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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 -

1962

ANNUAL REPORT

- 1912 -

REPORT OF THE BOARD

- 1912 -

REPORT OF THE SECRETARY

- 1912 -

1912

Gentlemen,

I have the honour to present to you my Annual Report on the Health of the Hawarden Rural District for the year 1962.

The Registrar General's estimated population for mid-year 1962 was 36,840 an increase of 300 since mid 1961.

The Birth and Death rates are based on this population figure, whilst for comparison with other districts comparability factors of 1.01 for Births and 1.26 for Deaths are applied.

The total number of live births during the year was 703 and gave a birth rate of 19.2 per 1,000, the national rate being 18.0

The total number of deaths was 421 and gave a rate of 14.4 per 1,000, as compared with a national rate of 11.9

There were 12 deaths of infants under 1 year of age, giving a rate of 16.8 as compared with a national rate of 21.4, of the infants deaths 10 died in the first week.

The principle causes of death (all ages) was diseases of the heart and circulatory system (17 - 21 inclusive in the table) 212 of the 421 total, i.e. 50%, and cancer all forms 64 deaths as 15% of the total.

Motor vehicle accidents accounted for 17 deaths and other accidents 11, a total of 28 deaths from accidents during the year.

There were no deaths from diptheria, whooping cough or polio in the district, but the need for immunisation of infants continues.

Housing continued to occupy the active interest of your Health Department, and your Public Health 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.F.N.V.Meredith was always helpful, your Surveyor, Mr.G.I. Reidford has co-operated in every way and your Public Health Inspectors, Mr.M.E.Thomas and Mr.D.R.George gave loyal support, and I wish to thank them all 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.

Continued

I have the honor to present to you my Annual Report on the Health of the Hawaiian Rural District for the year 1925.

The Registrar General's estimated population for mid-year 1925 was 28,040 an increase of 300 since mid 1924.

The Birth and Death rates are based on this population figure, which for comparison with other districts comparatively factors of 1.01 for Births and 1.22 for Deaths are applied.

The total number of live births during the year was 703 and gave a birth rate of 25.1 per 1,000, the national rate being 19.9.

The total number of deaths was 457 and gave a rate of 16.4 per 1,000, as compared with a national rate of 14.9.

There were 12 deaths of infants under 1 year of age, giving a rate of 16.8 as compared with a national rate of 21.4. Of the infants deaths 10 died in the first week.

The principal causes of death (all ages) was diseases of the heart and circulatory system (17 - 37 inclusive in the total), 212 of the total, 1.47 per 1,000, and cancer all forms 64 deaths or 1.52 of the total.

Other various accidents accounted for 17 deaths and other

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To conclude, Gentlemen, I thank the Chairman and members of the Health Committee for their support and help during the year. Your efforts, Mr. W. V. Anderson was always helpful, your Supervisor, Mr. J. I. Haldane was co-operated in every way and your Public Health Inspectors, Mr. E. M. Thomas and Mr. D. S. Brown your loyal assistants, and I wish to thank them all and all your officials for their continued assistance during the year.

I have the honor to be Gentlemen,
Your obedient servant,

A. C. GARDNER

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>1961</u>	<u>1962</u>
Area (in acres)...	31,576	31,576	31,576	31,576	31,576
Population (Census 1961) ...	34,659	34,659	34,659	34,659	36,002
Population (Estimated Mid-Year)	35,360	35,520	36,020	36,540	36,840
Density ...	1.1	1.1	1.1	1.15	1.17
Number of Inhabited Houses according to Rate Books ...	10,205	10,651	10,813	11,093	11,415
<u>Number of Houses Completed</u>					
Local Authority ...	75	54	23	46	95
Private ...	<u>130</u>	<u>136</u>	<u>139</u>	<u>147</u>	<u>227</u>
Totals	<u>205</u>	<u>290</u>	<u>162</u>	<u>193</u>	<u>322</u>
Number of occupied houses owned by Local Authority ...	3,013	3,139	3,162	3,185	3,280
Rateable Value ...	£387,557	£465,261	£466,298	£481,424	£512,049
Sum represented by 1d Rate ...	£1,625	£1,725	£1,868	£1,994	£2,082
Births ...	546	591	643	672	703
Birth Rate per 1,000 ...	16.7	16.9	17.1	18.8	19.2
Deaths ...	359	309	363	391	421
Death Rate per 1,000 ...	12.6	10.9	11.5	13.5	14.4
Infantile Mortality Rate per 1,000 live births ...	25.6	15.0	21.7	25.3	16.8
Death Rate from all forms of Tuberculosis per 1,000 ...	0.05	0.11	0.13	0.16	0.05

