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— SOUTHWICK-ON-WEAR —  
URBAN DISTRICT COUNCIL

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# ANNUAL REPORT

ON THE  
HEALTH AND SANITARY CONDITION  
OF  
SOUTHWICK-ON-WEAR.

BY

**JOHN J. CARRUTHERS, M.B.C.M.,**  
Medical Officer of Health to the Southwick-on-Wear  
Urban District Council.

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**FOR THE YEAR**


**1908**

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Southwick-on-Wear :

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# ANNUAL REPORT,

1908.

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*To the Chairman and Members of the Southwick-on-Wear  
Urban District Council.*

GENTLEMEN,

I beg to submit to you my Report on the Health and Sanitary Condition of your District for the year 1908.

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## POPULATION.

It is estimated that the population at the middle of the year was 15,148, and on this number the tables are based.

## BIRTHS.

The number of births registered during the year was 581, or 45 more than the number for 1907. This is equal to a birth-rate of 38·35 per thousand per annum, an in-

crease of 2'97 per thousand compared with the birth-rate for 1907. The males numbered 283, and the females 298. The birth-rate in the Administrative County of Durham was 37'0.

Table showing Birth-rates for the past Ten Years.

Year.	Males.	Females.	Total.	Birth-rate per 1000.
1899	252	260	512	41'9
1900	274	248	522	41'7
1901	246	264	510	40'1
1902	279	242	521	40'1
1903	265	260	525	39'5
1904	272	282	554	39'2
1905	272	290	562	38'03
1906	326	295	621	40'9
1907	260	276	536	35'38
1908	283	298	581	38'35

Average birth-rate for the past 10 years.—39'52

#### DEATHS.

The number of Deaths registered in the District during the year was 246. This is equal to a death-rate of 16'24 per thousand per annum. In public institutions and other places outside the district, 32 deaths occurred among persons belonging to the district, which makes the total number of deaths 278. The males numbered 152, and the females 126. The total death-rate is therefore 18'35 per thousand. The number of deaths is 34 more than the number for 1907, and the death-rate is higher by 2'25 per thousand. The death-rate in the Administrative County of Durham was 17'5.

The following table shows the monthly death-rate for 1908.

Month.	M.	F.	Death Rate.	Month.	M.	F.	Death Rate.
					65	60	
January ...	3	8	8'6	July.....	9	8	11'8
February	9	12	16'6	August ...	18	10	22'1
March.....	17	11	22'1	September	15	11	20'5
April .....	15	13	22'1	October ...	24	13	29'3
May.....	14	9	18'2	November	7	12	15'0
June .....	7	7	11'0	December	14	12	20'5
	65	60		Total .....	152	126	18'3

Table showing Death-rates for the past 10 years.

Year.	Deaths.	Rate.
1899	257	21'04
1900	283	22'6
1901	285	22'4
1902	222	17'09
1903	243	18'3
1904	331	23'4
1905	275	18'6
1906	288	19'01
1907	244	16'1
1908	278	18'3

Average Death-rate for the past 10 years :—19'6.

### OLD AGE MORTALITY.

The old age mortality—the number of deaths of persons over the age of 65—was 41, which is 4 less than the number for 1907.

Table showing Old Age Mortality during the past 10 years.

Age over 65 years.

Year.	No. of Deaths.	Rate per 1000.
1899.....	26.....	2'09
1900.....	30.....	2'3
1901.....	28.....	2'2
1902.....	26.....	2
1903.....	24.....	1'8
1904.....	49.....	3'4
1905.....	38.....	2'5
1906.....	35.....	2'3
1907.....	45.....	2'9
1908.....	41.....	2'7

Average Old Age Mortality for the past 10 years 2'4.

ADULT MORTALITY.

The adult mortality—that is the number of deaths of persons between the ages of 5 and 65 years—was 87, which is 8 less than the number for 1907.

Table showing Adult Mortality during the past 10 years.

Ages between 5 and 65.

Year.	No. of Deaths.	Rate per 1000.
1899.....	86.....	6'9
1900.....	97.....	7'6
1901.....	105.....	8'2
1902.....	76.....	5'8
1903.....	76.....	5'7
1904.....	86.....	6'09
1905.....	90.....	6'08
1906.....	88.....	5'8
1907.....	95.....	6'2
1908.....	87.....	5'7

Average Adult Mortality for the past 10 years 6'4.

## CHILDHOOD MORTALITY.

The childhood mortality—that is the number of deaths of children between the ages of 1 year and 5 years—was 40, which is 7 more than the number for 1907, and is equal to a death-rate of 2·6 per thousand.

Table showing Childhood Mortality for the last 10 years.

Ages between 1 and 5 years.

Year.	No. of Deaths.	Rate per 1000.
1899.....	38.....	3·1
1900.....	57.....	4·5
1901.....	41.....	3·2
1902.....	46.....	3·5
1903.....	43.....	3·2
1904.....	84.....	5·9
1905.....	51.....	3·4
1906.....	49.....	3·2
1907.....	33.....	2·2
1908.....	40.....	2·6

Average Childhood Mortality for the past 10 years 3·4.

## MORTALITY AMONG INFANTS.

The number of deaths of infants under 1 year of age was 110, which is 39 more than the number for 1907, and is equal to a death-rate of 7·2 per thousand.

Table showing Mortality among Infants under 1 year of age during the past 10 years.

Year.	No. of Deaths.	Rate per 1000.
1899.....	103.....	8'4
1900.....	85.....	6'8
1901.....	111.....	8'7
1902.....	74.....	5'7
1903.....	100.....	7'5
1904.....	112.....	7'9
1905.....	96.....	6'4
1906.....	116.....	7'6
1907.....	71.....	4'6
1908.....	110.....	7'2

Average Mortality among Infants for the past 10 years 7'08.

#### INFANTILE MORTALITY.

The number of deaths of infants in the district was 106. To this number has to be added the deaths of 4 infants who died in an institution outside the district. Three of those infants were born and lived and died in that institution, but as their deaths only and not their births were credited to the Southwick district, they cannot in fairness be included in calculating the infantile mortality of Southwick. The infantile mortality rate is therefore based on the number 107, which is 36 more than the number for 1907, and is equal to an infantile mortality rate of 184 per thousand births. This is an increase of 52 per thousand compared with the number for 1907.

Table showing Infantile Mortality during the past 10 years.

1899.....	201	per 1,000 births
1900.....	162	" "
1901.....	217	" "
1902.....	142	" "
1903.....	190	" "
1904.....	202	" "
1905.....	170	" "
1906.....	186	" "
1907.....	132	" "
1908.....	184	" "

Average Infantile Mortality for the past 10 years 178.

The number of deaths registered in the four quarters of the year was as follows:—

		Under 5 years.		Over 5 years.		Total.		Death Rate.
1st quarter	.....	22	.....	38	.....	60	.....	15·8
2nd	„	34	.....	31	.....	65	.....	17·1
3rd	„	43	.....	28	.....	71	.....	18·7
4th	„	51	.....	31	.....	82	.....	21·6

In the following table is recorded the quarterly death-rates and the annual death-rates for the past 10 years.

