	nil	nil
Ferrous Metals - Black Scrap.....	26	5 $\frac{1}{4}$
Non-Ferrous Metals.....	1	7
Textiles - Rags, Carpets.....	5	13 $\frac{3}{4}$
Total.....	520	10

The total value of the salvaged materials sold was.....£3,717.

The price of waste paper was steady at £7 per ton, keeping it level with container waste until November when it was reduced by 10/- per ton.

A large Nissen type hut sited at Bull Hill Tip is used for sorting and baling waste paper and rags, and separating metals for disposal. Paper and container waste are mechanically baled.

As from October, 1959, the Corporation ceased to process waste food and rented the buildings and plant to a local pig-keeper, whom they licensed and to whom they continue to deliver the waste food collected by them.

SUMMARY

The following is a summary of the work done during 1961. It should be noted that the weights given below are estimated.

	<u>Tons</u>	<u>Cwts.</u>	<u>Qrs.</u>
House Refuse to Tip (3,738 loads).....	5,980	16	0
Market and Trade Refuse to Tip (365 loads).....	553.	10.	0.
Receptacles emptied (House refuse).....	352,675		
Receptacles emptied (Trade refuse).....	24,667		
Excreta.....		105 loads	
Excreta pails emptied.....	2,542		
Sludge from street gullies		295 loads	
Street gullies emptied....	15,818		
Sweepings: Bins from street orderly trucks.....	3,370		
Sweepings: Manulectric Trucks.....		776 loads	
Number of portable refuse receptacles.....	12,516		
Length of streets swept by Mechanical sweeper.....		2,199 miles	
Length of streets swept by Manulectric trucks.....		1,815 miles	

H O U S I N G

=====

The table below gives particulars of action taken specifically under the provisions of the Housing Acts in contradistinction to action under the Public Health Acts.

STATISTICS

Number of new houses erected during the year -

(a)	Total (including numbers given separately under (b)).....	40
(i)	By Local Authority.....	0
(ii)	By other Local Authorities.....	0
(iii)	By other bodies or persons.....	40
(b)	With State assistance under the Housing Acts -	
(i)	By the Local Authority (included under (a)(i) above).....	0
(ii)	By other bodies (included under (a)(iii) above).....	0

I Inspection of dwelling-houses during the year -

(1)(a)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	51
(b)	Number of inspections made for the purpose.....	502
(2)(a)	Number of dwelling-houses (included under sub-head (1) above which were inspected and recorded under the Housing Consolidated Regulations 1925 to 1932).....	40
(b)	Number of inspections made for the purpose.....	40
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation.....	59

... continued ...

STATISTICS
(continued)

I	(4)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation.....	17
II		Remedy of defects during the year without service of formal notices -	
		Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers.....	1
III		Action under statutory powers during the year -	
	(1)	Proceedings under Sections 9, 10 and 12 of the Housing Act, 1957	
	(a)	Number of dwelling-houses in respect of which notices were served requiring repairs -	
		Preliminary.....	14
		Statutory.....	10
	(b)	Number of dwelling-houses which were rendered fit after service of formal notices -	
	(i)	By owners.....	0
	(ii)	By Local Authority in default of owners.....	5
	(2)	Proceedings under Public Health Acts -	
	(a)	Number of dwelling-houses in respect of which notices were served requiring defects to be remedied.....	0
	(b)	Number of dwelling-houses in which defects were remedied after service of formal notices -	
	(i)	By owners.....	0
	(ii)	By Local Authority in default of owners.....	0

... continued ...

STATISTICS
(continued)

III (3)	Proceedings under Sections 16 and 17 of the Housing Act, 1957.	
(a) (i)	Number of dwelling-houses in respect of which Demolition Orders were made....	55
(ii)	Number of dwelling-houses in ownership of Local Authority dealt with in accordance with Section 3 (3a) of the Housing Subsidies Act 1956, as directed in Appendix II of Circular 33/56 with a view to demolition.....	0
(b)	Number of dwelling-houses demolished in pursuance of Demolition Orders.....	57
	(This figure includes nine houses demolished informally by owners upon vacation by tenants.)	
(c)	Number of houses demolished where action has been taken under Section 53 of the Over Darwen Improvement Act, 1879.....	0
(d)	Number of dwelling-houses closed as a result of Closing Orders made under Section 16 and 17 of the Housing Act, 1957.....	15
(4)	Proceedings under Section 18 of the Housing Act, 1957.	
(a)	Number of separate tenements or underground rooms in respect of which Closing Orders were made.....	0
(b)	Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit.....	0
(5)	Houses closed informally by owners.....	0

... continued ...

