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Contributors

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ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

for the

RURAL DISTRICT OF HAWARDEN

FOR THE YEAR 1954.





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Gentlemen,

I have the honour to present to you my Annual Report on the health of the Hawarden Rural District for the year 1954.

The Registrar General's estimated population for mid-year 1954 is 34,980, an increase of 250 over the estimated population of 34,730 in mid 1953.

The birth rate, death rate and case rates for certain infectious diseases are based on this population figure of 34,980, whilst both birth and death rates are corrected by applying a comparability factor of 1.03 in the case of births and 1.17 in the case of deaths.

The total number of live births in 1954 was 544, this being 38 less than in 1953, when total live births numbered 582. The birth rate for the year being 16.3 per 1,000 of the home population as compared with a birth rate of 16.7 in 1953, and a rate of 15.2 for England and Wales in 1954.

The total number of deaths from all causes during the year was 349, as compared with 318 in 1953 an increase of 31. The death rate for 1954 is 11.6 per 1,000 of the home population as compared with a rate for England and Wales of 11.3 and a rate of 10.41 for the District in 1953.

There were 14 deaths in infants under the age of 1 year, 1 less than in 1953. The infantile mortality rate is 25.7 per 1,000 live births as compared with a rate of 25.5 for England and Wales and a rate for the District of 25.8 in 1953. A table analysing the causes of infantile deaths and further comments are embodied in the report.

The principal cause of death was disease of the heart and circulatory system (17-21 inclusive in the Table - Causes of Death) which group of diseases accounted for 181 of the 349 deaths which occurred during the year, that is 51.8% of all deaths. Cancer (all forms) accounted for 67 of the 349 deaths which is 16.3% of the total, and together with disease of the heart and circulatory system accounted for 248 or 68.1% of the total deaths. Last year the comparative figures for these two groups of diseases were 209 or 65.7% of all deaths. Cancer of the lung and bronchus was the cause of 10 deaths an increase of 4 over the last year's figure. A further note on deaths from cancer is included in the report.

Of the total number of deaths 47.6% occurred in persons over the age of 70 years and 39.2% in the age group 45-69 years, so that 86.8% of the total deaths occurred in people over the age of 45 years.

Tuberculosis was the cause of death in 3 persons, a rate of 0.08 per 1,000 of the population as compared with a rate of 0.19 for England and Wales.

For the seventh year in succession there were no deaths from diphtheria nor was any confirmed case notified.

As regards infectious diseases the incidence of measles fell from 291 cases notified in 1953 to 277 cases notified in 1954. Scarlet fever was less than in 1953 when 19 cases were notified as compared with 9 this year. Tuberculosis too showed a decline in the number of notified cases from 61 in 1953 to 44 in 1954. There were no cases of poliomyelitis. One case of food poisoning was notified.

Housing continued to occupy the active interest of your Health Department, and your Sanitary Inspectors continued their work of inspections and enquiries into the environmental circumstances of housing applicants.

To conclude, Gentlemen, I thank the Chairman and Members of the Health Committee for their support and help during the year. Your Clerk, Mr. L.G. Watson, has always been ready with help and advice, your Surveyor, Mr. G.I. Reidford, has co-operated in every way and your Sanitary Inspectors, Mr. Thomas and Mr. Williams have continued their loyal support, and I wish to thank them and all your officials for their continued assistance during the year.

I have the honour to be, Gentlemen,

Your obedient Servant,
A. CATHCART,
Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

	<u>1950.</u>	<u>1951.</u>	<u>1952.</u>	<u>1953.</u>	<u>1954.</u>
Area (in acres)	31,576	31,576	31,576	31,576	31,576
Population (census 1951) (1931)	26,570	34,659	34,659	34,659	34,659
Population (Estimated June 1952) ...	34,950	34,900	35,030	34,730	34,980
Density	1.1	1.1	1.1	1.1	1.1
Number of Inhabited Houses according to Rate Books	9,047	9,102	9,187	9,468	9,778.
Number of Houses completed during ..					
	<u>1950</u>	<u>1951</u>	<u>1952</u>	<u>1953</u>	<u>1954</u>
Local Authority	140	72	50	226	237.
Private	38	26	35	55	73.
Number of occupied houses owned by Local Authority	2,014	2,006	2,136	2,362	2,599.
Rateable Value	£171,776	174,973	178,474	181,013	188,094.
Sum represented by Id. Rate	£680	£689	£717	£730	£774.
Births	622	597	570	582	544
Birth Rate per 1,000	17.8	17.1	16.3	16.7	16.3
Deaths	360	394	319	318	349
Death Rate per 1,000	10.3	11.2	10.3	10.4	11.6
Infantile Mortality Rate per 1,000 live births	32.1	23.4	26.3	25.8	25.7
Death Rate from all forms of Tuberculosis per 1,000	0.25	0.37	0.19	0.14	0.08

EXTRACTS FROM THE VITAL STATISTICS
FOR THE YEAR.