YEARS.	1ST QUARTER		2ND QUARTER		3RD QUARTER		4TH QUARTER		WHOLE YEAR	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate.
1899	49	15·7	39	12·9	93	30·4	72	23·5	257	21·04
1900	72	23·	65	20·8	59	18·8	87	27·5	283	22·6
1901	75	23·6	59	18·5	99	31·1	52	16·3	285	22·4
1902	46	14·3	68	21·	49	14·9	59	18·02	222	17·09
1903	50	15·2	60	18·1	61	18·2	72	21·5	243	18·3
1904	80	22·7	69	19·6	96	27·05	86	24·2	331	23·4
1905	68	18·6	70	18·9	82	21·9	55	14·7	275	18·6
1906	52	13·9	56	14·8	95	24·9	85	22·2	288	19·01
1907	86	23·	54	14·3	47	12·3	57	14·7	244	16·1
1908	60	15·8	65	17·1	71	18·7	82	21·6	278	18·3

## ZYMOTIC DISEASES.

The number of cases of infectious diseases notified was 67, which is 6 less than the number for 1907. They are classified as follows :—

	1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Total.
Smallpox .....	...	...	...	...	...
Scarlet Fever ...	8	18	1	17	44
Enteric Fever ...	2	3	4	5	14
Continued Fever	...	...	...	...	...
Erysipelas .....	1	...	...	...	1
Diphtheria and Croup .....	4	...	4	...	8
<b>Total .....</b>	<b>15</b>	<b>21</b>	<b>9</b>	<b>22</b>	<b>67</b>

54 tenements were involved in the 67 cases.

Tables showing the number of notifications yearly for the past 10 years

DISEASE.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Smallpox.....	...	...	...	...	1	...	...	...	...	...
Scarlet Fever .....	65	37	86	45	64	67	5	23	53	44
Enteric Fever .....	41	23	27	17	15	23	16	48	10	14
Continued Fever .....	3	3	...	...	1	...	...	...	...	...
Typhus Fever .....	...	...	...	...	...	...	...	...	...	...
Diphtheria .....	8	2	9	7	2	6	7	2	7	8
Puerperal Fever .....	...	...	...	1	...	...	...	...	...	...
Erysipelas .....	5	2	2	...	4	3	5	2	3	1

## ZYMOTIC MORTALITY.

The number of deaths from zymotic diseases during the year is as follows :—

DISEASE.	Deaths in 1908.
Smallpox .....	—
Measles .....	4
Scarlet Fever .....	1
Diphtheria and Croup .....	2
Whooping Cough .....	17
Typhus Fever .....	—
Enteric Fever .....	1
Continued Fever .....	—
Puerperal Fever .....	—
Diarrhoea .....	7
Enteritis .....	19
Total .....	51

There were\*51 deaths from zymotic diseases during the year. This is 25 more than the number for 1907, and is equal to a zymotic death-rate of 3'36 per thousand as compared with 1'7 for the previous year. The average zymotic death-rate for the past 10 years was 4'25. The zymotic death-rate in the Administrative County of Durham for 1908 was 2'7.

Table showing the number of deaths yearly from zymotic diseases during the past 10 years.

Disease.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Smallpox.....	...	...	...	...	...	...	...	...	...	...
Measles .....	1	16	...	7	3	26	17	1	10	4
Scarlet Fever .....	3	...	1	2	1	1	...	...	...	1
Diphtheria and Croup .....	4	...	3	2	1	...	3	...	...	2
Whooping Cough.....	2	5	4	7	4	6	12	12	3	17
Enteric Fever .....	3	4	2	3	...	4	5	7	3	1
Continued Fever .....	...	1	...	...	...	...	...	...	...	...
Typhus Fever .....	...	...	...	...	...	...	...	...	...	...
Puerperal Fever .....	...	...	...	1	...	...	...	...	...	...
Diarrhœa .....	19	12	21	8	15	42	22	52	10	7
Enteritis.....	23	10	15	5	3	...	5	2	...	19
Total zymotic deaths.....	55	48	46	35	27	79	64	74	26	51
Deaths from other causes ...	202	235	239	187	216	252	211	214	218	227
Total.....	257	283	285	222	243	331	275	288	244	278

Table showing the annual death-rates from zymotic and general causes for the past 10 years.

Disease.	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Smallpox.....	...	...	...	...	...	...	...	...	...	...
Measles .....	.08	1.28	...	.53	.22	1.84	1.15	.06	.66	.26
Scarlet Fever .....	.24	...	.08	.15	.07	.07	...	...	...	.06
Diphtheria and Croup .....	.32	...	.23	.15	.07	...	.2	...	...	.13
Whooping Cough .....	.16	.39	.31	.53	.3	.42	.81	.79	.19	1.12
Enteric Fever .....	.24	.08	.15	.23	...	.28	.33	.46	.19	.06
Continued Fever .....	...	.31	...	...	...	...	...	...	...	...
Typhus Fever .....	...	...	...	...	...	...	...	...	...	...
Puerperal Fever .....	...	...	...	.07	...	...	...	...	...	...
Diarrhoea .....	1.53	.96	1.65	.61	1.13	2.97	1.48	3.4	.66	.46
Enteritis .....	1.85	.79	1.18	.38	.22	...	.33	.13	...	1.25
Zymotic rate .....	4.43	3.8	3.6	2.69	2.03	5.5	4.3	4.9	1.7	3.36
Rate from other causes .....	15.98	18.8	18.8	14.4	16.27	17.9	14.3	14.1	14.4	14.99
General death-rate.....	20.4	22.6	22.4	17.09	18.3	23.4	18.6	19.01	16.1	18.35

## DISEASES OF RESPIRATORY ORGANS.

The number of deaths from Bronchitis, Pneumonia, and other diseases of the Respiratory Organs, was 50, which is 4 more than the number for 1907.

Cancer caused 9 deaths, as compared with 7 for 1907; 16 were due to Premature Birth, and 8 to Congenital Debility.

## TUBERCULOSIS.

Phthisis caused 17 deaths, which is 9 more than the number recorded for the previous year, and the number of deaths from Tubercular diseases, other than Phthisis, was 4, which is 7 less than for 1907.

There is no system of Notification, voluntary or otherwise, in operation in the district for cases of Tuberculosis.

The County Council offer facilities for the examination of Sputum, free of cost, in cases of Phthisis, and the result of the examination is sent to the Medical Officer of Health.

In virtue of their being subscribers through their connection with a factory or shipyard, a proportion of cases receive Sanatorium treatment, and the educative influence of such treatment is great. Six cases in this way received a course of Sanatorium treatment during the year.

In cases of death from Phthisis, the house and clothing are disinfected.

There is no public institution as an Infirmary in or connected with the district with special arrangements for the treatment of Phthisis.