EXTRACTS FROM THE VITAL STATISTICS
FOR THE YEAR

ESTIMATED MID-YEAR POPULATIONS

36,840

COMPARABILITY FACTORS

BIRTHS	DEATHS
1.01	1.26

LIVE BIRTHS

	Male	Female	Total	Birth rate per 1,000 Home Population
Total	357	346	703	19.2
Legitimate	345	331	676	
Illegitimate	12	15	27	

STILL BIRTHS

	Male	Female	Total	Rate per 1,000 Total (Live & Still Births)
Total	6	4	10	14.0
Legitimate	5	4	9	
Illegitimate	1	-	1	

DEATHS OF INFANTS UNDER 1 YEAR OF AGE

	Male	Female	Total	Infantile Mortality per 1,000 Live Births
Total	7	5	12	16.8
Legitimate	6	5	11	
Illegitimate	1	-	1	

DEATHS OF INFANTS UNDER 4 WEEKS OF AGE

	Male	Female	Total
Total	5	5	10
Legitimate	5	5	10
Illegitimate	-	-	-

DEATHS OF INFANTS UNDER 1 WEEK

	Male	Female	Total
Total	5	5	10
Legitimate	5	5	10
Illegitimate	-	-	-

CAUSES OF DEATH

		1 9 6 2	
		Male.	Female.
1.	Tuberculosis - Respiratory.	1	-
2.	Tuberculosis - Other.	1	-
3.	Syphilitic Disease.	2	-
4.	Diphtheria.	-	-
5.	Whooping Cough.	-	-
6.	Monigococcal Infection.	-	-
7.	Acute Poliomyelitis.	-	-
8.	Measles.	-	-
9.	Other Infective or Parasit Diseases.	1	-
10.	Malignant Neoplasm Stomach.	10	5
11.	Malignant Neoplasm Lungs - Bronchus.	11	1
12.	Malignant Neoplasm Breast.	-	5
13.	Malignant Neoplasm Uterus.	-	2
14.	Other Malignant and Lymphatic Neoplasms.	15	15
15.	Leukaemia Aleukaemia.	1	1
16.	Diabetes.	-	-
17.	Vascular Lesions of nervous systems.	27	38
18.	Coronary Disease - Angina.	48	25
19.	Hypertension with Heart Disease.	6	4
20.	Other Heart Diseases.	17	29
21.	Other Circulatory Diseases.	5	13
22.	Influenza.	1	1
23.	Pnuemonia.	7	2
24.	Bronchitis.	15	7
25.	Other Diseases of Respiratory System.	4	1
26.	Ulcer of Stomach and Duodenum.	3	-
27.	Gastritis, Enteritis and Diarrhoea.	1	2
28.	Nephritis and Nephrosis.	2	1
29.	Hyperplasia of Protrate.	4	-
30.	Pregnancy - Childbirth - Abortion.	-	-
31.	Congenital Malformations.	2	1
32.	Other Defined and Ill-defined diseases.	19	24
33.	Motor Vehicle Accidents.	13	4
34.	All other Accidents.	5	6
35.	Suicide.	2	1
36.	Homicide and Operations of War.	-	-

223 198

TOTAL - 421 Death Rate 14.0 per
1,000 Home Population.

Deaths from Diseases and Accidents

Pregnancy & Childbirth:

Nil

From Sepsis

Nil

Other causes

Nil

Deaths from Diarrhoes (Under 2 years of age) 3

Deaths from Cancer (all ages) 64

Deaths from diseases of the Circulatory

systems (Including Heart Diseases)(All ages) - 212 - 103 Males.
109 Females.

After application of the comparability factor:

BIRTH RATE for comparison with other areas - 19.2 per 1,000 home population.

