

[Report 1910] / Medical Officer of Health, Birkenhead County Borough.

Contributors

Birkenhead (England). County Borough Council.

Publication/Creation

1910

Persistent URL

<https://wellcomecollection.org/works/kg9an2py>

License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution license.

This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>



REPORT
ON THE
SANITARY CONDITION
OF THE
County Borough
OF
Birkenhead,
FOR THE YEAR 1910,

BY

R. SYDNEY-MARSDEN,

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

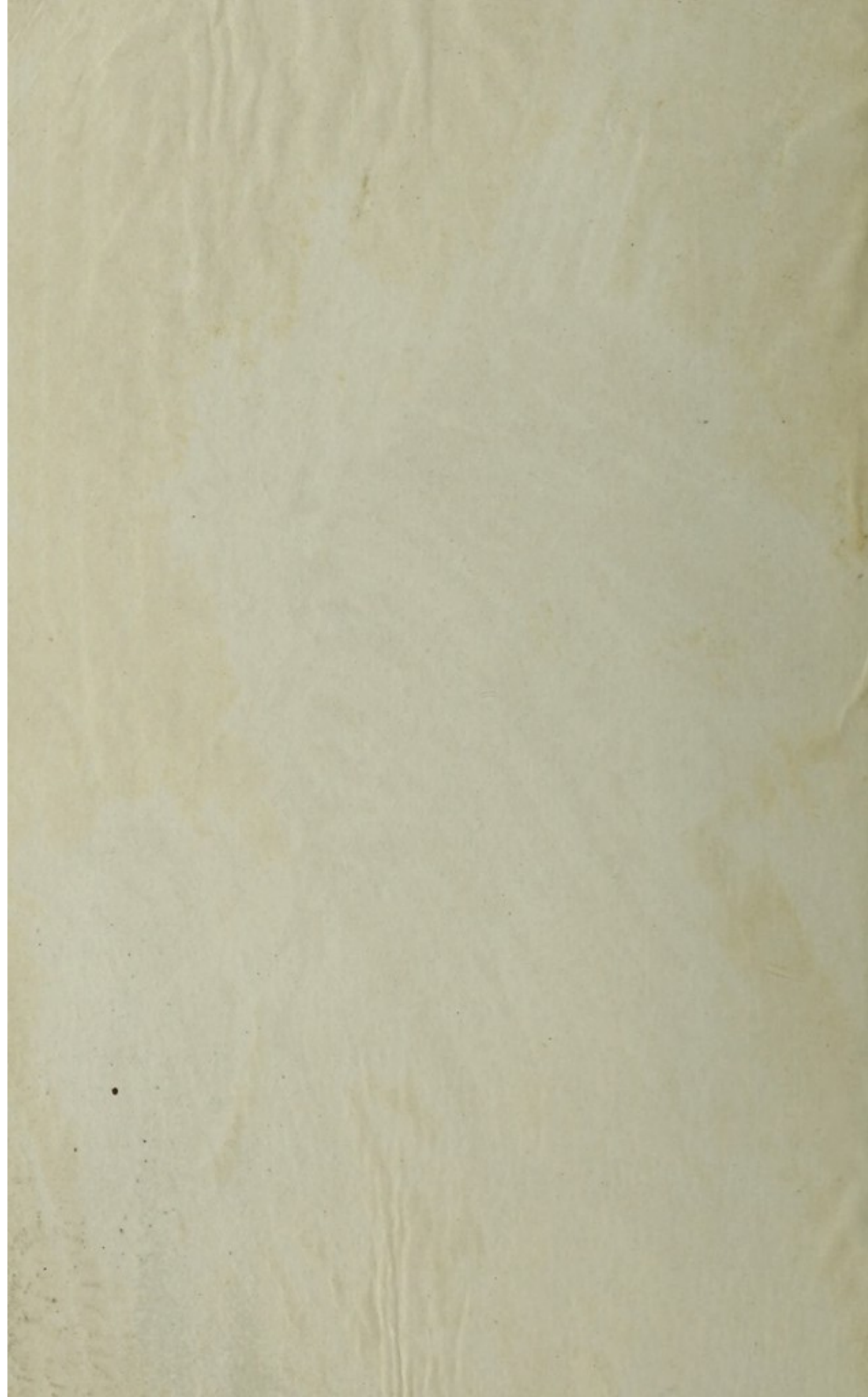
Medical Officer of Health.

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. Fellow and Member of the Council of the Incorporated Institute of Hygiene. School Medical Officer. Physician Superintendent of Birkenhead Hospital for Infectious Diseases, and of the Smallpox Hospital, and Ferry Surgeon, etc.

BIRKENHEAD:

WILSON & JONES, PRINTERS, &C., 92 HAMILTON STREET,

1911.





REPORT
ON THE
SANITARY CONDITION
OF THE
County Borough
of
Gickenheden,
FOR THE YEAR 1910.

R. SYDNEY MARGDEN,

Sanitary Engineer, and Medical Officer of Health.

Printed and Published by
J. H. B. & Co., 10, Abchurch Lane, London, E.C. 4.
1911.

ALL RIGHTS RESERVED.

Warranted to be a true and correct copy.





REPORT
ON THE
SANITARY CONDITION
OF THE
County Borough
OF
Birkenhead,
FOR THE YEAR 1910,

BY

R. SYDNEY-MARSDEN,

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

Medical Officer of Health.

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. Fellow and Member of the Council of the Incorporated Institute of Hygiene. School Medical Officer. Physician Superintendent of Birkenhead Hospital for Infectious Diseases, and of the Smallpox Hospital, and Ferry Surgeon, etc.

BIRKENHEAD:

WILSON & JONES, PRINTERS, &C., 92 HAMILTON STREET,

1911.

HEALTH COMMITTEE

OF THE

BIRKENHEAD TOWN COUNCIL,

1910-11.

†*MR. ALDERMAN E. G. MASON, J.P., CHAIRMAN.

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

†*MR. ALDERMAN H. L. PEARSON, J.P., M.R.C.S., &c.

MR. COUNCILLOR THOMAS TICKLE BAINES.

†*MR. COUNCILLOR MICHAEL BYRNE.

MR. COUNCILLOR H. H. CRUTCHLEY.

MR. COUNCILLOR H. G. F. DAWSON, L.R.C.P. & S.I.

MR. COUNCILLOR W. W. KELLY.

*MR. COUNCILLOR DAVID JOSEPH KENNY.

MR. COUNCILLOR LUKE LEES, JUNR.

MR. COUNCILLOR SAMUEL VAUGHAN.

MR. COUNCILLOR HERBERT WILLIAMS.

AND

HIS WORSHIP THE MAYOR.

(A. W. WILLMER, 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,
1910.

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, JOHN R. KNOWLES,
ROWLAND E. JONES.

Inspector of Meat, Fish, and Slaughter Houses.

*JOHN M. CARNIE.

District Sanitary Inspectors.

*JOHN LEE.

*H. T. TAYLOR.

*W. H. TILSTON.

*JOSEPH CROSHAW.

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.

CONTENTS.

	PAGE		PAGE
Area and Population of Birkenhead..	23	Infant Mortality	29
Acts of Parliament—		Inquests	33
Factory and Workshops Acts ..	12	Laundries, Inspection of ..	13
Shop Hours Act, 1892, 1895 & 1904	13	Lodging Houses, Inspection of ..	11
Hair Dressers Shops Order ..	13	Meat Inspection	17
Infectious Disease (Prov.) Act, 1890	17	Meteorological Results	20
Seats for Shop Assistants Act 1899	13	Milk houses	20
Housing of the Working Classes Act	49	Estimated Increase of Population ..	27
Sale of Food and Drugs Act, &c. ..	18	New Houses, Number of	25
Midwives Act, 1902	16	Notification of Infectious Diseases ..	22
Cleansing of Persons Act, 1897 ..	16	Nuisances, Summary of, &c... ..	9
Contagious Diseases (Animals) Act	20	Population—Census Returns.. ..	32
Bakehouse Inspection.. .. .	13	Rainfall at Bidston	21
Births and Deaths in Birkenhead ..	27	Statistics, Short Summary	6
Birth and Death Rates of 43 Great		Smoke Nuisances	11
Towns in England, 1910	31	Smallpox	23
Death Causes, Classification of ..	34	Smith (E.P.) Convalescent Fund ..	43
Deaths not Certified	38	Tabular Statements	33
,, Percentage of at Certain Ages		Tuberculosis Statistics	37
to Total Deaths	34	Vital and Mortal Statistics for the Year	23
,, In each Ward of the Borough	39	Zymotic Diseases, Deaths from ..	35
,, Zymotic	35	Zymotic Diseases (chief), Relative	
District Inspection	10	Fatality of	36
Fever Hospital, Statistics of	41	Zymotic Diseases, Prevalence of ..	21
Illegitimacy Statistics	40	Zymotic Diseases Notified, 1896-1910	22

APPENDIX.

Special Tables, and Statistical Tables I., II., III., IV. and V.

*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 Nineteenth Report to the Health Committee on the Health of Birkenhead, viz., that for the year 1910.

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,

June 10th, 1911.

COUNTY BOROUGH OF BIRKENHEAD

DURING 1910.

SHORT SUMMARY.

Area in Acres	.....	3,850, or a little more than 6 square miles.
Population (at Midsummer)	.....	129,227
Rateable Value	.....	£677,662
1d. in the £ yielded for General Purposes	.....	£2,640
1d. in the £ yielded for Sanitary purposes	.....	£2,440
Number of Persons per Acre (Density of Population)		33·5
Number of Persons per House at time of Census	.....	5·6
Birth Rate per 1,000 living	.....	28·86
Death Rate	do.	15·4
Zymotic Death Rate per 1,000 living	.....	1·9
Average Death Rate last 10 years	.....	16·5
Deaths of Children under 1 year of age to 1,000 Births		135
Percentage of Uncertified Deaths	.....	0·6

THE SANITARY CONDITION
OF THE
COUNTY BOROUGH OF BIRKENHEAD
DURING 1910.

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

In presenting my Nineteenth Annual Report on the Sanitary Condition of Birkenhead which deals with the year 1910, I have adhered to my former custom of detailing minutely the work done by the different branches of the Public Health Department, and this will be found to have been as thorough and complete as usual.

The Health of the Borough as estimated by the general mortality was in a satisfactory condition, the Death rate of 15·4 per 1,000 being one of the lowest yet recorded, and compares favourably with that of the 24 largest towns, of which Birkenhead is one.

In the chapter dealing with the vital statistics of the Borough considerable alterations have been found necessary owing to the recent census returns altering considerably the previous estimates, and full details will be found on this matter in the later pages. It is this also which has caused some delay in the printing of the report.

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 1901-1910 it was 16·5, and in 1910 it was 15·4. It is obvious, therefore, that the death rate of the Borough has considerably declined.

The birth rate for the year, 28·86, is satisfactory, being one of the highest rates in the country and higher than the average (25·0) for the 75 provincial towns. The average birth rate in the Borough for the last ten years being 30·5, or 1·6 higher than for 1910.

The Infantile death rate in Birkenhead was considered last year—it is not excessive. In 1910 it was 135 per 1,000 births, one of the lowest rates recorded for the Borough, and 10 below the average of the last 10 years (145), showing a gradual but steady improvement.

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 1910.

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, &c., 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 1910 is as follows:—

	1910.
Number of nuisances reported	7445
Number of formal notices given	2870
Number abated after formal notice and without proceedings	7445
Number of cases in which proceedings were taken for ordinary nuisances	0
Number abated after proceedings... ..	0
House disinfecting notices... ..	299
Nuisances at houses let in lodgings	227
Nuisances at common lodging houses	25
Notices for cleansing of filthy houses	2

A brief statement of the other measures taken in 1910 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	301
Matters reported to Water Engineer	166
Houses or parts of houses specially disinfected by formalin or other disinfectants	659
Notice to whitewash and efficiently cleanse milk- houses, cowsheds and dairies, given and complied with	375
Offensive privies ordered for conversion into water- closets	2

Parcels of infected bedding and clothes disinfected at the Disinfecting House	740
Parcels of infected or discarded bedding and clothes destroyed	426
Carcases of dogs and cats &c. removed from pools or waste land and buried	36
Deposits of putrid fish and other objectionable refuse removed	2
Total	2707

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	136
Number of smoke tests applied to drains of premises reconstructed under the supervision of this Department ...	190
Number of water tests applied to drains. ...	156
Number of smoke tests applied to the drains of new buildings, in conjunction with the Borough Surveyor's Department	245

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 1910.

					Number of Visits and Revisits made to Insanitary Property.
District I.—Inspector Croshaw	...	...	...	...	5038
„ II.— „ Lee	...	...	...	...	4007
„ III.— „ H. T. Taylor	...	...	...	...	4336
„ IV.— „ W. H. Tilston	...	...	...	...	5941
Disinfecting Inspector Isaac Taylor	...	...	...	...	3920
Total					23242

Smoke Nuisances.—Observations were taken of the smoke emitted from the factory and other chimneys of the Borough during the year 1910. 1 notice was served for the abatement of a smoke nuisance, and 3 notices were served to raise chimneys.

Inspection of School Premises.

Working in conjunction with the Education Department, I had 34 schools specially examined by the District Inspectors and reported thereon to the Education Committee.

5 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 1910 by the Inspector of Common Lodging Houses and Houses let in Lodgings, viz:—

REGISTERED COMMON LODGING HOUSES.

Day Inspections	...	...	...	...	...	4708
Night Inspections	..	...	...	...	...	616

The total number of registered lodging houses is 18.

REGISTERED HOUSES LET IN LODGINGS.

Day Inspections	...	...	...	...	...	3398
Night Inspections	...	...	...	...	...	230

The total number of houses let in lodgings on the register at the end of 1910 was 672.

FACTORY AND WORKSHOP ACTS,

1901 and 1907.