## INQUESTS.

The number of Inquests held during the year was 7, and death was ascribed to the following causes :—

Accidental Injuries.. .. .	1
Accidental Suffocation .. . . .	2
Drowning (Accidental) .. . . .	1
Suicide .. . . .	2
Natural Causes .. . . .	1

## POPULATION AND HOUSE ACCOMMODATION.

Up till two years ago, when practically every house in the district was occupied, it was possible to arrive at a fair estimate of the population by multiplying the number of inhabited houses by the rate per house at the last census. The larger proportion of the population are dependent on the shipbuilding industry for employment, and this trade having for many months been in a most depressed condition, work was hardly obtainable. As a consequence many houses are tenantless, some families having left the district through finding employment elsewhere. Others, for obvious financial reasons, have shared their accommodation with members of their own families or with friends, This in some cases has caused overcrowding. For these reasons the estimate of the population remains the same as for last year and the year before, namely, 15,148.

Throughout the year, house-to-house inspections were made in the district.

## BUILDING TRADE.

The small demand for houses had a natural result in a slack condition of the building trade.

## BIRTH-RATE.

The Birth-rate, 38'35, is considerably higher than last year's rate, which was 35'38. It is 1'17 below the average for the past 10 years.

## DEATH-RATE.

The Death-rate, 18'3, shows an increase of 2'2 per thousand compared with the figures, 16'1, for 1907. It is 1'3 per thousand less than the average Death-rate for the past 10 years.

	Old Age. Over 65 years.	Adult. Between 5 and 65.	Childhood. Between 1 and 5.	Infantile. Under 1 year.
1907	2'9	6'2	2'2	4'6
1908	2'7	5'74	2'6	7'06

Decrease 0'2    Decrease 0.48    Increase 0'4    Increase 2'46

There is a decrease in the Death-rate above the age of 5 years. It is entirely in the sections of infants and young children, and chiefly in the infant section that the increase in the Death-rate is seen. The main contributory causes of the increase were Bronchitis, Whooping Cough, Diarrhoea, Premature Birth, and Congenital Debility. It is difficult to say to what extent the hard times experienced in Southwick-on-Wear during the year may have influenced the Death-rate, but it is agreed that while the children attending school fared not so badly, infants and nursing mothers, and those about to become mothers, in many cases did not obtain sufficient or suitable food for their requirements, and with their vitality thus lowered the infants were less able to resist the onset of ailments. The large

number of deaths from Premature Birth and from Congenital Debility can to some extent be explained in this way. For the greater part of the year, from January onwards, Whooping Cough was prevalent in the district. In the third quarter of the year there was much Diarrhoea. Want of knowledge on the part of mothers how to nurse and feed a child is probably the chief cause of Diarrhoea among infants, but I think in this respect matters are improving, and now that the Notification of Births Act is in operation, and a Lady Health Visitor at work in the district, a great change for the better may be looked for with confidence.

#### TYPHOID FEVER.

The number of cases of Typhoid Fever notified during the year was 14. One case was imported; in 5 other cases, the domestic or personal conditions were such as to count for a good deal in finding a cause for the existence of the disease; none of the cases were traced to food or milk. As long as open middens exist in any number in the district, cases of Typhoid may be expected. All open middens ought to be abolished and water closets substituted for them. Their number is being gradually reduced; 51 were abolished last year, 49 of them being replaced by water closets.

#### DIPHTHERIA.

There were 8 cases of Diphtheria notified. In 4 cases the domestic condition was such as to favour the development of the disease; only in one case was the source of infection traced, it was from one of the notified cases. In all of the cases Antitoxin, supplied by the District Council, was used.

### SCARLET FEVER.

The cases of Scarlet Fever notified were generally of a mild type. It was very probable that some undetected cases of this class infected the greater number of those notified.

### MEASLES.

The district was practically exempt from Measles all the year, for though four deaths were due to this cause, two occurred in an institution outside the district, and the other two cases were infected from cases imported from the Stockton district where Measles was prevalent.

### WATER SUPPLY.

All the houses in the district are supplied with water by the Sunderland and South Shields Water Company. A water pipe was laid to Witherwack Farm during the year, and the only house where the supply may be regarded as unsatisfactory is Thistley Hall, to which place the water has to be carted. It would be a very easy matter to put this right.

### COMMON LODGING HOUSES.

There are no common lodging houses in the district.

### COWSHEDS AND DAIRIES.

The Cowsheds and Dairies were frequently inspected, and found generally to be in good order. Mr. Dudgeon, Veterinary Surgeon, made a quarterly inspection of all the dairy cows in the district, and in his reports stated that he had not detected any Tuberculosis of the Udder.

### JOINT ISOLATION HOSPITAL.

The total number of cases removed to the Joint Isolation Hospital from the district of Southwick-on-Wear was 48 ; of this number 37 were Scarlet Fever and 11 Typhoid Fever. The 37 cases of Scarlet Fever are equal to 84 per cent of the total number of Scarlet Fever cases, and the 11 Typhoid cases are equal to 78 per cent of the total Typhoid Notifications.

### SMALLPOX HOSPITAL.

Southwick-on-Wear is one of the districts represented on the North-East Durham Joint Smallpox Hospital Board. There is under consideration at present a proposal to combine with the South Shields Town Council on this question.

Provisional arrangements have been made to receive into the South Shields Corporation's Smallpox Hospital any cases of Smallpox that may occur in Southwick-on-Wear.

### NOTIFICATION OF BIRTHS ACT.

This Act was adopted in Southwick-on-Wear and came into operation on October 5th, 1908 ; but as Miss Hogarth, the Lady Health Visitor, was not appointed till November, and did not commence duties till the second week in December, little more can be said than that Miss Hogarth's ministrations were generally well received.

### MEDICAL INSPECTION OF SCHOOL CHILDREN.

The County Council have made arrangements for the Medical Inspection of the children attending the schools in the district. The Urban District Council is not the Authority for the purpose of this Act.

## SCAVENGING.

The Council's own men do the Scavenging, and the work in the department was well done. All the material is carted to farms in the vicinity and put on the land.

## FACTORY AND WORKSHOPS ACT.

## FACTORIES.

The number of Factories in the district is 15.

Shipbuilding Yards .....	3	Engine Works .....	2
Glass Works .....	2	Joinery Works .....	5
Brick Works .....	1	Printing Works .....	1
Wheelwrights' Works ...	1		

## WORKSHOPS.

The number of Workshops is 24.

Retail Bakehouses.....	14	Dressmaking Workshops	4
Shoemakers .....	4	Blacksmiths .....	1
Tailors .....	1		

Workplaces .....

1

Home Workers .....

3

One was engaged in dressmaking, one in filemaking, and one in quilting. The condition of the home workers' premises was satisfactory. In each case the work was received from firms outside the district.