ESTIMATED MID-YEAR HOME POPULATION

34,980.

COMPARABILITY FACTORS.

Births	Deaths
1.03	1.17

LIVE BIRTHS.

	M.	F.	Total	Birth rate per 1,000 Home Population.
Total	274	270	544	16.3
Legitimate	257	257	514	
Illegitimate	17	13	30	

STILL BIRTHS.

	M.	F.	Total	Rate per 1,000 Total (Live and Still Births)
Total	8	3	11	19.8
Legitimate	8	3	11	
Illegitimate	-	-	-	

DEATHS OF INFANTS UNDER 1 YEAR OF AGE.

	M.	F.	Total	Infantile Mortality 25.7 per 1,000 live births
Total	9	5	14	
Legitimate	9	4	13	Rate per 1,000 legitimate live births 25.3
Illegitimate	-	1	1	Rate per 1,000 illegitimate live births 33.3

DEATHS OF INFANTS UNDER 4 WEEKS OF AGE.

	M.	F.	Total
Total	6	5	11
Legitimate	6	4	10
Illegitimate	-	1	1

CAUSES OF DEATH.

	1954	
	Male	Female
1. Tuberculosis - Respiratory	1	2
2. Tuberculosis - Other	-	-
3. Syphilitic Disease	-	-
4. Diphtheria	-	-
5. Whooping Cough	-	-
6. Meningococcal Infections	-	-
7. Acute Poliomyelitis	-	-
8. Measles	-	-
9. Other Infective & Parasitic Diseases	1	2
10. Malignant neoplasm stomach	7	5
11. Malignant neoplasm breast	-	8
12. Malignant neoplasm lungs - bronchus	10	-
13. Malignant neoplasm uterus	-	1
14. Other Malignant and lymphatic neoplasms	16	20
15. Leukaemia aleukaemia	1	2
16. Diabetes	-	1
17. Vascular lesions of nervous system	26	29
18. Coronary disease - angina	27	14
19. Hypertension with heart disease	6	3
20. Other heart disease	28	37
21. Other circulatory disease	2	7
22. Influenza	-	-
23. Pneumonia	2	5
24. Bronchitis	14	4
25. Other diseases of Respiratory system	3	1
26. Ulcer of stomach and Duodenum	1	-
27. Gastritis enteritis and Diarrhoea	1	-
28. Nephritis and Nephrosis	3	2
29. Hyperplasia of Prostate	3	-
30. Pregnancy - Childbirth - Abortion	-	-
31. Congenital Malformations	2	3
32. Other defined and ill-defined diseases	12	13
33. Motor vehicle accidents	4	2
34. All other accidents	-	2
35. Suicide	6	2
36. Homicide and operations of war	2	6
	-----	-----
	178	171
	-----	-----

TOTAL - 349. Death Rate 11.6 per 1,000
Home Population.

Deaths from diseases and accidents	-	-
Pregnancy & Childbirths:		
From Sepsis	-	-
From other causes	-	-
Deaths from Diarrhoea (under 2 years of age)	-	-
Deaths from Cancer (all ages)	33	34
Deaths from Diseases of the Circulatory System (including heart disease) (all ages)	89	92

After application of the comparability factor -

BIRTH RATE for comparison with other areas - 16.3 per 1,000 home population.

DEATH RATE for comparison with other areas - 11.6 per 1,000 home population.

There was an increase of 31 in the number of deaths during 1954 as compared with 1953. The increase is accounted for in the number of deaths from circulatory and heart disease 15 more deaths, cancer 23 more and violent causes 10 more than in 1953.

COMPARATIVE TABLE OF BIRTH RATES, DEATH RATES,
ANALYSIS OF MORTALITY, MATERNAL MORTALITY AND
CASE-RATES FOR CERTAIN INFECTIOUS DISEASES IN
1954.