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:—

845 visits have been made to workshops.

306 visits have been made to bakehouses.

78 visits have been made to workplaces.

95 visits have been made to homeworkers' premises.

40 workshops, including 6 bakehouses, have been placed on the register during the year, making a total of 416 up to the end of 1910, of which 61 are bakehouses and 44 are confectioners' shops.

48 workshops have been closed.

4 workshops have been transferred to more suitable premises.

133 nuisances in connection with workshops have been reported and abated.

19 notices have been served for the abatement of nuisance arising out of defective drainage, and 8 for inefficient ventilation.

28 notices to cleanse and limewash the workshops have been served and complied with.

214 occupiers of workshops have limewashed their premises under inspection, but without waiting for the formal notice.

1 case of overcrowding has been reported during the year.

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

18 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.—241 visits were made during the year to the 58 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 306 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 664 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.]

93 premises have been visited under this Act, and 175 visits made during the year ending 1910.

SHOP HOURS ACT, 1904

CLOSING ORDER WITH RESPECT TO HAIRDRESSERS.

In connection with this Order, 1336 visits have been made. No summons were issued for an infringement of this Order.

Administration of the Factory and Workshop Acts, 1901 & 1907.

IN CONNECTION WITH

Factories, Workshops, Laundries, Workplaces and
Homework.

1. 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) ..	28	2	—
Workshops (including Workshop Laundries)	767	53	—
Workplaces (other than Outworkers' premises included in Part 3 of this Report) ..	78	—	—
Total	873	55	—

2. DEFECTS FOUND.

Particulars. (1)	Number of Defects			Number of Prosecutions. (5)
	Found (2)	Remed'd (3)	Referred to H.M. Inspector (4)	
Nuisances under the Public Health Acts :—				
Want of cleanliness.. .. .	28	28	—	—
Want of ventilation.. .. .	8	8	—	—
Overcrowding	1	1	—	—
Want of drainage of floors	3	3	—	—
Other Nuisances	72	72	—	—
Sanitary accommodation { insufficient	Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted, and the standard of sufficiency enforced is in accordance 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)	21	21	—	—
Total	133	133	—	—

3. HOME WORK.

NATURE OF WORK.*	OUTWORKERS' LISTS, SECTION 107.										OUTWORK IN UNWHOLE-SOME PREMISES, SECTION 108.				OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.			
	Lists received from Employers.					Prosecutions.					Number of Inspections of Outworkers' premises.				Instances.			
	Twice in the year.		Once in the year.		Out-workers	Numbers of Outworkers received from other Councils.	Numbers of Addresses of Outworkers forwarded to other Councils.	Failing to keep or permit inspection of lists.	Failing to send lists.	No prosecutions have been taken, but in several instances employers were written to and the lists subsequently sent in.	Instances.	Notices served.	Prosecutions.	Instances.	Orders made (s. 110).	Prosecutions Sections 109, 110.		
	2	3	4	5														
(1) Wearing Apparel -	+	+				6	7	8	9		10	11	12	13	14	15	16	
(2) making, etc. ..	36	69	7	9		16	18				95							
[2] cleaning & washing	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
Furniture & upholstery	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL ..	36	69	7	9		16	18				95							

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 outworkers' 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	61	Matters notified to H.M. Inspector of Factories:— Failure to affix Abstract of the Factory and Workshop Act, (s. 133) Notified by H.M. Inspector Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act, (s. 5) Other		18 23
Confectioners	44			
Other Workshops	311			
Total number of workshops on Register	416	Underground Bakehouses (s. 101):— Certificates granted during the year In use at the end of the year		None None 37

Important classes of workshops, such as houses may be enumerated here.

These matters were attended to at the time.

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 1910 some 64 midwives had entered their names on the local register as practising in the borough, being 5 more than in 1909, 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 64, two died and two of them subsequently left the district, and their names have been removed from the register accordingly. Thirteen midwives gave notice of change of address.

During the year I received only three complaints against midwives. 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 15 midwives on minor matters where no complaint had been made.

Notices were received from midwives of 40 still births (22 male and 18 female) having occurred; and 36 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 25 midwives.

I received great assistance in connection with enquiries under this Act from the Female Health Visitors of the Birkenhead Society for the Prevention of Cruelty to Children, and ten special reports were made by them to me in important cases.

CLEANSING OF PERSONS ACT, 1897.

No-one applied to be cleansed under the provisions of this Act, but special baths are provided for this purpose at the disinfecting station in Corporation Road.

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, &c., unfit for human food, seized and destroyed during 1910.

The total weight of the meat destroyed amounted to 70,146½ lbs, but of this a large proportion was voluntarily surrendered by the butchers, they having called the Inspector's attention to it.

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 1910 was 90,330, and 304 sheep; and 14 oxen were killed at Wallasey Stage, but nothing was killed at No. 4 Shed, Wallasey, within our jurisdiction. At the Abattoirs in New Chester Road there were killed 1894 beasts, 6027 sheep, 5409 lambs, 442 calves, and 3596 pigs; a total at the Abattoirs of 17,368.

In addition to the above 1163-lbs of potatoes were seized and destroyed as unfit for food.

Tuberculosis.

The following is a Statement of the number of cases dealt with during the year.

	AT WOODSIDE.	THE ABATTOIRS.		Weighing lbs.
		Cattle	Pigs	
No. where whole carcasses taken....	6	7	7	9340
No. where part only was taken.....	7	1	..	1955
No. where of al only was taken	5	4	..	716
TOTAL.....	18	12	7	12011

**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 1910.

The total number of samples taken during the year was 236, viz.—Milk 98, Butter 50, Lard 16, Cheese 15, Beer 12, Lard 8, Coffee 4, Cream 4, Pepper 4, Sweets 4, Malt Vinegar 3, Brandy 2, Compound Liquorice Powder 2, Cream of Tartar 2, Gin 2, Ground Rice 2, Honey 2, Paregoric 2, Port Wine 2, Rum 2, Scotch Whisky 2, Sweet Spirit of Nitre 2, Tartaric Acid 2, Irish Whisky 2, Apricot Jam 1, Black Currant Jam 1, Chocolate 1, Cream Cheese 1, Damson Jam 1, Gooseberry Jam 1, Ground Ginger 1, Potted Shrimps 1.

Out of the above, 8 samples of Milk, 3 of Butter, 1 of Brandy, 1 of Coffee and 1 of Sweet Spirit of Nitre were reported adulterated, and proceedings were taken in 5 cases of Milk, 2 of Butter, 1 of Brandy, 1 of coffee and 1 of Sweet Spirit of Nitre.

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

Included in the 236 samples purchased during the year, 10 samples were taken informally and analysed and found correct, with the exception of Butter sample No. 161, which was reported to contain over 10 per cent of Foreign Fat. In this case, upon a further sample being taken formally, the Butter was reported to be pure, and the premises are being kept under observation.

In addition to the samples analysed, 1 sample of coffee, 2 of Margarine and 4 of Lard 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.
1910.				£ s. d.	£ s. d.
June 30	82	Milk ..	3 % added of water ..	Withdrawn (vide note be'low)	0 16 6
" "	83	Milk ..	4 % added of water ..		1 0 0
" "	86	Milk ..	Deficient of 10 % of fat		
" "	88	Milk ..	Deficient of 13 % of fat	0 10 0	0 17 0
" "	90	Milk ..	Deficient of 20 % of fat	1 0 0	0 19 0
December 31 .. .	184	Coffee ..	40 % of Chicory ..	Dismissed, with severe caution	
" "	202	Brandy ..	27 degrees under Proof or 2 deg. more than is allowed by Act of Parliament	0 10 0	0 17 0
" "	224	Butter ..	Margarine	0 10 0	0 17 0
" "	230	Sweet Spt of Nitre ..	Deficient 22 % of Ethyl Nitrite	Magistrates found sam- ple was deficient in 22 % of Ethyl Nitrite but Vendor sold it in same condition as when received and successfully relied on his warranty. Case dismissed.	

MARGARINE ACT, 1887.

The following proceedings have also been instituted under Section 6 of the Margarine Act, 1887.

June 30.. .. .	63	Butter ..	Margarine not labelled so as to be clearly visible to purchaser, and Margarine sold in an unlabelled paper wrapper	0 10 0	0 17 0
" "				0 10 0	0 6 6
December 31 .. .	224	Butter ..	Margarine not labelled so as to be clearly visible to purchaser, and Margarine sold in an unlabelled paper wrapper	..	0 3 0
" " .. .. .				..	0 3 0

NOTE.—In the case of Sample No. 86, reported to be deficient in fat to the extent of 10 per cent, the proceedings taken against the Shop-keeper were withdrawn, inasmuch as upon a sample No. 90 being taken in course of delivery from the Farmer supplying the Shop-keeper, the milk was found to be deficient in fat to the extent of 20 per cent. Proceedings were instituted against the Farmer, who was convicted and fined as above stated.

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 205, in addition there are 13 purveyors of milk, 9 cowsheds, and 52 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.

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.

1910				Mean Tempera- ture	Mean Barometer	Rainfall 1 ft. above ground
				°	Inches	Inches
January	..	..	..	39.1	29.769	2.168
February	..	..	..	41.8	29.513	2.369
March	..	..	..	43.6	30.124	0.640
April	..	..	..	45.6	29.803	2.339
May	..	..	..	52.0	29.894	2.070
June	..	..	..	58.3	29.879	2.601
July	..	..	..	58.5	29.852	3.027
August	..	..	..	59.3	29.819	3.492
September	..	..	..	55.7	30.244	0.460
October	..	..	..	51.8	30.029	2.538
November	..	..	..	40.0	29.606	4.194
December	..	..	..	44.4	29.624	2.687

Mean Barometer for the whole year=29.846 inches.

Mean Barometer for the past 40 years=29.922 inches.

Total amount of rainfall at Bidston. 1910=28.585 inches.

Number of wet days in the year 1910=227 days.

Average rainfall for last 40 years=28.600 inches.

Barometer.—The mean barometer of 1910 (29·846 inches) was lower than last year and 0·076 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 &c., will be found in Table IV.

Rainfall.—The rainfall of 1910, 28·585 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
1901	25·192	190
1902	25·566	200
1903	34·418	224
1904	25·175	196
1905	24·011	192
1906	28·076	196
1907	26·568	209
1908	28·902	190
1909	28·447	202
1910	28·585	227

Average rainfall for 40 years=28·6 inches.

The figures for the years 1867 to 1899 are given in my Report for 1904, and for 1886 to 1909 in my Report for the latter year.

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

PREVALENCE OF ZYMOTIC SICKNESS DURING 1910.

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 562 cases were notified during the year, being 353 less 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.

1910.	Smallpox	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Puerperal Fever	Fever	Cholera	Mem. Croup	Erysipelas	TOTAL
January ...	3	63	13	..	6	2	..	..	..	15	102
February	2	29	8	..	2	..	..	..	1	11	53
March .....	..	25	14	..	..	..	..	..	1	7	47
April	2	28	11	..	3	..	..	..	2	7	53
May .....	..	30	5	..	3	..	..	..	1	6	45
June .....	..	14	5	..	3	1	1	..	..	2	26
July .....	..	18	8	..	1	..	..	..	1	4	32
August .....	..	12	7	..	2	..	1	..	..	6	28
September ..	..	20	13	..	1	..	..	..	1	7	42
October .....	..	18	11	..	5	..	..	..	..	6	40
November....	..	19	18	..	3	..	..	..	3	7	50
December ....	..	15	17	..	1	..	..	..	..	11	44
	7	291	130	..	30	3	2	..	10	89	562

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

The statement is as follows :—

Year	Smallpox	Measles	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Fever	Mem. Croup	Cholera	Erysipelas	TOTAL
1896	..	2166	606	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	288	212	..	70	7	15	..	73	2953
1908	5	..	454	140	1	62	10	11	..	94	777
1909	1	..	644	132	1	46	13	17	..	61	915
1910	7	..	291	130	..	30	5	10	..	89	562

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

In addition to these there were three cases of cerebo-spinal meningitis notified.

Small-pox.

Seven cases of Small-pox were notified during the year. Of these 3 cases occurred in one house, and two cases in the Workhouse resulting from one of these cases—a special report was sent to the Local Government Board giving particulars of the cases at the time, and it is not necessary to go further into the matter again here. After the first case was recognised as a case of Small-pox, so complete were the precautions taken that no spread of the disease occurred in the town with the exception of the father and mother of the child, who slept with him in the same room. How the two cases came to get infected at the Workhouse it is not for me to say, as I am in no way responsible for that Institution. Subsequently two other cases were notified as being in the Workhouse; these had been sent in from Wallasey, and were returned to the Small-pox Hospital of that Borough.

VITAL AND MORTAL STATISTICS FOR THE YEAR.

Area.—The Borough has an area of 3850 acres, or a little more than six square miles.

Population.—The Census was taken in England and Wales on April 2nd, 1911, and the result as given in the Preliminary Report on the same showed the number of persons in Birkenhead to be 130,832, being 19,917 in excess of the number enumerated in the Census taken on April 1st, 1901. The complete Census Report has not yet been issued.

For the purposes of this Annual Report an estimate is required of the number of persons living at Midsummer,

1910, and I have estimated that on the 30th June of that year the population was 129,227, and on this estimate have based the following statistics.

Previous to the taking of the Census the estimate of the population of the Borough given by the Registrar-General, based on the Census of 1901 was 122,232 on the 30th June, 1910, or about 6995 less than the actual number. This estimate would have been accurate had the population increased at the same rate during the decennium 1901-1911 as it did during the decennium 1891-1901. The increase in the population during 1891-1901 was 11,058, *i.e.*, 11·08 per cent, while during 1901-1911 it was 19,917, *i.e.*, 17·95 per cent.

At the time of the 1901 Census the number of inhabited houses was 19,744, giving an average number of persons per house of 5·6; but I have not yet got the return of the number of houses in the Borough at the time of the 1911 Census.

