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REPORT
ON THE
SANITARY CONDITION
OF THE
County Borough
OF
Birkenhead,
FOR THE YEAR 1909,

BY

R. SYDNEY MARSDEN,

D. Sc., M.B., Mast. Surg., D.P.H., F.R.S.Ed., M.R.I.A.

Fellow of the Institute of Chemistry. Fellow of the Chemical Society, Fellow and Ex-President of the Royal Medical Society and Hon. Member of the University Natural Science Club of Edinburgh. Fellow of the Incorporated Society of Medical Officers of Health. Fellow and Member of the Council of the Royal Institute of Public Health. President of the Birkenhead Medical Society. School Medical Officer, and Medical Officer of Health for the Borough. Physician Superintendent of the Birkenhead Hospital for Infectious Diseases, and of the Smallpox Hospital, and Ferry Surgeon, etc.

BIRKENHEAD :

WILLMER BROS. & Co., LTD., 64, 66 & 68, CHESTER STREET.

1909.

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OF THE
BIRKENHEAD TOWN COUNCIL,
1909-10.

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†*MR. ALDERMAN THOMAS SHAW, DEPUTY-CHAIRMAN.

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AND

HIS WORSHIP THE MAYOR.

(A. H. ARKLE, Esq.)

Day of Meeting every alternate Tuesday at 4-15 p.m.

* Members of the Health Sub-Committee

† Members of the Hospital Sub-Committee

OFFICIALS
OF THE
PUBLIC HEALTH DEPARTMENT,
1909.

Medical Officer of Health.

R. SYDNEY MARSDEN, D.Sc., M.B., MAST. SURG.; D.P.H., F.I.C

Borough Analyst.

J. CARTER BELL, ASSOC. ROY. SCH. MINES., F.I.C., F.C.S., &c.

Chief Inspector and Inspector under the Food and Drugs Act.

*WILLIAM DAWSON, ASSOC. SAN. INST.

Chief Clerk.

JOSEPH BENNETT.

Junior Clerks.

JOHN OWEN, LESLIE KIRK,
THOS. GARDENER.

Inspector of Meat, Fish, and Slaughter Houses.

*JOHN M. CARNIE.

District Sanitary Inspectors.

*WILLIAM FITZGERALD. *JOHN LEE. *H. T. TAYLOR.
*W. H. TILSTON.

Inspector of Workshops and Bakehouses.

*S. H. MOORE.

Inspector of Common Lodging Houses and Houses let in Lodgings.

JOHN JONES.

Disinfecting Inspector.

ISAAC TAYLOR.

Keeper of Disinfecting House.

| H. ELLIS.

Disinfecting Labourers.

ROBERT NIELD. *JOHN JACKMAN. TIMOTHY J. SCOTT.

Those marked thus * have passed the examination of the
Sanitary Institute or the Scottish Sanitary Institute.

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*To the Mayor, Aldermen, and Council of the
County Borough of Birkenhead.*

GENTLEMEN,

In accordance with the duty which annually devolves upon me, I have the honour of submitting to you my Eighteenth Report to the Health Committee on the Health of Birkenhead, viz., that for the year 1909.

The recurrence of this duty has always been a source of pleasure to me, and this year will prove no exception to the rule, as I am again privileged to record a satisfactory condition of Health in the Borough.

The Report follows much the same lines as in previous years, and will be found to contain a detailed account of the work done by the Public Health Department. It is not necessary for me to say more here.

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

R. SYDNEY MARSDEN,
MEDICAL OFFICER OF HEALTH.

PUBLIC HEALTH DEPARTMENT,

May 10th, 1910.

COUNTY BOROUGH OF BIRKENHEAD
DURING 1909.

SHORT SUMMARY.

Area in Acres	3,850, or a little more than 6 square miles.
No. of Houses in the Borough, Dec. 31st	26,139
No. of Uninhabited Houses at time of Census	1,428
Population (at Midsummer)	120,955
Rateable Value	£673,127
id. in the £ yields for General Purposes	£2,610
id. in the £ yields for Sanitary Purposes	£2,400
Number of Persons per Acre (Density of Population)	31.4
Number of Persons per House at time of Census	5.6
Birth Rate per 1,000 living	30.9
Death Rate do.	15.9
Zymotic Death Rate per 1,000 living	1.4
Average Death Rate last 10 years	17.1
Deaths of Children under 1 year of age to 1,000 Births	122
Percentage of Uncertified Deaths	0.4

THE SANITARY CONDITION
OF THE
COUNTY-BOROUGH OF BIRKENHEAD
DURING 1909.

*Report of the Medical Officer of Health to the
Health Committee.*

In presenting my Eighteenth Annual Report it is again my privilege to state that the health of Birkenhead during the year 1909, as estimated by the general mortality, was in a very satisfactory condition, the death rate of 15.9 per 1,000 being one of the lowest yet recorded, having only been lower on one occasion, viz., 15.4 in 1907—a very exceptional year.

The steady improvement in the sanitary condition of the town, as revealed by the statistics of the last few years, has been fully sustained by those of the year now under consideration, and it will be a matter of satisfaction to the Health Committee to find that notwithstanding the steady growth in the population which is taking place, and the consequent considerable increase of density, or in other words, number of persons per acre, yet their efforts to maintain a high state of sanitation in the Borough have borne fruit in a marked degree, and in a gratifying and continued improvement in the public health.

It must not be forgotten that increase of the density of population in the absence of the counteracting influence of sanitary work would probably have greatly increased the mortality, and the improvement indicated could not possibly have taken place.

The average death rate in Birkenhead during the ten years 1890-1899 was equal 19.4 per 1,000 persons living. During the ten years 1900-1909 it was 17.1, and in 1909 it was 15.9. It is obvious, therefore, that the death rate of the Borough has considerably declined.

The birth rate for the year, 30.9, is highly satisfactory, being one of the highest rates in the country and 4.6 higher than the average (26.3) for the 75 provincial towns. The average birth rate in the Borough for the last ten years being 31.3, or only 0.4 higher than for 1909. This high birth rate has a considerable influence on the infantile mortality, and must be taken into account when judging of the relative mortality of Birkenhead and other places—for it is obvious that if 4.6 per 1,000 of population more children are born here, than is the average in the other 75 provincial towns, with our population of 121,000 multiplied by 4.6, some 556 more births took place here than on the average of the towns, giving that number of extra chances of deaths amongst infants and consequent increase in the Infantile death rate, in comparison with theirs.

The Infantile death rate in Birkenhead, when considered from this standpoint, is not excessive and in 1909 was only 122 per 1,000 births, one of the lowest rates recorded for the Borough, the cool summer, absence of flies, and consequent low diarrhæal death rate probably accounts in a large measure for this result.

Much interest has been shown in this question of Infantile mortality, and therefore I have taken a considerable amount of trouble to deal with the question, particularly with reference to the adoption of the "Notification of Births Act," and have written one or two reports on the subject. From these I make the following quotations:—

"The Notification of Births Act," as the Committee are aware, is not a compulsory Act, but an adoptive one.

Had the Legislature thought it essential, it would have been made compulsory, but it felt that each district was best able to judge of its own wants in the matter, and therefore left it for the local Authority to decide. Its primary object was for application to the towns where large numbers of women work in factories—for reasons which are obvious.

According to the last returns that I have been able to obtain—

46 County Boroughs have adopted the act and

28 have not, amongst the latter being Bristol, Leicester, Manchester, Salford, Leeds, Sunderland, Huddersfield, Portsmouth, Plymouth and Leyton.

Of the non-county Boroughs 44 have adopted the Act and 209 have not. Other Urban Districts are in about the same proportion.

It will be seen therefore that the Act has only been adopted in a comparatively few of the Boroughs.

Let us next look at the returns of Infantile Mortality for towns in the N.W. District—because the returns of these towns *only* can be fairly compared with those of Birkenhead.

All death rates in the N.W. District being higher than in other parts of the country, as you move from N.W. to N.E. the death rate gradually falls as you go from N.E. to S.E., it falls to its lowest in the S.E. corner of England; if you go from S.E. to S.W. it gradually rises, and as you come up from S.W. to N.W. it gets at its highest between the Dee and the Clyde, showing that climatic conditions have a great deal to do with it. This fact should always be kept in mind when considering and comparing death rates for different parts of the country.

I have selected the towns in this district in which the Act has been adopted so as to compare them with Birkenhead where it has not.

The following table gives the number of Infantile Deaths per 1,000 births for the last 10 years, together with the population and the birth rates, and in considering this table it must not be forgotten that the birth rate has a very appreciable influence on the Infantile death rate since the mortality among the extra numbers born would necessarily be in greater proportion than that of the population generally.

Town.	Popula- tion. 1909	Birth Rate 1909	Infantile Deaths per 1000 Births.									
			1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
Burnley. . . .	106267	24.9	203	227	175	216	232	174	212	156	201	157
Preston	118519	25.5	236	218	188	161	183	150	200	158	154	137
Bolton	187824	25.2	170	172	132	151	167	166	138	145	148	126
Stockport . . .	103706	26.3	203	197	183	184	203	168	186	158	171	132
St. Helens . . .	95162	32.3	188	175	167	138	174	132	159	155	122	170
Liverpool . . .	760357	31.0	186	187	162	159	196	154	171	143	140	143
Birkenhead . .	120955	30.9	158	179	151	155	180	129	151	110	136	122
Bootle	71500	29.9	204	183	154	161	180	153	143	123	143	118

P.S.—The average Infantile Death Rate during the year 1909 for the 75 provincial towns was 122, i.e., the same as in Birkenhead. 32 of these towns having larger populations than Birkenhead and 42 smaller populations.

The average Birth Rate for the 75 towns was 26.3 per 1000, as against Birkenhead's 30.9 per 1000.

On looking at this table it will be noticed that Burnley, Bolton, Preston and Stockport have very low birth rates, ranging from 24.9 to 26.3, whilst Bootle, Birkenhead, Liverpool and St. Helens have much higher birth rates, ranging from 29.9 to 32.3

Liverpool and Birkenhead have practically the same birth rates, 31.0 and 30.9 respectively, whilst Bootle has only 29.9

How does Birkenhead stand in relation to these other towns? Its rate is lowest in nearly every year except in the case of Bolton, which also has the lowest birth rate, is much more inland, and much more to the East than Birkenhead, all advantages from the death rate point of view and bearing out the contention which I fully explained in my former report.

In the next Table I give the average infant mortality in these towns for series of years, as follows:—

Town.	Birth Rate 1909	Average Mortality 10 years.	5 years 1900-1904	5 years 1905-1909	1909
Burnley	24.9	195	211	180	157
Preston	25.5	178	197	159	137
Bolton	25.2	151	158	144	126
Stockport . . .	26.3	178	194	163	132
St. Helens . . .	32.3	158	168	147	* 170
Liverpool . . .	31.0	164	178	150	143
Birkenhead . . .	30.9	147	164	129	122
Bootle	29.9	156	176	136	118

Now what does this show? On the average of the last 10 years Birkenhead has the lowest infantile mortality of them all. For the five years 1900-1904 it has the lowest average except Bolton. For the five years 1905-1909 it has the lowest average of them all, including Bolton, and for last year, 1909, it is lower than all the others except Bootle, which is 4 per 1,000 less, a very small difference when we consider that Bootle is little more than half the size of Birkenhead, and has a birth rate of 1 per 1,000 less.

Our infantile death rate therefore compares very favourably with those of other towns of this district, and has steadily declined at a greater rate than the others have.

Although the Notification of Births Act has been adopted in all of them, their returns it is clear do not show any advantage to have accrued therefrom over Birkenhead, at least it would be difficult to determine what amount of the decline has been brought about by the adoption of the Act.

In 1909 the average infantile mortality in the 75 largest provincial towns was 122, *i.e.*, the same as in Birkenhead. All these facts taken into account show that the infantile mortality in Birkenhead is not relatively a high one, and for the N.W. coast it is a low one.

Very great care is taken in this Borough of the sanitary arrangements and surroundings of the houses of the poorer classes. But probably in no town of the Kingdom is there a greater proportion of very poor people, dependent on

casual labour of a very intermittent type, and therefore living from hand to mouth often on the verge of starvation. Yet the birth rate amongst these people is very high, and it is remarkable that under the circumstances our infantile mortality should keep relatively so low. Were it not for the constant care and attention bestowed on these poor people by the Health Committee I am satisfied the result would be otherwise.

The adoption of the Act would probably not have the slightest effect in dealing with this question in your Borough, the chief difficulty being poverty, which no Act of Parliament will remove unless you are going to institute free feeding at the expense of the community.

The adoption of the Act will entail considerable expense, and considering the voluntary work and advice which is being carried out at present, it is a question whether the advantages gained will be equivalent to the annual outlay required.

In connection with the subject of Infantile Mortality the following extract from the Annual Report for 1909, of the Birkenhead and Wirral Society for the Prevention of Cruelty to Children may be of interest and value, as it shows what is being actually done in the Borough.

“ Last year's Report mentioned that the Committee had had under consideration the placing in the hands of the Ladies' Committee the control of the Health Visitors, as it was felt the work carried on by them could be best supervised by ladies. This has now been arranged, and is working most satisfactorily, and the Ladies' Committee have formed a Rota Sub-Committee, which has met every week to supervise the work of the Health Visitors, the second of whom was appointed and began work on the first of May. From that time to the end of the year 2,811 mothers (out of 3,737) were visited

in all 4,011 times with excellent results. In many cases it was found that owing to the husband being out of work the babies were being insufficiently fed, and consequently 37 mothers were provided with milk, and 100 with barley and cereals, to enable them to feed their babies, 11 delicate babies were also provided with prepared foods. A small private fund enabled the Ladies' Committee to pay for the food thus supplied. The Health Visitors also gave 30 cooking lessons to the mothers in their own homes, showing them how to make soups and all kinds of cereal foods; these lessons were much appreciated, and have caused some improvement in the feeding of their young children."

In writing my successive annual reports it has been my custom to draw attention to such injurious conditions as existed from time to time, and which seemed to require the special attention of the Committee, and also as to such steps as have been taken for their improvement. Following on these lines the present report will be found to contain references to certain matters to which I have already repeatedly called attention and which are inimical to health, and which, in my opinion, ought to be seriously considered and dealt with during the coming year.

Most important of these is the abolition of the cobble paving, which still exists in many of the streets. The crevices between the cobble stones form small catch pits for filth of every description, and cannot be properly cleansed even with considerable attention being paid to them. When they are neglected or only half cleansed they are a source of distinct danger, and it is therefore desirable that this form of paving should be entirely done away with, or at least its gradual but steady removal accomplished. In the light of recent scientific work on the breeding of flies and their action as disease carriers, any town which allows this kind of paving to continue must be considered as behind the times.

In the succeeding pages of this report will be found details of the work carried on by the Public Health Department, together with the vital and mortal statistics of the Borough during the year under consideration, as follows :—

**DETAILED STATEMENT OF
THE WORK OF THE PUBLIC HEALTH DEPARTMENT
DURING 1909.**

Ordinary Sanitary Operations.—The ordinary sanitary operations of the Department have continued to receive unremitting attention. House-to-house inspections of the cottage property in the Borough have been regularly made. Gulleys and passage drains have been periodically cleansed, public fountains, etc., have been scoured and kept in order, and the systematic removal of ashpit refuse at stated intervals has been carefully superintended.

Summary of Nuisances, &c.—The summary of nuisances investigated and dealt with during 1909 is as follows :—

	1909.
Number of nuisances reported.....	7137
Number of formal notices given.....	2631
Number abated after formal notice and without proceedings	7135
Number of cases in which proceedings were taken for ordinary nuisances.....	2
Number abated after proceedings.....	2
House disinfecting notices	482
Nuisances at houses let in lodgings.....	165
Nuisances at common lodging houses.....	62
Notices for cleansing of filthy houses.....	3

A brief statement of the other measures taken in 1909 for correcting or getting rid of whatever appeared to be prejudicial to health is subjoined.

Sanitary defects reported by the Inspectors and referred for the action of the Borough Surveyor	335
---	-----

Matters reported to Water Engineer.....	166
Houses or parts of houses specially disinfected by formalin or other disinfectants.....	877
Notices to whitewash and efficiently cleanse milk-houses, cowsheds and dairies, given and complied with.....	388
Offensive privies ordered for conversion into water-closets.....	10
Parcels of infected bedding and clothes disin- fected at the Disinfecting House.....	657
Parcels of infected or discarded bedding and clothes destroyed	604
Carcases of dogs and cats, etc., removed from pools or waste land and buried.....	34
Deposits of putrid fish and other objectionable refuse removed .....	..
Total	<u>3071</u>

In addition to the above, the following work has been done :—

Number of excavations made for the purpose of testing the condition of house drains..	181
Number of smoke tests applied to drains of premises reconstructed under the super- vision of this Department.....	191
Number of water tests applied to drains....	311
Number of smoke tests applied to the drains of new buildings, in conjunction with the Borough Surveyor's Department.....	284

It will be seen from the above that the work of the Department continues to increase, this is in part due to new Acts of Parliament, to the ever-increasing population and consequent greater crowding, and also on account of the

more thorough manner in which examinations are now made. The latter tends to the advantage of the public, both as regards health and comfort, and every effort is made to keep down public or private nuisances dangerous to the community.

District Inspections.—The following is a statement of the work done by the District Inspectors of Nuisances and the Disinfecting Inspector during 1909.

	Number of Visits and Revisits made to Insanitary Property.
District I.—Inspector Fitzgerald.....	5639
„ II.— „ Lee	4019
„ III.— „ H. T. Taylor	4318
„ IV.— „ W. H. Tilston.....	5948
Disinfecting Inspector Isaac Taylor.....	4742
Total.....	<u>24666</u>

Smoke Nuisances.—Observations were taken of the smoke emitted from the factory and other chimneys of the Borough during the year 1909. 8 notices were served for the abatement of smoke nuisances, and 3 notices were served to raise chimneys.

Inspection of School Premises.