## PUBLIC SLAUGHTER HOUSE.

There having been a difficulty in obtaining land for this purpose, the Council deferred further consideration of the question till the completion of the approach road to the new bridge over the Wear, when the Council will have some surplus land to deal with.

## PUBLIC MORTUARY.

The same difficulties arose in connection with a Public Mortuary and this matter also was postponed till the new bridge works are finished.

## SEWERS.

New Sewers were laid in Camden Street, The New Bridge Approach Road, and from the Cemetery. The sewers in East Back Morgan Street, South Back Clockwell Street, and Camden Street, were partly relaid.

Additional manholes were constructed in old sewers in South Back Clockwell Street, Camden Street (2). and East Back Morgan Street.

New Gullies were placed in Crown Road (2), Hylton Road, Camden Street, and Dean Terrace.

## TEMPERATURE AND RAINFALL.

Mr. John Hodgson, curator of the cemetery has kindly supplied me with a record which he kept of the temperature and rainfall in the district for 1908.

REQUIREMENTS.

1. Abolish privy ashpits and ash closets.
2. Substitute for them water-closets.
3. A Public Slaughter House.
4. A Public Mortuary.

A number of Tables and Maps accompany this Report.

I have the honour to be, Gentlemen,

Your obedient Servant,

JOHN J. CARRUTHERS,

*Medical Officer of Health.*

February 3rd, 1909.

Streets in which Infectious Cases occurred and  
the Number of Cases in each Street.

	Cases.		Cases.
Frank Street.....	1	Carley Road.....	10
James Armitage St...	2	Edith Street.....	1
The Green.....	2	Morgan Street.....	4
Sunderland Road.....	1	Cornhill Terrace.....	2
Broadsheath Terrace.	1	Cornhill Road .....	2
Hawthorn Street.....	1	Pembroke Street.....	1
Grosvenor Street.....	2	Wellington Street ...	1
Davison Terrace .....	2	Sophy Street .....	2
Ridley Street .....	2	Clarendon Street.....	1
Barnett's Buildings...	3	South Terrace .....	1
Charles Street .....	1	Suddick Street.....	2
Nelson Street .....	6	Amy Street .....	1
Thomas Street .....	1	Scott's Terrace .....	1
Varna Street.....	3	King Street .....	1
Gray Street .....	1	Shakespeare Street...	1
Clive Street .....	1	Thomas Street North	1
Lilburn Place .....	1	Chatterton Street ...	1
Alice Street .....	2		—
Edward Burdis Street	1	Total .....	67

## SOUTHWICK-ON-WEAR URBAN DISTRICT.

*Vital Statistics of whole district during 1908 and previous years.*

Year.	Population estimated to middle of each year.		Births.		Total deaths registered in the district.			Deaths of residents registered in public institutions beyond the district.		Nett deaths at all ages belonging to district.		
	Num-ber.	Rate* per 1,000 registered.	Num-ber.	Rate* per 1,000 registered.	Under 1 year of age.		At all ages.		Public institutions in the district.	Deaths of residents registered in public institutions beyond the district.	Num-ber.	Rate* per 1,000 registered.
					Num-ber.	Rate* per 1,000 registered.	Num-ber.	Rate* per 1,000 registered.				
1898	12,030	40.5	488	40.5	108	221	308	25.6	15	323	26.8	
1899	12,210	41.9	512	41.9	103	201	253	20.7	4	257	21.04	
1900	12,490	41.7	522	41.7	85	162	269	21.5	14	283	22.6	
1901	12,700	40.1	510	40.1	111	217	268	21.1	17	285	22.4	
1902	12,983	40.1	521	40.1	74	142	204	15.7	18	222	17.09	
1903	13,261	39.5	525	39.5	98	186	218	16.4	25	243	18.3	
1904	14,114	39.2	554	39.2	110	198	293	20.7	38	331	23.4	
1905	14,778	38.03	562	38.03	95	169	251	16.9	24	275	18.6	
1906	15,148	40.9	621	40.9	116	186	254	16.8	34	288	19.01	
1907	15,148	35.3	536	35.3	71	132	205	13.5	39	244	16.1	
Averages for years 1898-1907	13,486	39.7	535	39.7	97	181	252	18.8	22	275	20.5	
1908	15,148	38.3	581	38.3	106	180	246	16.2	32	278	18.3	

\* Rates in columns 4, 8 and 12 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 844'544.

Total population at all ages .....	12,643	} At Census of 1901.
Number of inhabited houses .....	1,870	
Average number of persons per house	6'7	

---

INSTITUTIONS OUTSIDE THE DISTRICT  
RECEIVING SICK AND INFIRM PERSONS  
FROM THE DISTRICT:—

Durham County Asylum, Sedgefield.

Monkwearmouth and Southwick Hospital.

South Shields Rural and Southwick-on-Wear  
Joint Isolation Hospital, Whitburn.

Sunderland Infirmary.

Sunderland Union Workhouse.

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The Sunderland Union Workhouse is not within  
the District.

TABLE III.  
SOUTHWICK-ON-WEAR URBAN DISTRICT.

Cases of Infectious Diseases notified during the Year 1908.

Notifiable Disease.	Cases notified in the whole district.							No. of cases re- moved to hospital
	At all ages.	At ages—years.						
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and up- wards	Whole district.
Smallpox.....	...	...	...	...	...	...	...	...
Diphtheria ...	8	...	2	5	...	1	...	...
Membranous Croup.....	...	...	...	...	...	...	...	...
Erysipelas ...	1	...	...	...	...	1	...	...
Scarlet Fever	44	...	10	33	1	...	...	37
Enteric „	14	...	...	6	5	3	...	11
Totals...	67	...	12	44	6	5	...	48

ISOLATION HOSPITAL.

South Shields Rural and Southwick-on-Wear Joint Isolation Hospital,  
Whitburn, South Shields Rural District.

TABLE IV.—Causes of, and ages at, death during year 1908.