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 1910 was 5610, and the number demolished in the same period was 395, a net gain of 5215, giving a total for the Borough at end of the year 26,387. 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, 1910 :—

District	Half-year ended 31st Dec., 1910.					Half-year ended 30th June, 1910.				
	Private Houses	Shops	Cot-tages.	Dock Cot-tages	Total	Private Houses	Shops	Cot-tages	Dock Cot-tages	Total
Birkenhead ..	73	149	536	..	758	140	84	622	..	846
Claughton and Oxtan ...	86	17	79	73	255	89	8	66	77	240
Tranmere and Bebington..	153	48	237	..	438	109	29	294	..	432
Totals	312	214	852	73	1451	338	121	982	77	1518

Total uninhabited and unoccupied property,
 31st December, 19091566, decrease of 115
 during 1910

The approximate estimate of houses of all
 descriptions within the Borough is.....25762

The approximate estimate of schoolrooms,
 warehouses, etc., is1479

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
" " " " 1910	...	...	255
<hr/>			
Total ..	...	...	5610
<hr/>			

The number of houses demolished since taking of Census to end of 1909 was 388, and 7 were taken down during 1910, a total of 395.

From January 1st, 1901, to December 31st, 1910, there were 36,606 births in the Borough and 19,833 deaths, giving an excess of 16,713 births over deaths as representing the natural increase. But the *actual* increase of population during ten years was 19,917, a difference of 3204, so that this number represents the immigration into the town, a healthy sign of progress.

There is no doubt that a considerable population has also spread itself into the districts just over our boundaries in the townships of Bidston, Noctorum, Prenton, and Higher and Lower Bebington, and these townships are practically a part of the Borough of Birkenhead.

The population of these townships in 1901 was 11,039, and at the recent census it was 15,540 an increase of 4,501.

The Health returns and the Birth and Death rates for the Borough are in every way satisfactory, and it will be a matter of gratification 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 continued improvement in the public health.

It must be remembered 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 following table gives the estimated population of the Borough during the years 1911-1920, provided the rate of increase continues as during the last ten years.

Year.	Midsummer Population.	Year.	Midsummer Population.
1911	131377	1916	142686
1912	133565	1917	145062
1913	135789	1918	147478
1914	138049	1919	149934
1915	140348	1920	152430

Births and Deaths in Birkenhead.—During the year 1910 the returns of the local registrars recorded 3730 births and 1993 deaths in the Borough of Birkenhead. The natural increase in the population in 1910 was therefore 1737. Of the births 1911 were males and 1819 were females; of the deaths 1040 were males and 953 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.		1910		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	237	245	248	243	292	289	252	256	1029	1033	2062
Claughton	17	28	38	34	29	18	23	18	107	98	205
Tranmere	166	150	176	149	169	174	176	140	687	613	1300
Oxton	5	6	1	7	5	7	10	4	21	24	45
Rebington	7	5	6	9	5	7	15	3	33	24	57
Union Hospital	8	7	12	6	2	6	12	8	34	27	61
Birkenhead Borough ..	440	441	481	448	502	501	488	429	1911	1819	3730

DEATHS.	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1910		Total.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	152	159	108	92	136	108	125	113	521	472	993
Claughton	8	7	11	11	8	3	11	10	38	31	69
Tranmere	75	68	52	58	69	71	75	83	271	280	551
Oxton	5	7	6	6	3	5	1	4	15	22	37
Bebington	6	5	11	5	4	3	14	5	35	18	53
Union Hospital	41	33	44	25	30	25	45	47	160	130	290
Birkenhead Borough	287	279	232	197	250	215	271	262	1040	953	1993

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 1910. These figures for the years 1878 to 1899 were given in my reports for the years 1898 and 1899. This table has been revised since the figures of the 1911 census have been published.

Year	Revised 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	110,042	28.58	3428	31.16	1965	17.8	209	1.8
1901	111,377	28.90	3230	29.00	2061	18.5	353	3.1
1902	113,231	29.41	3646	32.19	1989	17.5	270	2.3
1903	115,117	29.92	3516	30.54	1937	16.8	260	2.2
1904	117,034	30.39	3805	32.51	2282	19.4	465	3.9
1905	118,982	30.90	3707	31.15	1833	15.4	239	2.0
1906	120,964	31.41	3733	30.86	2078	17.1	371	3.0
1907	122,978	31.94	3727	30.30	1829	14.8	253	2.0
1908	125,026	32.47	3775	30.19	1929	15.4	267	2.1
1909	127,108	33.01	3737	29.40	1930	15.1	180	1.4
1910	129,227	33.56	3730	28.86	1993	15.4	251	1.9

The proportion of Deaths of Infants under One year to the Births registered.—The proportion in Birkenhead Borough in 1910 was equal to 135 per 1000. It varied greatly in the different towns in the N.W. District. In Liverpool it was 139, Wallasey 86, Bootle 123, Stockport 137, Blackburn 136, Burnley 168, Bolton 116, and so on. The full returns have not yet been issued and therefore cannot be compared.

Infantile Mortality during 10 years,
1901 to 1910.

Year.	No. of Births.	Total Deaths of Infants under 1 year.	Deaths from Diarrhoea under 1 year.	Total Deaths of Infants per 1000 Births.	Deaths of Infants from Diarrhoea per 1000 Births.
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	3·8
1910	3730	507	46	135	15·0

Causes of Infantile Mortality during the past ten years (1901 to 1910.)

(DEATHS UNDER ONE YEAR.)

Cause of Death.	YEARS.									
	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910
Chicken-pox .....	..	..	2	..	1	..	..	1	2	..
Measles	8	11	4	30	5	1	42	11	7	7
Scarlet Fever .....	..	2	1	..	1	..	1	..	1	..
Diphtheria and Mem. Croup..	1	2	..	..	3	4	..	1	1	..
Whooping Cough	23	33	26	42	..	33	7	27	6	27
Diarrhoea	125	50	104	136	88	152	30	67	33	56
Enteritis	55	25	44	23	19	24	8	15	24	42
Gastritis	7	10	7	14	13	7	7	12	9	11
Premature Birth	45	51	53	77	71	68	61	81	58	65
Congenital Defects .....	..	3	2	3	10	13	12	17	15	18
Teething	4	12	9	12	3	5	6	2	4	5
Inanition and Privation	2	12	7	16	9	5	7	11	21	21
Debility	109	90	112	91	63	83	78	64	82	66
Tabes Mesenterica.....	7	8	5	7	11	9	10	11	15	5
Other Tubercular Diseases....	1	19	7	12	12	9	9	12	12	16
Erysipelas .....	..	1	2	2	1	1	..	..	2	1
Syphilis.....	2	4	4	3	..	4	1	3	2	4
Rickets .....	..	1	1	..	2	1	2	..	2	..
Meningitis (not tuberculous)..	17	17	14	9	12	11	7	11	9	5
Convulsions.....	41	29	37	31	24	23	18	15	13	21
Bronchitis	46	52	29	49	24	16	25	47	35	39
Pneumonia	26	57	31	59	47	45	35	51	55	50
Heart Disease.....	16	14	7	9	7	2	2	7	9	4
Suffocation, overlaying, etc., ..	4	7	3	8	16	5	9	16	10	8
Other Causes	41	42	43	55	39	44	33	34	30	36
Total Deaths per annum....	580	552	548	688	481	535	410	516	458	597
No. of Births per annum....	3230	3646	3516	3805	3707	3733	3727	3775	3737	3730
Death Rate per 1000 per annum per 1000 Births	179	151	155	180	129	151	110	136	122	135

Average Death Rate per 1000 per annum, per 1000 Births for the 10 years 1901 to 1910,
equals 144.

Birth-rates and Death-rates in forty-three great towns in England.—In order that the birth-rates and death-rates of the Borough of Birkenhead in 1910 may be compared with the corresponding rates of the most populous cities and boroughs in England, the following table has been compiled from Returns kindly sent me by the Medical Officers of these towns. The table gives the revised *estimated* population of the forty-three large towns at Midsummer, 1910. For comparative purposes these figures are interesting, as they are all calculated on the same basis. (*See Table on page 31.*)

Table shewing revised Birth Rates and Death Rates
in the 43 great Towns.

Name of Town	Population at Census, 1911 preliminary	Revised Population Midsummer 1910	Revised Death Rate 1910	Revised Birth Rate 1910	Revised Zymotic Death Rate, 1910	Infantile Rate per 1000 Births
BIRKENHEAD	130832	129227	15·4	28·8	1·9	135
Bristol	357059	355775	12·7	23·2	0·6	90
Burnley	106337	105385	16·5	25·5	2·5	168
Coventry	106377	102000	11·4	26·2	0·7	86
Croydon	170451	166884	10·7	22·8	..	87
Huddersfield	107825	106820	14·7	20·3	1·0	99
Hull	278024	275192	15·4	29·1	1·9	135
Leeds	445568	441323	15·1	24·5	1·5	133
Liverpool	746566	743295	17·9	31·0	2·3	139
Manchester	714427	708954	16·0	27·1	1·8	132
Newcastle-on-Tyne	266671	234702	16·1	28·5	1·3	123
Norwich	121493	121000	13·0	24·0	0·7	103
Oldham	147495	146700	16·7	25·2	1·8	127
Plymouth	112042	111710	15·7	22·8	1·3	115
Wallasey	78514	77000	11·4	22·1	0·7	86
Wolverhampton	95333	No return	..	..	..	..
Barrow-in-Furness	63775	62701	14·9	25·7	2·1	124
Birmingham	525960	No return	..	..	..	..
Blackburn	133064	132775	14·6	22·2	1·4	136
Bolton	180885	179934	14·2	24·3	1·0	116
Bootle	69881	No return	..	..	..	..
Bournemouth	78677	76626	11·3	16·4	0·2	72
Bradford	288505	257851	14·3	19·0	1·3	127
York	82297	81970	12·8	24·2	0·7	94
Sunderland	151162	No return	..	..	..	..
Stoke-on-Trent	231553	233003	17·1	32·5	1·9	149
Wigan	89171	88497	15·3	30·9	1·4	133
West Ham	289102	287471	13·1	30·0	1·6	100
Warrington	72177	71582	15·9	30·9	1·2	113
Southampton	119039	117973	12·4	24·9	0·7	79
St. Helens	96566	95850	14·6	32·9	1·2	121
Reading	75214	74985	11·2	22·3	0·4	75
Sheffield	454653	451065	14·2	28·1	3·5	128
Derby	123433	122648	11·7	25·6	0·8	85
Brighton	131250	No return	..	..	..	..
Devonport	81694	No return	..	..	..	..
Leicester	227242	No return	..	..	..	..
Nottingham	259942	No return	..	..	..	..
Portsmouth	231165	No return	..	..	..	..
Salford	231380	No return	..	..	..	..
Preston	117113	No return	..	..	..	..
Rochdale	91437	90795	13·8	21·8	0·7	103
Stockport	108993	107663	16·6	24·9	1·5	137

For this year the following information* may be of interest

THE CENSUS, 1911.

England and Wales.

The summary of the figures obtained at the recent Census, according to the preliminary examination of the returns, was issued with the Parliamentary papers of May 25th. The figures are annexed to an answer by Mr. Burns, the President of the Local Government Board, to a question by Dr. Addison. Mr. Burns points out in his reply that the figures for 1911 are subject to correction, being the provisional numbers derived from summaries furnished by the local Registration Officers. The following results are shown in Mr. Burns' statement:

The population of England and Wales has
increased since 1901 by ... 3,547,426

Equal to ... 10·91 per cent

The increase is made up as follows:

England ... 3,286,640

Wales ... 260,786

3,547,426

The 62 administrative counties show an
increase of ... 2,660,014

Equal to ... 11·80 per cent

The 75 county boroughs show an increase of 887,412

Equal to ... 8·89 per cent

In the County of London there is a decrease of 13,306

Equal to ... 0·29 per cent

In Greater London there is a increase of 684,867

Equal to ... 10·20 per cent

Previous Census Returns.

At the Census of 1901 the increase of population, as compared with the Census of

1891, was ... 3,525,318

Equal to ... 12·17 per cent

The present rate of increase, 10·91 per cent, is the lowest ever recorded since the first general Census was taken in 1801. The numbers and percentages on previous occasions were:

—			Population	Rate of Increase
1801	..	..	8,892,536	—
1811	..	..	10,164,256	14·00
1821	..	..	12,000,236	18·06
1831	..	..	13,896,797	15·80
1841	..	..	15,914,148	14·27
1851	..	..	17,927,609	12·65
1861	..	..	20,066,224	11·90
1871	..	..	22,712,266	13·21
1881	..	..	25,974,439	14·36
1891	..	..	29,002,525	11·65
1901	..	..	32,527,843	12·17
1911	..	..	36,075,269	10·91

* From British Medical Journal, 3rd June.

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 the deaths in the Birkenhead Union Hospital and Workhouse, etc.

Table I. shows the deaths registered in the whole Borough during 1910, 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 Oxton 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 1910, the deaths of infants under one

year of age accounted for 507, those over one year but under five years of age 273, children and young persons 119, adults 547, old people sixty years of age and upwards 547.