BIRTHS.	Rates per 1,000 Home Population	
	England & Wales.	Hawarden R.D.
Live Births	15.2	16.3
Still Births	24.0	19.8

DEATHS.		
All Causes	11.3	11.6
Typhoid and paratyphoid	0.00	0.00
Whooping Cough	0.003	0.00
Diphtheria	0.00	0.00
Influenza	0.05	0.00
Tuberculosis	0.12	0.11
Smallpox	0.00	0.00
Acute Poliomyelitis (including poliocycephalitis)	0.003	0.00
Pneumonia	0.48	0.19

DEATHS.	Rates per 1,000 Live Births.	
All causes under 1 year of age	25.5	25.7
Enteritis and diarrhoea under 2 years of age	0.8	0.00

- (a) Per 1,000 Total (Live and Still) Births.
- (b) Per 1,000 related live births.

TABULATED DEATH RETURNS FOR THE YEAR 1954.

IN AGE GROUPS.

Age Group.	Male.	Female.	Total.	% Total Deaths.
Under 1 year	8	6	14	4.0
1 - 14 years (inclusive)	1	6	7	2.0
15 - 24 years	2	5	7	2.0
25 - 44 years	11	7	18	5.1
45 - 69 years	78	59	137	39.2
70 years and over	78	88	166	47.6
	<u>178</u>	<u>171</u>	<u>349</u>	

In this table the deaths have been assigned to certain arbitrary age groups, and it will be seen that 47.6% of the total number of deaths occurred in persons over the age of 70. The age group 45 - 69 contained 39.2 of all deaths, so that 86.8 of the total number of persons who died in the district in 1954 were over the age of 45.

The age group 1 - 44 years accounted for a total of 32 deaths, 9.1% of the total. The causes of death in these age groups have been further analysed on another page.

The Infantile Deaths (under the age of 1 year) accounted for 4.0% of the total deaths, and this group has been commented upon in some detail under 'Infantile Mortality.'

INFANTILE DEATHS.

		M.	F.
Deaths of Infants under 1 year of age.	Total 14.	9.	5.
Infantile Mortality Rate-per 1000 live births	25.7		
" " " " " " "			
(England & Wales)	25.5		
Deaths of Infants under 4 weeks of age	Total 11.	6.	5.
" " " over 4 week & under 1 year	Total 3.	3.	-
<u>Causes of Infant Deaths.</u>			
(a) Under 4 weeks of age	Total 11.	6.	5.
<u>Congenital Malformations.</u>			
Congenital heart disease	Total 3.	1.	2.
Atelectasis of lungs	2.	1.	1.
Spina Bifida	1.	-	1.
<u>Prematurity.</u>	4.	3.	1.
<u>Meningitis.</u> Age 2 days probably Congenital	1.	1.	-
(b) Over 4 weeks and under 1 year	Total 3.	3.	-
Congenital heart disease	1.	1.	-
Boron poisoning	1.	1.	-
Homicide (gas)	1.	1.	-

Of the 11 babies who died under the age of 4 weeks, 6 were boys and 5 girls. In all cases skilled medical attention was available at birth and all died in a hospital or Nursing Home. Their ages ranged from 5 hours to 2 weeks.

In all these babies the cause of death was either Congenital Malformation or Prematurity assuming that the death from Meningitis was congenital.

Of the 3 infants who were under the age of 1 year but over the age of 1 month at death, one died of congenital heart disease, one of boron poisoning (due to the use of borax and glycerine by mouth) and the other was homicide the baby being gassed in his home, a part of a much greater tragedy, so that 2 of these deaths may be said to be avoidable.

The number of infantile deaths - 14, was one less than in 1953 and the infantile mortality rate was 25.7 per 1,000 live births as compared with a rate of 25.5 per 1,000 live births for England and Wales.

DEATHS IN PERSONS UNDER THE AGE OF 45 YEARS.