DEATH RATE for comparison with other areas - 14.0 per 1,000 home population.

There was an increase of 30 in the number of deaths during 1962 as compared with 1961. The number of deaths from circulatory and heart diseases was 13 more than in 1961 and Cancer 10 more.

Respiratory diseases - Pnuemonia, Bronchitis and other diseases of the Respiratory system - 14 less. Influenza was responsible 2, 9 less than in 1961.

GENERAL PROVISION 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. Cathcart, M.B., Ch.B., D.T.M. & H., D.P.H.

Chief Public Health Inspector.

M. Emlyn Thomas, M.A.P.H.I., A.R.S.H., Meat & Food Certificate R.S.I.

Public Health Inspector

D.R. George, M.A.P.H.I., A.R.S.H., Meat & Food Certificate R.S.I.

2. LABORATORY FACILITIES

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

The examination of Milk samples is carried out at the Public Health Laboratory, Hoole Road, Chester.

3. AMBULANCE FACILITIES

These services are now under the Control of the Flintshire County Council.

4. CLINICS AND TREATMENT CENTRES

Maternity and Child Welfare Clinics are Established in 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 - now for old persons.

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.

Wroxham Maelor General.

Chester Royal Infirmary.

Chester City Hospital.

Clatterbridge Infectious Disease Hospital.

Infectious diseases including all types of Poliomyelitis are dealt with at the Isolation Branch of Maelor General Hospital, Wrexham.

INSPECTION AND SUPERVISION OF FOOD.

1. Milk Supply
The Milk (Special Designation) Regulations 1960

The above Regulations came into operation on October 1st, 1960. The responsibility for the granting of Dealers Licences now rests with the County Council, and is the Food and Drug Authority, and the samples of designated milk are no longer carried out by the District Authority.

Apart from the Registration of Distributors by the Local Authorities, all milk and dairy legislation is now administered by the Ministry of Agriculture, Fisheries and Food, and by the Food and Drug Authority.

2. Ice Cream

There are 70 premises registered under Section 16 of the Food and Drugs Act, 1955, all of these except one are for the purpose of selling "Pre Packed" ice cream, only one of the registered premises is concerned with the manufacturing of Ice Cream.

During the year 20 samples were taken from the premises for Bacteriological examination, of which 4 were Grade 2.

3. Meat and other foods

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

Beasts Livers	14	Sheeps Livers	25
Beasts Head	1	Sheeps Carcasses	4
Sheeps Plucks	7	Cod Fillets	5 stone.
Lobster	17 lbs.	Hind Quarter of Beef	118 lbs.
Pigs Plucks	2	Ox Tongue	12 lbs.
Corned Beef	27 lbs.	Cooked Ham	194½ lbs.
Oxtail	6 lbs.	Apricot Pulp	30 lbs.
Jellied Veal	7 lbs.	Chopped Pork	4 lbs.
Mushrooms	81 lbs.	Halibut	10 lbs.
Tea	2 lbs.	Lentils	56 lbs.
Corned Beef	4 tins.	Salmon	16 tins.
Pears	6 tins.	Strawberries	2 tins.
Pineapple	8 tins.	Tomatoes	26 tins.
Apricots	4 tins.	Peaches	14 tins.
Fruit Cocktail	5 tins.	Stewed Steak	8 tins.
Cream	9 tins.	Chicken	9 tins.
Peas	25 tins.	Beef and Vegetable	7 tins.
Grapefruit	2 tins.	Spam	3 tins.
Pork Luncheon Meat	4 tins.	Steak	8 tins.
Lambs Tongue	3 tins.	Carrots	1 tin.
Jam	24 jars.	Marmalade	6 jars.

Cont. Meat and other foods

The following is a report on the number of animals slaughtered, inspected, and the amount of meat condemned in the four existing Slaughterhouses during the year.