Working in conjunction with the Education Department, I had 28 schools specially examined by the District Inspectors and reported thereon to the Education Committee.

6 special reports were also made with regard to children and their homes arising out of reports sent to me as school medical officer.

Inspection of Common Lodging Houses and Houses let in Lodgings.

The following is a statement of the work performed during the year 1909 by the Inspector of Common Lodging Houses and Houses let in Lodgings, viz :—

REGISTERED COMMON LODGING HOUSES.

Day Inspections	3917
Night Inspections	505
The total number of registered lodging houses is 16.	

REGISTERED HOUSES LET IN LODGINGS.

Day Inspections	3460
Night Inspections	278

The total number of houses let in lodgings on the register at the end of 1909 was 660.

FACTORY AND WORKSHOP ACTS.

1878 to 1901.

In connection with the carrying out of the provisions of these Acts, the following is a statement of the work done by the Inspector during the year, viz :—

- 925 visits have been made to workshops.
- 336 visits have been made to bakehouses.
- 87 visits have been made to workplaces.
- 126 visits have been made to home-workers' premises.
- 26 workshops, including 4 bakehouses, have been placed on the register during the year, making a total of 424 up to the end of 1909, of which 60 are bakehouses and 39 are confectioners' shops.
- 21 workshops have been closed.
- 5 workshops have been transferred to more suitable premises.
- 112 nuisances in connection with workshops have been reported and abated.
- 22 notices have been served for the abatement of nuisance arising out of defective drainage, and 8 for inefficient ventilation.
- 36 notices to cleanse and limewash the workshops have been served and complied with.
- 190 occupiers of workshops have limewashed their premises under inspection, but without waiting for the formal notice.

No cases of overcrowding have been reported during the year.

3 workshops have been provided with w.c. accommodation where none previously existed.

19 failures to affix abstract of the Factory and Workshops Act (s. 133).

Lists of out-workers have been carefully kept, and notices in the form prescribed by the Secretary of State, as given in my Report for 1892 (pp. 57 and 58), have been served when necessary.

Laundries.—224 visits were made during the year to the 60 laundries at present on the register.

Bakehouses.—The duties involved in carrying out the provisions of the Acts relating to the sanitary condition of bakehouses have been put under a special Inspector, and during the year 336 visits have been made to bakehouses.

There has been a very great improvement secured by this systematic inspection.

“Shop Hours Acts, 1892 and 1895.”

In carrying out the provisions of these Acts the Inspector has paid 605 visits to different shops, and the occupiers' names and addresses have been placed upon a register specially kept for the purpose, together with the date of his visits.

Seats for Shop Assistants Act, 1899.

[62 and 63 Vict., ch. 21.]

78 premises have been visited under this Act, and 160 visits made during the year ending 1909.

SHOP HOURS ACT, 1904.

CLOSING ORDER WITH RESPECT TO HAIRDRESSERS.

In connection with this Order, 840 visits have been made. No summons were issued for an infringement of this Order.

Administration of the Factory and Workshop Act, 1910,

IN CONNECTION WITH

Factories, Workshops, Laundries, Workplaces and Homework.

I. INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors
of Nuisances.

Premises (1)	Number of			
	Inspections. (2)	Written Notices. (3)	Prosecutions. (4)	
Factories (Including Factory Laundries)	40	..	—	
Workshops (Including Workshop Laundries)	798	66	—	
Workplaces (Other than Outworkers' premises- included in Part 3 of this Report)	87	—	—	
Total	925	66	—	
2. - DEFECTS FOUND.				
Particulars. (1)	Number of Defects			Number of Prosec- tions. (5)
	Found (2)	Remed'd (3)	Referred H.M. Inspect'r (4)	
Nuisances under the Public Health Acts :—				
Want of cleanliness	36	36	—	—
Want of ventilation	8	8	—	—
Overcrowding	—	—	—	—
Want of drainage of floors	2	2	—	—
Other nuisances	88	88	—	—
Sanitary accommodation { insufficient	Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted, and the standard of sufficiency enforced is in accord- ance with the Home Secretary's Order of the 4th Feb., 1903.			
{ unsuitable or defective				
{ not separate for sexes				
Offences under the Factory and Workshop Act :—				
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).	62	62	—	—
Total	196	196	—	—

3.—HOME WORK.

NATURE OF WORK.*	OUTWORKERS' LISTS, SECTION 107.					Number of Inspectors of Outworkers.	OUTWORK IN UNWHOLE-SOME PREMISES, SECTION 108.			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.					
	Lists received from Employers.		Numbers of Outworkers received from other Councils.	Numbers of Addresses of Outworkers for other Councils.	Numbers of Addresses of Outworkers forwarded to other Councils.		Prosecutions.	Instances.	Notices served.	Prosecutions.	Instances.	Orders made (s. 110).	Prosecutions (Sections 109, 110).		
	Twice in the year.	Once in the year.													
(1)	Lists (2)	Outworkers (3)	Lists (4)	Outworkers (5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Wearing Apparel—	†	†	—	—	—	—	—	—	—	—	—	—	—	—	—
(1) making, etc.	27	57	12	32	15	23	—	—	126	—	—	—	—	—	—
(2) cleaning & washing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Furniture & upholstery	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	27	57	12	32	15	23	—	—	126	—	—	—	—	—	—

INSTRUCTIONS.—* If an occupier gives out work of more than one of the classes specified in column 1, and subdivides his list in such a way as to show the number of workers in each class of work, the list should be included among those in column 2 (or 4 as the case may be) against the principal class only, but the outworkers should be assigned in column 3 (or 5) into their respective classes. A footnote should be added to show that this has been done.

† The figures required in columns 2 and 3 are the total number of lists received from employers who sent them both in February and August as required by the Act and of the entries of names of outworkers in those lists. They will, therefore, usually be double of the number of such employers and (approximately) double of the number of individual outworkers whose names are given, since in the February and August lists of the same employer the same outworker's name will often be repeated.

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.	Class.	Number.
(1)	(2)	(1)	(2)
Bakehouses	60	Matters notified to H.M. Inspector of Factories :—	19
Confectioners	39	Failure to affix Abstract of the Factory and Workshop Act (s. 133)	7
Other Workshops	325	Action taken in matters referred to H.M. Inspector as remediable under the Public Health Acts but not under the Factory and Workshop Act (s. 5)	These matters
Important classes of workshops, such as Bakeries, may be enumerated here.		Other	Reports (of action taken) sent were attended to to H.M. Inspector at the time.
Total number of workshops on Register	424	Underground Bakehouses (s. 101) :—	None.
		Certificates granted during the year	37
		In use at the end of the year	

5.—OTHER MATTERS.

Class.	Number.
(1)	(2)
Matters notified to H.M. Inspector of Factories :—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133)	19
Action taken in matters referred to H.M. Inspector	7
by H.M. Inspector as remediable under the Public Health Acts but not under the Factory and Workshop Act (s. 5)	These matters
Other	Reports (of action taken) sent were attended to to H.M. Inspector at the time.
Underground Bakehouses (s. 101) :—	None.
Certificates granted during the year	37
In use at the end of the year	

The Midwives Act, 1902.

In connection with the carrying out of the provisions of this Act, a great deal of work was done during the year : not only in visiting the homes of midwives, but in interviewing them in connection with their work and explaining the provisions of the Act and the rules laid down for their guidance by the Central Midwives' Board.

During the year 1909 some 59 midwives had entered their names on the local register as practising in the Borough, being 3 more than in 1908, but names are constantly being added to the roll and there is reason to believe that this number will be considerably added to. Of the above 59, seven of them subsequently left the district, and their names have been removed from the register accordingly.

During the year I received eight serious complaints against midwives and 18 minor ones. All of these were carefully investigated by me and the midwives in question interviewed—in some of these I found the complaints not established. I also interviewed 10 midwives on minor matters where no complaint had been made.

Notices were received from midwives of 42 still births (24 male and 18 female) having occurred ; and 39 cases were notified in which medical aid had been called in.

I paid a number of visits of inspection to midwives, and I also inspected the bags and registers of 23 midwives.

Cleansing of Persons Act, 1897.

Two verminous persons applied to be cleansed under the provisions of this Act, and were dealt with at the special baths provided for this purpose at the disinfecting station in Corporation Road. Their clothing was also disinfected.

Infectious Diseases (Prevention) Act, 1890.

A number of library books were collected and destroyed from houses where there had been infectious disease.

Seizure and Destruction of Unwholesome Meat, Fish and Vegetables.

The Meat and Food Inspector has furnished the following particulars of meat, etc., unfit for human food, seized and destroyed during 1909.

The total weight of the meat destroyed amounted to 130,322 lbs., but of this a large proportion was voluntarily surrendered by the butchers, they having called the Inspector's attention to it.

One steer from U.S.A. affected with anthrax was also dealt with.

As in all recent years, a considerable proportion of the meat taken was on premises in connection with the Foreign Animals Wharf, Woodside. The total number of oxen killed at Woodside and inspected by us during 1909 was 145,774 and 80 oxen and 1 sheep were killed at Wallasey Stage, and 9 sheep at No. 4 Shed Wallasey, within our jurisdiction. At the Abattoirs in New Chester Road there were killed 1149 beasts; 5862 sheep, 5699 lambs, 507 calves, and 4110 pigs; a total at the Abattoirs of 17327.

In addition to the above 26 lbs. of fruit and vegetables were seized on street and destroyed as unfit for food.

Tuberculosis.—The following is a statement of the number of cases dealt with during the year :—

	At Woodside	Abattoirs		Weighing lbs.
		Cattle	Pigs	
No. where whole carcasses taken	23	8	3	17868
No. where part only was taken	14	6	—	4546
No. where offal only was taken	19	8	—	4135
Total	56	22	3	26549

Proceedings taken under the "Sale of Food and Drugs Acts, 1875 to 1909."

The Chief Inspector (Mr. William Dawson) gives the following summary of proceedings taken under these Acts during 1909.

The total number of samples taken during the year was 226, viz., Milk 94, Butter 51, Beer 12, Coffee 8, Cheese 7, Lard 6, Sweets 6, Skimmed Milk 5, Malt Vinegar 4, Cream 3, Pepper 3, Cream of Tartar 2, Gin 2, Ground Rice 2, Irish Whisky 2, Potted Shrimps 2, Rum 2; Sausages 2, Scotch Whisky 2, Strawberry Jam 2, Syrup 2, Tartaric Acid 2, Brandy 1, Cream Cheese 1, Damson Jam 1, Honey 1, Plum Jam 1.

Out of the above 4 samples of Milk, 2 of Coffee, 2 of Potted Shrimps, 1 of Butter, 1 of Skimmed Milk, and 1 of Lard were reported adulterated, and proceedings were taken in all these cases of Milk, Coffee, Butter and Skimmed Milk.

With reference to the remaining samples reported adulterated the Health Committee considered it was inadvisable to institute proceedings.

The sample of Lard was sold to the purchaser with a proper notice that it was "Nut Lard."

The two samples of Potted Shrimps were sold with labels intimating they contained boron preservatives and the Analyst also expressed the opinion the Boracic Acid might have come from the butter.

Included in the 226 samples purchased during the year, 5 samples were taken informally and analysed and found correct.

In addition to the samples analysed, 3 samples of Coffee and 1 of Margarine were purchased, but not forwarded to the Analyst owing to proper notice being given at the time of purchase.

The particulars respecting the samples in which proceedings were taken are as follows:—

Quarter ending	No.	Article.	Amount of Adulteration.	Fine Inflicted.	Costs Imposed.
1909				£ s. d.	£ s. d.
June 30.....	75	Coffee ..	25 % of chicory	0 5 0	0 17 0
.. .. .	103	Milk	Deficient of 40 % of fat ..	Dismissed	
September 30 ..	107	Milk	Deficient of 30 % of fat ..	1 0 0	0 17 0
December 31 ..	151	Coffee ..	50 % of chicory	0 5 0	0 17 0
.. .. .	152	Milk	5 % of added water	0 5 0	0 17 0
.. .. .	197	Skimmed Milk	20 % " "	1 0 0	1 0 0
.. .. .	223	Milk	17 % " "	0 5 0	0 17 0
In addition to the above the following fine was inflicted under the provisions of Section 6 of the Margarine Act, 1887.					
June 30	81	Butter....	Margarine not labelled so as to be clearly visible to the purchaser	3 0 0	0 17 0

A summons was issued and a penalty imposed under Section 9 of the Act of 1899, on a person for "not having his name and address conspicuously inscribed on the vehicle."

Contagious Diseases (Animals) Act, 1886.

The Milkhouses.—The regulation of dairies, cowsheds, and milk-shops, and the supervision of milk-sellers, has had systematic attention for a number of years. Special care is taken that the ventilation, lighting, cleansing, draining and water supply of premises used for milk-trade are thoroughly efficient. The register of milk-sellers is revised week by week. The total number of milk-shops is 201, in addition there are 12 cowsheds, and 53 farmers resident outside the Borough, registered to purvey milk inside the Borough.

Twice every year notice is sent to all the milk-sellers requiring that the walls and ceilings of every room in the occupation of Registered Milk-sellers, used for storage or sale of milk, shall be lime-washed, that is to say, in March and September; but if the walls are painted, then they must be washed and thoroughly cleansed twice every year, in March and September.

One person was summoned and a penalty imposed, for selling milk without being registered as a milk dealer.

Meteorological Results.

The noteworthy features of the meteorology of the year are given in the following tabular statement, which has kindly been prepared by W. E. Plummer, Esq., M.A., F.R.A.S., Director of the Observatory, Bidston Hill, Birkenhead, who also furnishes particulars weekly of the daily observations taken under his directions, from which Table IV. in the appendix is compiled.

1909.	Mean Temperature	Mean Barometer	Rainfall. 1 ft. above ground
	o°	Inches	Inches
January	39.1	30.103	1.414
February	38.4	30.133	0.514
March	39.3	29.506	2.402
April	48.3	29.923	2.096
May	52.4	30.079	1.242
June	53.6	29.985	2.538
July	58.5	29.886	3.122
August	59.1	29.979	2.450
September	54.3	30.040	2.430
October	51.0	29.720	3.367
November	42.7	30.023	0.884
December	40.5	29.610	5.988

Mean Barometer for the whole year = 29.915 inches.

Mean Barometer for the past 40 years = 29.922 inches.

Total amount of rainfall at Bidston, 1909 = 28.447 inches.

Number of wet days in year = 202 days.

Average rainfall for 40 years = 28.556 inches

Barometer.—The mean barometer of 1909 (29.920 inches) was lower than last year and 0.002 lower than the average mean for the last 40 years. Detailed particulars respecting the barometric pressure, temperature, rainfall, wind, humidity of the air and the proportion of cloud to clear sky, etc., will be found in Table IV.

Rainfall.—The rainfall of 1909, 28.447 inches, was higher than last year and about the average of the previous forty years.

Year	Total Amount Rainfall in inches at Bidston	No. of wet days in the year	Year.	Total Amount Rainfall in inches at Bidston	No. of wet days in the year
1886....	34.620	217	1898....	25.719	183
1887....	20.821	161	1899....	27.807	186
1888....	24.090	210	1900....	32.054	208
1889....	27.373	199	1901....	25.192	190
1890....	26.820	199	1902....	25.566	200
1891....	31.643	194	1903....	34.418	224
1892....	33.032	211	1904....	25.175	196
1893....	24.537	181	1905....	24.011	192
1894....	27.912	202	1906....	28.076	196
1895....	26.265	172	1907....	26.568	209
1896....	26.633	196	1908....	28.902	190
1897....	28.580	189	1909....	28.447	202

Average rainfall for 40 years = 28.556 inches.

The figures for the years 1867 to 1899 are given in my Report for 1904.

For the relative mortality of different portions of the year, see under Births and Deaths.

PREVALENCE OF ZYMOTIC SICKNESS DURING 1909.

Notification of Cases of Dangerous Infectious Diseases.

—The Infectious Disease Notification Act, 1889, requires householders and medical men in attendance to notify cases of dangerous infectious diseases to the Sanitary Authority, and gives facilities for supplementing the statement of the mortality from zymotic diseases, month by month, as they were reported. The diseases which require to be notified to the Authority as “dangerous infectious diseases” are:—

Small-pox.	Fever	{	Typhus.
Scarlatina.			Typhoid.
Diphtheria.			Continued
Membranous Croup.			Relapsing
Erysipelas.			Puerperal Septicæmia.
	Cholera.		

The cases notified appear in the following return, showing that 915 cases were notified during the year, being 138 more than the number notified last year.

The notification of Measles was discontinued after 7th August, 1907.

The following Table gives the number of Notifications of Dangerous Infectious Diseases in each month of the year.

1909.	Smallpox	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Puerperal Fever	Fever	Cholera	Mem. Croup	Erysipelas	TOTAL
January	1	80	25	—	4	2	1	—	2	9	124
February	—	50	11	—	2	—	—	—	4	3	70
March	—	57	14	—	2	—	—	—	2	6	83
April	—	51	6	—	3	2	—	—	—	6	64
May	—	42	13	—	2	4	1	—	—	6	68
June	—	80	7	—	4	—	—	—	—	2	93
July	—	47	9	—	1	—	—	—	—	3	60
August	—	31	3	—	4	—	—	—	—	3	41
September	—	45	11	—	9	1	—	—	1	5	72
October	—	54	14	—	3	1	—	—	2	6	80
November	—	47	8	1	6	1	—	—	3	7	73
December	—	60	11	—	6	—	—	—	3	7	87
	1	644	132	1	46	11	2	—	17	61	915

And the next Table the number of cases of the different diseases notified in each year during the last twelve years.