The relative proportion of deaths in 1910 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 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	16.00	6.02	2.30	0.75	0.80	1.55	1.15	0.80	1.25	2.10	2.80	4.16	4.81	5.77	2.40	0.55
Tranmere & Oxton	7.97	2.20	0.55	0.60	0.20	0.80	0.45	0.25	0.35	1.50	1.75	3.06	3.46	3.51	2.25	0.55
Bebington	0.30	0.15	..	..	..	0.05	0.05	0.05	..	0.10	0.20	0.20	0.55	0.65	0.20	0.15
Union Hospital and Workhouse	1.15	..	0.05	0.05	..	0.15	0.15	0.50	0.40	1.25	1.50	1.49	2.55	3.11	2.00	0.25
Birkenhead Borough	25.43	8.37	2.90	1.40	1.00	2.55	1.80	1.60	2.00	4.96	6.27	8.83	11.38	13.04	6.87	1.50

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 1910. 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 Tables 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 cachetic) 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 75 by what have been termed the chief zymotics (certain diseases belonging to the miasmatic order), viz., measles 34, scarlatina 5, diphtheria 19, membranous croup 4, fevers 11, and puerperal septicæmia 2. The remaining 176 were entered to what have been called minor zymotics (diseases less prevalent, less fatal, or less obviously zymotic in character), viz., whooping cough 64, erysipelas 5, influenza 21, diarrhœa 78, syphilis 5, and other zymotic diseases 3.

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
1901	...	45	8	24	57	...	24	162	...	0.40	0.07	0.21	0.51	...	0.21	1.45
1902	2	36	20	23	60	...	43	63	0.01	0.31	0.17	0.20	0.52	...	0.37	0.55
1903	6	9	21	9	39	...	15	129	0.05	0.07	0.18	0.07	0.33	...	0.13	1.11
1904	1	98	20	20	83	1	13	187	0.008	0.83	0.17	0.17	0.70	0.008	0.11	1.58
1905	...	32	28	22	1	...	6	115	...	0.27	0.23	0.18	0.008	...	0.05	0.96
1906	...	8	31	24	58	...	17	200	...	0.06	0.25	0.19	0.47	...	0.14	1.65
1907	...	129	10	21	16	...	11	42	...	1.04	0.08	0.17	0.13	...	0.08	0.34
1908	1	44	6	8	60	...	9	94	0.007	0.35	0.04	0.06	0.47	...	0.07	0.75
1909	...	41	17	14	15	...	5	42	...	0.32	0.13	0.11	0.11	...	0.03	0.33
1910	...	34	5	19	64	...	10	78	...	0.26	0.03	0.14	0.49	...	0.07	0.60

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

Year.	Population at Midsummer	Number of Deaths.									
		Total.		Tuberculosis of the Lung (including Phthisis)			Other Forms of Tuberculosis				
		Deaths	Death Rate	Males (all ages)	Rate per 1000	Females (all ages)	Rate per 1000	Males (all ages)	Rate per 1000	Females (all ages)	Rate per 1000
1900	110042	159	1.35	84	0.76	75	0.68	25	0.22	24	0.21
1901	111377	148	1.32	82	0.73	66	0.59	8	0.07	11	0.09
1902	113231	197	1.73	109	0.96	88	0.77	12	0.10	7	0.06
1903	115117	155	1.34	84	0.72	71	0.61	6	0.05	4	0.03
1904	117034	174	1.48	93	0.79	81	0.69	6	0.05	5	0.04
1905	118982	178	1.49	100	0.84	78	0.65	16	0.13	2	0.01
1906	120964	162	1.32	99	0.81	63	0.52	26	0.21	19	0.15
1907	122978	121	0.98	66	0.53	55	0.44	36	0.29	26	0.21
1908	125026	151	1.20	89	0.71	62	0.49	37	0.29	28	0.22
1909	127108	137	1.07	81	0.63	56	0.44	41	0.32	21	0.16
1910	129227	132	1.17	98	0.75	54	0.41	41	0.31	31	0.23
Totals	1311086	1734	1.31	985	0.74	749	0.57	254	0.18	178	0.12
										306	0.22

The Phthisis Death Rate for the last 10 years is 1.31 per 1000, equal to 170 deaths per year. The Phthisis Death Rate for 1910 is 1.17 per 1000, equal to 152 deaths per year; so that at least 18 lives were saved from this disease during the year, which would have died had the average rate of the last 10 years been maintained. It is gratifying to find the slow but steady decline in the Phthisical Death Rate which is taking place as the result of sanitary administration, and which we hope to still further reduce.

Inquests.—The number of inquests held during 1910 was 123, thus 6 per cent. of the sum of the deaths in the Borough formed the subject of official enquiries. Out of the 123 inquests held, none 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 persons' 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 1910, out of the 1,993 deaths registered, 13 were marked "not certified," that is 0·65 per cent. The causes of the 13 deaths were entered in accordance with the statements of persons giving information to the registrars as follows:—

Heart Disease	...	...	...	...	...	2
Old Age	...	...	...	...	...	2
Bronchitis	...	...	...	...	...	2
Debility	...	...	...	...	...	1
Convulsions...	...	...	...	...	...	1
Gastritis	...	...	...	...	...	1
Rupture of Blood-vessels	...	...	...	...	...	1
Premature Birth	...	...	...	...	...	1
Diarrhœa	...	...	...	...	...	1
Influenza	...	...	...	...	...	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, 0·65 per cent. as compared with 0·41 per cent. in 1909.

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 1910 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.

1910			Estimated Population at Midsummer, 1910.	Deaths from All Causes		Deaths from Zymotic Diseases		Death rate per annum.	Infantile Death Rates per 1000 Living
				M.	F.	M.	F.		
Cleveland	Ward	..	23160	183	172	28	36	15.32	4.7
Claughton	"	..	7815	38	31	3	3	8.82	2.1
Grange	"	..	26244	215	208	33	25	16.11	4.8
Argyle	"	..	14875	123	92	18	15	14.45	4.5
Oxton	"	..	4739	15	22	1	1	7.80	0.4
Egerton	"	..	16949	69	91	5	12	9.44	1.8
Clifton	"	..	23566	146	138	15	21	12.05	3.9
Mersey	"	..	7963	56	51	8	11	13.42	4.1
Bebington	"	..	3911	35	18	4	1	13.52	1.5
Birkenhead Borough in- cluding deaths in Union premises			129227	1040	953	120	131	15.42	3.9

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 1000 of births and per 1000 living, and statistics relative to the deaths of such children under one year of age.

Illegitimate Births and Deaths, 1910.

Registrar's Sub-District	Estimated Population 1910.	BIRTHS		ILLEGITIMATE BIRTHS		Total deaths of children under one year of age	Deaths of illegitimate children under one year of age	Percentage of deaths of illegitimates to total deaths under one year of age
		Legitimate	Illegitimate	to 1000 living	to 1000 births			
Birkenhead ..	64279	2000	62	0.96	30.00	392	20	6.62
Tranmere, Oxtown, Cloughton, and Bebington ..	64948	1584	84	1.29	53.03	205	20	9.75
Total	129227	3584	146	1.12	40.73	597	40	7.88

Illegitimacy.

	Births.				Total	Deaths of Illegitimates under 1 year				Total
	1 Qr.	2 Qr.	3 Qr.	4 Qr.		1 Qr.	2 Qr.	3 Qr.	4 Qr.	
Birkenhead ..	16	18	17	11	62	4	4	7	5	20
Tranmere	23	23	12	26	84	1	8	6	5	20
Totals....	39	41	29	37	146	5	12	13	10	40

HOUSING OF THE WORKING CLASSES ACTS, 1890 to 1909.

Under the provisions of these Acts during the year 1910, no action was taken.

I am, Gentlemen,

Your obedient servant.

R. SYDNEY-MARSDEN,

Medical Officer of Health

PUBLIC HEALTH DEPARTMENT,

TOWN HALL.

June 10th, 1911.

THE INFECTIOUS DISEASES HOSPITAL,
TOLLEMACHE ROAD.

Report for the Year 1910.

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 269; of these 236 were admitted during the year, and 33 remained in hospital from 1909. Out of those admitted 16 died, giving a death-rate of 6·7 per cent., a much higher percentage than usual. This was due to the unusual severity of some of the cases, and the small number of cases, which makes one death even considerably enlarge the percentage.

The following table gives a summary of the cases treated in the hospital during the year 1910, along with the results obtained.

DISEASES	M.	F.	Re-covered		Died	
			M.	F.	M.	F.
Scarlet Fever—remaining ..	11	19	11	19	..	..
admitted ..	80	86	77	86	3	..
Typhoid—remaining ..	1	2	1	2	..	..
admitted ..	3	4	3	1	..	3
Diphtheria—admitted ..	27	30	23	26	4	4
Laryngismus Stridulus ..	0	1	0	1	..	..
Tuberculosis	1	..	..	..	1	..
Chicken-pox	2	..	2	..	..	..
Cerebro-Spinal Meningitis ..	1	..	..	..	1	..
Total Treated..	126	142	117	135	9	7

Thus out of 236 cases admitted 16 died, a little more than 6.7 per cent.

A case of small-pox was sent in as scarlatina, and was returned to its home and ultimately died at the Port Sanitary Hospital at New Ferry.

During last year considerable alterations and additions were 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 &c., and is entirely distinct from the other hospital.

The following are the statistics regarding

The Smallpox Hospital, 1910.

Number of Patients.	M.	F.	Died.	
			M.	F.
Admitted 1910 ..	0	0	0	0
Total treated during year ..	0	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 benefitted by the fund during the year 1910.

February... .. M.H.

February.. .. E.W.

The fund is now regularly used as far as possible.

APPENDIX.

1—Vital Statistics of Whole District during 1910 and previous Ten years.

2—Vital Statistics of Separate Localities in 1910 and previous years.

3—Causes of and Ages of Death during 1910.

4—Deaths of Non-Residents in Public Institutions in Birkenhead during 1910, *not included* in Return.

5—Infantile Mortality during the year 1910.

TABLE I.—Deaths Registered in the County Borough of Birkenhead during the year ending December 31st, 1910, classified according to age.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the year ending December 31st, 1910.

TABLE III.—Weekly Condensed Register of Deaths for 1910.

TABLE IV.—Weekly Condensed Register of Meteorological Results for 1910.

TABLE V.—Street Register of Deaths—1910.

SUPPLEMENT TO TABLE V.—Return of Deaths in Birkenhead Union Hospital and Workhouse, registered in 1910.

Vital Statistics of Whole District during 1910 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-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	NET 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						
1900	110042	3428	31.16	543	158.4	1965	17.8	293	10	..	1955	17.7	
1901	111377	3230	29.00	578	178.0	2061	18.5	348	20	..	2053	18.4	
1902	113231	3646	32.19	554	151.0	2021	17.6	379	32	..	1939	17.5	
1903	115117	3516	30.54	548	155.8	1937	16.8	119	32	35	1940	16.8	
1904	117034	3805	32.51	688	180.8	2282	19.4	163	27	24	2244	19.1	
1905	118982	3707	31.15	481	129.0	1833	15.4	135	22	31	1811	15.2	
1906	120964	3733	30.86	565	151.3	2078	17.1	152	28	30	2050	16.9	
1907	122978	3727	30.30	410	110.0	1829	14.8	135	17	31	1812	14.7	
1908	125026	3775	30.19	516	136.6	1929	15.4	160	14	36	1915	15.3	
1909	127108	3737	29.40	458	122.5	1946	15.3	168	16	35	1930	15.1	
Averages for years 1900-1909	118185	3630	30.73	534	147.3	1988	16.8	205	21	..	1969	16.6	
1910	129227	3730	28.86	507	135.9	1980	15.3	136	17	30	1993	15.4	

Vital Statistics of separate Localities in 1910 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
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	2963	41	25	6	..	41	189	12
1901	111204	3250 2061	578	61832	1951 1177	379	37888	1071 565 178	4583	51	41	2	3890	89	32	6	2971	38	21	1	2971	38	21	1	..	30	217	12
1902	112102	3646 2021	554	61993	2204 1156	355	38584	1209 517 162	4595	57	41	5	3957	99	38	7	2973	29	18	8	2973	29	18	8	..	48	216	15
1903	113343	3516 1937	548	62732	2113 1090	342	39034	1173 535 178	4604	57	25	2	3998	91	43	10	2975	37	31	0	2975	37	31	0	..	45	213	16
1904	114814	3805 2282	688	63738	2284 1300	416	39117	1292 630 225	4629	51	28	10	4043	84	56	17	2977	40	32	4	2977	40	32	4	..	54	236	16
1905	116040	3707 1833	481	64585	2185 1015	298	39455	1289 479 142	4791	48	40	5	4101	109	44	9	3108	40	35	4	3108	40	35	4	..	56	220	23
1906	117203	3733 2078	565	65236	2188 1181	381	39847	1265 521 162	4839	65	44	5	4142	127	64	11	3139	44	27	3	3139	44	27	3	..	44	241	23
1907	118441	3727 1829	410	65925	2159 1021	270	40238	1250 475 116	4890	45	33	1	4186	145	50	9	3172	64	32	6	3172	64	32	6	..	64	217	8
1908	119692	3775 1929	516	66622	2119 984	295	40393	1282 559 178	4941	47	35	3	4230	221	73	16	3206	48	25	2	3206	48	25	2	..	58	253	22
1909	120655	3737 1930	458	67325	2076 1006	238	41122	1303 525 138	4963	56	37	2	4275	201	69	14	3240	50	37	3	3240	50	37	3	..	51	255	13
Aver- ages of years 1900 to 1909	115383	3630 1986	534	64150	2138 1099	334	39341	1223 539 164	4742	52	37	3	4075	123	51	10	3072	43	28	3	3072	43	28	3	..	49	225	16
1910	129227	3730 1993	567	64279	2062 993	302	48183	1300 551 157	4739	45	37	2	7815	205	69	17	3911	57	53	6	3911	57	53	6	..	61	290	23