Causes of Death.	All ages.	Under 1 year.	1 & under 5.	5 & under 15.	15 & under 25.	25 & under 65.	65 and upwards.
Smallpox .....	..	..	..	..	..	..	..
Measles .....	4	2	2	..	..	..	..
Scarlet Fever .....	1	..	1	..	..	..	..
Whooping-Cough .....	17	10	7	..	..	..	..
Diphtheria (including Membranous Croup)...	2	1	..	1	..	..	..
Croup.....	..	..	..	..	..	..	..
Fever { Typhus .....	..	..	..	..	..	..	..
{ Enteric .....	1	..	..	..	1	..	..
{ Other Continued...	..	..	..	..	..	..	..
Epidemic Influenza .....	..	..	..	..	..	..	..
Cholera .....	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..
Diarrhœa .....	7	5	2	..	..	..	..
Enteritis .....	19	9	10	..	..	..	..
Puerperal Fever.....	..	..	..	..	..	..	..
Erysipelas .....	..	..	..	..	..	..	..
Other Septic Diseases .....	2	1	..	1	..	..	..
Phthisis (Pulmonary Tuberculosis) .....	17	..	1	1	4	11	..
Other Tubercular Diseases	4	1	1	..	1	1	..
Cancer, Malignant Disease	9	..	..	..	..	7	2
Bronchitis .....	32	17	5	..	..	3	7
Pneumonia .....	17	4	6	..	..	6	1
Pleurisy.....	1	..	..	1	..	..	..
Other Diseases of Respira- tory Organs .....	..	..	..	..	..	..	..
Alcoholism, Cirrhosis of Liver .....	..	..	..	..	..	..	..
Venereal Diseases .....	..	..	..	..	..	..	..
Premature Birth .....	16	16	..	..	..	..	..
Diseases and Accidents of Parturition .....	4	3	..	..	1	..	..
Heart Diseases .....	23	..	..	2	..	18	3
Accidents .....	4	2	1	..	1	..	..
Suicides .....	2	..	..	..	..	1	1
Convulsions.....	26	23	1	2	..	..	..
Marasmus and Atrophy ...	6	6	..	..	..	..	..
Debility.....	8	8	..	..	..	..	..
All other Causes.....	56	2	3	3	..	21	27
All Causes .....	278	110	40	11	8	68	41

TABLE SHOWING CASES NOTIFIED DURING THE YEAR.

	January.	February.	March.	April.	May.	June.	July.	August	September	October.	November.	December.	Totals.
Smallpox .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever .....	2	1	5	5	12	1	...	...	1	4	5	8	44
Typhoid Fever .....	1	1	...	1	1	1	3	...	1	4	...	1	14
Continued Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas .....	1	...	...	...	...	...	...	...	...	...	...	...	1
Diphtheria.....	...	1	3	...	...	...	1	1	2	...	...	...	8
Croup.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals.....	4	3	8	6	13	2	4	1	4	8	5	9	67

Chief Vital Statistics for 1908, and their comparison with 1907, and the average of the ten years 1898—1907.

	Administrative County of Durham.		Southwick-on-Wear.	
	Annual rates per 1000 population.		Annual rates per 1000 population.	
	1908	1907	1908	1907
Birth-rate .....	37.0	34.8	38.35	35.38
Death-rate .....	17.5	17.	18.35	16.1
Zymotic death-rate.....	2.7	1.98	3.36	1.7
Infant mortality-rate (per 1,000 births)	151	136	184	132
Smallpox .....	nil	nil	nil	nil
Scarlet fever.....	0.07	0.06	0.06	nil
Diphtheria and Membranous croup ...	0.18	0.20	0.12	nil
Fever (enteric and continued) .....	0.18	0.10	0.06	0.19
Measles .....	0.27	0.69	0.26	0.66
Whooping cough .....	0.53	0.32	1.12	0.19
Diarrhoea .....	1.44	0.59	0.46	0.66
Enteritis, etc. ....	nil	0.14	1.25	nil
Phthisis .....	0.95	0.97	1.12	0.52
Other tubercular diseases.....	0.70	0.80	0.26	0.72
Respiratory diseases .....	2.81	3.09	3.3	3.03
				Mean rates for 10 years 1898-1907.
				39.7
				20.7
				4.0
				185
				nil
				0.14
				0.1
				0.19
				0.83
				0.56
				1.28
				0.86
				1.6
				0.56
				3.41

Administrative County of Durham.  
1908—15,148. 1907—15,148.

Administrative County of Durham.  
1908—843,770. 1907—832,900.

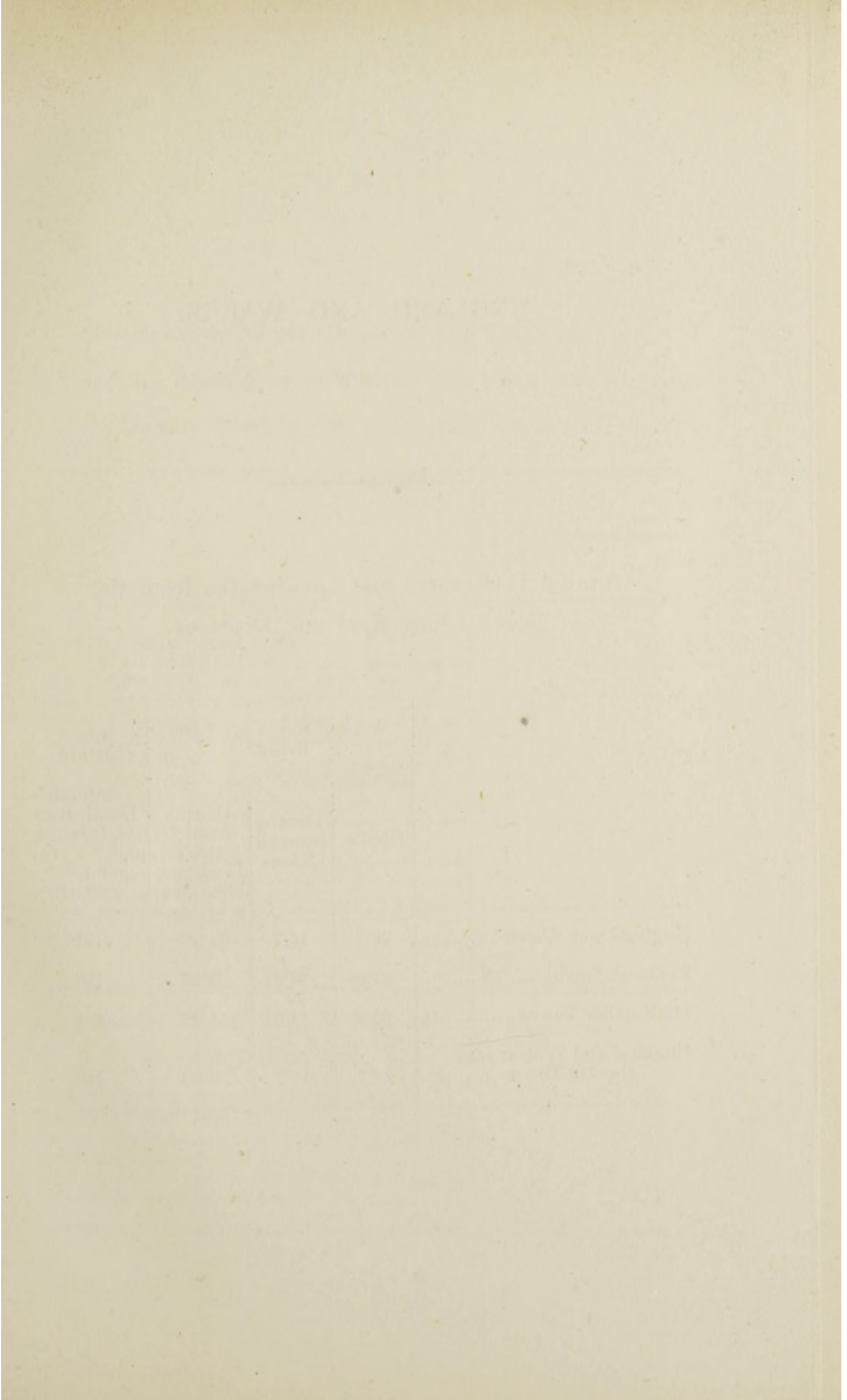
Southwick-on-Wear.  
1908—15,148. 1907—15,148.