The statement is as follows :—

Year.	Smallpox	Measles	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Fever	Mem. Croup	Cholera	Erysipelas	TOTAL
1896	—	2166	636	115	—	149	6	1	—	—	3043
1897	—	1141	630	80	2	152	17	1	—	—	2028
1898	1	589	643	190	1	243	17	3	—	—	1696
1899	—	2461	205	86	1	275	11	6	—	—	3068
1900	—	316	203	48	—	163	26	8	—	—	774
1901	—	2179	266	75	—	207	18	7	—	—	2791
1902	29	1356	407	114	1	327	20	16	—	35	2305
1903	88	420	658	101	—	79	14	12	—	78	1450
1904	40	2212	627	97	1	103	21	17	—	70	3188
1905	2	979	874	138	—	63	8	15	—	64	2143
1906	2	920	869	178	—	118	11	21	—	95	2214
1907	1	2287	238	212	—	73	7	15	—	73	2953
1908	5	—	454	140	1	62	10	11	—	94	777
1909	1	—	644	132	1	46	13	17	—	61	915

The figures for the years 1882-1905 will be found at page 25 in my report for 1905.

In addition to these there were two cases of cerebo-spinal meningitis and one of German measles notified.

VITAL AND MORTAL STATISTICS FOR THE YEAR.

Area.—The Borough has an area of 3,850 acres, or a little more than six square miles.

Population.—The population as shown by the Census taken in England and Wales on April 1st, 1901, was 110,915, being 11,058 in excess of the number enumerated in the census taken on April 6th, 1891.

The estimated number of persons living at Midsummer 1909 was 120,955, and on this estimate I have based the following statistics.

The total number of houses in the Borough at the time of the 1901 census was 21,172, and the number built since that time up to 31st December 1909 was 5,355, and the number demolished in the same period was 388, a net gain of 4,967, giving a total for the Borough at end of the year 26,139. But there are a number of houses in different parts of the town which, though not demolished, have been converted from dwelling houses into factories, stores, or other workshops; of these I have no return and can only guess at their number, which I estimate will be between 300 and 400.

I am indebted to the Chief Constable (W. S. Davies, Esq.) for the following Return of uninhabited property in the Borough of Birkenhead for the half year ending 31st December, 1909 :—

District	Half-year ended 31st Dec., 1909.					Half-year ended 30th June, 1909.				
	Private Houses	Shops	Cot-tages.	Dock Cot-tages.	Total.	Private Houses.	Shops	Cot-tages.	Dock Cot-tages.	Total.
Birkenhead . . .	92	122	592	—	806	73	123	688	—	884
Cloughton and Oxtou	78	10	79	76	243	73	12	117	92	294
Tranmere and Bebington . .	174	41	302	—	517	168	47	307	—	522
Total*	344	173	973	76	1566	314	182	1112	92	1700

Total uninhabited and unoccupied property, 31st December, 1908	1710, decrease 144
The approximate estimate of houses of all descriptions within the Borough is.....	25514
The approximate estimate of schoolrooms, warehouses, etc. is	1454

The number of new houses built during the eleven years, 1891-1901, was 2911, for which information I am indebted to the Borough Surveyor. The number of houses demolished during the same period being 493.

**Number of New Houses erected in the Borough since
last Census.**

April 1st to December 31st, 1901.....	311
January 1st to December 31st, 1902.....	646
" " 1903.....	897
" " 1904.....	643
" " 1905.....	848
" " 1906.....	472
" " 1907.....	685
" " 1908.....	560
" " 1909.....	293
	Total..... 5355

The number of houses demolished since taking of Census to end of 1908 was 311, and 77 were taken down during 1909, a total of 388.

Taking the total number of houses in the Borough as given above, viz., 26,139, and allowing 2,000 as uninhabited (there were 1,428 uninhabited at the time of the Census), then we have 24,139 inhabited houses in the Borough on the 31st December, 1909—if we multiply this by 5, about the average number of persons per house, then the population of the Borough at the end of the year would be 120,695, or about the number estimated by the usual method of arithmetical progression employed by the Registrar General.

In my last year's report I gave a table showing the revised estimated population of the Borough for the ten years 1901-1910, provided the rate of increase during the decade 1891-1901 be maintained (see p. 25).

Births and Deaths in Birkenhead.—During the year 1909 the returns of the local registrars recorded 3,737 births and 1,930 deaths in the Borough of Birkenhead. The natural increase in the population in 1909 was therefore 1,807. Of the births 1,909 were males and 1,828 were females; of the deaths 982 were males and 948 were females.

Further particulars as to the births and deaths in the Borough registered in each quarter of the year, and in each township are given in the subjoined table. Those occurring in Union Workhouse are entered separately.

BIRTHS.	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1909		Total.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	304	250	258	262	276	254	244	228	1082	994	2076
Cloughton	25	32	21	25	20	25	28	25	94	107	201
Tranmere	161	163	174	161	168	160	152	164	655	648	1303
Oxton	9	9	4	7	7	8	4	8	24	32	56
Bebington	5	5	9	3	9	10	5	4	28	22	50
Union Hospital ...	9	7	7	8	6	5	4	5	26	25	51
Birkenhead Borough	513	466	473	466	486	462	437	434	1909	1828	3737

DEATHS.	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1909		Total.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	111	126	126	123	113	113	148	146	498	508	1006
Cloughton	7	10	6	9	7	7	12	11	32	37	69
Tranmere	80	71	67	64	60	46	65	73	272	254	526
Oxton	2	6	5	10	2	2	3	7	12	25	37
Bebington	4	9	4	4	5	2	5	4	18	19	37
Union Hospital ...	51	36	41	22	30	15	28	32	150	105	255
Birkenhead Borough	255	258	249	232	217	185	261	273	982	948	1930

Table showing Natural and Estimated Increase of Population, &c.,
1900 to 1909.

Year.	Census Population.	Estimated Population at Midsummer.	No. of Births.	No. of Deaths.	Natural Increase of Births over Deaths.	Estimated Increase of Population from Census Returns.	Balance representing Emigration from the Borough.	Birth Rate per 1000 per annum.	Death Rate per 1000 per annum.	Infantile Mortality under 1 year to 1000 Births.	Illegitimate		Proportion of Deaths of Illegi- mates to total Deaths under 1 yr.	Zymotic Death Rate.	Diarrhoea Death Rate.
											Births	Deaths under 1 year.			
1900	109756	110042	3428	1965	1463	1148	315	31.07	17.8	158	125	42	10.5	1.80	0.72
1901	110915	111204	3230	2061	1169	1162	7	29.04	18.5	179	121	60	9.6	3.10	1.45
1902	112086	112382	3646	2021	1625	1178	447	32.52	17.7	151	123	51	9.26	2.40	0.56
1903	113270	113569	3516	1937	1579	1187	392	31.02	17.0	155	112	48	11.4	2.20	1.13
1904	114465	114767	3805	2282	1523	1198	325	33.14	19.87	180	133	43	6.25	4.05	1.62
1905	115674	115979	3707	1833	1874	1212	662	32.0	15.4	129	102	43	8.93	2.05	0.90
1906	116895	117203	3733	2078	1655	1224	431	31.8	17.72	151	115	38	14.86	3.16	1.70
1907	118129	118441	3727	1829	1898	1238	560	31.46	15.44	110	130	31	7.56	2.13	0.95
1908	119377	119692	3775	1929	1846	1251	595	31.53	16.11	136	108	27	5.23	2.23	0.78
1909	120637	120955	3737	1930	1807	1263	544	30.90	15.95	122	128	25	5.57	1.48	0.34

The figures for 1881 to 1889 were given in my report for 1907.

The next table shews the estimated population of Birkenhead, the density of population and the number of births, deaths and zymotic deaths, and also the birth and death rates deducible from these figures for the years 1900 to 1909. These figures for the years 1878 to 1899 were given in my report for the latter year.

Year	Estimated Population at Midsummer	Persons per acre.	BIRTHS.		DEATHS.		ZYMOTIC DEATHS.	
			Number of Births.	Birth rate per 1000 per annum	Number of Deaths	Death rate per 1000 per annum	Number of Deaths	Death rate per 1000 per annum
1900	110042	28.58	3428	31.16	1965	17.8	209	1.8
1901	111204	28.88	3230	29.04	2061	18.5	353	3.1
1902	112382	29.18	3646	32.44	1989	17.7	270	2.4
1903	113569	29.49	3516	30.87	1937	17.0	260	2.2
1904	114767	29.80	3805	33.15	2282	19.8	465	4.0
1905	115979	30.12	3707	31.96	1833	15.8	239	2.0
1906	117203	30.30	3733	31.80	2078	17.7	371	3.1
1907	118441	30.70	3727	31.46	1829	15.4	253	2.1
1908	119692	31.08	3775	31.53	1929	16.1	267	2.2
1909	120955	31.41	3737	30.89	1930	15.9	180	1.4

The proportion of Deaths of Infants under One year to the Births registered.—The proportion in Birkenhead Borough in 1909 was equal to 122 per 1000. In the seventy-five great cities and boroughs in England and Wales, amongst which Birkenhead is classed, the average proportion of deaths under one year to births registered in 1909 was 122. It varied greatly in the different towns, ranging from 80 in Croydon to 156 in Burnley. In Liverpool it was 144, Wallasey 83, Bootle 122 and Stockport 132.

**Infantile Mortality during 10 years,
1900 to 1909.**

Year.	No. of Births	Total Deaths of Infants under 1 year.	Deaths from Diarrhoea under 1 year.	Total Deaths of Infants per 100 Births.	Deaths of Infants from Diarrhoea per 1000 Births.
1900	3428	543	69	158	20.1
1901	3230	580	125	179	38.6
1902	3646	552	50	151	13.7
1903	3516	548	104	155	29.5
1904	3805	688	136	180	35.7
1905	3707	481	88	129	23.7
1906	3733	565	152	151	40.7
1907	3727	410	30	110	8.0
1908	3775	516	67	136	17.7
1909	3737	458	33	122	8.8

**Causes of Infantile Mortality during the past 10 years
(1900 to 1909).**

(DEATHS UNDER ONE YEAR).

Cause of Death.	YEARS.									
	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
Chicken-pox	—	—	—	2	—	1	—	—	1	2
Measles	3	8	11	4	30	5	1	42	11	7
Scarlet Fever	1	—	2	1	—	1	—	1	—	1
Diphtheria & Membranous Cr'p	1	1	2	—	—	3	4	—	1	1
Whooping Cough	9	23	33	20	42	—	33	7	27	6
Diarrhoea	69	125	50	104	136	88	152	30	67	33
Enteritis	51	55	25	44	23	19	24	8	15	24
Gastritis	12	7	10	7	14	13	7	7	12	9
Premature Birth	62	45	51	53	77	71	68	61	81	58
Congenital Defects	8	—	3	2	3	10	13	12	17	15
Teething	10	4	12	9	12	3	5	6	2	4
Inanition and Privation	7	2	12	7	16	9	5	7	11	21
Debility	102	109	90	112	91	63	83	78	64	82
Tabes Mesenterica	13	7	8	5	7	11	9	10	11	15
Other Tubercular Diseases	13	1	19	7	12	12	9	9	12	12
Erysipelas	1	—	1	2	2	1	1	—	—	2
Syphilis	6	2	4	4	3	—	4	1	3	2
Rickets	2	—	1	1	—	2	1	2	—	2
Meningitis (not tuberculous) ..	10	17	17	14	9	12	11	7	11	9
Convulsions	39	41	29	37	31	24	23	18	15	13
Bronchitis	31	46	52	29	49	24	16	25	47	36
Pneumonia	41	26	57	31	59	47	45	35	51	55
Heart Disease	6	16	14	7	9	7	2	2	7	9
Suffocation, overlaying, etc. ..	12	4	7	3	8	16	5	9	16	10
Other Causes	34	41	42	43	55	39	44	33	34	30
Total Deaths per annum ..	543	580	552	548	688	481	565	410	516	458
No. of Births per annum ..	3428	3230	3646	3516	3805	3707	3733	3727	3775	3737
Death Rate per 1000 per annum per 10.0 Births	158	179	151	155	180	129	151	110	136	122

Average Death Rate per 1000 per annum, per 1000 Births for the 10 years 1900 to 1909,
equals 147.

Birth-rates and Death-rates in thirty-six great towns in England.—In order that the birth-rates and death-rates of the Borough of Birkenhead in 1909 may be compared with the corresponding rates of the most populous cities and boroughs in England, the following table has been compiled from the Registrar General's Quarterly Returns of Births, Deaths, and causes of death in London and the other great towns, 1909. The table gives the *estimated* population of the thirty-six large towns at Midsummer 1909. The birth-rates and death-rates are for the fifty-two weeks ending December 31st. For comparative purposes these figures are interesting as they are all calculated on the same basis. They are of course unrevised returns. (*See Table on page 36*).

Tabular Statements.—In the appendix to this Report are tabular statements of the year's mortality within the Borough, classified according to the diseases, ages, and localities, a weekly register of deaths and of meteorological results, together with a return of deaths in the Birkenhead Union Hospital and Workhouse, etc.

Table I. shows the deaths registered in the whole Borough during 1909, arranged with reference to the age at which death occurred in each case. They are disposed in four sub-tables—the deaths in the townships of Birkenhead and Claughton in the first, deaths in Tranmere (exclusive of the Union premises) and Oxtun in the second, the deaths in the incorporated portion of Higher Bebington in the third, and the deaths in the Union Hospital and Workhouse in the fourth. The deaths of infants are entered up in three columns—those under one year, those of one year and under two years, and those turned two years and under five. Then follow the deaths of children and young persons, those turned five years and under twenty; and of adults those turned twenty and under forty, and those turned forty and under sixty. In the last two columns are the deaths of old people, those turned sixty and under eighty, and those of eighty and upwards. Reference to this table will show that, of the gross local mortality for 1909, the deaths of infants under one year of age accounted for 458, those over one year but under five years of age 211, children and young persons 125, adults 538, old people sixty years of age and upwards 598.

The relative proportion of deaths in 1909 among the infants, children and young persons, adults and old people, to the whole number of deaths, in certain sub-divisions of the Borough, in the premises controlled by the Guardians

Thirty-six Great Towns—Population, Births, Deaths, &c., for the Year 1909.

As estimated from the Registrar General's weekly returns and unrevised (for comparison only).

Cities and Boroughs.	Estimated Population at Midsummer 1909	Births.	Deaths.	Annual Rate per 1000 Living.			Deaths from								Deaths of Children under one year of age to 1000 Births	Rate per cent. of Uncertified Deaths.
				Births.	Deaths.	Principal Zymotic Diseases.	Small-Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-Cough.	Fever.	Diarrhoeal Diseases.			
														Principal Zymotic Diseases.		
75 Provincial Towns.....	11611343	304493	172742	14.9	14.5	16822	12	5486	1443	1804	2626	805	4646	122	1.1	
London.....	4833938	116559	67632	14.0	1.31	6285	—	2324	383	605	1246	148	1577	108	0.1	
Croydon.....	161078	3915	1880	11.7	0.67	107	—	21	10	24	30	3	19	80	0.1	
West Ham.....	321767	8744	4504	14.0	2.24	716	—	220	53	41	186	8	208	124	0.1	
Leyton.....	129614	3116	1325	10.3	0.93	120	—	30	9	27	31	4	19	82	0.0	
Brighton.....	130926	2675	1994	15.3	0.65	84	—	1	8	19	22	6	28	96	0.2	
Portsmouth.....	214726	5820	3045	14.2	1.42	302	—	104	19	66	27	32	54	96	0.6	
Southampton.....	124667	2938	1660	13.4	1.05	130	—	—	5	19	42	12	52	106	—	
Norwich.....	124136	3004	1717	13.9	1.54	191	—	84	9	18	20	9	51	119	0.8	
Plymouth.....	124180	2772	1799	14.5	1.20	150	—	53	6	19	24	9	39	131	—	
Bristol.....	377642	8503	4785	12.7	0.87	330	8	89	13	54	54	12	100	100	0.1	
Wolverhampton.....	104633	2484	1666	16.0	2.30	239	—	150	7	11	38	3	30	138	0.5	
Birmingham.....	563629	14977	8667	26.6	2.03	1135	—	522	104	88	147	22	252	134	3.3	
Leicester.....	244255	5343	3139	12.9	1.22	299	—	100	22	14	52	6	105	127	0.6	
Nottingham.....	263443	6745	4277	16.3	1.67	440	—	143	10	26	59	20	182	150	0.5	
Derby.....	129411	3213	1724	13.4	1.26	160	—	46	4	33	42	2	33	123	—	
Stockport.....	103706	2729	1702	16.5	1.40	144	—	38	14	22	20	5	45	132	0.2	
BIRKENHEAD.....	121123	3732	1926	30.9	1.17	142	—	40	16	18	15	5	48	122	0.4	
Wallasey.....	71004	1824	905	25.8	0.92	65	—	14	20	0	—	3	19	83	0.9	
Liverpool.....	766357	23586	14436	31.1	2.11	1602	—	465	210	115	226	55	531	144	2.7	
Boothle.....	69393	2115	1172	30.6	2.26	157	—	73	15	9	3	3	54	122	3.5	
St. Helens.....	95161	3050	1765	32.1	3.66	346	—	192	33	11	66	13	31	150	3.5	
Bolton.....	187824	4634	2832	24.7	1.13	212	—	43	23	17	32	33	62	128	0.6	
Manchester.....	655435	18197	11710	27.8	1.81	1189	—	402	173	113	127	92	282	134	0.8	
Salford.....	241950	6724	4342	27.9	2.45	594	—	194	83	106	47	43	121	141	0.5	
Oldham.....	143301	3912	2707	27.4	1.09	191	—	47	16	14	16	12	52	119	0.1	
Burnley.....	106267	2660	1704	25.1	1.30	137	—	21	16	15	16	8	61	156	1.1	
Blackburn.....	136959	3128	2222	22.9	1.49	203	—	42	52	20	23	18	48	126	1.4	
Preston.....	118519	3034	1871	25.7	1.30	154	—	19	8	11	66	11	39	136	2.8	
Huddersfield.....	94739	2318	1540	24.5	1.04	98	—	19	9	20	15	10	25	95	0.5	
Bradford.....	293983	5507	4251	18.8	0.68	202	—	24	24	51	45	15	46	116	0.3	
Leeds.....	484012	11004	6784	22.8	1.41	390	—	78	11	64	83	43	111	122	0.1	
Sheffield.....	470958	13236	7077	28.2	1.78	842	—	415	42	38	54	33	260	118	1.4	
Hull.....	275552	8077	4106	29.4	1.38	378	2	86	10	62	49	12	151	114	0.8	
Sunderland.....	159378	4659	2693	29.3	1.98	315	—	164	16	32	37	14	52	135	2.5	
Newcastle-on-Tyne.....	281584	7677	4166	27.3	1.22	344	—	113	32	54	72	17	55	110	0.1	
Cardiff.....	195303	5025	2558	25.8	0.85	165	1	22	7	14	51	7	63	103	0.1	

Analysis of the Vital Statistics of the Metropolitan Boroughs and of the City of London after Distribution of Deaths occurring in Public Institutions during 1909. (From the British Medical Journal).