Age Group	Deaths	Males	Females
Age Group 1 - 14	7 Deaths	Males 1.	Females 6.
<u>Cause of Death.</u>	<u>Age.</u>		
Homicide	3 years.	-	1
"	4 "	-	1
"	5 "	-	1
"	6 "	-	1
"	13 "	1	-
Cerebellar Tumour	10 "	-	1
Tubercular Meningitis	10 "	-	1
<hr/>			
Age Group 15 - 24	7 Deaths	Males 2	Females 5
Homicide	19 years.	-	1
Acute Nephritis	16 "	-	1
Bronchiectasis	17 "	-	1
Acute Leukaemia	19 "	-	1
Cerebral Tumour	19 "	-	1
Ulcerative Colitis	20 "	1	-
Road Accident	21 "	1	-
<hr/>			
Age Group 25 - 44	18 Deaths	Males 11	Females 7
Diseases of Heart & Blood Vessels		6	1
Cancer		2	2
Acute Leukaemia		1	1
Pulmonary Tuberculosis		1	-
Epilepsy		-	1
Hodgkins Disease		-	1
Homicide		-	1
Suicide		1	-

Of the 18 deaths in the age range 1 - 44 years, non-natural causes accounted for 9 deaths, namely:-

Road Accident	1
Suicide	1
Homicide	7

CANCER DEATHS.

	<u>Male.</u>	<u>Female.</u>
Stomach	7	5
Lungs and Bronchus	10	-
Breast	-	8
Uterus	-	1
Other Sites	<u>16</u>	<u>20</u>
	<u>33</u>	<u>34</u>

Ages at Death.

Over 70	17	9
Age 60 - 69	6	9
50 - 59	6	10
40 - 49	3	3
30 - 39	1	1
Under 30	<u>-</u>	<u>2</u>
	<u>33</u>	<u>34</u>

Cancer of Lungs and Bronchus.

Ages at Death.

Over 70	1	
Age 60 - 69	4	The oldest was 78
50 - 59	3	years of age and
40 - 49	1	the youngest 39 years
30 - 39	1	of age.

For information, the occupations, ages and site of the disease in these 10 cases is appended:-

1. Representative retired	Age 78 years	Lungs.
2. Labourer Steelworks	" 66 "	Bronchus.
3. " "	" 65 "	Lungs.
4. Steel Smelter	" 64 "	Lungs.
5. Crane Driver Steelworks	" 63 "	Lungs.
6. Armature Winder	" 58 "	Bronchus.
7. Coal Hower	" 56 "	Lungs.
8. Coal Hower	" 52 "	Bronchus.
9. Aircraft Worker-Examiner	" 42 "	Bronchus.
10. Steelworker - Labourer.	" 39 "	Bronchus.

Cancer deaths in 1954 show an increase of 23 over the 1953 figure, i.e. an increase from 44 in 1953 to 67 in 1954.

The number of deaths from cancer of the lungs or bronchus increased from 6 in 1953 to 10 in 1954. All deaths from cancer of the lungs or bronchus were in males. Cancer of the stomach accounted for 6 more deaths, increasing from 6 in 1953 to 12 in 1954, whilst cancer of all other sites increased from 23 in 1953 to 36 in 1954, an increase of 13.

DEATHS FROM TUBERCULOSIS.

During the year there were 3 deaths from Pulmonary Tuberculosis, 1 male and 2 females. Their ages at death being 29, 57 and 69 years. The rate per 1,000 of the population being 0.08 as compared with a rate for England and Wales of 0.19 per 1,000 of the population. In 1953 there were 5 deaths from tuberculosis.

DEATHS IN HOSPITAL.

	Died in Hospital	No. of Deaths	Died in Hospital	No. of Deaths	Hospital Deaths % Total Deaths
Under 1 Year	<u>M A L E S</u> 8.	8.	<u>F E M A L E S</u> 4.	6.	85%
1 - 14	-	1.	2.	6.	28%
15 - 24	2.	2.	2.	5.	57%
25 - 44	6.	11.	1.	7.	39%
45 - 69	21.	78.	15.	59.	27%
70 & over	22.	78.	21.	88.	26%
	59.	178.	45.	171.	30%

TOTAL FOR 1953 52. 172. 41. 146. 29%
(FOR COMPARISON)

It will be seen from the above table that in the younger age groups a high percentage of the total deaths occur in hospital. Of the 22 males who died under the age of 45 years, 16 died in hospital, and of the 24 females who died under the age of 45 years, 9 died in hospital, a total of 25 deaths in hospital out of a total number of 46 deaths under the age of 45 years.

The figures in this group differ from the 1953 return due to the fact that the group includes a family of 9 persons who died of violent causes in the home.

Over the age of 45 years larger numbers were involved and the deaths in hospital though numerically larger are a much lower percentage of the total deaths. Of the 156 males over the age of 45 years who died during the year 43 died in hospital, and of the 147 female deaths in these older age groups 36 occurred in hospital.