Causes of, and Ages at, Death during Year 1910.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES AT ALL AGES.					TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT		
	All ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Whole Borough	Birkenhead	Transmere	Cloughton	Oxton		Bebington.	Workhouse
Smallpox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	34	7	25	2	...	...	...	34	29	5	...	...	...	...	3
Scarlet fever	5	...	5	...	...	...	...	5	4	1	...	...	...	...	...
Whooping-cough	64	27	36	1	...	...	...	64	31	28	2	...	1	2	...
Diphtheria and membranous croup	23	...	12	11	...	...	...	23	15	6	1	...	1	...	6
Croup	5	1	3	1	...	...	...	5	4	1	...	...	...	...	2
Fever { Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Enteric	10	...	...	2	3	5	...	10	5	1	...	...	2	2	4
{ Other continued	1	...	...	1	...	...	...	1	1	...	...	...	...	...	...
Epidemic influenza	21	3	...	1	2	10	5	21	12	5	2	2	...	...	...
Chickenpox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Zymotic Diseases	8	4	...	...	...	4	...	8	2	2	1	...	...	3	...
Diarrhoea	78	56	19	...	...	2	1	78	53	24	1	...	1	...	1
Enteritis	59	42	13	...	...	2	2	59	40	10	1	...	...	8	5
Puerperal fever	2	...	...	...	...	2	...	2	2	...	...	...	...	1	...
Erysipelas	5	1	...	...	...	1	3	5	1	...	...	...	...	4	...
Phthisis (Pulmonary Tuberculosis)	152	2	4	6	27	106	7	152	55	44	5	3	2	40	...
Other tuberculous diseases	72	19	30	14	2	7	...	72	39	27	1	...	2	3	14
Cancer, malignant disease	115	...	...	...	1	79	35	115	35	44	5	4	6	21	7
Bronchitis	142	39	14	...	...	37	52	142	85	27	5	...	1	24	...
Pneumonia	190	50	65	6	5	52	12	190	126	42	9	2	2	9	24
Pleurisy	5	...	...	...	...	5	...	5	2	2	...	...	1	...	...
Alcoholism - Cirrhosis of liver	21	...	...	...	1	17	3	21	11	8	...	...	...	2	1
Premature birth	65	65	...	...	...	...	...	65	35	22	2	...	1	5	2
Heart diseases	184	4	...	9	11	13	67	184	64	41	4	3	6	66	9
Accidents	18	...	2	...	2	11	3	18	12	2	1	...	...	3	10
Suicides	4	...	...	...	...	3	1	4	2	1	...	1	...	...	4
All other causes	710	187	45	33	18	191	236	710	325	208	30	22	27	98	43
All causes	1993	507	273	87	72	627	427	1993	993	551	69	37	53	290	136

**Deaths of Non-Residents in Public Institutions in Birkenhead
during 1910 NOT INCLUDED in Returns.**

Week.	Sex.	Age.	Cause of Death.
3	F	47	Cancer
5	M	25	Pneumonia
6	F	7	Appendicitis
8	F	9 <small>ms</small>	Otitis Media
12	M	23	Tubercular Spinal Caries
18	M	44	Pneumonia
20	M	23	Pneumonia
23	M	46	Arthritis
24	M	61	Appendicitis
28	F	15 <small>ms</small>	Tubercular Peritonitis
29	F	2	Cerebral Tumour
30	M	55	Accident, fracture
44	M	44	Apoplexy
47	M	30	Diarrhoea
48	M	31	Pneumonia
50	M	41	Accident, fracture
50	M	25	Pneumonia

Infantile Mortality during the year 1910.

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:—		77	24	21	18	140	71	48	30	32	24	34	27	25	21	31	21	504
Certified ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Uncertified ..		1	..	..	..	1	..	..	2	..	..	..	..	..	..	..	..	501
Common Infectious Diseases:—		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Smallpox ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chickenpox ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and membranous croup ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoeal Diseases:—		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea, all forms ..		..	1	1	1	3	1	3	6	8	4	9	4	6	3	7	2	56
Enteritis, Mucro-Enteritis and Gastro-Enteritis ..		..	..	1	..	1	4	7	5	6	3	2	2	5	1	3	3	42
Gastritis, Gastro-intestinal Catarrh ..		..	..	..	1	1	2	1	1	..	2	2	1	..	1	..	..	11
Wasting Diseases:—		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature Birth ..		45	7	4	2	58	4	3	..	..	..	..	..	..	..	..	..	65
Congenital Defects ..		8	5	..	2	15	3	..	..	..	..	..	..	..	..	..	..	18
Injury at Birth ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast Milk: Starvation ..		7	2	..	2	11	5	2	..	2	..	1	..	..	..	..	..	21
Atrophy, Debility, Marasmus ..		8	..	7	2	17	15	8	10	3	5	1	2	2	2	1	..	66
Tuberculous Diseases:—		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis ..		..	..	..	..	..	..	..	1	..	..	1	2	1	1	1	..	7
Tuberculous Peritonitis: Tabes Mesenterica ..		..	..	..	..	..	..	..	1	1	..	2	..	..	..	1	1	5
Other Tuberculous Diseases ..		..	..	..	..	..	..	..	2	1	..	1	..	..	..	2	1	9
Other Causes:—		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas ..		..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1
Syphilis ..		..	1	..	..	1	3	..	..	..	..	..	..	..	..	..	..	4
Rickets ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meningitis (not tuberculous) ..		..	..	..	..	..	..	1	..	..	1	1	1	1	..	..	..	..
Convulsions ..		2	4	3	..	9	3	2	..	1	1	1	3	2	2	3	2	21
Bronchitis ..		..	..	..	1	5	8	9	..	5	3	1	..	2	1	..	..	39
Laryngitis ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia ..		..	..	..	4	6	6	1	1	2	2	5	6	3	5	9	4	50
Suffocation, overlaying ..		..	..	..	..	4	2	2	..	..	..	..	..	..	..	..	..	8
Other Causes ..		2	3	1	3	9	9	7	2	2	2	4	3	4	2	..	1	45
		78	24	21	18	141	71	48	32	32	24	34	27	25	21	31	21	507

TABLE 1.—Deaths Registered in the Borough of Birkenhead during the Year ending December 31st, 1910.

TABLE 1. 1900-1901

1. 1900-1901

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1910

CLAS.	CAUSE OF DEATH	WEEKS.					WEEKS.					WEEKS.					WEEKS.					TOTAL
		1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	
I.	Small pox																					
	Dysentery																					
	Scarlatina (Scarlet Fever)																					
	Measles																					
	Whooping Cough																					
	Quincy																					
	Whooping Cough																					
	Typhoid Fever																					
	Simple Continued Fever																					
	Intermittent Fever																					
II.	Cholera																					
	Cholera Infantum																					
	Ague (Intermittent Fever)																					
	Malaria																					
	Styptic																					
	Styptic																					
	Styptic																					
	Styptic																					
	Styptic																					
	Styptic																					
III.	Infantile																					
	Infantile																					
	Infantile																					
	Infantile																					
	Infantile																					
	Infantile																					
	Infantile																					
	Infantile																					
	Infantile																					
	Infantile																					
IV.	Pneumonia																					
	Pneumonia																					
	Pneumonia																					
	Pneumonia																					
	Pneumonia																					
	Pneumonia																					
	Pneumonia																					
	Pneumonia																					
	Pneumonia																					
	Pneumonia																					
V.	Fractures and Dislocations																					
	Fractures and Dislocations																					
	Fractures and Dislocations																					
	Fractures and Dislocations																					
	Fractures and Dislocations																					
	Fractures and Dislocations																					
	Fractures and Dislocations																					
	Fractures and Dislocations																					
	Fractures and Dislocations																					
	Fractures and Dislocations																					
VI.	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					
	Wounds (Gunshot, Cut, Stab)																					

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

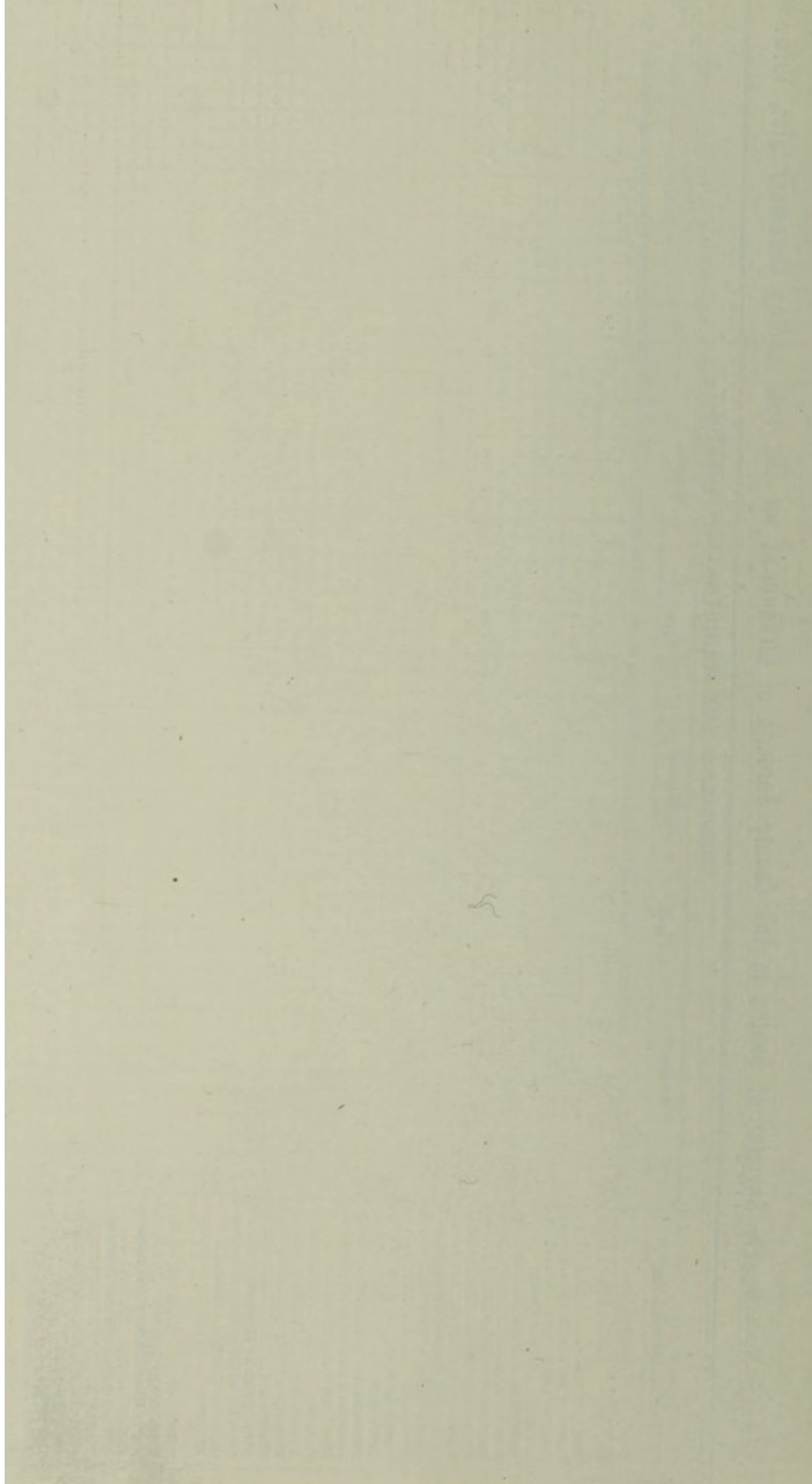


TABLE II—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1910.

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

THE UNIVERSITY OF CHICAGO PRESS

CHICAGO, ILL.

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			Athol terrace		
Abbey terrace	1		Austin street		
Abbot street	4	1	Back Arthur street ..		
Aberdeen street ..	2		Back Beckwith terrace		
Ackworth place ..			Back Camden street ..		
Acton road	1		Back George street ..		
Adelaide road	1	1	Back Havelock street ..	1	
Adelphi street	4	3	Back Livingstone street		
Albany Road			Back Myrtle street ..		
Albert place	3	2	Back Oliver street ..	1	
Albert road	3		Back Oxtan road		
Albert street			Back Pilgrim street ..		
Albert terrace	1		Back Price street	3	
Albion street	6	1	Back St. Anne street ..	6	1
Allcot avenue			Back Salisbury street ..		
Alderley avenue ..	1	1	Balfour road	1	
Alexandra drive ..			Balls road	2	
Alexandra road ..			Balls road east	6	1
Alfred road	2		Barkville road	4	
Alison street			Banning street	3	1
Allerton grove ..	2		Barnard road		
Allerton road			Barnston street	3	
Alma street			Barton street	1	
Alpha drive	1	1	Baytree road		
Alton road			Beaconsfield road ..	2	1
Alvanley place ..	2		Beaufort road	3	
Alverstone avenue	1		Bebington road	2	
Amery grove			Beckwith street	23	3
Anglesea terrace ..			Bedford place	2	
Apple grove			Bedford road	3	
Argyle street	3		Bedford street	1	
Argyle street south	4		Beech road	2	
Arno road	1		Beech view (Sydney terr		
Arnside road	1		Belgrave terrace	1	
Arrow place			Belmont		
Arthur street	2		Belmont grove		
Ash road			Bennetts hill	2	1
Ashburton road ..	1		Bentinck place	1	
Ashford road			Bentinck street	10	
Ashley street	4	1	Bentinck terrace		
Ashville road	1		Bentley road	1	
Aspendale road ..	2		Beresford road	3	
Aspinall street ..	5	2	Berner street		
Asquith Avenue ..			Berry street	1	
Astonwood road ..	1		Bertha street	3	1
Atherton street ..			Bessborough road ..	1	1
Athol street	1		Bidston avenue		