BOROUGH.	Estimated Population middle of 1909.	Births.	Deaths.	Annual Rate per 1000 Living.			Deaths from Principal Infectious Diseases.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Ill-defined Pyrexia.	Diarrhoea.	Phtisis.	Deaths of Children Under 1 Year of Age to 1000 Births.
				Births.	Deaths.	Principal Infectious Diseases.												
COUNTY OF LONDON	4833938	117547	67632	24.4	14.0	1.31	6285	2	2324	383	605	1246		146	2	1577	6337	107
Paddington	151955	2895	1956	19.1	12.9	0.91	136		36	14	10	36		4		36	164	108
Kensington	183683	3188	2440	17.4	13.3	1.00	183		58	9	19	40		8		49	176	119
Hammersmith	125704	2888	1791	23.0	14.3	1.67	210		80	11	23	47		5		44	137	125
Fulham	176406	4199	2113	23.9	12.0	1.57	276		74	10	40	49		4		99	205	111
Chelsea	75249	1310	1084	17.5	14.4	1.00	75		24	6	15	13		2		15	109	114
City of Westminster ..	168883	2518	2212	15.0	13.1	0.63	104	1	25	18	18	19		7		16	225	103
St. Marylebone	126027	4041	1836	32.1	14.6	0.83	105		33	8	9	25		1		29	170	64
Hampstead	94185	1282	839	13.6	8.9	0.52	50		14	4	5	18		5		4	57	77
St. Pancras	237422	5248	3510	22.2	14.8	0.97	230		105	17	27	30		6		45	382	109
Islington	351202	7993	4913	22.8	14.0	1.22	423		199	26	30	86		13		69	430	105
Stoke Newington	54423	995	612	18.3	11.3	0.63	34		10	3	2	14				4	45	82
Hackney	237601	5588	2988	23.6	12.6	0.93	220		57	10	19	51		6		77	289	98
Holborn	53802	1438	836	26.8	15.6	0.85	45		14	3	3	15		1		9	110	70
Finsbury	95289	3400	1829	35.8	19.2	2.36	224		85	11	14	51		3		60	211	108
City of London	18193	240	368	13.2	20.3	0.72	11		6			4				2	39	117
Shoreditch	114802	3492	2178	30.5	19.0	2.87	328		130	9	22	72		6		89	200	146
Bethnal Green	131316	3999	2201	30.5	16.8	1.99	260		79	25	17	40		4		95	202	134
Stepney	312525	9828	4759	31.5	15.3	1.68	526	1	236	26	51	69		6		137	521	115
Poplar	171965	5027	2787	29.3	16.3	2.37	405		156	23	20	84		13		109	221	133
Southwark	211125	5720	3528	27.2	16.8	1.67	350		127	14	33	57		6		113	377	124
Bermondsey	127569	4048	2388	31.8	18.8	2.74	348		200	15	9	55		2		67	227	140
Lambeth	324188	8444	4544	26.1	14.1	1.19	387		104	27	58	85		9		103	455	97
Battersea	186036	4253	2416	22.9	13.0	1.29	239		90	8	22	63		7		49	227	112
Wandsworth	297646	6936	3524	23.4	11.9	0.96	265		111	14	27	69		6		58	275	87
Camberwell	283022	6550	3776	23.2	13.4	1.08	306		105	17	43	52		5		84	337	102
Deptford	118583	3047	1611	25.8	13.6	1.51	178		67	12	15	47		6		31	148	104
Lewisham	111014	2492	1350	22.5	12.2	1.03	114		38	9	7	20		4		36	110	100
Lewisham	160749	3507	1656	21.9	10.3	0.58	93		6	15	21	20		2		29	128	75
Woolwich	133374	2981	1587	22.4	11.9	1.02	137		55	19	26	15		3		19	160	81

of the Poor, and in the entire incorporated area, is readily shown in tabular form, thus:—

Percentage of Deaths at certain ages to Total Deaths.	Under 1 Year	Age between														85 years and upwards.
		1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65-75	75-85	
Birkenhead and Claughton	15·65	4·24	2·07	0·98	0·82	1·70	1·34	1·03	1·08	2·79	3·47	3·73	5·38	6·78	3·88	0·67
Tranmere & Oxton	7·25	1·29	0·67	0·46	0·20	0·93	0·20	0·67	0·31	2·07	1·70	2·33	3·16	4·30	2·84	0·72
Bebington.....	0·15	0·05	..	..	..	..	0·05	0·15	0·20	..	0·10	..	0·36	0·46	0·25	0·10
Union Hospital and Workhouse ..	0·67	0·05	0·05	..	..	0·10	0·15	0·10	0·36	1·19	1·76	2·02	2·27	2·69	1·50	0·25
Birkenhead Borough	23·73	5·64	2·79	1·45	1·03	2·74	1·76	1·96	1·96	6·06	7·04	8·08	11·19	14·24	8·49	1·76

In this respect the local mortality compares favourably with the mortality in most great cities and boroughs. The percentages taken out for Bebington have little significance, the number of deaths being so small.

Table II. is the weekly register of deaths in the Borough of Birkenhead for 1909. The deaths are entered as in Table I., into four sub-tables, representing Birkenhead and Claughton, Tranmere and Oxton, Bebington, and the Union Hospital and Workhouse. Table III. is a summary of the weekly register of deaths. Table IV. is a Weekly Condensed Register of Meteorological Results. Table V. is a street register of deaths.

The Classification of Death Causes.—The causes of death, as they appear in Table I. and II. in the appendix, are systematically classified according to the principles laid down by the late Dr. W. Farr, the nosology being that adopted by the Registrar-General until within the last few years, which experience has shown to be well suited for statistical purposes. The death causes are arranged under classes and orders, the latter corresponding to the families of Natural History. Genera, or what in diseases would be varieties, are not distinguished. All death causes are thus conveniently classified under 116 heads some of which, however, include diseases very distinct from one another.

At the beginning of Table I. are the totals of deaths from all causes, and on the next line the totals of deaths from specified causes. The deaths which it is necessary to refer to unspecified causes are not only those ascribed in legal phraseology, to "visitation of God" or "natural causes," but those which, with almost equal vagueness, are classified as due to "tumour," "coma," etc. The deaths from specified causes are then divided into five classes. Class I. (the zymotic) embraces all diseases, either epidemic, endemic, or contagious, which are induced by some specific body, or by want of, or by the bad quality of food. The diseases coming under Class II. (constitutional or cachectic) appear to be due to a bad habit of body, and possibly may sometimes be hereditary. Class III. takes in diseases the effects of which are manifest in disturbing or obliterating the function of particular organs or systems. Class IV. includes the conditions tending to produce death which are the incidental results of the formative, reproductive and nutritive processes. Class V. groups together all deaths which are the evident and direct result of physical or chemical forces.

Deaths from Zymotic Diseases.—The deaths from zymotic diseases include 86 by what have been termed the chief zymotics (certain diseases belonging to the miasmatic order), viz., measles 41, scarlatina 17, diphtheria 14, membranous croup, 4, fevers 5, and puerperal septicæmia 5. The remaining 94 were entered to what have been called minor zymotics (diseases less prevalent, less fatal, or less obviously zymotic in character), viz., whooping cough 15, erysipelas 7, influenza 22, diarrhœa 42, syphilis 4, and other zymotic diseases 4.

Relative Fatality of Chief Zymotic Diseases.

The following table shows at a glance the relative fatality of the chief zymotic diseases for the year on the corrected estimate of population.

Year.	Deaths from Zymotic Diseases.								Death rate per 1000 living.							
	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	Diarrhoea	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	Diarrhoea
1900	—	7	3	6	28	—	16	80	—	0·07	0·03	0·06	0·25	—	0·14	0·72
1901	—	45	8	24	57	—	24	162	—	0·40	0·07	0·21	0·51	—	0·21	1·45
1902	12	36	20	23	60	—	43	63	0·01	0·32	0·17	0·20	0·53	—	0·38	0·56
1903	6	9	21	9	39	—	15	129	0·05	0·07	0·18	0·07	0·34	—	0·13	1·13
1904	1	98	20	20	83	1	13	187	0·008	0·85	0·17	0·17	0·72	0·008	0·11	1·6
1905	—	32	28	22	1	—	6	115	—	0·27	0·24	0·18	0·001	—	0·005	0·99
1906	—	8	31	24	58	—	17	200	—	0·06	0·26	0·20	0·19	—	0·14	1·70
1907	—	129	10	21	16	—	11	42	—	1·08	0·08	0·17	0·13	—	0·09	0·35
1908	1	44	6	8	6	—	9	94	0·008	0·36	0·05	0·06	0·50	—	0·07	0·78
1909	—	41	17	14	15	—	5	42	—	0·33	0·13	0·11	0·12	—	0·04	0·34

Deaths from Phthisis in Birkenhead.

Year.	Population	No. of Deaths	Death Rate.	Year	Population	No. of Deaths	Death Rate.
1891	100120	195	1.94	1900	110042	159	1.35
1892	101180	155	1.54	1901	111204	148	1.33
1893	102250	167	1.63	1902	112382	197	1.75
1894	103325	191	1.84	1903	113569	155	1.36
1895	104412	183	1.75	1904	114767	174	1.51
1896	105416	142	1.34	1905	115979	178	1.53
1897	106629	172	1.61	1906	117203	162	1.38
1898	107756	139	1.19	1907	118441	121	1.02
1899	108894	171	1.57	1908	119692	151	1.26
				1909	120955	137	1.13

BIRKENHEAD.—Tuberculosis of the Lung (including Phthisis) and other forms of Tuberculosis.

Year.	Population at Midsummer.	Number of Deaths.										
		Tuberculosis of the Lung. (including Phthisis.)					Other Forms of Tuberculosis.					
		Total.		Deaths	Death Rate	Males (all ages)	Females (all ages)	Rate per 1000	Males (all ages)	Females (all ages)	Rate per 1000	Childr'n (under 5)	Rate per 1000
1900	110042	159	1.35	84	75	0.76	25	24	0.22	38	0.21	0.34
1901	111204	148	1.33	82	66	0.73	8	11	0.07	18	0.09	0.16
1902	112382	197	1.75	109	88	0.96	12	7	0.10	17	0.06	0.15
1903	113569	155	1.36	84	71	0.74	6	4	0.05	7	0.03	0.06
1904	114767	174	1.51	93	81	0.81	6	5	0.05	10	0.04	0.08
1905	115979	178	1.53	100	78	0.86	16	2	0.13	16	0.01	0.13
1906	117203	162	1.38	99	63	0.84	26	19	0.22	25	0.16	0.21
1907	118441	121	1.02	66	55	0.55	36	26	0.30	37	0.21	0.31
1908	119692	151	1.26	89	62	0.74	37	28	0.30	40	0.23	0.33
1909	120955	137	1.13	81	56	0.66	41	21	0.33	49	0.17	0.40
Totals	1154234	1582	1.37	887	695	0.76	213	147	0.18	257	0.12	0.22

Inquests.—The number of inquests held during 1909 was 175, thus 9 per cent. of the sum of the deaths in the Borough formed the subject of official enquiries. Out of the 175 inquests held, 4 were upon the bodies of infants whose deaths were due to being overlain.

Deaths not Certified.—Not all the death causes which are classified represent diseases or symptoms observed and certified by medical men in attendance during the last illness, or verdicts following official investigation. A significant proportion of the death causes are entered in the register on the doubtful testimony of deceased person's relatives or friends, or fellow lodgers. The registrars have, therefore, been required to mark in the returns furnished, every death not certified by a registered practitioner, or made the subject of a coroner's inquest. In 1909, out of the 1930 deaths registered, 8 were marked "not certified," that is 0.41 per cent. The causes of the 8 deaths were entered in accordance with the statements of persons giving information to the registrars as follows:—

Premature Birth	2
Heart Disease	1
Asphyxia	1
Anæmia	1
Apoplexy	1
Old Age	1
Bronchitis	1

though how such conclusions were arrived at does not appear, In my opinion such deaths ought not to be registered without a Coroner's certificate.

The proportion of uncertified deaths to the sum of the deaths was as already stated, 0.41 per cent. as compared with 0.77 per cent. in 1908.

Deaths classified according to Localities.—Tables I., II., III., and IV., in the appendix, having been fully discussed,

are followed by Table V., in which the deaths registered during 1909 are classified according to the localities in which they occurred. Opposite each street or place is the number of deaths from all causes and from zymotic diseases, registered as occurring in that street or place during the year. As it was felt that particulars of the number of deaths from all causes and zymotic diseases in each ward would prove interesting, and as the Street Register does not afford this information, the Table here subjoined has been drawn up.

1909	Estimated Population at Midsummer, 1909	Deaths from All Causes		Deaths from Zymotic Diseases		Death rate per annum.	Infantile Death Rates per 1000 Living.
		M.	F.	M.	F.		
Cleveland Ward.....	21837	175	151	14	18	14·92	3·9
Cloughton „	4275	32	37	1	4	16·14	3·2
Grange „	29022	202	237	22	29	15·12	3·5
Argyle „	16466	121	120	12	17	14·63	4·0
Oxton „	4993	12	25	—	3	7·41	0·4
Egerton „	14275	71	78	11	9	10·43	1·9
Clifton „	19822	137	133	11	11	13·62	3·1
Mersey „	7025	64	43	6	2	15·23	4·2
Bebington „	3240	18	19	1	2	11·41	0·9
Birkenhead Borough including deaths in Union premises	120955	982	948	83	97	15·95	3·7

Illegitimacy.—Statistics relating to illegitimacy are important, not merely on account of the bearing which such a subject has upon the social life of the community, but also with a view ultimately of showing to some extent the influence which illegitimacy exerts upon the “chances of life” of infants, as it is well known that the death-rate of illegitimate children is considerably greater than that of those born in wedlock. I have thought it desirable, therefore, to continue these statistics in this report, as the subject is one of some interest.

The following table gives the total number of legitimate and illegitimate births, with the rates per 1,000 of births and per 1,000 living, and statistics relative to the deaths of such children under one year of age.

Illegitimate Births and Deaths, 1909.

Registrar's Sub-District	Estimated Population 1909	Births		Illegitimate Births		Total deaths of children under one year of age	Deaths of Illegitimate children under one year of age	Proportion of deaths of Illegimates to total deaths under one year of age.
		Legitimate	Illegitimate	to 1000 living	to 1000 births			
Birkenhead Tranmere, Oxton Claughton and Bebington	67325	2019	57	0·84	27·45	288	17	5·90
	52630	1590	71	1·32	42·74	170	8	4·70
Total	120955	3609	128	1·05	34·25	458	25	5·57

Illegitimacy.

	Births				Total	Deaths of Illegimates under 1 year				Total
	1 Qr.	2 Qr.	3 Qr.	4 Qr.		1 Qr.	2 Qr.	3 Qr.	4 Qr.	
	Birkenhead..	14	15	13		15	57	3	1		9	4	17
Tranmere ...	21	18	18	14	71	1	1	4	2	8
Totals	35	33	31	29	128	4	2	13	6	25

HOUSING OF THE WORKING CLASSES ACT, 1890.

Under the provisions of this Act during the year 1909 I made the following representation under Part II. of the Act respecting the condition of certain houses, which premises were in a very insanitary condition.

The representation was duly considered and approved by the Health Committee who gave instructions for the recommendation to be carried out. The area dealt with is as follows—

16th November, 1909.—No. 32, Ivy Street. As the result of the representation, these premises have been closed for human habitation.

I am, Gentlemen,

Your obedient servant,

R. SYDNEY-MARSDEN,

Medical Officer of Health.

PUBLIC HEALTH DEPARTMENT,
TOWN HALL.

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910
Population	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	1,500,000	1,600,000	1,700,000	1,800,000	1,900,000	2,000,000
Area (sq. miles)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Population Density	10	11	12	13	14	15	16	17	18	19	20

Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Population	2,100,000	2,200,000	2,300,000	2,400,000	2,500,000	2,600,000	2,700,000	2,800,000	2,900,000	3,000,000
Area (sq. miles)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Population Density	21	22	23	24	25	26	27	28	29	30

POPULATION OF THE UNITED STATES
1900-1920

The population of the United States has increased steadily since 1900, reaching over 30,000,000 in 1920. This increase is due to a combination of factors, including a high birth rate, immigration from foreign countries, and a decrease in the death rate. The population density has also increased, as the land area of the United States remains constant while the number of people living on it grows.

The population of the United States in 1900 was approximately 76,000,000. By 1920, it had grown to over 100,000,000. This represents an increase of about 25% in just twenty years. The population density in 1900 was about 10 people per square mile, and by 1920 it had risen to about 20 people per square mile.

THE INFECTIOUS DISEASES HOSPITAL,
TOLLEMACHE ROAD.

Report for the Year 1909.

HOSPITAL VISITING SUB-COMMITTEE.

MR. ALDERMAN E. G. MASON, J.P., Chairman.

MR. ALDERMAN H. L. PEARSON, J.P., M.R.C.S.

MR. ALDERMAN THOMAS SHAW.

MR. COUNCILLOR MICHAEL BYRNE.