Comparative figures are given for the year 1953, and it will be seen that the total number of deaths in hospital in 1954 was higher, there being 104 deaths as compared with 93 in 1953. The percentage of deaths in hospital being 30% of all deaths as compared with 29% in 1953.

GENERAL PROVISIONS OF HEALTH SERVICES IN THE AREA.

1. PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

The Public Health Officials of the Hawarden Rural District Council consist of -

Medical Officer of Health.

Dr. A. Catcart, M.B., Ch.B., D.T.M. & H., D.P.H.

Sanitary Inspector (No. 1 District).

M. Emyln Thomas, M.S.I.A., A.R.S.I., Meat & Food Certificate, R.S.I.

Sanitary Inspector (No. 2 District).

Watkin Williams, M.S.I.A., A.R.S.I., Meat & Food Certificate, R.S.I.

2. LABORATORY FACILITIES.

This work is carried out by the Bacteriological Department, Royal Infirmary, Chester, the Bacteriological Department, University of Liverpool, and Harold Lowe Esq., Public Analyst, Chester.

The examination of Milk Samples is carried out at the University College of North Wales, Bangor, and the Emergency Public Health Laboratory, Conway.

In addition some specimens are dealt with by The Public Health Laboratory, Birkenhead.

3. AMBULANCE FACILITIES.

These services are now under the control of the Deeside & Clwyd Hospital Board and the Flintshire County Council.

4. CLINICS AND TREATMENT CENTRES.

Maternity and Child Welfare Clinics are established at Saltney, Broughton, Pentre, Shotton and Caergwrle.

School Clinics at Shotton, Saltney and Caergwrle.

Orthopaedic Clinics at Shotton.

A Chest Clinic at Queensferry.

5. HOSPITALS.

Isolation Hospital, Pentrobin, Hawarden.

Catherine Gladstone Maternity Home, Mancot.

Meadowslea Sanatorium, Penyffordd.

The above are situated in the district, but hospitals over a much wider area are used both for infectious diseases and general cases, among these the more important are :-

Wrexham War Memorial.

Wrexham Maelor General.

Chester Royal Infirmary.

Chester City Hospital.

Clatterbridge Infectious Disease Hospital.

INSPECTION AND SUPERVISION OF FOOD.

1. Milk Supply.

The milk supply on the whole is of fairly good quality.

Considerable amount of work has been done during the past year with regard to the provudction of clean milk by way of sampling.

2. Milk Samples.

During the year 13 samples of milk were taken and submitted for analysis to test its keeping quality and for Biological Examination.

3. Meat and other Foods.

All premises concerned in the production of food have been regularly visited and the following is the amount of food found to be unfit for human consumption during the year.

Tinned Meat	.....	78 tins
Apple Purée	.....	2 "
Milk	.....	87 "
Peas	.....	14 "
Sauce	.....	3 jars
Cooked Ham	.....	151 lbs.
Pears	.....	14 tins
Tomatoes	.....	48 "
Damsons	.....	6 "
Pickles	.....	11 jars
Butter	.....	1½ lbs.
Apricots	.....	5 tins
Plums	.....	35 "
Jam	.....	10 "
Prunes	.....	31 "
Oranges	.....	11 "
Soup	.....	8 "
Fish	.....	21 "
Mixed Vegetables	.....	5 "
Pineapple	.....	10 "
Peaches	.....	2 "
Strawberries	.....	6 "
Corned Beef	.....	139 lbs.
Beef	.....	207 "
Cream	.....	6 tins
Fruit Salad	.....	1 "
Cheese	.....	9½ lbs.
Greats	.....	5 tins
Beasts Heads & Tongues	.....	8
Fish	.....	2 stone
Livers	.....	47
Pigs Heads	.....	3
Pigs pluck	.....	12
Calves pluck	.....	2
Beasts carcase & offal	.....	1
Greengages	.....	2 tins
Blackcurrants	.....	1 "
Raspberries	.....	2 "

SANITARY CIRCUMSTANCES IN THE HAWARDEN RURAL DISTRICT.