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only	STREETS.	Total from all Causes.	From Zymotic Diseases only
Bidston road ..	1		Carrington street ..		
Birch road ..	5		Castle street ..	3	
Birkenhead park ..	1		Cathcart street ..	14	4
Blackpool street ..	1	1	Catherine street ..	1	
Blandford street ..			Cavendish drive ..	1	
Blucher street ..	4	1	Cavendish road ..		
Bold street ..	4		Cavendish street ..	2	
Booth street ..	3		Cearns road ..	1	
Borough road ..	20	3	Cedar street ..	2	
Boundary road ..			Challis street ..		
Braid Street ..	1		Chamberlain street ..		
Brandon cottages ..			Chapel place (B'head) ..	1	
Brandon street ..			Chapel place (Traumere) ..		
Brassey street ..	2	1	Chapel square ..		
Brattan road ..	2		Chapel street ..		
Bray street ..	1		Charlecombe street ..	1	
Briardale road ..	7	2	Charles street ..		
Bridge street ..	9	1	Charlesville ..		
Bridge End terrace ..	1	1	Charing cross ..	1	
Bright street ..	1		Chatham road ..	3	
Brill street ..			Chatsworth road ..	1	
Brimstage street ..	2	1	Chesnut grove ..		
Brook place ..	5	1	Chester street ..	9	
Brook square ..			Ch. twynd road ..	1	
Brook street ..	38	9	Christchurch road ..	3	
Brookland road ..			Church place ..		
Broom Hill ..			Church road ..	6	
Brougham street ..	11	1	Church street ..	7	
Brunswick street ..	3	1	Church terrace ..	1	
Buckingham avenue ..			Churchill avenue ..		
Budworth road ..			Circular road ..	2	
Bulwer street ..	1		Clare street ..		
Burton Street ..	2		Clarence road ..		
Buxton road ..	1		Clarendon street ..	2	
Caerwys grove ..	3		Claughton firs ..	1	
Caldy place ..	1		Claughton place ..		
Cambridge place ..	1	1	Claughton road ..	13	
Camden street ..	9		Clayton street ..		
Campbell terrace ..	2	1	Cleveland avenue ..	1	
Camperdown street ..	1		Cleveland street ..	9	2
Canning street ..	3		Clifford street ..		
Cannon hill ..			Clifton crescent ..		
Canterbury road ..			Clifton road ..	1	
Cardigan street ..	3	1	Cl've road ..		
Carlisle street ..	3		Clyde street ..		
Carlton mount ..			Clwyd street ..	1	
Carlton road ..	4	1	Cobden place ..	1	
Carnforth street ..	5		Cobden street ..	12	2
Carnforth terrace ..	1		Coburg street ..	1	
Caroline place ..			Cole street ..	3	1

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Collingwood street ..	4		Eastbourne road ..		
Columbia road ..			Eastham street ..	1	
Colwyn street ..			Eaton road ..		
Combermere terrace ..	1		Ebenezer street ..	4	
Comet street ..	1		Edgar street ..	1	1
Connaught street ..	3		Egerton park ..	3	
Connor's court ..			Egerton road ..		
Conway place ..			Egerton street ..	4	1
Conway street ..	11	2	Elderwood road ..		
Cook street ..	1		Eldon place ..	6	1
Corfu street ..			Eldon road ..		
Corporation road ..	2	1	Eldon street ..	4	1
Cottage street ..	4	2	Elfet street ..		
Coventry street ..	1		Elgin street ..	5	1
Cranbourne avenue ..			Elizabeth place ..		
Craven place ..			Elm grove ..	3	
Craven street ..	9	2	Elm road ..		
Cressington avenue ..	2		Elm street ..	1	
Crofton road ..	3	1	Elmswood road ..	3	
Cromwell street ..			Enfield terrace ..		
Cross street ..	2	1	Erskine street ..	1	
Crown street ..	4	1	Esplanade ..		
Croxteth street ..	3		Etna street ..		
Cumberland place ..	4	1	Euston grove ..	3	
Curzon avenue ..	1		Exmouth street ..	5	1
Cyprus street ..	1	1	Falcon road ..	1	
Dacre street ..	7	1	Fairclough lane ..		
Dale street ..			Fairfax road ..	2	
Davies street ..	1		Fairfield road ..	2	
Dee street ..	1		Fairview road ..	1	
Dell road ..			Falkland street ..		
Derby park ..			Farm road ..	4	1
Derby road ..	4		Fearnley road ..	1	
Derby street ..	1		Field street ..	6	
Derwent road ..			Flamank street ..	12	3
Devonshire place ..			Flaybrick hill cemetery		
Devonshire road ..	3		Flint street ..	2	
Dial road ..			Florence street ..		
Dingle road ..			Fore street ..	2	
Dock quay ..			Forest road ..		
Donegal street ..			Fountain street ..	3	
Doric street ..			Fox street ..	4	1
Douglas street ..			Francis avenue ..		
Dover street ..	3	1	Frederick street ..	4	
Downham road ..	2		Freeman street ..	1	
Duke street ..	7		Frodsham street ..	2	
Duncan street ..			Garfield place ..		
Dundonald street ..			Garner's place ..		
Eagle court ..			Garnet street ..	1	
Earl street ..	1		George street ..	1	

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Gerald road ..			Harriet street ..		
German ter. (Price st.) ..	2		Harrowby road ..	4	
Gertrude street ..			Harrowby road south ..	2	
Getley street ..			Hatherley street ..		
Gladstone road ..	6	1	Havelock street ..		
Gladstone street ..	6	1	Hawarden avenue ..		
Glasgow street ..			Hawthorne road ..		
Glenmore road ..			Haymarket ..		
Glover street ..	4		Hazel road ..	3	2
Gomer street ..	2		Heath bank road ..	1	
Gordon street ..			Heather brow ..	2	
Gore street ..			Heathfield road ..		
Gorsefield road ..			Heath terrace (Bennett's hill)		
Gothic street ..			Helmingham road ..	3	1
Grace street ..			Hemingford street ..		
Grace terrace ..	1		Hemingford terrace ..		
Grafton street ..	1		Henry street ..	4	
Grange mount ..	2		Henthorne street ..	1	
Grange place ..			Herbert place ..		
Grange road ..	5		Highfield crescent ..	1	
Grange road west ..	3		Highfield grove ..	5	1
Grange street ..	1	1	Highfield grove north ..	2	
Grasville road ..	4		Highfield grove south ..	2	
Green lane ..	2		Highfield road ..	4	
Green lawn ..			Highfield south ..	4	
Greenbank road ..	3		Highgreen road ..		
Greenfield street ..	2	1	Hilbre street ..	1	1
Greenway road ..	2		Hillside road ..		
Grenville road ..	2		Hill road ..	1	1
Grosvenor place ..	1		Hilton street ..	9	1
Grosvenor road ..	2		Hind street ..	1	
Grosvenor street ..	5	1	Hinderton road ..	4	1
Grosvenor terrace ..	2	1	Hinson street ..	1	
Grove mount ..			Holborn hill ..	3	
Grove road ..	5	1	Holborn square ..	2	
Haddon road ..			Holly bank road ..	5	
Halcyon road ..	2		Holme lane ..		
Haldane avenue ..	2	1	Holt hill ..		
Halkin street ..			Holt hill terrace ..		
Hamilton lane ..			Holt road ..	3	
Hamilton square ..			Holt terrace ..	1	
Hamilton street ..	1		Hope street ..	3	1
Hamilton view ..			Hope terrace ..		
Hampden grove ..	1		Horatio street ..		
Hampden road ..			Hornby street ..		
Hampton street ..			Houldin's place ..		
Harcourt street ..	1		Howard street ..		
Harland road ..	1		Howbeck road ..	1	
Harper's court ..			Howe street ..	2	
Hartington avenue ..	1				

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Howson street ..	1		Lingdale road north ..		
Hoylake road ..			Liuwood road ..	5	
Hughes' buildings ..	1		Liversidge road ..	2	
Hughes lane ..			Livingstone road ..	3	1
Huskisson street ..			Livingstone street ..	8	1
Ingestre road ..			Lloyd avenue ..		
Ivy bank ..			Lord street ..	7	3
Ivy court ..			Lorn street ..		
Ivy street ..	4		Lorne road ..	1	
Ivydale road ..	1		Lowe street ..		
Jackson street ..	7		Lower Ivy street ..		
James street ..	1		Lower George street ..		
Jessamine road ..	1		Lowther street ..	3	
John street ..	1		Lowwood grove ..		
Keightley street ..	3		Lowwood road ..	2	
Kellett's place ..	2		Lunar street ..	3	2
Kelvin road ..	2		Lydia terrace ..		
Kendal street ..	2		Lynas street ..	2	
Kent place ..	3	1	Maddock street ..		
Kent street ..			Mallaby street ..		
Kimberley street ..			Malta street ..		
King street ..	2		Manor hill ..		
King's mount ..			Maple street ..	1	
Kingsdown street ..	1	1	Marcus street ..		
Kingsland road ..			Marion grove ..	2	2
Kingsley street ..	3	1	Marion street ..	1	
Kingsmead road north ..	1		Market ..		
Kingsmead road south ..			Market place south ..		
Kipling avenue ..	1		Market street ..	13	3
Kiumel street ..			Marlborough grove ..	3	
Kirkland avenue ..	2		Marquis street ..		
Knowles street ..			Marsden villas ..	1	
Knowsley road ..	1		Marshall place ..		
Knox street ..	1		Marshall street ..		
Kylemore road ..			Mason's court ..		
Laird street ..	5		Mason street ..	4	3
Lansdowne road ..	2		Massey street ..	2	
Larch road ..	3	1	Mather road ..	4	1
Laurel road ..			Maybank road ..	4	
Laxey terrace ..	6	1	Meadow lane ..	4	1
Lea street ..			Meadow place ..		
Lees' avenue ..	2		Meadow street ..	3	
Leicester street ..	1		Medway road ..	2	1
Leicester terrace ..			Mellor road ..	1	
Leighton road ..	5	1	Menai street ..	2	1
Leinster street ..	3	1	Mere farm road ..	3	
Leta street ..	2		Mersey lane south ..		
Lever terrace ..			Mersey mount ..		
Lilly street ..	1		Mersey road ..	3	
Lingdale road ..	3		Merton place ..		

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Meteor street	2	1	Oakdene road	1	
Methuen street	1		Oakfield view	1	
Midland street	2		Oak tree cottages ..		
Mill street	7	2	Oak tree place	2	
Miller's place	1		Oak tree terrace		
Millbank cottages ..	1		Old Bidston road ..	9	1
Milner street	2	1	Old Chester road ..	15	2
Milton road	3	1	Old Priory	1	1
Milton street	2		Olive crescent	1	
Miriam place			Olive mount	3	
Mollington street ..	2	1	Oliver lane		
Mona street	2		Oliver place	1	
Monk street	1		Oliver street	15	3
Moon street	2	1	Orchard road	1	
Moorland road	5	1	Oriel road	5	3
Moreton street	2		Osborne road		
Morecroft road	2		Osmond street	6	1
Morley avenue	3		Oxton road	5	
Mornington street ..	3		Palm grove		
Morpeth buildings ..	7	3	Palm hill		
Mortimer street			Palmerston street ..		
Mossley road	1		Parkfield avenue ..	29	
Moss grove	1		Parkfield place	2	
Moss lane			Parkside road	6	1
Mounsey road	1		Park grove		
Mount grove	5	1	Park road	1	1
Mount Pleasant			Park road east	2	1
Mount road			Park road north	9	1
Mount street	1		Park road south	2	
Mulberry road	1		Park road west		
Munster street			Park street	9	1
Myrtle court			Parkton grove		
Myrtle place	5	2	Parr's lane		
Myrtle street	2		Paterson street	8	2
Napier street			Patten street	5	
Nelson place			Payson street	12	3
Nelson road	6		Pearson road		
Nelson street	2		Peel street	7	2
Neptune street	2		Pensby street	5	
Neston street			Penrith street	3	1
Newburn's lane	1		Percy place		
New Chester road ..	19		Pilgrim street	1	
New Ferry pier			Pitt street	4	
Newling street	3		Planet street		
Newton street	1		Pleasant street	5	1
Norman street	1		Plymouth place		
Normanston road ..			Pool street	2	1
North road	2		Poplar grove	1	
Oak bank			Poplar road		
Oak street	2	1	Portland street	2	

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS	Total from all Causes.	From Zymotic Diseases only.
Powell street ..	1		Rodney street ..	11	1
Prenton road east ..	1		Roe street ..	1	
Prenton road west ..	1		Romilly street ..		
Price's lane ..			Rose brae ..	2	
Price street ..	36	5	Rose cottages ..		
Prince Edward street ..	2		Rose mount ..	1	
Princes place ..	2		Rose place ..		
Price's place ..			Rose street ..	2	
Princes street ..	1		Rosebery grove ..	3	
Princes terr. (Grange rd)			Rosedale road ..	2	
Princess terr. (Balls rd.)	1		Roslin road ..	1	
Priory court ..	1		Roslyn street ..	6	3
Priory street ..	1	1	Ross terrace ..		
Prospect place ..			Rowland street ..	3	
Pym street ..			Roxburgh avenue ..	1	
Quarry bank ..			Rundle street ..	6	
Quarry bank place ..	6		Ruston's court ..		
Quarry bank street ..			Ruskin avenue ..	2	
Queen's buildings (Ato K)	18	2	Russell cottages ..	1	
Queen's Buildings (Tran)	1		Russell place ..	3	
Queen's place ..	1		Russell road ..	3	1
Queen's road ..			Russell street ..	4	1
Queen's street ..	8		St. Andrew's road ..	1	
Queensbury street ..	3	1	St. Anne's grove ..	1	1
Quigley street ..	1		St. Anne street ..	33	8
Radnor place ..			St. Anne's terrace ..	1	
Raffles road ..	4		St. George's avenue ..		
Railway road ..	2		St. John street ..		
Randle street ..	1		St. Mary's street ..		
Rathmore road ..			St. Mary's avenue ..		
Ravenscroft road ..	2		St. Mary's gate ..	4	
Ravenswood avenue ..			St. Paul's place ..	1	
Rawcliffe road ..	1		St. Paul's road ..	10	1
Redmond street ..			St. Paul's villas ..		
Reedville ..	1		St. Peter's road ..		
Rhoden's place ..	1		Salem view (Storeton rd.)		
Rhyl street ..	2	1	Salisbury street ..	5	
Richmond cottages ..	1		Samuel street ..		
Richmond terrace ..	2		Sandford street ..	1	
Kidley street ..	3		Saxon street ..	1	
Rimmer's court ..			School place ..	5	2
Ripon street ..			Scott's court ..		
Roberts street ..	4	1	Scott's place ..		
Rochester road ..	1	1	Sea bank cottages ..	1	
Rock Ferry pier ..			Sea bank road ..		
Rock lane east ..	3		Seaton road ..	2	
Rock lane west ..	4		Sefton road ..		
Rock park ..	3		Seymour street ..	5	1
Rockville street ..	3		Shakespeare avenue ..	1	
Rocky bank road ..	1		Shaw street ..		