STATISTICS
(continued)

III	(6)	Proceedings under Sections 42 and 43 of the Housing Act, 1957.	
		Number of dwelling-houses demolished as a result of Clearance or Compulsory Purchase Orders.....	71
IV		Housing Act, 1957 Part IV - Overcrowding -	
	(1)	(a) Number of dwellings overcrowded at the end of the year.....	0
		(b) Number of families dwelling therein.....	0
		(c) Number of persons dwelling therein.....	0
	(2)	Number of new cases of overcrowding reported during the year.....	0
	(3)	(a) Number of cases of overcrowding relieved during the year.....	0
		(b) Number of persons concerned in such cases.	0
V		Housing Acts, 1949 - 1958	
	(1)	(a) Number of schemes submitted -	
		(i) By private individuals to Local Authority.	13
		(ii) By Local Authority to Ministry.....	0
		(b) Number of dwelling-houses affected.....	13
	(2)	(a) Number of schemes approved -	
		(i) Of private individuals.....	13
		(ii) Of the Local Authority.....	0
		(b) Number of dwelling-houses affected.....	13
		(c) Number of additional separate dwellings provided.....	0

OVERCROWDING

"Overcrowding" as to mixed sexes in families, not involving legal overcrowding has been fairly common in two-bedroomed houses, but is gradually being reduced.

GENERAL OBSERVATIONS

The chief difficulty in housing work is the inability to secure extensive repairs by informal action, with the result that statutory procedure has to be invoked, with all the additional work and time involved.

A further 35 houses of varying types and sizes have been acquired by the Corporation at the instance of, and by agreement with, the owners, making a total of 215 houses so far taken over, of which 26 were in Housing Clearance or Redevelopment Schemes. Those not in such Schemes have been, or are to be, repaired. Some of the others have been patch-repaired for temporary occupancy pending final clearance.

Inspection, survey and repair proceeded steadily throughout the year.

INSPECTION AND SUPERVISION OF FOOD

=====

SAMPLING

MILK

BIOLOGICAL. 111 samples were submitted for guinea pig inoculation. 106 were reported as negative and 5 guinea pigs died of an intercurrent infection too early for diagnosis of tuberculosis. In these latter cases repeat samples were taken.

BACTERIOLOGICAL. 127 samples were examined during the year. 107 were satisfactorily reported upon, 13 were unsatisfactorily reported upon, and 7 were void. The reports were passed on for appropriate action to the Divisional Milk Officer.

CHEMICAL ANALYSIS OF MILK - See Tables I and II below.

MEAT AND OTHER FOODS

The Public Abattoir was closed in June 1941, in pursuance of a Ministry of Food Scheme for further centralising slaughtering.

Butchers' and other food shops, stalls and vehicles, and premises used for the preparation of human food are regularly inspected.

The amount of food examined, certified unfit, and either destroyed or utilised, after sterilisation, for animal feeding-stuffs, was as shown in Table III on Page 36.

No legal proceedings were necessary in respect of unsound food during the year.

FOOD AND DRUGS

The Local Authority, by direction of the Minister, is the Food and Drugs Authority for the Borough.

Close co-operation is maintained with the Public Analyst, whose advice and help are always available and much valued.

The quality of the food sold in the district is generally good.