MR. COUNCILLOR ARNOLD BLOOM.

MATRON :

MISS EMILY YEOMANS.

There has been no addition to the number of beds in the hospital during the year, nor has there been any change in the number of the Staff.

The total number of patients treated in the hospital during the year (January 1st to December 31st) was 415 ; of these 367 were admitted during the year, and 48 remained in hospital from 1908. Out of those admitted 15 died, giving a death-rate of 4.08 per cent., a very low percentage.

The following table gives a summary of the cases treated in the hospital during the year 1909, along with the results obtained.

DISEASES	M.	F.	Re-covered		Died	
			M.	F.	M.	F.
Typhoid Fever—remaining ..	1	1	1	1	—	—
admitted ..	4	5	3	4	1	1
Scarlatina—remaining	18	28	18	28	—	—
admitted	148	182	144	178	4	4
Diphtheria—admitted	10	14	8	13	2	1
Typhus	—	1	—	1	—	—
Laryngismus Stridulus	1	—	—	—	1	—
Pneumonia	1	1	1	—	—	1
Total.....	183	232	175	225	8	7

During the year considerable alterations and additions have been made to the administration block. The laundry converted from a hand into a steam laundry, and bathrooms added to wards 4 and 5, etc.

The smallpox hospital, containing 44 beds, stands in its own ground, and is provided with a separate administration block, washhouse, mortuary, etc., and is entirely distinct from the other hospital.

The following are the statistics regarding

The Smallpox Hospital, 1909.

Number of Patients.	M.	F.	Died.	
			M.	F.
Admitted 1909	1	0	0	0
Total treated during year....	1	0	0	0

THE E. P. SMITH MEMORIAL CONVALESCENT FUND.
FOR PATIENTS WHO HAVE BEEN TREATED IN THE FEVER
HOSPITAL.

Particulars relating to this fund were given in my Report for 1903.

The following is a list of the initials of the persons who have benefited by the fund during the year 1909.

November M.H.

December E.W.

The fund is now regularly used as far as possible.

APPENDIX.

1.—Vital Statistics of Whole District during 1909 and previous Ten years.

2.—Vital Statistics of Separate Localities in 1909 and previous years.

3.—Causes of and Ages of Death during 1909.

4.—Deaths of Non-Residents in Public Institutions in Birkenhead during 1909, *not included* in Return.

5.—Infantile Mortality during the year 1909.

TABLE I.—Deaths Registered in the County Borough of Birkenhead during the year ending December 31st, 1909, classified according to age.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the year ending December 31st, 1909.

TABLE III.—Weekly Condensed Register of Deaths for 1909.

TABLE IV.—Weekly Condensed Register of Meteorological Results for 1909.

TABLE V.—Street Register of Deaths for 1909.

SUPPLEMENT TO TABLE V.—Return of Deaths in Birkenhead Union Hospital and Workhouse, registered in 1909.

Vital Statistics of Whole District during 1909 and previous Years.

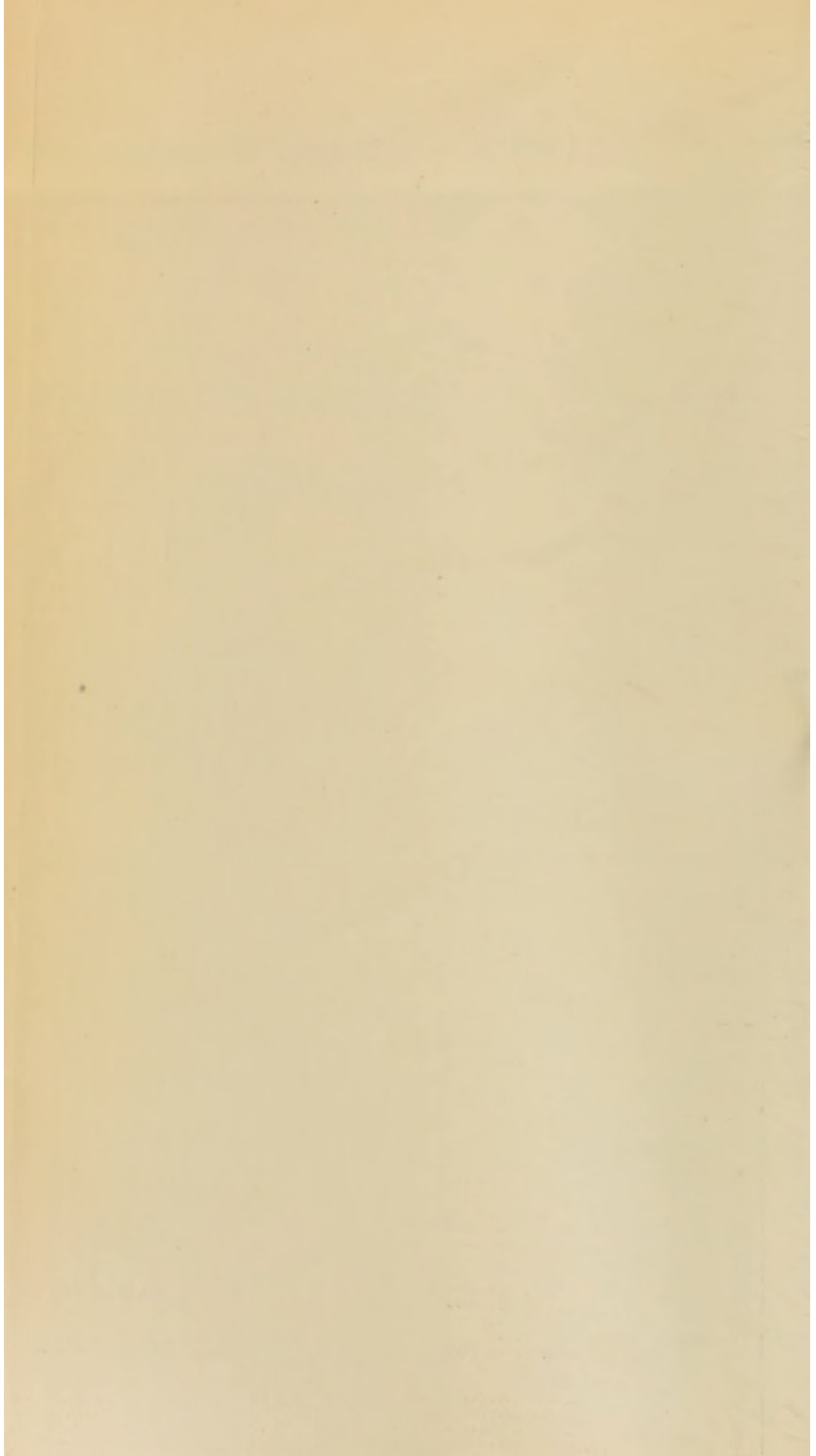
Year.	Population estimated to Middle of each Year.	Births.		Total Deaths Registered in the District.			Total Deaths in Public Institutions in the District.	Deaths of Non-Registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.	
		Number.	Rate.	Under 1 year of age	At all ages.					Number.	Rate.
					Number	Rate per 1,000 Births registered						Number	Rate.
1899	108894	3451	31.6	640	185.4	2214	20.3	—	2202	20.1	
1900	110042	3428	31.1	543	158.4	1965	17.8	—	1955	17.7	
1901	111202	3230	29.0	578	178.0	2061	18.6	—	2053	18.4	
1902	112102	3646	32.5	554	151.0	2021	17.8	—	1989	17.7	
1903	113343	3516	31.0	548	155.8	1937	17.0	35	1940	17.1	
1904	114814	3805	33.1	688	180.8	2282	19.8	24	2244	19.5	
1905	116040	3707	31.9	481	129.0	1833	15.7	31	1811	15.5	
1906	117203	3783	31.8	565	151.3	2078	17.7	30	2050	17.4	
1907	118441	3727	31.4	410	110.0	1829	15.4	31	1812	15.2	
1908	119692	3775	31.5	516	136.6	1929	16.1	36	1915	15.9	
Averages for years 1899-1908	114177	3601	31.4	552	153.6	2014	17.6	—	1997	17.4	
1909	120955	3737	30.8	458	122.5	1946	16.0	35	1930	15.9	

Vital Statistics of separate Localities in 1909 and previous Years.

Year.	BIRKENHEAD. (whole Borough)				BIRKENHEAD SUB-REGISTRATION DISTRICT				TRANMERE				OXTON				CLAUGHTON				BEBINGTON.				UNION WORKHOUSE.			
	Population estimated to middle of each year	Births registered	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages.	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages.	Deaths under 1 year
1899	108894	3451	2214	640	61198	2150	1285	428	36352	1091	589	186	4537	64	39	7	3850	58	41	7	2956	47	37	5	—	41	211	7
1900	110042	3428	1965	543	61521	2105	1067	342	37108	1124	584	170	4559	45	43	4	3891	72	47	9	2963	41	25	6	—	41	189	12
1901	111204	3230	2061	578	61832	1951	1177	379	37888	1071	565	178	4583	51	41	2	3930	89	32	6	2971	38	21	1	—	30	217	12
1902	112102	3846	2021	554	61993	2294	1156	355	38584	1209	517	162	4595	57	44	5	3957	99	38	7	2973	29	18	8	—	48	216	15
1903	113343	3516	1937	548	62732	2113	1090	342	39034	1173	535	178	4904	57	25	2	3998	91	43	10	2975	37	31	0	—	45	213	16
1904	114814	3805	2282	688	63738	2284	1300	416	39417	1292	630	225	4629	51	28	10	4043	84	56	17	2977	40	32	4	—	54	236	16
1905	116040	3707	1833	481	64585	2185	1015	298	39455	1269	479	142	4791	48	40	5	4101	109	44	9	3108	40	35	4	—	56	220	23
1906	117203	3733	2078	565	65236	2188	1181	361	39847	1265	521	162	4839	65	44	5	4142	127	64	11	3139	44	27	3	—	44	241	23
1907	118441	3727	1829	410	65925	2159	1021	270	40268	1250	476	116	4890	45	33	1	4186	145	50	9	3172	64	32	6	—	64	217	8
1908	119692	3775	1929	516	66622	2119	984	295	40693	1282	559	178	4941	47	35	3	4230	221	73	16	3206	48	25	2	—	58	253	22
Averages of Years 1899 to 1908	114177	3601	2014	552	63538	2145	1127	348	38864	1202	545	169	4696	53	37	4	4032	109	48	10	3044	42	28	3	—	48	221	15
1909	120955	3737	1930	458	67325	2076	1006	288	41122	1303	526	138	4993	56	37	2	4275	201	69	14	3240	50	37	3	—	51	255	13

**Deaths of Non-Residents in Public Institutions in Birkenhead
during 1909 NOT INCLUDED in Returns.**

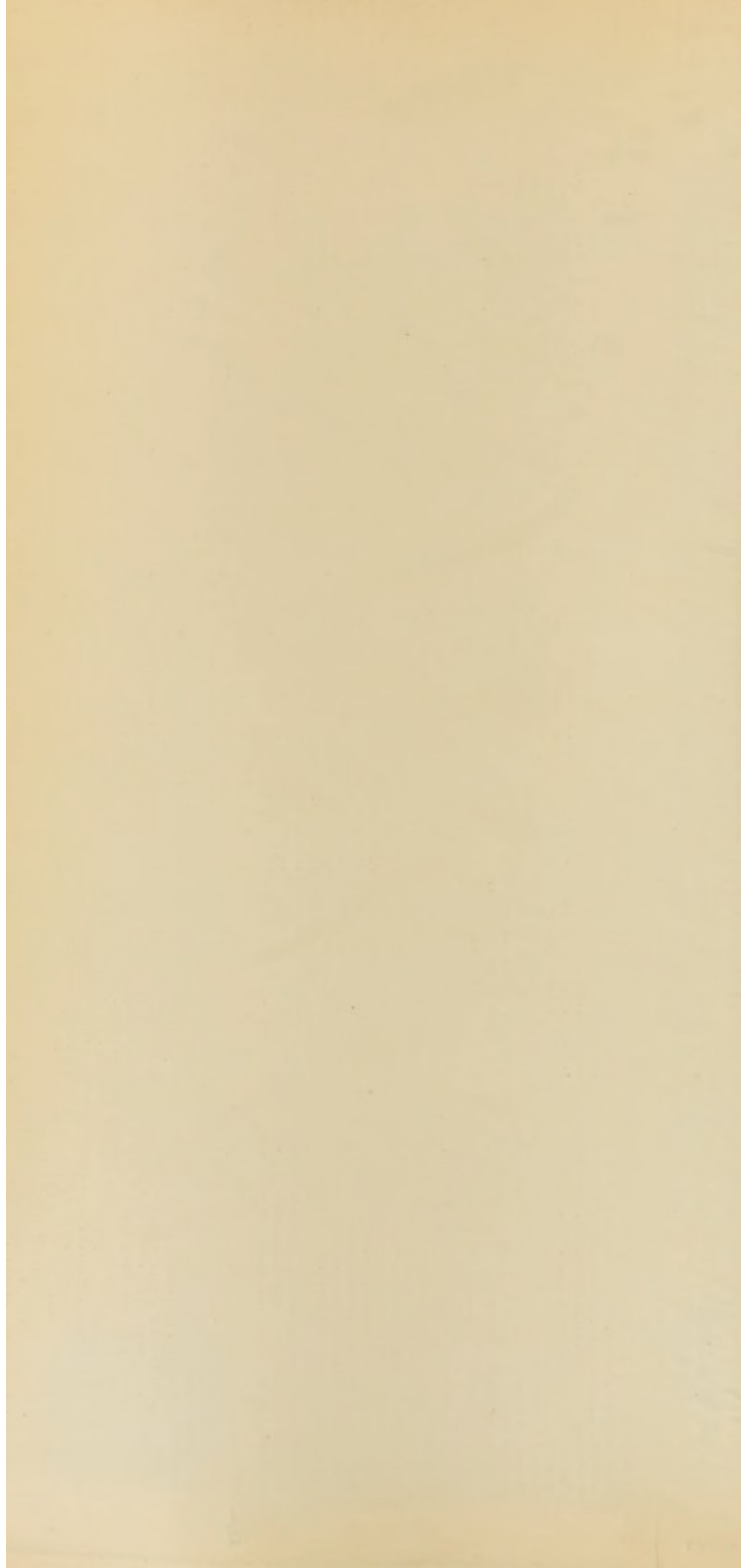
Week.	Sex.	Age.	Cause of Death.
4	M	18	Typhoid Fever.
5	M	18	Fracture of the skull.
8	M	59	Intestinal Obstruction.
13	M	12	Tuberculous Peritonitis.
15	F	97	Senile Decay.
19	M	20	Pelvic Abscess.
23	M	22	Heart Disease.
27	M	18 ms	Broncho-Pneumonia.
34	M	5	Intestinal Obstruction.
37	M	62	Syphilis.
40	M	18	Acute Pneumonia.
40	F	31	Asphyxia, swallowed false teeth.
41	M	20	Suicide by shooting.
47	M	24	Asphyxia, swallowed false teeth.
49	M	45	Broncho-Pneumonia.
50	F	28	Childbirth.