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Shaw's place			Thomas street	8	2
Shaw's terrace			Thompson street	3	
Shore road			Thornton Street	3	
Shotwick street.. ..			Tollemache road		
Shrewsbury road	5		Tower hill	3	
Shrewsbury road north			Tower road	2	1
Sidney buildings			Town road	3	
Sidney road	5	2	Trinity street	1	
Sidney street			Tudor road	2	
Sidney terrace	1		Tunnel road	3	
Silverdale road			Turner street	1	
Simpson street	1		Tuscan street		
Singleton avenue			Tyrer street	3	
Slatey road	2		Union street	1	
Somerville street			Upper Beckwith street..		
South bank			Upper Brassey street ..	2	
South hill grove			Upper Flaybrick road ..		
South hill road	3		Upton road	5	
South Reserve			Vardon street		
South road			Vernon place		
Southwick road	2		Vicar's court	1	
Spring street			Victoria drive		
Spring villas			Victoria mount.. ..	3	
Stafford street			Victoria road	5	
Standard place			Village road	2	1
Stanley court	2		Village terrace		
Stanley place	1	1	Vincent street		
Stanley road			Vine street	9	4
Stanley street	2		Vittoria street	7	2
Stanway place	1	1	Vittoria dock and wharf		
Star street	3	2	Vulcan street	4	
Station road	2		Walker place		
Stewart's place.. ..	1	1	Walker street	1	
Stewart street	3	2	Walton street	2	1
Stoke street	4	1	Waring avenue		
Storeton road	3		Warrington street		
Stuart road			Warwick street	7	
Sun street	3		Water street	4	2
Sussex street			Waterford road.. ..		
Swan's court			Waterloo court		
Swan's place			Waterloo place		
Sycamore road			Watson street	6	
Talbot road			Waverley grove.. ..	1	
Tatton road	1		Well lane	7	
Taylor street			Wellesley street	2	
Temple road	1		Wellington road	1	
Templemore road			Wellington terrace	4	
Tennyson Avenue	1		Wesley street		
Tetbury street			Wesley terrace		
Thomas court	1		West view	5	1

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
West bank road ..	1		Wilton road ..	2	
Westbourne road ..	2		Wilton street ..	3	1
Westbury street ..			Windsor place ..		
Westminster road ..			Windsor street ..	1	
Wexford road ..			Wirral street ..	1	
Whalley road ..			Woburn place ..	4	3
Whetstone lane ..	6		Wood street ..	9	
Whetstone view ..	3		Woodchurch lane ..	2	
White street ..	4		Woodchurch road ..	6	1
Whitfield place..	1		Woodland avenue ..		
Whitfield street ..			Woodland grove ..		
Whitford road ..	3		Woodland road..	1	
Wilbraham street ..			Woodland terrace ..	3	
Wilkinson street ..	1		Woodlands ..	7	1
Wilks court ..			Woodside ..	1	
Willan street ..			Woodside, lairages ..		
Willaston place..	1	1	Woodville road..	8	3
William street ..	2		Wordsworth avenue ..	2	1
Williams cottages ..			Wycliffe street ..	3	
Willmer road ..	4		Wycherley road ..	2	
Willowbank road ..	1		Wye street ..	1	
Willow street ..			Yelverton road ..	1	
Willy street ..	3	2	York place (Oxton road)		
Wilson street ..	2	1	Zetland road ..		

SUPPLEMENT TO TABLE V.

RETURN OF DEATHS in Birkenhead Union Hospital and
Workhouse during 1910.

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
Jan. 2	M	25	Brass finisher ..	Phthisis pulmonalis	26-8-08	44 Livingstone rd
5	M	79	General labourer	Hemiplegia ..	22-10-09	12 Myrtle street
5	F	42	Joiner's wife ..	Gen pur peritonitis	30-12-09	Birkenhead
6	F	54	Calker's widow ..	Chronic gastritis ..	29-12-09	Birkenhead
9	M	72	Cab driver ..	Bronchitis ..	17-6-08	196 Brook street
10	F	40	Police cons wife	Pulmonary phthisis	27-12-09	44 Menai street
7	M	62	General labourer	Senile decay ..	13-1-08	Birkenhead
9	F	62	Dec labourer's dau	Mitral disease ..	1-1-10	52 Grange street
13	F	74	Labourer's widow	Senile decay ..	1-9-06	2 Wesley street
13	M	60	House painter ..	Erysipelas ..	3-1-10	10 Waterloo place
16	M	85	Shipwright ..	Senile decay ..	21-9-09	322 Borough road
13	M	74	Jobbing gardener	Morbus cordis ..	3-1-10	14 Arthur street
16	M	41	General labourer	Ac doub pneumonia	23-12-09	Birkenhead
17	F	42	Com trav widow	Benign ovar tumour	25-11-09	45 Halcyon road
21	M	29	Labourer ..	Phthisis pulmonalis	4-6-09	67 Russell road
22	M	70	Rag gatherer ..	Chronic bronchitis	2-8-02	29 Egerton street
22	F	62	Seaman's widow	Morbus cordis ..	4-12-09	14 Oak street
26	M	77	Shoemaker ..	Senility ..	23-8-06	7 Heather brow
27	F	64	Wool dyer's widow	Morbus cordis ..	5-10-09	30 Aspendale rd
27	M	68	B'lrm'kr holder up	Cystitis ..	18-12-09	37 Henry street
27	M	64	Boilermaker ..	Chronic cardiac dis	3-5-09	100 Church street
31	M	39	Dock labourer ..	Phthisis pulmonalis	13-8-0	437 Cleveland st
28	F	70	Driller's widow ..	Morbus cordis ..	23-10-07	52 Henry street
Feb. 3	F	59	Seaman's wife ..	Carcinoma of breast	5-5-09	69 Thomas street
4	M	62	Carter ..	Carcinoma of bladder	5-3-09	2 Ivy street
4	F	48	Spinster ..	Gastro enteritis ..	3-2-09	2 Garnet street
6	F	72	Farmer's widow	Gangrene of toes ..	24-1-10	H'me Aged Park'd
6	F	45	Sch'lmaster's wid	Disemin't'd sclerosis	29-1-10	Wellington terr
7	M	58	Ship's butcher ..	Bronchitis ..	22-1-10	75 Market street
9	M	32	Office caretaker..	Phthisis pulmonalis	26-1-10	35 Whitfield st
9	F	82	Labourer's widow	Hepatic cirrhosis ..	21-1-10	122 Market street
15	F	45	Labourer's wife..	Mitral incompetence	28-1-10	10 Flint street
16	M	66	General labourer	Bronchitis ..	17-1-10	75 Market street
13	F	40	Labourer's wife..	Morbus cordis ..	8-2-10	33 Ivy street
14	M	55	Grocer ..	Carc of oesophagus	4-1-10	9 Market street
15	M	71	Pattern maker ..	Phthisis pulmonalis	4-7-05	18 Leicester street
17	F	63	Boilermaker's wid	Apoplexy ..	16-2-10	75 Old Bidston rd
18	F	35	Labourer's wife ..	Mitral insufficiency	16-2-10	11 George street
18	M	19	General labourer	Ac doub pneumonia	15-2-10	55 Ivy street
18	M	68	Grain porter ..	Erysipelas ..	28-10-09	60 Bentinck street
18	M	31	Labourer ..	Alcoholism ..	18-2-10	2 Russell road
18	F	67	Wood sawyer's d	Mitral incompetence	14-2-10	43 Warwick street
23	M	56	Carter ..	Bronchitis ..	14-1-10	43 Queensbury st
24	F	60	Carter's wife ..	Mitral incompetence	29-5-09	18 Walker street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Feb. 25	M	24	Boiler cleaner ..	Phthisis pulmonalis	7-2-10 100 Exmouth st
27	M	47	Rubber salesman	Paralysis of insane	24-1-10 22 Bennett's hill
Mar. 1	F	61	Milk dealer's wid	Senility	24-2-10 338 Price street
Feb. 25	M	61	Dock labourer ..	Phthisis pulmonalis	13-2-09 37 White street
26	M	81	Engine fitter ..	Old age	19-7-09 Birkenhead
Mar. 3	F	80	Main layer's wid	Old age	18-5-09 22 Elm road
3	F	62	Engine fitter's wid	Mitral incompetence	1-3-10 4 Whetstone view
5	F	46	Fireman's wife ..	Cere hæmorrhage..	28-2-10 14 in 19 Fox st
3	F	45	Labourer's widow	Cancer of rectum ..	21-2-10 181 St Anne st
4	M	54	General labourer	Phthisis pulmonalis	28-2-10 27 Warwick st
4	M	80	General labourer	Gangrene of toes ..	13-11-09 2 Waterloo place
5	F	83	Domestic cook ..	Senility	14-4-09 88 Grange rd west
6	M	72	General labourer	Chronic cystitis ..	25-8-04 92 Church stree t
8	M	33	Dock labourer ..	Chronic meningitis	17-2-10 7 Cottage street
9	M	50	Clerk	Phthisis pu'monalis	13 1-10 47 Livingstone rd
10	F	14	Labourer's daugh	Chorea	15-2-10 12 Meadow lane
9	F	64	Labourer's widow	Morbus cordis ..	8-1-10 30 Frederick st
10	F	75	Labourer's widow	Senility	10-12-92 20 St Mary's gate
13	F	38	Labourer's widow	Bronchitis	26-2-10 448 Price street
15	M	81	Ship's carpenter	Gangrene of toes ..	26-2-10 30 Aspendale rd
17	M	68	Shoemaker ..	Malig stric of colon	15-3-10 67 Thomas street
21	F	19	General servant	Endocarditis ..	19-3-10 Tranmere hall f'm
22	F	31	Stonemason's wid	Abscess of lung ..	10-3-10 26 Rodney street
23	M	49	Boatswain ..	Hemiplegia (left) ..	10-1-10 3 Upper Brassey st
24	M	71	Joiner	Old age	15-3-10 29 Lowther street
25	M	82	Wood sawyer ..	Old age	8-11-00 104 Bentinck st
26	F	3	Bricklayer's dau	Pertussis	14-3-10 18 Tower road
27	M	64	Night watchman	Morbus cerdis ..	9-12-09 133 Wood street
29	M	71	Engine fitter ..	Morbus cordis ..	14-12-03 210 Oliver street
31	M	71	Gardener ..	Bronchitis	15-2-10 21 Star street
April 1	F	23	Mineral water man. d	Phthisis pulmonalis	8-3-10 41 Paterson street
2	M	24	Window cleaner	Phthisis pulmonalis	31-3-10 131 Oliver street
3	M	73	Carpenter ..	Erysipelas of arm..	22-3-06 27 Victoria road
2	F	91	Farmer's daugh	Senility	6-2-04 44 Cobden street
8	F	65	Labourer's wife..	Morbus cordis ..	24-3-10 18 Camperdown st
6	M	85	Dock labourer ..	Old age	10-6-93 49 Morpeth b'ld'gs
11	F	18	Boilermaker's dau	Enteric fever ..	17-3-10 26 Leicester street
11	F	22	Hosier's wife ..	Pulmonary phthisis	22-3-10 32 Harland road
12	M	69	F'rem'n sauce mkr	Phthisis pulmonalis	20-4-09 13 Dundonald st
8	F	76	La' ourer's widow	Morbus cordis ..	3-10-04 27 Roberts street
8	M	71	Ship's fireman ..	Phthisis pulmonalis	24-3-02 32 Grange road
14	M	55	Street musician..	Morbus cordis ..	13-4-10 29 Lowther street
17	M	58	House painter ..	Care of lower jaw ..	28-3-10 16 Church terrace
15	M	19	Street musician..	Morbus cordis ..	13-4-10 Birkenhead
16	M	68	General labourer	Morbus cordis ..	1-10-07 Tranmere
16	M	78	Night watchman	Cere hæmorrhage..	22-6-07 65 Oliver street
18	M	70	Naval pensioner	Rheumatism ..	4-4-10 48 Westbourne rd
20	M	15	Carter's son ..	Idiocy	17-2-10 126 Park street
22	M	62	General labourer	Morbus cordis ..	22-10-09 18 Vine street
26	M	55	Bricklayer ..	Extr'v's'tion of urine	29-6-06 64 Duke street