CHEMICAL ANALYSIS OF OTHER FOODS -

See Table I

TABLE I - SAMPLES REPORTED GENUINE

=====

No. of Samples	Description	Formal	Informal
46	Milk.....	46	-
1	Pressed Beef.....	-	1
1	Beef Brawn.....	-	1
2	Pork Sausage.....	-	2
3	Ice Cream.....	-	3
1	Blackcurrant Health Drink.....	-	1
1	Buttercup Syrup.....	-	1
1	Beef Sausage.....	-	1
1	Korpusdoon.....	-	1
1	Blood Purifying Herbs.....	-	1
1	India Brandee.....	-	1
1	Milk Shake Syrup.....	-	1
1	Salmon & Shrimp with Butter.....	-	1
1	Lard.....	-	1
1	Butter.....	-	1
1	Lem-Slim.....	-	1
1	Margarine.....	-	1
1	Tea.....	-	1
1	Evaporated Milk.....	-	1
1	Stewed Steak.....	-	1
1	Cough Mixture.....	-	1
1	Elder Flowers & Peppermint with Composition Essence.....	-	1
1	Golden Life Buds.....	-	1
1	Refined Bicarbonate of Soda.....	-	1
1	Pure Wheat Embryo.....	-	1
1	Whisky Chocolate.....	1	-
1	Mincemeat.....	-	1
1	Christmas Pudding.....	-	1
1	Fruitarian Sandwich.....	-	1
1	Sago.....	-	1
1	Black Grape Jelly.....	-	1
2	Gin.....	2	-
2	Whisky.....	2	-
1	Rum.....	1	-
1	Brandy.....	1	-
1	Vodka.....	1	-
1	Dubonnet.....	1	-
1	Apricot Brandy.....	1	-
1	Vermouth.....	1	-
1	Martini.....	1	-
1	Advocaat.....	1	-

TABLE II - SAMPLES REPORTED NOT GENUINE

Cons- No.	No. of Samples	Descrip- tion	Formal	Infor- mal	Result	Action Taken
1	1	Pork Sausage		x	Meat content 71% contained 250 parts per million of sulphite preservative (expressed as sulphur dioxide) without declaration	Vendor communicated with
2	1	Limmits		x	List of in- -gredients voluntarily declared on loose inter- nal label incomplete (omits fats, cornflour & carboxymeth- yl cellulose) and not spec- ified in the order of the proportion in which ingredients were used.	Manufacturer communicated with
3	1	Milk	x		Deficient 6.6% fat	Vendor notified

TABLE III - SHOWING AMOUNT AND NATURE OF FOOD
CONDEMNED DURING 1961

=====

Amount	Nature of Food	Amount	Nature of Food
185 tins	Assorted Fruit	44 tins	Assorted Vegetables
9 tins	Ox Tongue	10 tins	Luncheon Meat
13 tins	Corned Beef	4 tins	Lunch Tongue
25 tins	Ham	12 tins	Fish
40 tins	Tomatoes	32 tins	Assorted Soups
17 tins	Milk	5 tins	Cream
1 tin	Pork Shoulder	28 tins	Minced Pork
1 tin	Potted Meat	1 tin	Chopped Pork
1 tin	Corned Mutton	1 tin	Cooked Shoulder
12 tins	Creamed Rice	6 tins	Stewed Steak
1 tin	Strained Pineapple with Rice	1 tin	Pomodoro Pelati
1 tin	Tomato Juice	2 tins	Creamed Sago
1 tin	Steak and Onions	1 tin	Spaghetti Milanase
1 tin	Fork Sausage	2 jars	Chicken Fillets
2 tins	Spaghetti with Tomato and Cheese	3 tins	Casserole Steak and Onions
1 tin	Irish Stew	1 tin	Orange Juice
1 tin	Spaghetti	1 tin	Baked Beans with Pork Sausage
45 pkts	Coated Lemon Mallows	40 lbs	Pink and White Mallows
510 pkts	Mallow Creams	4 pkts	Mixed Fruit
19½ lbs	Smoked Bacon	1 pkt	Cheddar Cheese
1 pkt	Currants	11¼ lbs	Pork Loin

RATS AND MICE DESTRUCTION

=====

Investigation and disinfection proceeded steadily throughout the year, and it has become increasingly obvious that the initial survey and co-ordinated treatments, and especially the comprehensive and radical treatment of the sewers, have reduced to a low level the degree of infestation in the town. This has been maintained now for fifteen years, and it is expected that regular re-survey, sewer maintenance treatment and block control, will keep it there or still further reduce it.

The following table gives a summary of the work done throughout the year :-

No. of Premises Inspected	No. of Premises found Infested	No. of Treatments carried out		Estimated kill of rats	Cum. total of rats killed since inception of service
		Full	Test		
199 (including 29 hen-pens)	95	97	100	210	33,581

SEWER TREATMENTS

Date	Number of Manholes Treated	Estimated Kill
May	420	43
October	90	11

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