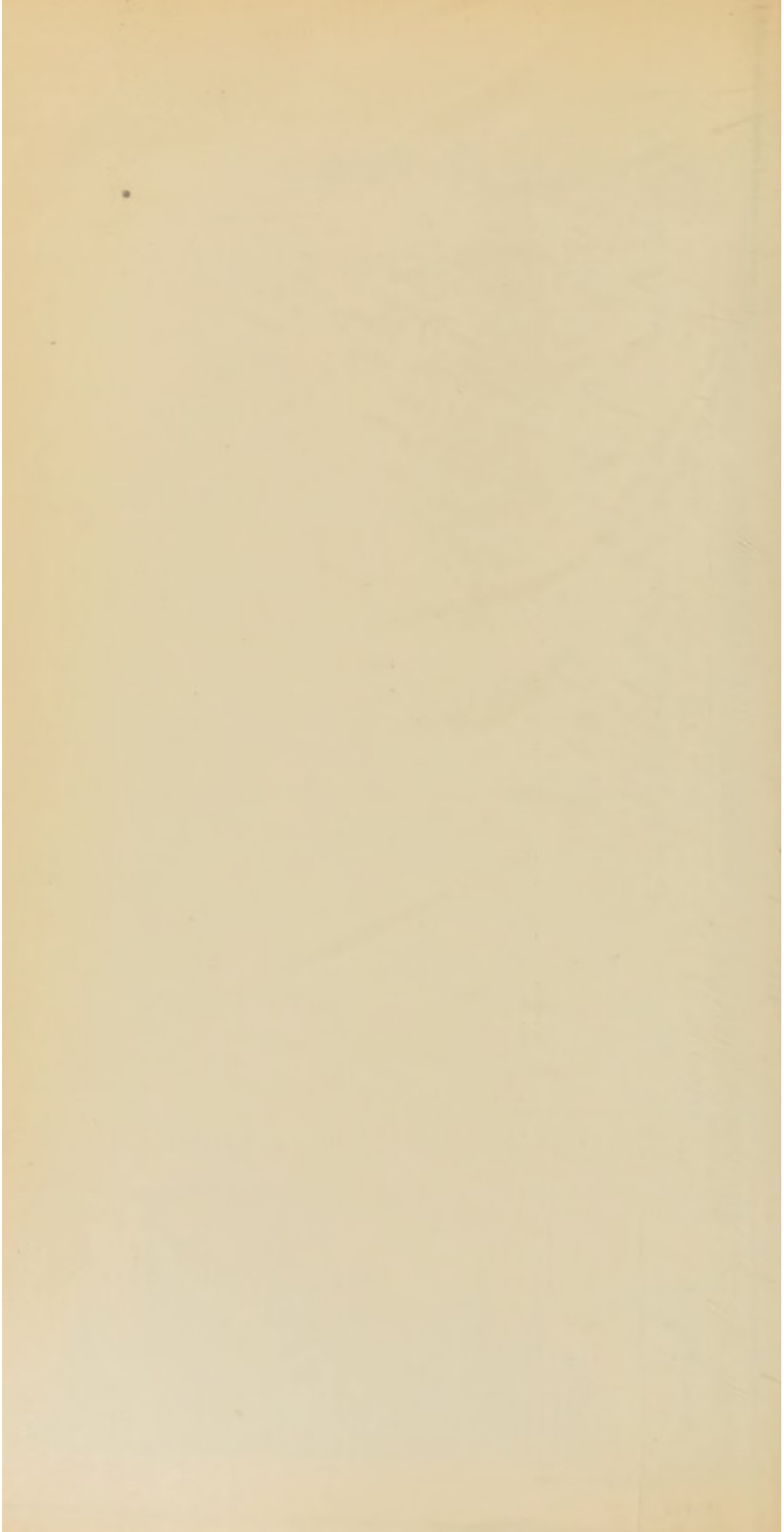


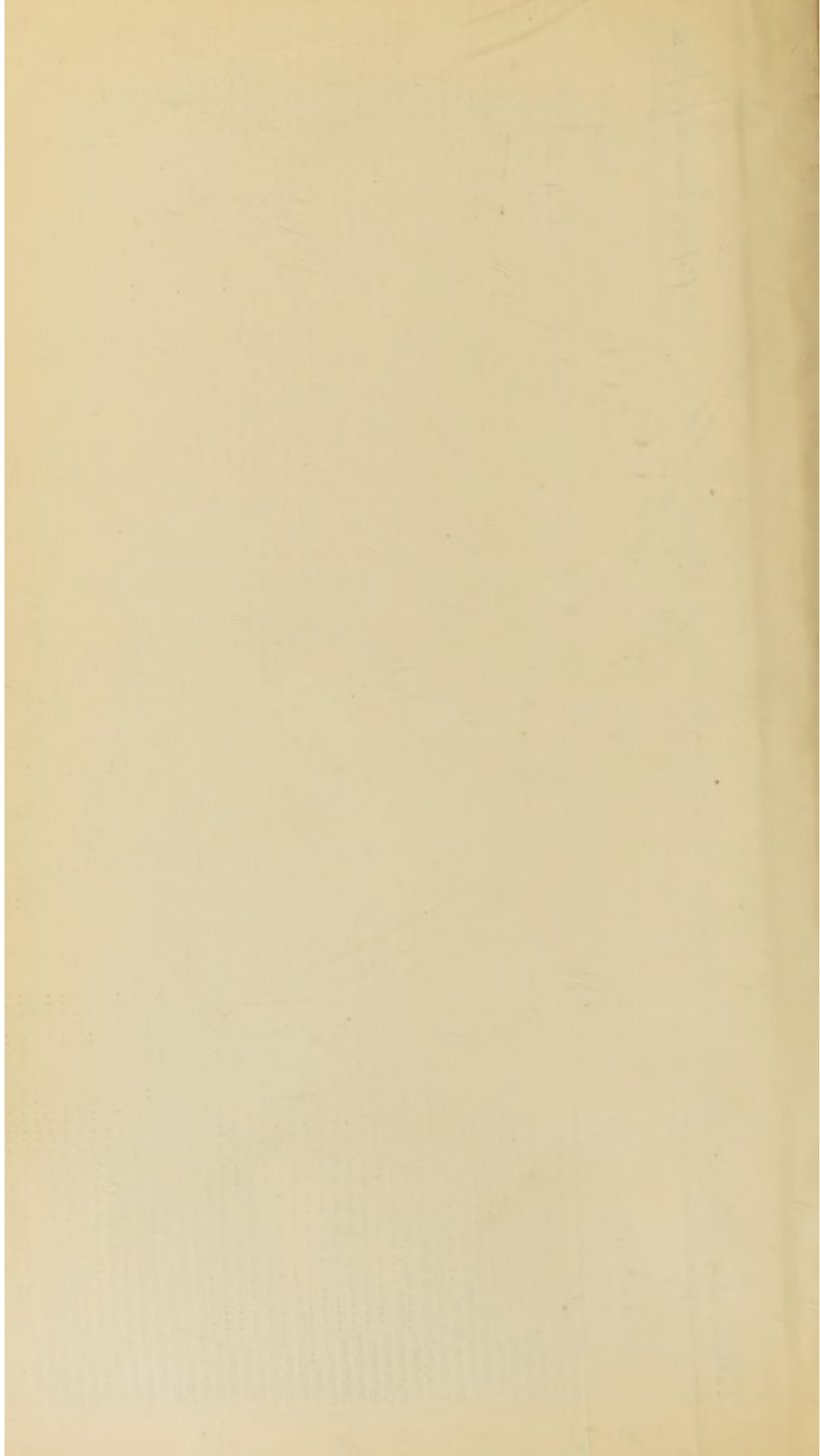
BIRKENHEAD SUB-REGISTRATION DISTRICT.

CLASS.	CAUSE OF DEATH.	WEEKS.							TOTAL.	PER 1,000.
		1	2	3	4	5	6	7		
I.	Scarlet fever								1	1
	Chickens-pox									
	Scarlet fever									
	Diphtheria									
	Scarlet fever									
	Measles									
	Measles Group									
	Measles									
	Typhoid or Enteric Fever									
	Typhoid									
	Enteric Fever									
	Enteric Fever									
	Cholera									
	Diarrhoea									
	Diarrhoea									
II.	Acute									
	Manifest Fever									
	Other Zoonotic Diseases									
	Cholera									
	Adiarrhoea									
	Division of Intestine									
	Peritonitis									
	Abdominal									
	Thrush									
	Goitre									
	Goitre									
	Scars (Scarum Orbis)									
	Abscess of Tonsil									
	Tubercular									
	Tubercular									
III.	Other Tubercular Diseases									
	Cerebro-Spinal Meningitis									
	Myelitis									
	Alcohol									
	Chorea									
	Chorea									
	Convulsions									
	Spinal Disease (unclassified)									
	Tetanus									
	Tetanus									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
IV.	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	Angeritis									
	V.	Angeritis								
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Angeritis										

Note.—The weeks and January 7th, 14th, 21st, &c., the last week in the year includes one day extra.







Infantile Mortality during the year 1909.

CAUSE OF DEATH.	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 mos.	2-3 mos.	3-4 mos.	4-5 mos.	5-6 mos.	6-7 mos.	7-8 mos.	8-9 mos.	9-10 mos.	10-11 mos.	11-12 mos.	Total Deaths under 1 yr.
	All Causes :—	69	19	23	17	128	63	51	37	31	26	20	27	20	18	14	20	455
Certified	3	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	3
Uncertified	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Common Infectious Diseases :—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Small-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chicken-pox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria : Croup	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diarrhoeal Diseases :—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diarrhoea, all forms	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteritis, Muco-enteritis, Gastro-enteritis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gastritis, Gastro-intestinal Catarrh	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wasting Diseases :—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Premature Birth	36	9	4	2	51	5	1	1	—	—	—	—	—	—	—	—	58
Congenital Defects	7	5	1	—	13	1	—	—	—	—	—	—	—	—	—	—	15
Injury at Birth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Want of Breast-milk, Starvation	10	—	—	1	11	4	3	2	—	—	—	—	—	—	—	—	21
Atrophy, Debility, Marasmus	4	1	5	7	17	20	10	13	6	3	1	5	2	3	1	1	82
Tuberculous Diseases :—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculous Meningitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculous Peritonitis : Tabes Mesenterica	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Tuberculous Diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Causes :—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syphilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rickets	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningitis (not Tuberculous)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Convulsions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bronchitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Laryngitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Suffocation, overlying	5	1	1	1	7	5	3	4	4	7	7	5	3	5	4	6	55
Other Causes	10	2	5	3	20	2	5	3	2	3	1	5	1	—	1	—	43
	72	19	23	17	131	63	51	37	31	26	20	27	20	18	14	20	458

TABLE V.
STREET REGISTER OF DEATHS.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Abbey Street	2		Atherton Street		
Abbey Terrace	2		Athol Street	1	1
Abbot Street	6		Athol Terrace		
Aberdeen Street	2		Austin Street		
Ackworth Place			Back Beckwith Terraces..		
Acton Road	1		Back Camden Street		
Adelaide Road	1		Back George Street		
Adelphi Street	1	1	Back Havelock Street		
Albany Road			Back Livingstone Street..		
Albert Place	2	1	Back Myrtle Street		
Albert Road	3		Back Oliver Street		
Albert Street			Back Oxton Road		
Albert Terrace			Back Pilgrim Street		
Albion Street	7	1	Back Price Street	1	1
Alcott Avenue			Back St. Anne Street	3	
Alderley Avenue			Back Salisbury Street		
Alexandra Drive			Balfour Road	1	1
Alexandra Road			Balls Road	3	
Alfred Road	2		Balls Road East	1	
Alison Street			Bankville Road	2	
Allerton Grove			Banning Street	2	
Allerton Road			Barnard Road		
Alma Street			Barnston Street	3	
Alpha Drive			Barton Street	3	
Alton Road	1		Baytree Road	3	
Alvanley Place	1		Beaconsfield Road	1	
Alverstone Avenue	1	1	Beaufort Road	1	
Amery Grove			Bebington Road		
Anglesea Terrace			Beckwith Street	23	1
Apple Grove	3	1	Bedford Place		
Argyle Street	3		Bedford Road	12	1
Argyle Street South	7		Bedford Street		
Arno Road			Beech Road	4	
Arnside Road	1		Beech View	1	
Arrowe Place			Belgrave Terrace	1	
Arthur Street	5	1	Belmont	1	
Ash Road			Belmont Grove		
Ashburton Road			Bennett's Hill	1	
Ashford Road			Bentinck Place	2	
Ashley Street	1		Bentinck Street	6	1
Ashville Road	1		Bentinck Terrace	1	1
Aspendale Road	1		Bentley Road		
Aspinall Street	5	2	Beresford Road	4	
Asquith Avenue	2		Berner Street	1	1
Astonwood Road	4		Berry Street	2	

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Bertha Street			Carnforth Street	4	1
Bessborough Road	2		Carnforth Terrace	2	1
Bidston Avenue	1		Caroline Place.....		
Bidston Road	2		Carrington Street	1	
Birch Road			Castle Street.....	3	1
Biikenhead Park.....			Cathcart Street	13	
Blackpool Street			Catherine Street		
Blandford Street.....			Cavendish Drive	2	1
Blucher Street.....	3	1	Cavendish Road	1	
Bold Street			Cavendish Street.....	1	
Booth Street.....	1		Cearns Road.....	2	
Borough Road.....	19	2	Cedar Street.....		
Boundary Road			Challis Street		
Braid Street.....			Chamberlain Street.....	2	
Brandon Cottages			Chapel Place (Tran.)		
Brandon Street	1		Chapel Place (B'head) ..	1	
Brassey Street.....	3	1	Chapel Square.....		
Brattan Road	1		Chapel Street	3	
Bray Street			Charlecombe Street.....		
Briardale Road	7	2	Charles Street		
Bridge Street	2		Charlesville	2	
Bridge End Terrace.....	1		Charing Cross		
Bright Street	5	1	Chatham Road	4	
Brill Street			Chatsworth Road		
Brimstage Street.....			Chesnut Grove.....	2	
Brook Place.....	5	1	Chester Street	8	1
Brook Square	1		Chetwynd Road		
Brook Street	29	6	Christchurch Road.....	2	1
Brookland Road.....			Church Place		
Broom Hill			Church Road	5	
Brougham Street.....	11	3	Church Street	5	
Brunswick Street.....	3		Church Terrace	2	1
Buckingham Avenue			Churchill Avenue.....		
Budworth Road			Circular Road	1	
Bulwer Street			Clare Street	2	
Burton Street	1		Clarence Road.....		
Buxton Road	7	1	Clarendon Street.....	5	2
Caerwys Grove.....			Cloughton Firs.....	1	1
Caldy Place	1	1	Cloughton Place		
Cambridge Place.....	2	2	Cloughton Road	11	3
Camden Street.....	5	2	Clayton Street.....		
Campbell Terrace	3		Cleveland Avenue	3	
Camperdown Street	1		Cleveland Street	14	3
Canning Street.....			Clifford Street	1	
Cannon Hill.....			Clifton Crescent	1	
Canterbury Road	1		Clifton Road	3	
Cardigan Street	4		Clive Road	1	
Carlisle Street	5		Clwyd Street		
Carlton Mount.....			Clyde Street.....		
Carlton Road	3	1	Cobden Place		

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Cobden Street	8	3	Dundonald Street		
Coburg Street	2		Eagle Court		
Cole Street			Earl Street	3	
Collingwood Street	1		Eastbourne Road		
Columbia Road			Eastham Street	3	
Colwyn Street			Eaton Road		
Combermere Terrace			Ebenezer Street	1	
Comet Street	1	1	Edgar Street		
Connaught Street	2	1	Egerton Park	4	1
Connor's Court			Egerton Road	1	
Conway Place	1		Egerton Street	1	
Conway Street	15	1	Elderwood Road		
Cook Street			Eldon Place	4	
Corfu Street			Eldon Road		
Corporation Road	8	1	Eldon Street	2	
Cottage Street	2		Elfet Street	1	
Coventry Street	1		Elgin Street	4	1
Cranbourne Avenue	1		Elizabeth Place	1	
Craven Place	1		Elm Grove	1	
Craven Street	10		Elm Road	3	
Cressington Avenue	1		Elm Street	2	
Crofton Road	2		Elmswood Road	4	1
Cromwell Street			Enfield Terrace	1	
Cross Street			Erskine Street		
Crown Street	3	1	Esplanade	1	
Croxteth Street	1		Etna Street		
Cumberland Place	1		Euston Grove	2	
Curzon Avenue	1		Exmouth Street	5	
Cyprus Street	3		Falcon Road	2	1
Dacre Street	7		Fairclough Lane		
Dale Street	1		Fairfax Road	5	
Davies Street	3		Fairfield Road		
Dee Street	3	1	Fairview Road	1	
Dell Road	1		Falkland Street	2	
Derby Park			Farm Road	1	
Derby Road	3	1	Fearnley Road	1	
Derby Street	6		Field Street	8	
Derwent Road			Flamank Street	5	
Devonshire Place	2		Flaybrick Hill Cemetery ..	1	
Devonshire Road	1		Flint Street	7	
Dial Road			Florence Street	1	
Dingle Road	1		Fore Street	3	
Dock Quay			Forest Road		
Donegal Street			Fountain Street	6	1
Doric Street			Fox Street	13	2
Douglas Street			Francis Avenue		
Dover Street	2	1	Frederick Street	2	
Downham Road	1		Freeman Street		
Duke Street	2		Frodsham Street	3	
Duncan Street	2		Garfield Place		

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Garner's Place.....			Harper's Court.....		
Garnet Street	2	1	Hartington Avenue.....	1	
George Street	4		Harriet Street		
Gerald Road.....			Harrowby Road	5	1
German Terrace	2		Harrowby Road South ..	1	
Gertrude Street			Harrowby Road West ..		
Getley Street	2		Hatherley Street.....		
Gladstone Road	5	1	Havelock Street	1	
Gladstone Street.....	5		Hawarden Avenue		
Glasgow Street.....			Hawthorne Road		
Glenmore Road			Haymarket	1	
Glover Street	1		Hazel Road	1	
Gomer Street	3		Heathbank Road.....		
Gordon Street			Heather Brow	2	
Gore Street			Heathfield Road		
Gothic Street	4	1	Heaths Ter.(Bennett's H.)		
Grace Street.....			Helmingham Road.....	3	
Grace Terrace			Hemingford Street		
Grafton Street.....	2		Hemingford Terrace		
Grange Mount.....	3		Henry Street	5	
Grange Place	1		Henthorne Street.....		
Grange Road	7		Herbert Place	1	
Grange Road West.....	6	1	Highfield Crescent		
Grange Street			Highfield Grove	3	
Grasville Road.....	1		Highfield Grove North ..	2	
Green Lane	5	1	Highfield Grove South ..	2	
Green Lawn.....	1		Highfield Road	6	
Greenbank Road.....			Highfield South		
Greenfield Street.....	4		Highgreen Road		
Greenway Road	1		Hilbre Street	3	2
Grenville Road	1		Hillside Road	2	
Grosvenor Place			Hill Road	1	
Grosvenor Road	1		Hilton Street	3	
Grosvenor Street.....	4		Hind Street	1	
Grosvenor Terrace			Hinderton Road	5	
Grove Mount			Hinson Street		
Grove Road.....	7	1	Holborn Hill	3	
Haddon Road	1		Holborn Square	1	
Halcyon Road.....	3	1	Holly Bank Road		
Haldane Avenue	1		Holm Lane	1	
Halkin Street	1		Holt Hill		
Hamilton Lane			Holt Hill Terrace.....		
Hamilton Square.....	6	1	Holt Road	3	
Hamilton Street	1		Holt Terrace	1	1
Hamilton View			Hope Street	3	
Hampden Grove			Hope Terrace		
Hampden Road	1		Horatio Street.....		
Hampton Street	1		Hornby Street.....	2	
Harcourt Street	3		Houldin's Place		
Harland Road	2		Howard Street.....	2	