## ENGLAND AND WALES,

1908.

Annual Birth-rates and Death-rates from the  
Seven Chief Epidemic Diseases.

	Annual Rates per 1,000 living.			Infant Mortality.
	Births.	Deaths from all Causes.	Deaths from 7 chief Epidemic Diseases.	Annual Death-rate of Infants under 1 year per 1,000 Births.
England and Wales .....				
73 Great Towns .....				
142 Smaller Towns.....				
England and Wales, <i>less</i> the 218 Towns .....				



# ENGLAND AND WALES,

1908.

## Annual Birth-rates and Death-rates from the Seven Chief Epidemic Diseases.

	Annual Rates per 1,000 living.			Infant Mortality.
	Births.	Deaths from all Causes.	Deaths from 7 chief Epidemic Diseases.	Annual Death-rate of Infants under 1 year per 1,000 Births.
England and Wales .....	26·5	14·7	1·29	121
76 Great Towns .....	27·0	14·9	1·59	128
142 Smaller Towns.....	26·0	14·0	1·26	124
England and Wales, <i>less</i> the 218 Towns .....	26·2	14·7	0·99	110

SUMMARY OF WORK DONE IN THE INSPECTOR OF  
NUISANCES' DEPARTMENT DURING THE YEAR 1908 IN THE  
URBAN DISTRICT OF SOUTHWICK-ON-WEAR.

	Number of Nuisances abated after Notice.	General Remarks.
<b>1—PUBLIC HEALTH ACTS.</b>		
Dwelling-houses and Schools—		
Structural Defects .....	5	
Ash Closets in lieu of Ashpit Privies .....	2	
Ashpits and Privies Repaired .....	6	
Sanitary Receptacles Provided.....	49	
Deposits of Refuse and Manure .....	3	
Ash Closets Repaired .....	6	
Water Closets in lieu of Ashpit Privies.....	49	
Water Closets Repaired .....	8	
Defective Yard Paving.....	24	
House Drainage—		
Defective Gullies .....	15	
Other Faults .....	60	
Water Supply .....	17	
Animals Improperly Kept .....	5	
Other Nuisances .....	16	
Total.....	265	
<b>2—HOUSING OF THE WORKING CLASSES ACT, 1890.</b>		
Formal Notices served.....		
Dwellings dealt with.....		
Dwellings made habitable after formal notice		
Closing Orders applied for .....		
Closing Orders granted by Magistrates .....		
Dwellings permanently closed .....		

3.	No.	Remarks.
Number of New Houses erected during the year .....	27	
Number of such Houses occupied during the year .....	16	
4—WATER, FOOD, AND DRUGS.		
Samples of Water taken for Analysis.....		
Samples of Water condemned as unfit for use		
Seizures of Unwholesome Food .....		
Convictions for Exposing or Selling		
Unwholesome Food .....		
Samples of Food and Drugs taken for		
Analysis .....		
Samples of Food found Adulterated .....		
5—PRECAUTIONS AGAINST INFECTIOUS DISEASE.		
Lots of Infectious Bedding Stoved or Destroyed.....	69	
Houses Disinfected after Infectious Disease.	69	
Schools Disinfected after Infectious Disease.		
Prosecutions for Exposure of Infected Persons or Things.....		
Convictions for Exposure of Infected Persons or Things.....		

Annual Report of Medical Officer of Health for 1908,  
for the Urban District of Southwick-on-Wear,  
on the administration of the Factory and Workshop  
Act, 1901.

—————  
FACTORIES, WORKSHOPS, WORKPLACES, AND  
HOMEWORK.

—————  
1—INSPECTION.

Including Inspections made by Sanitary Inspector  
or Inspector of Nuisances.

Premises.	Number of Inspections.
Factories (including Factory Laundries) .....	55
Workshops (including Workshop Laundries) .....	75
Workplaces (other than Outworkers' Premises included in Part 3 of this Report) .....	52
Total.....	182

## 2—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts :—</i>				
Want of cleanliness .....				
Want of ventilation .....				
Overcrowding .....				
Want of drainage of floors .....				
Other nuisances .....				
Sanitary accommodation—				
Insufficient .....				
Unsuitable or defective ...				
Not separate for sexes .....				
 <i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouse (s. 101) ...				
Breach of special sanitary requirements for bakehouses (ss. 97 to 100) .....				
Other offences (excluding offences relating to outwork which are included in Part 3 of this Report).....				
Total.....				

## 3—HOME WORK.

NATURE OF WORK.	Numbers of Addresses of Outworkers received from other Councils	Number of Inspections of Outworkers' premises.
Quilt making .....	2	4
Wearing Apparel— (1) making, &c. ....	2	4
File making .....	2	4
Total.....	6	12

## 4—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.
Important classes of work-shops, such as workshop bakehouses, may be enumerated here. {	
Bakehouses .....	14
Shoemakers .....	4
Tailors .....	1
Dressmakers.....	4
Blacksmiths .....	1
Total number of workshops on Register.....	24

## 5—OTHER MATTERS.

Class.	Number.
Matters notified to H.M. Inspector of Factories :—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133).....	
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5) {	Notified by H.M. Inspector .....
Other .....	Reports (of action taken) sent to H.M. Inspector .....
Underground Bakehouses (s. 101) :—	
Certificates granted during the year .....	
In use at the end of the year .....	

RAINFALL in 1908 at Southwick Cemetery.

Rain Gauge { Diameter of Funnel, 8 in  
 Height { Above Ground, 1 ft.  
 of Top { Above Sea Level, 170·79 ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 or more recorded.
	Inches.	Inches.	Date.	
Jan.	1·31	·78	7th	7
Feb.	1·12	·39	29th	12
Mar.	2·62	·69	6th	18
Apr.	3·05	·52	26th	14
May	1·52	·31	6th	11
June	·67	·13	4th	8
July	2·65	·66	17th	11
Aug.	1·15	·39	31st	15
Sept.	1·66	·24	18th	16
Oct.	1·25	·35	27th	10
Nov.	1·32	·42	21st	13
Dec.	1·63	·35	27th	11
Total...	19·95			146