CARCASES INSPECTED AND CONDEMNED

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	388	2	2	3960	136
Number Inspected	388	2	2	3960	136
<u>All Diseases except Tuberculosis</u>					
Whole Carcasses condemned	-	-	-	4	-
Carcases of which some part or organ was condemned	16	2	-	31	2
Percentage of the number inspected affected with diseases other than T.B.	4.12	100%	-	.94	1.47
<u>Tuberculosis only</u>					
Whole carcasses condemned	-	-	-	-	-
Carcases of which some part or organ was condemned	- -	-	-	-	-
Percentage of the number inspected affected with Tuberculosis	-	-	-	-	-

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 Water-Works Company.	4816	21	4998
	Chester Waterworks Company.	139		
	Wrexham & E. Denbighshire Water Company.	22		
Hope	Wrexham & E. Denbighshire Water Company.	1444	77	1550
	Caergwrle Water Supply	29		
Kinnerton	Wrexham & E. Denbighshire Water Company.	129	10	139
Marford & Hoseley.	Wrexham & E. Denbighshire Water Company.	218	-	218
West Saltney	Hawarden & District Water Works Company.	1149	-	1149
East Saltney	Chester Waterworks Company	1348	-	1348
Sealand	Hawarden & District Water Works Company	677	57	895
	Chester Waterworks Company	161		
Treuddyn	Wrexham & E. Denbighshire Water Company.	385	35	420
Llanfynydd	Wrexham & E. Denbighshire Water Company.	412	81	493

During the year 32 samples of water were taken, 24 from public supplies, and 8 from private supplies. Of these 4 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.

2. SEWERAGE, AND SEWAGE DISPOSAL

<u>Works</u>	<u>Parishes served</u>	<u>Approx. Population</u>	<u>Remarks.</u>
Queensferry	Hawarden (Greater Part).	17,086	These works have been re-constructed and during the year the sewer was extended up the Liverpool Road taking in a considerable number of properties in this area and also taking a section of sewage from Buckley Urban District.
Sealand (Garden City)	Sealand.		The whole of the sewage from Sealand Parish is brought to the works at Queensferry.

<u>Works</u>	<u>Parishes Served</u>	<u>Approx. Population</u>	<u>Remarks.</u>
Saltney	Hawarden (Part) E.Saltney (whole)	5,000	These works deal with drainage from R.A.F.Station and De Havilland Aircraft Factory. The scheme for enlargement of these works is now completed.
Penyffordd	Village of Penyffordd.	1,230	The works are working satisfactorily.
Hope	Villages of Hope and Caergwrle	1,710	- do -
Treuddyn	Treuddyn	650	- do -
Cymmau	Village of Cymmau in Parish of Llanfynydd.	252	- do -
Ffrith			- do -
Marford			- do -
Kinnerton	Kinnerton	520	- do -
Caer Estyn			- do -
Llanfynydd			During the year a sewerage system and a sewage disposal works was completed for the village of Llanfynydd.

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, 1950, but no formal action was found necessary during the year.

5. CAMPING SITES

There are still four sites on which caravans and temporary dwellings are situated:-

Corbetts Yard, Pentre.
Higher Ferry Lane, Sealand.
Mill Stone Inn, Penyffordd.
Gladstone Way, Queensferry.

6. SMOKE ABATEMENT

No formal 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 Public Health Inspectors.

The method adopted included the stripping off of all wall-paper, removal of skirting boards and picture rails, and periodical spraying with "Zaldecide", D.D.T., and "Gamexane".

9. RAG FLOCK ACT, 1911 and 1928

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

ADMINISTRATION OF THE FACTORIES ACTS, 1937/1959
FOR THE YEAR OF 1962

Part 1 of the Act

1. INSPECTIONS relating to provisions for health made by the Public Health Inspectors during 1962.

	Number on Register	NUMBER OF		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories where Sections 1,2,3,4, & 6 are to be enforced by Local Authority.	24	48	-	-
(ii) Factories not included above where Section 7 is to be enforced by the Local Authority.	124	170	8	-
(iii) Other premises where Section 7 is to be enforced by the Local Authority.	-	-	-	-

2. Cases in which DEFECTS were found

No cases of defects due to want of cleanliness, overcrowding, unreasonable temperature, inadequate ventilation or ineffective drainage of floors, were found. Four cases of defective and insufficient sanitary accommodation were found, as shown in the next table, most of these were found on civil engineering sites.