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Howbeck Road			Lilly Street		
Howe Street			Lingdale Road	2	
Howson Street	3		Lingdale Road North		
Hoylake Road	2		Linwood Road	2	
Hughes' Buildings			Liversidge Road	2	
Hughes' Lane			Livingstone Road	4	
Huskisson Street	4		Livingstone Street	16	3
Ingestre Road			Lloyd Avenue	2	
Ivy Bank			Lord Street	1	
Ivy Court			Lorn Street	1	
Ivy Street	4		Lorne Road		
Ivydale Road	4		Lowe Street		
Jackson Street	3		Lower Ivy Street		
James Street	1		Lower George Street		
Jessamine Road	3	1	Lowther Street	5	
John Street	1		Lowwood Grove		
Keightley Street	2		Lowwood Road	2	
Kellett's Place	2		Lunar Street	1	1
Kelvin Road	1		Lydia Terrace	1	
Kendal Street			Lynas Street	4	
Kent Place			Maddock Street	2	2
Kent Street			Manor Hill		
Kimberley Street			Maple Street	1	
King Street			Mallaby Street	2	1
King's Mount	2		Malta Street		
Kingsdown Street	1		Marcus Street		
Kingsland Road	3		Marion Grove	1	
Kingsley Street	1		Marion Street	4	1
Kingsmead Road North	2	2	Market		
Kingsmead Road South			Market Place South		
Kipling Avenue			Market Street	8	
Kinmel Street	1		Marlborough Grove	1	
Kirkland Avenue	1	1	Marquis Street	2	
Knowles Street			Marsden Villas	1	
Knowsley Road	1		Marshall Place		
Knox Street			Marshall Street		
Kylemore Road			Mason's Court		
Laird Street	10	1	Mason Street	1	
Lansdowne Road	2		Massey Street	2	1
Larch Road	4		Mather Road	2	
Laurel Road	1		Maybank Road	3	1
Laxey Terrace			Meadow Lane	3	
Lea Street			Meadow Place		
Lees Avenue	1		Meadow Street	3	1
Leicester Street	9		Medway Road	2	
Leicester Terrace			Mellor Road	2	
Leighton Road	3		Menai Street	4	3
Leinster Street			Mersey Lane South		
Leta Street	2		Mersey Mount		
Lever Terrace	1		Mersey Road	2	

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Merton Place	4		Oak Street	6	1
Meteor Street	1		Oakdene Road.....		
Methuen Street	2		Oakfield View	1	
Midland Street.....	6		Oak Tree Cottages	1	
Mill Street	6		Oak Tree Place		
Millar's Place	1		Oak Tree Terrace		
Millbank Cottages			Old Bidston Road	4	
Milner Street			Old Chester Road	20	
Milton Road.....	1		Old Priory	2	1
Milton Street	1		Olive Crescent.....		
Miriam Place			Olive Mount.....	2	
Mollington Street	3		Oliver Lane		
Mona Street.....	1		Oliver Place.....	3	
Monk Street.....	1		Oliver Street	12	3
Moon Street.....	6		Orchard Road	1	
Moorland Road	4		Oriel Road	3	
Moreton Street.....			Osborne Road	2	
Morecroft Road			Osmond Street.....		
Morley Avenue			Oxton Road.....	7	1
Mornington Street	2		Palm Grove	2	
Morpeth Buildings	5	1	Palm Hill		
Mortimer Street	1		Palmerston Street		
Mossley Road			Parkfield Avenue.....	26	
Moss Grove	2		Parkfield Place		
Moss Lane			Parkside Road.....	4	
Mounsey Road.....			Park Grove	1	
Mount Grove	3		Park Road		
Mount Pleasant	2		Park Road East	4	
Mount Road.....	2		Park Road North	7	
Mount Street			Park Road South	5	
Mulberry Road			Park Road West.....		
Munster Street.....			Park Street	5	1
Myrtle Court			Parkton Grove.....		
Myrtle Place.....	1	1	Parr's Road	2	
Myrtle Street	3		Paterson Street	6	
Napier Street	1		Patten Street	4	
Nelson Place			Payson Street	3	
Nelson Road	2	1	Pearson Road	1	
Nelson Street	5		Peel Street	13	2
Neptune Street	1		Pensby Street	3	
Neston Street	2		Penrith Street.....	5	1
Newburn's Lane			Percy Place		
New Chester Road	7	1	Pilgrim Street	1	
New Ferry Pier			Pitt Street	4	
Newling Street.....	3		Planet Street	4	
Newton Street.....			Pleasant Street	1	
Norman Street.....			Plymouth Place		
Normanton Road	2		Pool Street	2	
North Road			Poplar Grove		
Oak Bank.....			Poplar Road.....		

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Portland Street	3		Romilly Street.....	1	
Powell Street			Rose Brae.....		
Prenton Road East.....	1		Rose Cottages	5	
Prenton Road West			Rose Mount.....	3	
Price's Lane.....			Rose Place		
Price Street	26	2	Rose Street	4	1
Prince Edward Street....	3		Rosebery Grove	2	1
Princes' Place	2		Rosedale Road.....	1	1
Princes' Street.....	1	1	Roslin Road.....		
Princes' Terr. (Grange Rd)			Roslyn Street	5	1
Princess Ter. (Balls Road)	1		Ross Terrace		
Priory Court.....	5	2	Rowland Street	4	
Priory Street	4	1	Roxburgh Avenue	2	
Prospect Place.....	1		Rundle Street	2	1
Pym Street			Rushton's Court		
Quarry Bank			Ruskin Avenue	1	
Quarry Bank Place.....	8	2	Russell Cottages		
Quarry Bank Street			Russell Place	4	
Queen's Buildings (A to K)	9		Russell Road	8	
Queen's Buildings	1		Russell Street	3	
Queen's Place	3		St. Andrew's Road.....		
Queen's Road	2		St. Anne's Grove		
Queen Street	1		St. Anne's Street.....	30	6
Queensbury Street	2		St. Anne's Terrace	1	
Quigley Street.....	2		St. George's Avenue	2	
Radnor Place			St. John Street.....	1	
Raffles Road	3		St. Mary Street		
Railway Road	1		St. Mary's Avenue	1	
Randle Street	5		St. Mary's Gate	2	1
Ravenscroft Road	2		St. Paul's Place		
Ravenswood Avenue			St. Paul's Road	8	1
Rawcliffe Road	1		St. Paul's Villas.....		
Redmond Street			St. Peter's Road	1	
Reedville	3		Salcm View	1	
Rhoden's Place			Salisbury Street	3	
Rhyl Street	3		Samuel Street	1	
Richmond Cottages.....			Sandford Street	4	
Ridley Street	2		Saxon Street		
Rimmer's Court			School Place.....	3	
Ripon Street			Scott's Court		
Roberts Street.....	2		Scott's Place	1	1
Rochester Road	3	1	Seabank Cottages	1	
Rock Ferry Pier			Seabank Road.....		
Rock Lane East	2		Seaton Road	1	
Rock Lane West.....	4		Sefton Road.....	1	
Rock Park	1		Seymour Street	4	
Rockville Street	1	1	Shakespeare Avenue		
Rocky Bank Road			Shaw Street.....	3	1
Rodney Street.....	8		Shaw's Place	1	
Roe Street			Shaw's Terrace		

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Shore Road			Tower Hill	2	
Shotwick Street			Tower Road	3	2
Shrewsbury Road	5		Town Road		
Shrewsbury Road North..			Trinity Street	3	1
Sidney Buildings			Tudor Road	1	
Sidney Road	6		Tunnel Road		
Sidney Street	2		Turner Street		
Sidney Terrace	1		Tuscan Street		
Silverdale Road	1		Tyrer Street	2	
Simpson Street	1		Union Street	2	
Slatey Road	2		Upper Beckwith Street ..	3	
Somerville Street	4		Upper Brassey Street	4	
South Bank	1		Upper Flaybrick Road ..	1	
South Hill Grove			Upton Road	1	
South Hill Road	2		Vardon Street	1	
South Reserve			Vernon Place	1	
South Road	1		Vicar's Court	1	
Southwick Road	1		Victoria Drive		
Spring Street	2		Victoria Mount		
Spring Villas			Victoria Road	3	
Stafford Street			Village Road		
Standard Place	1		Village Terrace	1	
Stanley Court	4		Vincent Street	1	
Stanley Place	1		Vine Street	10	4
Stanley Road	1		Vittoria Street	4	
Stanley Street	1		Vittoria Wharf and Dock..	16	
Stanway Place			Vulcan Street	4	
Star Street			Walker Place	2	1
Station Road			Walker Street	2	
Stewart Place	1		Walton Street	2	
Stewart Street	1		Waring Avenue	1	
Stoke Street	4	1	Warrington Street		
Storeton Road	1		Warwick Street	3	
Stuart Road			Water Street	1	
Sun Street	2		Waterford Road		
Sussex Street	5		Waterloo Court		
Swan's Court			Waterloo Place	1	
Swan's Place			Watson Street	3	
Sycamore Road			Waverley Grove	1	
Talbot Road			Well Lane	3	
Tatton Road	1		Wellesley Street		
Taylor Street	1		Wellington Road	3	
Temple Road	1		Wellington Terrace	1	
Tennyson Avenue			Wesley Street	1	
Tetbury Street			Wesley Terrace		
Thomas Court			West View	2	
Thomas Street	8	2	West Bank Road	2	
Thompson Street			Westbourne Road	5	
Thornton Street			Westbury Street		
Tollemache Road			Westminster Road	2	

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Wexford Road.....			Windsor Place.....		
Whalley Road.....	2		Windsor Street.....	2	
Whetstone Lane.....	6	2	Wirral Street.....		
Whetstone View.....	3		Woburn Place.....	2	
White Street.....	5		Wood Street.....	5	
Whitfield Place.....			Woodchurch Lane.....		
Whitfield Street.....	1		Woodchurch Road.....	16	2
Whitford Road.....	2		Woodland Avenue.....	1	
Wilbraham Street.....			Woodland Grove.....		
Wilbraham Terrace.....			Woodland Road.....		
Wilkinson Street.....	3	2	Woodland Terrace.....	2	
Wilks Court.....			Woodlands.....	5	
Willan Street.....			Woodside.....		
Willaston Place.....	1		Woodside Lairages.....		
William Street.....	3	1	Woodville Road.....	11	2
Williams' Cottages.....	2	2	Wordsworth Avenue.....	1	
Willmer Road.....	8		Wycliffe Street.....	4	1
Willowbank Road.....			Wycherley Road.....	3	
Willow Street.....	2		Wye Street.....	1	
Willy Street.....	3		Yelverton Road.....	1	
Wilson Street.....	3		York Place.....		
Wilton Road.....	2		Zetland Road.....		

SUPPLEMENT TO TABLE V.

**RETURN OF DEATHS in Birkenhead Union Hospital and
Workhouse during 1909.**

Date	Sex	Age	Occupation, etc.	Cause of Death.	Date and address of deceased when admitted.
1909					
Jan. 3	M	62	General labourer.....	Cerebral hæmorrhage....	21- 2-01 12 Waterloo Place
6	F	37	Labourer's widow	Cancer of uterus	18-12-08 10 in 24 Fox Street
6	F	55	Shoemaker's daughter ..	Chronic bronchitis	11- 4-04 41 Grange Mount
8	M	42	Engine fitter.....	Cirrhosis of liver	18- 9-08 112 Market Street
11	M	62	Dock labourer.....	Chronic bronchiectasis ..	6- 5-22 11 Watson Street
11	F	43	Labourer's wife	Erysipelas.....	8- 1-09 6 Richmond Cottages
11	M	55	General labourer.....	Chronic cerebral softening	7- 8-06 25-Vine Street
9	F	2m	Labourer's daughter	Debility from birth.....	30-12-08 46 Salisbury Street
7	M	30	Soapwork's labourer	Strang'd inguinal hernia	5- 1-09 14 Booth Street
14	F	77	Labourer's widow	Senile decay.....	17- 1-08 42 Roslyn Street
14	M	73	Dock labourer	Chronic cerebral softening	24- 4-08 1 Nelson Place
15	M	56	General labourer.....	Bright's disease	10-12-08 14 Wilson street
18	F	29	Labourer's wife	Phthisis pulmonalis.....	30-12-08 46 Salisbury Street
18	M	65	Coal carter	Cerebral apoplexy	19-12-08 95 Greenway road
20	M	69	General labourer.....	Chronic bronchitis	6-10-97 18 Hope Street
19	F	52	Storekeeper's wife	Carcinoma uterus	16- 9-08 8 Grove Mount
24	F	62	Timekeeper's wife	Cardiac disease	23- 1-09 Borough Hospital
24	M	54	Coalheaver	Nephritis	25- 2-02 6 Waterloo Place
25	M	61	General labourer.....	Phthisis pulmonalis.....	19-11-07 15K Queens Buildings
28	M	72	Corn porter	Left hemiplegia	7- 7-08 13 Chapel Street
27	M	78	Screwing machinist.....	Cerebral softening	12- 4-07 200 Oliver Street
26	F	83	Engine driver's widow ..	Senile decay.....	10-11-99 103 Back Price Street
29	M	90	Shoemaker	Senile decay.....	18- 2-03 Birkenhead.
29	M	45	Butcher.....	Cirrhosis of liver	22- 5-08 20 Arthur Street
28	M	45	General labourer.....	Acute pneumonia	13- 1-09 32 Lord Street
28	F	52	Driller's widow.....	Chronic epilepsy	4-12-01 86 Oliver Street
30	M	82	Railway cashier	Senile decay.....	28- 1-09 8 James Street
30	F	54	Labourer's wife	Cardiac disease.....	28- 1-09 69 Thomas Street
Feb. 2	M	74	General labourer.....	Cerebral hæmorrhage	21- 1-09 3 Parkfield Avenue
2	M	71	Dock labourer.....	Chronic bronchitis	11- 3-01 16 Payson Street
5	F	74	Shipwright's widow	Chronic cerebral softening	27- 3-07 28 Sussex Street
6	M	44	General labourer.....	Phthisis pulmonalis.....	12- 1-09 4 Chapel Place
4	M	34	General labourer.....	Acute pneumonia	30- 1-09 11 George Street
9	M	41	General labourer.....	Acute pneumonia	7- 2-09 4 Spring Street
10	M	56	Blacksmith's striker	Acute pneumonia	1- 2-09 48 Payson Street
11	F	52	Labourer's wife	Phthisis pulmonalis	4- 2-09 17 Blucher Street
11	M	55	Boilermaker	Chronic cystitis	1- 2-09 10 Keightley Street
12	F	35	Joiner's wife.....	Phthisis pulmonalis.....	16- 1-09 7 Well Lane
12	F	60	Labourer's wife	Intestinal obstruction....	8- 2-09 142 Argyle Street Sh.
13	F	63	Woollen manu'r's daugt'r	Cerebral apoplexy	11- 8-94 Birkenhead
13	F	79	Labourer's widow	Cerebral apoplexy	13- 4-08 392 Brook Street
14	M	53	Railway warehouseman..	Erysipelas.....	14- 2-09 19 Taylor Street
14	F	72	Spinster, charwoman	Chronic bronchitis	11- 2-09 12 Egerton Street
9	F	16	Labourer's daughter	Basal meningitis	25- 1-09 404 Beckwith Street

SUPPLEMENT TO TABLE V.—Continued.

Date	Sex	Age	Occupation, etc.	Cause of Death.	Date and address of deceased when admitted.
1909					
Feb. 11	F	38	Labourer's wife	Phthisis pulmonalis	24-10-08 1 Belgrave terrace
17	M	42	Dock labourer	Phthisis pulmonalis	12- 8-07 3 Back Livingstone St
16	M	70	Plumber	Acute pneumonia	25- 6-04 32 Grange Road
22	M	62	General labourer	Cardiac disease	8- 2-09 Cottage, Grange vale, New Chester Road
22	F	79	Labourer's widow	Chronic cerebral softening	27-10-06 6 Derby street
23	F	41	Labourer's wife	Uræmic convulsions	22- 2-09 22 Cleveland avenue
21	M	79	Cab driver	Senility	3- 9-01 140 Chester Street
21	M	58	General labourer	Acute pneumonia	16- 2-09 8 Wilson Street
23	M	74	Dock labourer	Bronchitis	15- 2-09 75 Market Street
23	F	62	Labourer's widow	Bronchitis	21- 2-09 378 Brook Street
28	M	65	Pattern maker	Sarcoma of jaw	24- 2-09 23 Neston Street
28	M	67	Bricklayer	Erysipelas of leg	6-11-08 30 Pleasant Street
25	M	53	Engine fitter	Phthisis pulmonalis	13- 2-09 Tranmere
27	F	1m	Dom. servant's daughter.	Premature birth	27- 1-09 56 Church Road
28	M	23	General labourer	Morbus cordis	16-11-08 18 Cook Street
Mar 1	F	30	Joiner's wife	Pleuro-pneumonia	27- 2-09 6 Parkside Road
1	M	77	Dock labourer	Senile decay	2- 9-03 217 Market Street
3	M	34	Boilermaker	Cardiac disease	20- 1-09 9 Quarrybank place
3	F	72	Labourer's widow	Carcinoma of breast	3- 2-09 34 Harrowby road
4	M	60	General labourer	Phthisis pulmonalis	1- 3-09 38 Moon Street
4	F	76	Farm labourer's widow ..	Senile decay	26- 1-09 78 Earl Street
6	M	68	Boilermaker	Carcinoma of throat	12- 1-09 4K Queens Buildings
6	M	79	Engine fitter	Senile decay	26- 9-08 3 Old Chester Road
6	F	77	Dock labourer's widow ..	Cardiac disease	5- 3-09 32 Church Road
6	M	50	Ship fireman	Phthisis pulmonalis	1- 3-09 100 Church Street
8	M	52	Boiler cleaner	Chronic cerebral softening	13- 8-08 6 Davies Street
8	F	56	Labourer's daughter	Purulent bronchitis	6- 3-09 159 Brook Street
10	M	74	Railway porter	Senile decay	18- 2-09 31 Grange Road
10	F	68	Seaman's widow	Cerebral softening	12-12-08 29 Grange Road
10	F	64	Coroner's Beadles' widow.	Pleuro pneumonia	23- 9-08 3 Wellington Terrace
14	M	39	Army pensioner	Phthisis pulmonalis	27-12-08 16 Earl Street
12	M	85	Grain porter	Senile decay	29 -1-06 47 Somerville Street
13	F	71	General labourer's wife ..	Chronic bronchitis	27-11-01 40 Woodville Road
15	M	29	Grain warehouse labourer	Acute penumonia	8- 3-09 16 ⁵ Bentinck Street
16	M	61	Boiler cleaner	Gangrene of leg	6- 3-09 4 Eldon Place
12	M	75	General labourer	Chronic cerebral softening	10-11-08 10 ⁴ Willaston Place
19	M	70	General labourer	Senility	13- 4-08 142 Borough Road
21	F	65	Upholsterer's widow	Cirrhosis of the liver	11- 2-09 25 Holt Hill
22	M	65	Dock labourer	Senility	4-11-03 107 St. Anne Street
23	F	28	Dock labourer's wife	Cerebral hæmorrhage	15- 3-09 8 Field Street
22	M	75	Gasfitter	Senile decay	19- 7-08 75 Market Street
27	F	83	Storekeeper's widow	Senile mania con. Fr. thigh	1- 3-09 120 Cathcart Street
29	F	70	Shipping clerk's widow ..	Sacro iliac abscess	23- 3-09 38 Beckwith Street
31	F	70	Warehouseman's widow ..	Senile decay	19- 3-09 2 Spring villas
28	M	38	Painter	Cystitis	10- 3-09 92 Church Street
April 2	M	60	Blacksmith's striker	Heart disease	12- 3-09 61 Vulcan Street
4	F	63	Gardener's wife	Cerebral softening	5-12-09 10 Turner Street
6	F	46	Fireman's wife	Heart disease	5- 4-09 40 Edward Street

SUPPLEMENT TO TABLE V.—Continued.