1. Details of Water Supply in the Area.

<u>Parish.</u>	<u>Name of Supply Undertaking.</u>	<u>Houses</u>		<u>Total.</u>
		<u>with piped supply.</u>	<u>without piped supply.</u>	
Hawarden	Hawarden & District Waterworks Company.	4146	22	4266
	Chester Waterworks Company.	76		
	Wrexham & E. Denbighshire Water Company.	22		
Hope.	Wrexham & E. Denbighshire Water Company.	1346	83	1469
	Caergwrle Water Supply.	40		
Kinnerton	Wrexham & E. Denbighshire Water Company.	119	12	131
Marford and Hoseley	Wrexham & E. Denbighshire Water Company.	158	-	158
West Saltney	Hawarden & District Waterworks Company.	1077	12	1089
East Saltney	Chester Waterworks Company.	1157	-	1157
Sealand	Hawarden & District Waterworks Company.	565	57	776
	Chester Waterworks Company.	154		
Treuddyn	Brymbo Water Company.	374	37	411
Llanfynydd	Brymbo Water Company.	205	85	468
	Wrexham & E. Denbighshire Water Company.	178		

During the year 32 samples of water were taken, 23 from public supplies and 9 from private supplies. Of these some were found to be unsatisfactory and where results of samples were found to be below the required standard, all possible steps were taken to improve the quality of the supply.

Water.

With regard to the samples which were found to be unsatisfactory, steps were taken to ensure that an improvement in the supplies concerned was brought about.

2. Sewerage and Sewage Disposal.

<u>Works.</u>	<u>Parishes served.</u>	<u>Approx. Population.</u>	<u>Remarks.</u>
Quee sferry	Hawarden (greater part)	15000	A Scheme has been prepared and approved by the Ministry for the reconstruction of these works, which is now in course of construction.
Sealand (Garden City)	Sealand (part)	1150	These works were constructed by Sealand Tenants Ltd., in connection with their Estate. No sewers provided for remainder of parish except for 80 houses belonging to W.L.S. A scheme has been prepared and approved by the Ministry to deal with the remainder of the developed portion of the Parish, which scheme is now being implemented.

<u>Works.</u>	<u>Parishes served.</u>	<u>Approx. Population.</u>	<u>Remarks.</u>
Saltney.	Hawarden (part) E.Saltney (whole)	5000	These Works deal with drainage from R.A.F. Station and De Havilland Aircraft Factory. Scheme for enlargement of these Works is now completed.
Penyffordd.	Village of Penyffordd.	1230	The works are working satisfactorily.
Hope.	Villages of Hope and Caergwrie.	1710	-do-
Gwern Alyn.	Village of Abermorddu all in Parish of Hope and part of Cefnybedd in Parish of Llanfynydd.	700	Consideration is still being given to the abandonment of these works and diverting to Hope Works and the Ministry of Housing and Local Government have now agreed in principle.
Trouddyn.	Trouddyn (developed portion)	650	The sewage disposal plant is working satisfactorily.
Cymau.	Village of Cymau in Parish of Llanfynydd.	252	-do-
Ffrith.			-do-

In addition to these works the Council have a number of small schemes dealing with small groups of houses which, owing to their location, cannot readily be connected to the main sewage system.

3. Public Cleansing.

The whole of the area is scavenged by direct labour.

4. Shops and Offices.

Shops in the area are inspected periodically for the purpose of the Shops Act, 1934, but no enforcement action was found necessary during the year.

5. Camping Sites.

There are no organised camping sites in the area, and no licences have been issued under Section 269 of the Public Health Act, 1936.

There are, however, two sites on which caravans and temporary dwellings are situated -

Corbett's Yard, Pentre.
Higher Ferry Lane, Sealand.

6. Smoke Abatement.

No action has been taken in this respect.

7. Swimming Baths and Pools.

There are no swimming baths or bathing pools in the Hawarden Rural District.

8. Eradication of Bed Bugs.

Several privately owned dwelling houses and Council Houses were dealt with during the year for bug infestation.

The necessary work of disinfection was carried out by the Sanitary Inspectors.

The methods adopted included the stripping off of all wall paper, removal of skirting boards and picture rails, and periodical spraying with 'Zaldecide', 'Gamexane' and D.D.T.

9. Rag Flocks Acts, 1911 and 1928.

There are no premises in this area in which Rag Flock is manufactured or sold.

10. Slaughterhouses.

In June, 1954, there was a reversion to private slaughtering and 9 licences for Private Slaughter Houses were issued.

PREVALENCE AND CONTROL OF INFECTIOUS DISEASES.

DIPHTHERIA.