## RECORD OF TEMPERATURE.

Date	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1			26		31	42	43	53	65			55
2			32		31	41	45	61	52			70
3	22	45	29		30	44	43	54	43			83
4	27	36	27		26	40	36	50	59			73
5	29	38	35		27	41	38	51	68			67
6	38	53	32		33	38	35	53	67			55
7	34		38		30	42	40	52	58			61
8	29		37		37	50	40	55	65			67
9	24		36		38	45	37	58	64			73
10	29		38		31	43	36	49	68			72
11	29		38		28	42	39	53	70			61
12	18		29		26	45	33	53	52			69
13	23		30		31	44	32	50	55			60
14	33		32		26	39	31	48	59			61
15	40		32		29	42	40	55	65			75
16	40		33		25	42	38	53	64			76
17	35		34		26	42	41	53	70			58
18	29		29	45	29	50	45	52	73			57
19	28		33	50	25	43	44	48	61			62
20	28		41	50	29	43	36	49	66			71
21	25		33	52	30	43	34	45	62			76
22	23		41	50	30	42	27	45	63			78
23	27		33	45	38	54	26	44	68			71
24	29		33	46	35	57	31	44	70			77
25	31		32	47	39	41	31	45	64			81
26	36		35	48	40	43	38	43	70	55	67	67
27	33		28	44	40	52	41	50	75	56	71	71
28	30		27	38	45	53	45	53	71	52	68	68
29	25		30	38	33	53	45	54	61	47	72	72
30	29			38	40	53	45	56	65	45	77	77
31	28		40		40	53	44	56	68			

*No instrument from April 30 till June 26.*

*No instrument from Jan. 7 till Feb. 17.*

## RECORD OF TEMPERATURE.

Date	JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1	45	84	48	75	42	69	50	79	47	53	28	39
2	53	85	51	78	39	61	51	74	47	54	30	38
3	50	63	56	78	45	62	50	78	43	49	28	37
4	45	68	51	71	35	62	53	73	40	51	32	43
5	51	61	52	61	49	66	46	60	49	52	35	47
6	52	61	44	75	48	67	44	65	31	50	27	45
7	44	70	46	75	53	67	45	68	23	47	29	48
8	52	75	52	78	47	68	50	62	23	43	31	51
9	51	65	55	75	43	58	47	61	25	44	35	46
10	55	73	44	65	44	56	45	62	30	42	36	41
11	47	75	40	65	37	59	42	63	36	52	31	41
12	53	76	43	62	36	58	43	64	39	53	30	40
13	50	66	51	62	48	59	45	60	38	50	31	44
14	47	66	42	70	51	62	45	65	44	49	35	44
15	52	79	44	73	40	64	46	60	38	50	26	45
16	53	75	46	82	50	63	49	58	39	50	27	45
17	52	74	47	60	47	68	51	55	41	49	30	47
18	50	58	46	62	55	67	52	56	36	50	32	46
19	49	63	50	63	52	76	50	53	27	47	33	47
20	46	74	51	60	55	65	43	54	32	45	34	50
21	50	87	53	60	55	64	43	51	35	53	36	46
22	50	81	41	70	54	69	45	52	36	51	36	47
23	49	76	42	64	52	60	58	50	30	45	35	49
24	58	78	52	75	52	57	34	42	35	53	34	46
25	50	74	53	70	50	61	37	52	35	47	36	45
26	51	74	50	69	47	65	48	52	33	46	30	48
27	48	78	50	68	42	64	41	50	42	49	23	41
28	45	78	48	71	52	69	44	54	35	52	21	34
29	55	81	44	66	55	76	42	64	31	48	12	30
30	50	75	40	73	55	77	43	55	29	45	20	32
31	47	72	43	75			38	58			30	40

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TABLE V.  
SOUTHWICK-ON-WEAR URBAN DISTRICT.  
INFANTILE MORTALITY DURING THE YEAR 1908.  
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
ALL CAUSES	Certified.....	23	...	2	1	26	13	10	8	8	4	9	11	6	6	2	4	107
	Uncertified .....	1	...	...	...	1	...	...	1	1	...	...	...	...	...	...	...	3
Common Infectious Diseases.	Smallpox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken-pox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Measles .....	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	2
	Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Diphtheria (including Membranous Croup) .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
	Whooping Cough .....	...	...	...	...	...	2	...	1	2	...	1	...	2	1	...	1	10
	Diarrhoea, all forms .....	...	...	...	...	...	...	1	...	...	...	1	2	1	...	...	...	5
	Enteritis, Muco-enteritis, Gastro-enteritis .....	...	...	...	...	...	...	...	2	...	...	...	2	2	1	...	...	8
	Gastritis, Gastro-intestinal Catarrh .....	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
	Premature Birth.....	15	...	1	...	16	...	...	...	...	...	...	...	...	...	...	...	...
Wasting Diseases.	Congenital Defects .....	3	...	...	...	3	2	3	...	...	...	...	...	...	...	...	...	8
	Injury at Birth .....	3	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	3
	Want of Breast-milk, Starvation .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Atrophy, Debility, Marasmus .....	1	...	...	...	1	2	...	1	...	...	1	1	...	...	...	...	6
Tuberculous Diseases	Tuberculous Meningitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tuberculous Peritonitis: Tabes Mesenterica .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other Tuberculous Diseases .....	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
	Other Causes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes	Erysipelas .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Syphilis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rickets .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Meningitis (not Tuberculous) .....	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2
	Convulsions .....	1	...	1	1	3	4	3	3	2	3	1	1	1	2	...	...	23
	Bronchitis .....	...	...	...	...	...	3	1	2	3	...	1	3	1	...	1	2	17
	Laryngitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pneumonia .....	...	...	...	...	...	1	...	1	1	...	1	...	...	...	...	...	4
	Suffocation, Overlying .....	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
	Other Causes .....	1	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2
		24	...	2	1	27	13	10	9	9	4	9	11	6	6	2	4	110

Births in the year—Legitimate, 565; Illegitimate, 16. Deaths from all Causes at all Ages, 278.  
Deaths in the year of Legitimate Infants, 102; Illegitimate Infants, 8.  
Population (estimated to middle of 1908), 15,148.