Date	Sex	Age	Occupation, etc.	Cause of Death.	Date and address of deceased when admitted.
1909					
April 7	M	31	Rag gatherer	Phthisis	9- 2-09 45 Flamank Street
8	M	78	Formerly a plasterer ..	Senile decay	25- 8-08 13 Victoria Mount
8	F	42	Joiner's wife	Phthisis	29- 3-09 111 Livingstone St.
9	M	14	Labourer's son	Appendicitis	8- 4-09 10 St. Mary's Gate
8	M	35	Dock labourer	Phthisis	16-11-08 12 in 24 Fox Street
11	M	10	Cutler's son	General tuberculosis ..	19- 3-09 1 Wilson Street
13	M	66	Cabinet maker	Senile decay	12- 3-09 166 Chester Street
14	M	55	Dock labourer	Broncho pneumonia ..	8- 3-09 55 St. Anne Street
17	M	52	Engine fitter's labourer ..	Cerebral hæmorrhage ..	7- 4-09 57 Oliver Street
18	F	78	Outfitter's widow	Senility	2- 4-03 63 Derby Road
18	M	49	General labourer	Phthisis	26-12-08 92 Church Street
20	M	65	Shoemaker	Cardiac disease	14- 4-09 Home, Parkfield Ave
23	M	1m	Dock Labourer's son	Premature birth	15- 3-09 Lying-in-Hospital
23	F	73	Master mariner's widow ..	Cardiac disease	19- 3-09 21 Thompson Street
26	F	60	Spinster, cook	Senile decay	7- 1-08 Home for the Aged
28	F	49	Stonemason's wife	Phthisis	7-10-07 214 Chester Street
30	M	56	Labourer	Cardiac disease	14- 4-09 23 Warwick Street
30	M	76	Distiller's traveller	Rectal abscess	4- 9-09 34 Cloughton Road
30	M	55	General labourer	Phthisis pulmonalis ..	19- 3-09 98 Church Street
May 4	F	57	Patternmaker's widow ..	Cardiac weakness	14- 4-09 29 Star Street
6	M	33	Dock labourer	Tuberculous phthisis ..	23- 3-09 100 Brook Street
7	M	67	General labourer	Senile decay	5- 4-09 41 Chester Street
6	F	89	Labourer's widow	Senile decay	14-10-02 46 Lowther Street
8	F	2	Dom. servant's daughter ..	Tabes mesenterica	13- 1-07 56 Church Road
9	M	54	Butcher	Broncho pneumonia ..	29- 4-09 21 George Street
10	M	38	General labourer	Phthisis pulmonalis ..	20- 4-09 33 Thomas Street
20	F	41	Labourer's wife	Heart disease	8- 5-09 42 Jackson Street
20	M	11m	Domestic servant's son ..	Broncho pneumonia ..	21- 4-09 25 Railway Road
21	M	59	Blacksmith	Heart disease	18- 5-09 83 Oliver Street
20	M	63	Night watchman	Heart disease	13- 5-09 8 Nelson Street
24	F	55	Labourer's widow	Heart disease	21- 5-09 5 Vine street
26	M	56	General labourer	Heart disease	24- 3-09 5 Mount street
26	F	27	Carter's wife	Puerperal septicæmia ..	22- 5-09 108 Beckwith Street
24	M	13h	Dock labourer's son	Premature birth	25- 5-09 56 Church Street
25	M	73	General labourer	Senility	3-11-08 Home for Aged, B'k'd
27	M	79	General labourer	Senility	23- 1-04 55 Ivy Street
17	M	34	Of no occupation	Suicide, cut throat	16- 8-90 Birkenhead
29	M	70	Dock labourer	Senile degeneration ..	5- 5-09 42 Bridge Street
30	F	35	Labourer's wife	Phthisis pulmonalis ..	16- 3-09 74 Thomas Street
31	M	38	Fitter's labourer	Broncho-pneumonia ..	28- 5-09 121 St. Anne Street
29	M	49	Dock labourer	Broncho-pneumonia ..	28- 5-09 224 St. Anne Street
31	F	65	Insurance agent's widow ..	Senility	17- 5-09 298 Conway Street
31	M	32	General labourer	Phthisis pulmonalis ..	4- 5-09 Birkenhead
June 1	M	50	Dock labourer	Carcinoma, lower jaw ..	29- 4-09 25 Taylor Street
2	F	86	School teacher	Senility	26- 8-97 16 Earl Street
4	M	48	General labourer	Cerebral hæmorrhage ..	20-12-01 28 Cleveland Street
4	M	61	General labourer	Heart disease	27- 4-09 17 Oliver Place
8	M	72	Tailor	Senile decay	31- 1-02 21 Leicester Street

SUPPLEMENT TO TABLE V.—Continued.

Date	Sex	Age	Occupation, etc.	Cause of Death.	Date and address of deceased when admitted.
1909					
June 9	M	56	Butcher.....	Hemiplegia.....	6-12-01 53 Larch Road
11	F	50	Mason's widow.....	Chronic nephritis.....	10- 6-09 19 Wood Street
11	F	26	Glazier's daughter.....	Epilepsy.....	31- 7-07 104½ Bentinck Street
14	F	85	Tollgate keeper's widow.....	Senile decay.....	12- 6-09 8 Burton Street 69
14	F	69	Cab driver's widow.....	Carcinoma breast.....	10- 4-09 31 Leicester Street 7
16	M	27	General labourer.....	Phthisis pulmonalis.....	24- 5-09 4 Banning Street
21	M	20	Newsagent's son.....	Phthisis pulmonalis.....	19- 8-08 82 Market Street
24	M	24	General labourer.....	Phthisis pulmonalis.....	26- 5-09 24 Orchard Road
27	M	24	General labourer.....	Phthisis pulmonalis.....	29-10-08 67 Cathcart Street
29	F	5	Cafe clerk's daughter.....	General tuberculosis.....	3- 5-09 66 Westbourne Road
July 3	F	10m	Seaman's daughter.....	Broncho pneumonia.....	27- 6-09 65 St. Paul's Road
5	M	70	Dock labourer.....	Cardiac weakness.....	2- 7-09 100 Church Street
7	F	15d	Seaman's daughter.....	Pulmonary atelactasis.....	22- 6-09 56 Church Road.
7	F	51	Labourer's widow.....	Cardiac disease.....	30- 6-09 31 Lowe Street.
9	M	48	Boiler cleaner.....	Cardiac disease.....	19- 6-09 67 Wood Street
10	M	35	Master hairdresser.....	Appendicitis.....	6- 7-09 9, St. Paul's Road
11	M	39	Dock labourer.....	Influenza.....	8- 7-09 34 Cloughton Road
14	M	52	General labourer.....	Syphilitic rupia.....	4- 5-09 226 Chester Street
15	F	81	Shipsmith's widow.....	Morbus Cordis.....	20-12-07 186 Borough Road.
15	M	61	General labourer.....	Cardiac disease.....	29- 6-09 55 Abbey Street
13	M	13m	Labourer's son.....	Tabes me-enterica.....	17- 5-09 18 Lowther Street
15	M	60	Joiner.....	Phthisis pulmonalis.....	29- 6-09 2 Waterloo Place
16	M	44	General labourer.....	Pneumonia.....	14- 7-09 11 Hamilton View
17	F	7m	Clerk's daughter.....	Gastro-Enteritis.....	17-12-08 56 Church Road
21	M	40	Dock labourer.....	Cardiac disease.....	14- 7-09 20 Oakfield View
24	M	22	Carter.....	Basal Meningitis.....	15- 7-09 30 Back St Anne St
21	F	44	Painter's wife.....	Diabetes.....	13- 7-09 25 Blucher Street
28	M	41	Dock labourer.....	Phthisis pulmonalis.....	31- 5-09 75 Market Street
31	M	65	General labourer.....	Hemiplegia.....	18- 8-98 32 Field Street
31	M	9m	Domestic servant's son.....	Gastro-enteritis.....	2- 7-09 56 Church Road
Aug. 4	M	68	Dock labourer.....	Chronic cystitis.....	3- 8-09 13 Oak Street..
11	M	49	Labourer.....	Acute pneumonia.....	9- 8-09 40 Roslyn Street
11	M	67	Labourer.....	Morbus cordis.....	15- 6-08 62 Thomas Street
19	F	49	Postal clerk's wife.....	Interstitial nephritis.....	2- 7-09 7 Aspendale Road
24	M	77	Blacksmith.....	Senile decay.....	27- 7-08 4 Cloughton Place
27	F	72	Labourer's wife.....	Carcinoma of breast.....	19- 6-09 5 Lilly Street
26	F	32	Labourer's daughter.....	Phthisis pulmonum.....	14- 1-07 Park Street
28	M	32	Cotton warehousem's son..	Epilepsy.....	8- 5-06 5 Sussex Street
28	F	67	Labourer's wife.....	Morbus cordis.....	26- 8-09 42 Vine Street
29	M	76	General labourer.....	Chronic bronchitis.....	3- 7-07 4 Brassey Street
31	F	52	Ship's fireman's widow.....	Mitral disease.....	28- 8-09 12 Oak Street
Sept. 3	F	68	Cabinet maker's daughter.....	Chronic bronchitis.....	13- 3-09 Birkenhead
6	F	39	Labourer's widow.....	Nephritis.....	21- 8-09 41 Powell Street
7	F	62	Labourer's widow.....	Mitral disease.....	2- 9-09 10 Oliver Place
6	F	9m	Servant's daughter.....	Tabes mesenterica.....	15- 3-09 3 Chapel Street..
5	M	3m	Labourer's son.....	Zymotic enteritis.....	25- 8-09 7 Oak Street
7	M	28	General labourer.....	Phthisis pulmonalis.....	10- 3-09 5 Payson Street
18	M	29	County Court bailiff.....	Broncho pneumonia.....	30- 8-09 51 Brougham Street
21	M	35	General labourer.....	Phthisis pulmonalis.....	22- 7-09 55 Flamank Street

SUPPLEMENT TO TABLE V.—Continued.

Date	Sex	Age	Occupation, etc.	Cause of Death.	Date and address of deceased when admitted.
1909					
Sept. 22	M	60	Timber Merchant's clerk	Malig. disease of throat	26- 7-09 12 Claughton Firs
24	M	10m	— son.....	Gastro-enteritis	2- 2-09 10 Chapel Place
25	M	36	Clogger	Phthisis pulmonalis	30- 8-09 86 Wat on Street
26	M	60	Boiler rivetter	Bronchitis	30- 8-09 34 Leicester Street
27	M	54	Cab driver	Paraplegia	19- 1-09 16 Medway Road
17	M	47	House painter	Pleuro-pneumonia	15- 9-09 76 Parkside Road
Oct. 1	M	76	Coachbuilder	Morbus cordis	18- 9-09 184 Market Street
6	F	71	Carter's widow	Scirrhus of breast	16- 6-07 39 Cobden Street
6	F	73	Tailor's wife	Morbus cordis	4-10-09 25 Midland Street
8	F	46	Stone quarrier's wife	Carcinoma uteri	15- 2-09 19 Warwick Street
10	M	59	Joiner	Acute pleuro pneumonia	4-10-09 67 Cathcart Street
11	M	16	Labourer's son	Gangrene of right lung	5-10-09 6K Queens Buildings
12	F	65	Ironsmith's widow	Carcinoma of rectum	8- 7-09 2 Back Camden St
12	M	7	Labourer's son	Pyæmia	12-10-09 31 Osmond Street
11	F	43	Charwoman	Chronic cardiac disease	11-10-09 3 Anglesea Terrace
11	M	67	General labourer	Morbus cordis	16- 7-04 Birkenhead
17	M	36	Wax chandler	General tuberculosis	13-10-09 24 Crofton Road
15	F	71	Carter's widow	Cerebral softening	14- 5-09 91 Brook Street
15	F	38	Charwoman	Phthisis pulmonalis	14- 7-09 19 Oakfield View
19	M	42	General labourer	Epilepsy	3- 2-02 21 Lowther Street
19	F	45	Labourer's wife	Pulmonary phthisis	7- 9-09 3 in 23 Fox Street
24	F	30	Carter's wife	Pulmonary phthisis	24- 9-09 8 Laxey Terrace
24	M	57	Dock labourer	Morbus cordis	10- 5-07 31 Old Bidston Road
25	F	52	Labourer's widow	Mitral stenosis	20-10-09 121 Wood Street
26	F	39	Iron driller's wife	Pulmonary phthisis	12-10-09 13 Davies Street
27	M	47	General labourer	Pulmonary phthisis	25- 9-09 12 Gladstone Street
29	F	46	Labourer's wife	Chronic pancreatitis (PM)	26-10-09 8c Queens buildings
Nov. 1	F	34	Quartermaster's wife	Bronchitis and asthma	27-10-09 21 Taylor Street
5	F	70	Spinster, domestic servant	Cerebral softening	29- 6-09 50 George Street
5	M	31	Golf caddy master	Acute nephritis	2-11-09 11K Queens Buildings
6	M	35	Coalheaver	Phthisis pulmonalis	2-11-09 34 Grosvenor Street
9	M	51	Grocer's assistant	Spastic paraplegia	4-12-05 18 Francis avenue
10	F	35	Butcher's wife	Miscarriage	2-11-09 34 Water Street
6	F	79	Labourer's widow	Senility	27- 6-02 14 Laxey Terrace
7	F	9m	Dom. servant's daughter	Broncho-pneumonia	30- 1-09 56 Church Road
15	M	52	Boilermaker	Hemiplegia	31- 7-08 92 Exmouth Street
15	M	50	General labourer	Malig. Dis. of Stomach	8-10-07 3 Laxey Terrace
11	F	60	Fireman's wife	Bronchitis	22- 5-09 77 Cleveland Street
15	F	62	Labourer's wife	Senility	28-11-07 17 Ivy Street
16	F	50	Widow	Nephritis	15-11-09 1 Hughes Buildings
17	M	74	General labourer	Carcinoma of face	13-11-09 55 Bk. St Anne Street
18	M	68	General labourer	Morbus cordis	13- 8-09 50 George Street
23	F	70	Labourer's widow	Senility	3- 6-09 23 Pleasant Street
23	M	70	Dock labourer	Debility	28-12-09 6 Roberts Street
25	M	35	Fitter's labourer	Phthisis pulmonalis	3-11-09 125 Bridge Street
25	M	52	General labourer	Acute pneumonia	23-11-09 132 Beckwith Street
25	M	63	Carter	Nephritis	3- 9-06 17 Waterloo Place
26	F	80	Labourer's wife	Rheumatoid Arthritis	4- 4-06 30 Field Street
27	F	21	Labourer's daughter	General tuberculosis	4-11-09 43 Back St Anne St.

SUPPLEMENT TO TABLE V.—Continued.

Date	Sex	Age	Occupation, etc.	Cause of Death.	Date and address of deceased when admitted.	
1909						
Nov. 28	M	67	Cooper.....	Paralysis.....	23- 7-09	3 Nelson Road
27	F	63	Iron driller's wife.....	Double mitral disease	2-11-09	42 Queen Street
28	F	80	Labourer's wife.....	Bronchitis.....	1- 9-09	108 Oliver Street
Dec. 8	F	27	Labourer's wife.....	Thrombosis of Saph. Vein	27-11-09	9 Barnston Street
8	F	63	Joiner's wife.....	Morbus cordis.....	1-12-09	31 Egerton Street
3	M	76	Ship's cook.....	Apoplexy.....	5-11-03	32 Orange Road
9	M	31	Joiner.....	Diabetes mellitus.....	15-11-09	65 Corporation Road
9	F	60	Labourer's wife.....	Senility.....	22- 5-08	28 Flamank Street
17	M	20	Boiler cleaner.....	Pyæmia asthenia.....	5- 5-09	95 Borough Road
20	M	84	Butcher.....	Cerebral hæmorrhage....	9- 5-95	142 Chester Street
20	M	81	Joiner.....	Bronchitis.....	22-12-05	12 Mount grove
22	F	72	Warehouseman's widow .	Senility.....	30- 1-08	13 Booth Street
21	F	83	Labourer's widow.....	Senility.....	13-10-06	7 Moon Street
25	M	54	Labourer.....	Epilepsy.....	22- 1-06	9 St. Paul's Road
30	M	14	Labourer's son.....	Phthisis pulmonalis.....	3-12-09	8 Elizabeth Place
29	F	69	Ship Steward's widow....	Carcinoma of liver.....	16-11-09	45 Wood Street
29	F	49	Labourer's widow.....	Mitral incompetence....	27-12-09	19 Eldon Place

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is arranged in several lines and appears to be a list or a set of instructions, but the characters are too light to transcribe accurately.