	No. of cases with defects found				
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	Prosecuted
Sanitary Conveniences (Section 7):					
(a) Insufficient	-	-	-	-	-
(b) Unsuitable or defective	4	4	-	-	-
(c) Not separate for the sexes	-	-	-	-	-
Total defects under Part 1 of the Act	4.	4	-	-	-

Cont. Factories Acts

Part VIII of the Act, Outwork (Sections 110 and 111)

Nature of Work	Section 110		
	No. of outworkers in August list as required by Sect. 110 (1)(c)	No. of cases of default in sending lists to the Council	No. of Prosecutions for failure to supply lists
Wearing apparel: Making etc.	3	-	-

No instances relating to Section 111 (Unwholesome premises) were known.

No. of outworkers in August list as required by Sect. 110 (1)(c)	No. of cases of default in sending lists to the Council	No. of Prosecutions for failure to supply lists
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

No. of outworkers in August list as required by Sect. 110 (1)(c)	No. of cases of default in sending lists to the Council	No. of Prosecutions for failure to supply lists
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

PREVALANCE 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. The County Council now provide for children to be protected against Diphtheria and Whooping Cough by the use of all combined Antigen.

VACCINATION

Vaccinations were carried out by the Medical Officer of Health at the County Council Child Welfare Clinics. During the year no Smallpox contact entered the area from infected ships or aircraft.

CLEANSING AND DISINFECTION

During the year no demands were made for the cleansing of and disinfestation 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 Public Health Inspectors.

Facilities are available at the Isolation Hospital for the steam disinfestation 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 1962

	Under 1 year	1 and under 3	3 and under 5	5 and under 10	10 and under 15	15 and under 25	Over 25	Age un- known	Total
Scarlet Fever	-	1	4	1	1	-	1	-	8
Pnuemonia	1	-	1	-	1	-	3	-	6
Measles	2	4	11	10	4	-	-	1	32
Whooping Cough	-	-	-	-	-	-	-	-	-
Dysentery	-	-	4	3	2	-	-	-	9
<u>Acute Poliomyelitis</u>									
N.P.	-	-	-	-	-	-	-	-	-
P.	-	-	-	-	-	-	-	-	-

TUBERCULOSIS

TABULATED NEW CASES FOR 1961

Age Period	Resp.		Meninges & CNS.		Other.		Total
	Male.	Female.	Male.	Female.	Male.	Female.	
1 - 4	-	-	-	-	1	1	2
5 - 14	-	-	-	-	-	1	1
15 - 24	-	1	-	-	1	2	4
25 - 44	2	3	-	-	-	2	7
45 - 64	3	1	-	-	-	-	4
65 & over	2	-	-	-	1	-	3
Age unknown	1	-	-	-	1	-	2
Total	8	5	-	-	4	6	23

CONCENTRATIONS OF METALS IN WASTEWATER TREATMENT

Metal	Time (hr)									
	0	1	2	3	4	5	6	7	8	9
Lead (Pb)	15	12	10	8	7	6	5	4	3	2
Cadmium (Cd)	10	8	6	5	4	3	2	1	1	1
Copper (Cu)	20	15	12	10	8	7	6	5	4	3
Zinc (Zn)	30	25	20	18	15	12	10	8	7	6
Iron (Fe)	40	35	30	25	20	18	15	12	10	8
Manganese (Mn)	10	8	6	5	4	3	2	1	1	1
Chromium (Cr)	12	10	8	7	6	5	4	3	2	1
Nickel (Ni)	8	6	5	4	3	2	1	1	1	1
Vanadium (V)	5	4	3	2	1	1	1	1	1	1
Selenium (Se)	3	2	1	1	1	1	1	1	1	1
Fluoride (F)	15	12	10	8	7	6	5	4	3	2
Chloride (Cl)	20	15	12	10	8	7	6	5	4	3
Sulfate (SO ₄)	25	20	15	12	10	8	7	6	5	4
Phosphate (PO ₄)	10	8	6	5	4	3	2	1	1	1
Nitrate (NO ₃)	12	10	8	7	6	5	4	3	2	1
Ammonia (NH ₃)	8	6	5	4	3	2	1	1	1	1
Calcium (Ca)	15	12	10	8	7	6	5	4	3	2
Magnesium (Mg)	10	8	6	5	4	3	2	1	1	1