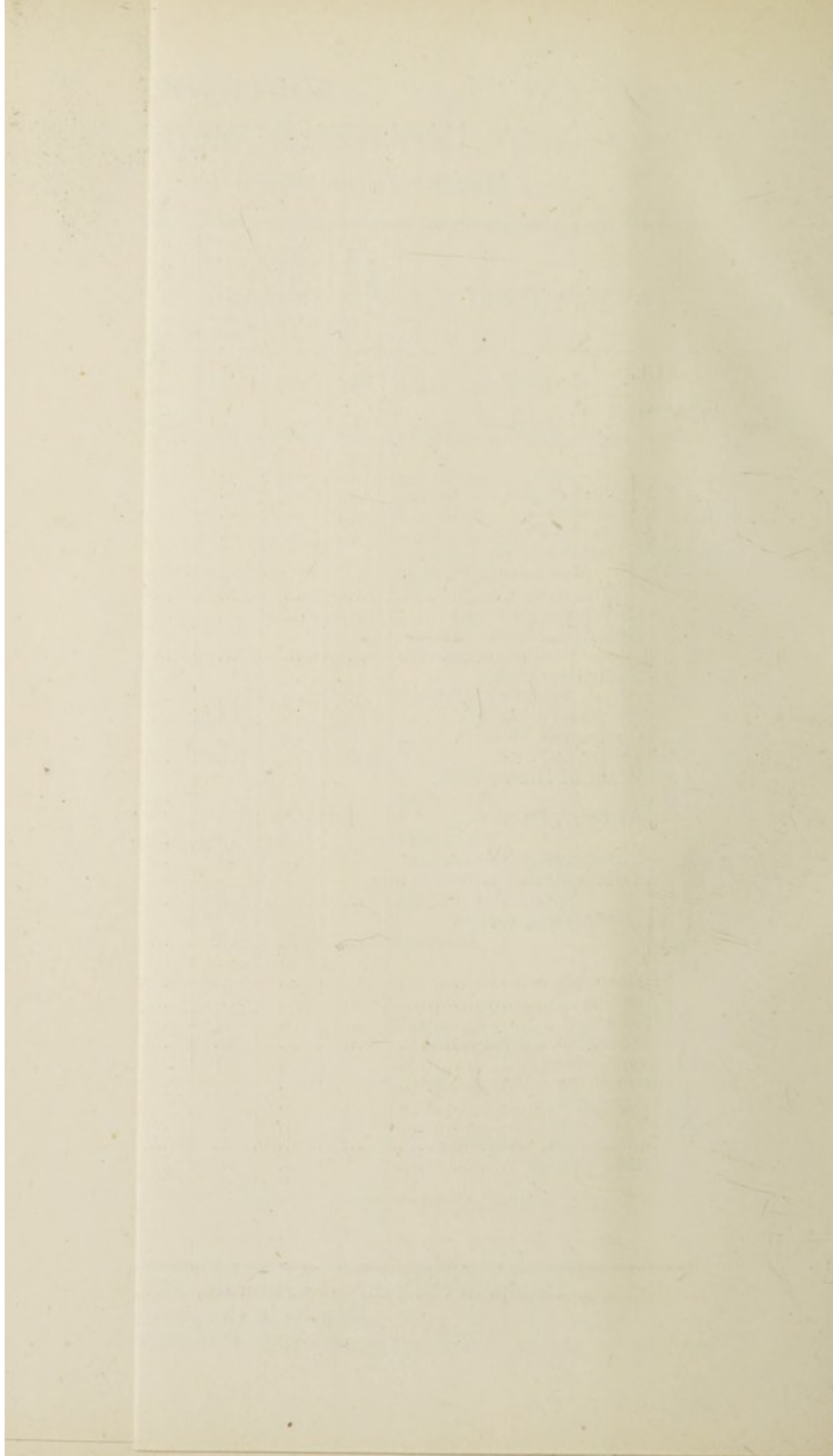






CHART SHEWING THE NUMBER OF CASES OF SCARLET FEVER, ENTERIC FEVER AND DIPHTHERIA AND MEMBRANOUS CROUP NOTIFIED DURING EACH FORTNIGHT IN THE YEAR 1908.

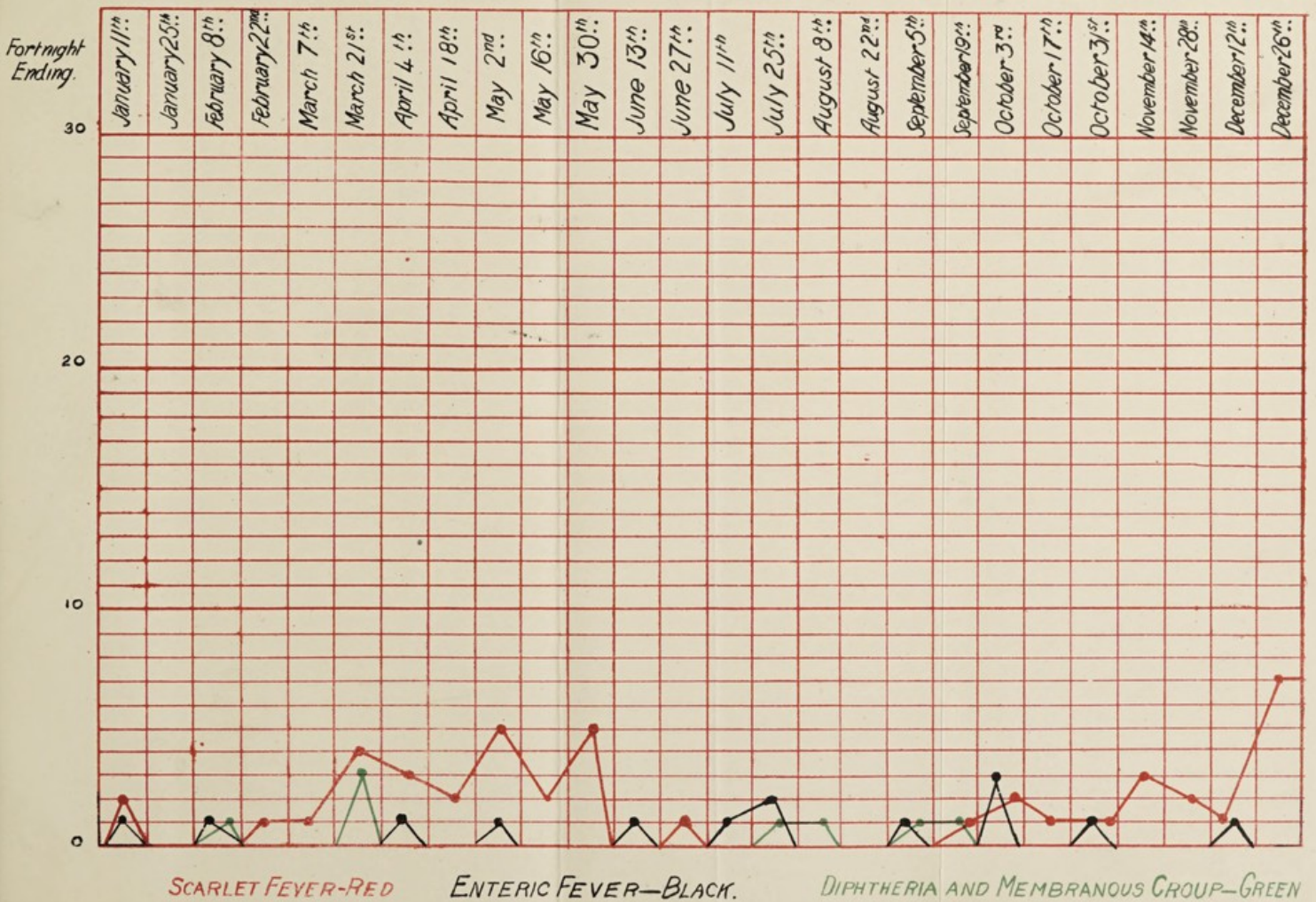


Chart showing the number of  
and percentages of



100  
90  
80  
70  
60  
50  
40  
30  
20  
10  
0