Diphtheria Prophlactic Antigen is issued free to Medical Practitioners for the immunisation of children in the area.

All records relating to Diphtheria Immunisation are forwarded by Medical Practitioners or Assistant School Medical Officers to the Department of the County Medical Officer of Health.

VACCINATION.

No vaccinations were carried out by the Medical Officer of Health.

During the year no smallpox contacts entered the area from infected ships or aircraft.

CLEANSING AND DISINFECTION.

During the year no demands were made for the cleansing of and disinfection of verminous persons.

In all cases of Scarlet Fever and death resulting from Tuberculosis as well as in all cases where it is considered advisable, the houses of the patients are thoroughly disinfected by the Sanitary Inspectors.

Facilities are available at the Isolation Hospital for the steam disinfection of bedding, but this Hospital is now under the control of the North Wales Hospital Board with whom co-operation is maintained.

PREVENTION OF BLINDNESS.

No action was taken under Section 66 of the Public Health Act, 1925.

INFECTIOUS DISEASES (OTHER THAN TUBERCULOSIS)
DURING THE YEAR 1954.

	Under 1 yr.	1 and under 3	3 and under 5	5 and under 10	10 and under 15	15 and under 25	Over 25	Non Civi- lian	TOTAL
Small Pox	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	1.	2.	5.	1.	-	-	-	9.
Diphtheria	-	-	-	-	-	-	-	-	-
Enteric Fever including Para Typhoid	-	-	-	-	-	-	-	-	-
Puerperal Pyrexia	-	-	-	-	-	-	2.	-	2.
Pneumonia	-	-	1.	-	1.	-	1.	-	3.
Erysipelas	-	-	-	-	-	-	-	-	-
Ophthalmia Neon	-	-	-	-	-	-	-	-	-
Measles	7.	50.	62.	153.	4.	-	1.	-	277.
Whooping Cough	2.	6.	16.	21.	1.	-	-	-	46.
Cerebro Spinal	-	-	-	-	-	-	-	-	-
Acute Pilio- myelitis	-	-	-	-	-	-	-	-	-

TUBERCULOSIS.

TABULATED NEW CASES FOR 1954.

Age Periods	Resp.		Non.Pulm.		TOTAL
	Male	Female	Male	Female	
1 - 4	2.	1.	-	3.	6.
5 - 9	1.	3.	1.	1.	6.
10 - 24	3.	2.	-	-	5.
25 - 34)	7.	8.	1.	1.	17.
35 - 44)					
45 - 54	3.	2.	-	-	5.
55 - 64	1.	2.	-	-	3.
65 and over	2.	-	-	-	2.
TOTAL	19.	18.	2.	5.	44.

COMPARATIVE FIGURES OF INCIDENCE OF NOTIFIABLE INFECTIOUS
DISEASES FOR THE LAST 10 YEARS.

	<u>1944.</u>	<u>1945.</u>	<u>1946.</u>	<u>1947.</u>	<u>1948.</u>	<u>1949.</u>	<u>1950.</u>	<u>1951.</u>	<u>1952.</u>	<u>1953.</u>	<u>1954.</u>
Scarlet Fever	79.	44.	21.	13.	72.	89.	43.	69.	52.	19.	9.
Diphtheria	23.	6.	4.	1.	-	-	-	-	-	-	-
Typhoid	-	2.	-	1.	-	1.	-	-	-	-	-
Puerperal Pyrexia	2.	1.	4.	2.	2.	1.	1.	2.	-	2.	1.
Pneumonia	16.	25.	26.	16.	10.	9.	20.	25.	18.	6.	3.
Erysipelas	3.	4.	2.	-	4.	5.	1.	3.	1.	2.	-
Meningococcal Infection	1.	1.	3.	2.	2.	-	-	2.	2.	-	-
Measles	62.	311.	21.	157.	363.	26.	399.	389.	72.	291.	277.
Whooping Cough	52.	12.	11.	55.	38.	66.	67.	110.	62.	50.	46.
Tuberculosis	59.	40.	52.	43.	62.	45.	33.	29.	31.	61.	44.
Acute Poliomyelitis	-	-	-	-	-	-	6.	-	-	1	-
Encephalitis	-	-	-	-	-	-	1.	-	-	-	-
Food Poisoning	-	-	-	-	-	-	2.	-	-	2.	1.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
WASHINGTON, D. C.

Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Number of specimens	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000															
Number of specimens	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000															