SUPPLEMENT TO TABLE V—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Apr. 27	M	74	General labourer	Bronchitis	23-6-07 1 Mossley road
28	M	51	Carter	Morbus cordis ..	20-4-10 17 Leicester street
23	M	8d	Labourer's son ..	Premature birth ..	15-4-10 56 Church road
26	M	60	Ship's steward ..	Cystitis	7-4-10 3 Hamilton street
30	M	36	Licensed victualler	General paralysis ..	20-4-10 26 Garnet street
May 2	F	33	Labourer's wife ..	Phthisis pulmonalis	5-4-10 18 Florence street
3	M	32	Labourer	Cerebro-spinal fever	30-4-10 34 Star street
1	M	72	Basket maker ..	Bronchitis	11-12-09 186 Chester street
3	M	3m	Milliner's son ..	Enteritis	7-1-10 56 Church road
5	M	16	Watchmaker's son	General tuberculosis	30-7-09 26 Elmswood rd
5	F	38	Plasterer's wife ..	Pernicious anæmia	28-4-10 37 Maybank road
3	M	49	Printer	Phthisis pulmonalis	3-5-10 94 Chester street
4	M	2m	Dom servant's son	Morbus cordis ..	24-2-10 56 Church road
7	F	69	Lodging house kpr	Carcinoma of liver	5-5-10 89 Borough road
10	F	79	Chf steward's wid	Cere hæmorrhage ..	5-9-00 13 Greenfield st
10	M	41	General hawker ..	Diabetes mellitus ..	15-4-10 214 Chester street
10	M	64	General labourer	Intestinal obstruct'n	9-5-10 16 St Anne street
13	F	71	Gardener's widow	Morbus cordis ..	30-7-08 22 Medway road
15	M	50	Furniture porter	Paraplegia	26-3-10 10 Waverley grove
17	F	79	Platelayer's wid	Old age	19-4-10 444 Beckwith st
18	M	49	General labourer	Morbus cordis ..	16-4-10 36 Earl street
18	M	28	Dock labourer ..	Acute pneumonia ..	16-5-10 56 Flamank street
20	F	68	Wardr'be deal wid	Capillary bronchitis	16-11-08 21 White street
21	M	33	Bricklayer's lab	Phthisis pulmonalis	4-1-10 53 Wood street
21	M	28	General labourer	Phthisis pulmonalis	22-2-10 56 Mason street
20	F	70	Fish hawker's wid	Fracture, right thigh	16-11-08 82 Jackson street
25	M	75	Freight clerk ..	Morbus cordis ..	23-5-10 10 Berry street
25	M	63	Railway labourer	Bronchitis	19-5-08 3 Vine street
25	F	11d	Dom servant's dau	Congenital syphilis	14-5-10 56 Church road
27	F	49	Mariner's wife ..	Cere hæmorrhage ..	27-5-10 14 Church terrace
28	M	60	General labourer	Stricture of urethra	24-5-10 23 Leicester st
29	M	70	Coachman	Malig dis of rectum	16-1-09 9 Enfield terrace
30	M	40	Boiler cleaner ..	Phthisis	28-5-10 8 Myrtle street
June 2	F	39	Stonemason's dau	Valvular dis of heart	3-5-10 137 Old Bidston rd
5	F	76	Shoemaker's wid	Hemiplegia	25-5-10 2 Waterloo place
9	M	3d	Dressmaker's son	Imperfect devel'p'mt	6-6-10 56 Church road
9	M	30	General labourer	Ac lobar pneumonia	21-4-10 34 Pleasant street
11	M	26	Coach painter ..	Acute pneumonia ..	10-6-10 23 Penrith street
13	F	81	Hawker	Senility	11-6-10 17 Fore street
15	F	1m	Dom servant's dau	Enteritis	7-5-10 56 Church road
16	M	2m	Fireman's son ..	Enteritis	14-4-10 56 Church road
16	F	15	Labourer's daugh	Valvular dis of heart	11-5-10 40 Somerville st
17	F	70	General servant ..	Old age	27-2-09 Parkfield av Home
20	F	8	Labourer's daugh	Valvular dis of heart	23-2-10 227 Brook street
28	M	72	Storekeeper ..	Morbus cordis ..	25-5-05 13 Rodney street
23	M	70	Dock checker ..	Bronchitis	3-10-04 30 Elgin street
28	M	79	Mas mariner's wid	Valvular dis of heart	22-6-10 54 Earl street
30	M	78	Labourer's widow	Senility	2-9-09 9 Willaston place
28	M	44	Labourer	Carcinoma of liver	25-5-10 25 Queen's place
30	M	59	Dock labourer ..	Fracture of skull, &c	8-11-09 56 Brassey street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age.	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
July 2	M	36	Labourer ..	Acute phthisis ..	2-5-10 53 Patten street
2	M	8	Labourer's son ..	Pott's curv of spine ..	23 5-10 12 Leicester street
5	M	67	Jobbing gardener ..	Morbus cordis ..	23-3-93 12 Leicester street
10	M	59	Sign writer ..	Bronchitis ..	2-7-10 40 Willmer road
9	M	62	Cab driver ..	Gastric ulcer ..	20-6-10 205 Brook street
12	F	75	Gardener's daugh ..	Hemiplegia ..	23-4-09 2 Cardigan street
11	M	79	Striker ..	Morbus cordis ..	28-4-99 128 St Anne st
12	M	1m	Dressmaker's son ..	Prematurity ..	6-6-10 56 Church road
13	M	65	General labourer ..	Phthisis pulmonalis ..	12-11-07 12 Burton street
5	F	50	Labourer's wife..	Mitral stenosis ..	28-4-10 Birkenhead
26	M	19	Able seaman ..	Morbus cordis ..	29-11-09 Birkenhead
29	F	42	Domestic servant ..	Cancer of breast ..	9-7-09 77 Victoria road
31	M	60	Iron driller ..	Morbus cordis ..	23 5-10 102 Camden street
Aug. 1	M	45	Ship's fireman ..	Phthisis pulmonalis ..	14 4-10 7 Parkfield place
2	M	57	Railway foreman ..	Chronic Bright's dis ..	7-1-07 11 Helmingh'm rd
Jul. 31	F	63	Wareh'seman's wif ..	Cancer of stomach ..	15-6-10 115 Vittoria street
Aug. 1	M	19	Labourer's son ..	Phthisis pulmonalis ..	31-8-09 121 Brook street
5	F	30	Labourer's daugh ..	Valvular dis of heart ..	26-4-10 6 Payson street
8	F	10m	Labourer's daugh ..	Acute bronchitis ..	2-8-10 3 Abbey terrace
9	F	11m	Labourer's daugh ..	Whooping cough ..	11-4-10 15 West view
7	M	11m	Actress's son ..	Tabes mesenterica ..	8-6-10 Birkenhead
10	M	34	General labourer ..	Enteric fever ..	22-7-10 30 Oaktree place
11	F	42	Labourer's widow ..	Basal meningitis ..	22-7-10 23 Wood street
16	F	61	Labourer's widow ..	Acute nephritis ..	15 9-08 St Anne street
19	F	69	Chemist's widow ..	Chron heart disease ..	2-8-10 28 Sussex street
21	F	30	Domestic servant ..	Morbus cordis ..	30-5-10 48 Patten street
20	M	44	Saddler ..	Bronchiectasis ..	5-11-07 75 Market street
20	M	7m	Labourer's son ..	Gastro-enteritis ..	2-6-10 15 St Anne street
23	M	80	Night watchman ..	Morbus cordis ..	1-4-08 40 White street
24	M	30	Labourer ..	Paraplegia ..	19-8-10 9 Romilly street
26	F	44	Carriage exam wif ..	Phthisis ..	20 8-10 42 Fox street
30	F	38	Labourer's wife ..	Acute bronchitis ..	28-7-10 25 B'k St Anne st
30	F	10m	Servant's daugh ..	Gastro enteritis ..	24-8-10 25 Up'r Brassey st
31	M	38	General labourer ..	Phthisis ..	20 8-10 1 Queen's B'ld'gs
31	M	52	General labourer ..	Cere hæmorrhage..	24 8-10 16 Clifton crescent
Sept. 1	M	6m	Labourer's son ..	Gastro-enteritis ..	28-7-10 38 B'k St Anne st
Aug. 31	F	43	Labourer's wife..	Carcinoma of breast ..	2-2-10 1 Connaught st
Sept. 1	M	63	Cotton porter ..	Cere hæmorrhage..	24-8-10 24 Lord street
1	F	76	Labourer's widow ..	Pyæmia ..	16 4-10 7 Bedford street
2	F	54	Carter's widow ..	Morbus cordis ..	19-7-10 37 Brunswick st
4	M	67	House painter ..	Bronchitis ..	6 7-10 9 Howson street
5	F	71	Charwoman ..	Cancer of kidney ..	30-8-10 11 Richmond cotts
2	F	72	Labourer's widow ..	Erysipelas ..	9-1-04 24 Eldon place
3	M	60	General labourer ..	Morbus cordis ..	23-8-10 37 Vulcan street
8	F	31	Steward's wife ..	Phthisis ..	20-5-10 2 St Mary's gate
10	M	38	Dock labourer ..	Phthisis ..	9-6-09 9 Vine street
12	M	21	Painter's labourer ..	Phthisis (rapid) ..	30-6-10 30 White street
14	F	43	Coalheaver's wife ..	Cere hæmorrhage..	14-9-10 20 Payson street
17	F	73	Water Insp widow ..	Hemiplegia ..	19-7-10 9 Curzon avenue
19	F	8m	Cop winder's dau ..	Gastro-enteritis ..	14-7-10 46 Cottage street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Sep. 22	F	54	Beerh'se k'p'r wid	Cancer of uterus ..	12-9-10 6 Walker's place
22	M	59	Dock labourer ..	Cancer of jaw ..	25-7-10 22 Brook place
24	M	70	Formerly a sawyer	Cardiac failure ..	6-9-10 50 Price street
25	F	90	Joiner's widow ..	Senility ..	21-2-10 10 in 12 Fox st
Oct. 1	M	60	Coalheaver ..	Phthisis pulmonalis	2-2-09 11 Oak street
2	M	83	General labourer	Morbus cordis ..	30-9-10 140 Chester street
4	F	11	Fireman's daugh	Spinal degeneration	10-5-10 30 K Queen's bdgs
5	F	71	Carpenter's widow	Cerebral softening	9-11-09 Home Aged, B'he'd
8	F	66	Blacksmith's wid	Senility ..	24-6-08 374 Brook street
10	M	70	Joiner ..	Bronchitis ..	27-9-10 32 Market street
11	M	59	Cab driver ..	Cere hæmorrhage ..	1-9-10 5 Nelson street
11	M	55	Ship's steward ..	Bronchitis ..	10-10-10 51 Bentinck street
12	M	56	Cooper ..	Locomotor ataxy ..	1-3-97 5 Dacre street
12	M	74	Cab driver ..	Old age ..	11-10-10 3 Shaw place
14	M	25	Labourer ..	Phthisis pulmonalis	13-9-10 181 Grange road
17	M	80	Joiner ..	Old age ..	21-3-10 16 Church terrace
20	F	77	Police cons wid ..	Gangrene of foot ..	8-9-10 93 St Anne street
15	M	77	Commission agent	Hemiplegia ..	14-12-07 154 Argyle st so'th
19	F	6m	Labourer's daugh	Tabes mesenterica	27-8-10 Birkenhead
21	F	69	Bootmaker's wid	Senility ..	27-5-10 50 Greenway road
23	F	66	Bootmaker's wife	Senility ..	10-8-09 6 Clare street
17	M	½ hr	Carter's son ..	Premature birth ..	17-10-10 56 Church road
17	F	½ hr	Carter's daughter	Premature birth ..	17-10-10 56 Church road
26	M	76	Honse painter ..	Cere hæmorrhage ..	26-2-09 56a Beckwith st
21	M	52	General labourer	Phthisis pulmonalis	18-8-09 115 Market street
21	M	71	Tailor ..	Morbus cordis ..	1-8-07 4 Pensby street
24	M	7m	Carter's son ..	Marasmus ..	10-9-10 9 Payson street
24	F	1m	Greaser's daugh ..	Broncho-pneumonia	24-10-10 24 Park street
29	F	63	Clerk's widow ..	Bronchitis ..	11.5.06 20 Church terrace
30	F	70	Labourer's daugh	Morbus cordis ..	26.10.10 46 George street
31	F	4m	Servant's daugh	Tabes mesenterica	29.6.10 11 Queen's place
Nov. 2	M	68	Carter ..	Bronchitis ..	3.7.09 8 St Mary's gate
3	F	32	Labourer's wife ..	Phthisis pulmonalis	27.9.10 39 Salisbury st
2	F	29	Seaman's daugh	Friedrich's ataxia ..	15.11.07 49 Ivy street
2	F	50	Painter's widow ..	Morbus cordis ..	22.10.10 27 Star street
4	M	59	General labourer	Phthisis pulmonalis	7.10.10 2 Waterloo place
7	F	57	Carpenter's daugh	Carcinoma of rectum	7.10.10 1 Bertha street
4	M	17	Labourer's son ..	Phthisis pulmonalis	23.9.10 1 Queen's build'gs
5	M	24	General labourer	Morbus cordis ..	4.11.10 Birkenhead
4	F	68	Domestic cook ..	Cerebral apoplexy ..	4.11.10 16 Wilkinson st
9	M	59	Butcher ..	Morbus cordis ..	27.9.10 17 Taylor street
11	F	42	Labourer's wife ..	Morbus cordis ..	9.11.10 2 Chapel square
12	M	9	Boilermaker's son	Mastoid disease ..	24.10.10 54 Henry street
13	F	41	Labourer's widow	Pneumonia ..	12.11.10 11 Stewart place
12	M	63	Boilermaker ..	Strangulated hernia	9.10.99 5 Stafford street
14	F	71	Van driver's wid	Morbus cordis ..	29.4.10 23 Leicester street
14	F	30	Ship fireman's wid	Syphilis ..	10.11.10 21 Taylor street
15	M	2	Charwoman's son	Cancrum oris ..	22.10.10 10 Princes place
19	M	78	Labourer ..	Morbus cordis ..	27.10.10 Home for the Aged
22	M	24	Labourer ..	Phthisis pulmonalis	10.10.10 392 Brook street

SUPPLEMENT TO TABLE V.—*Continued.*

Date	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted
Nov 25	M	51	Barman	Morbus cordis ..	2.11.10 12 Parkfield place
25	M	24	Dental mechanic	Phthisis pulmonalis	16.4.10 17 Chatham road
24	M	62	Labourer ..	Acute pneumonia ..	23.11.09 100 Church street
25	F	42	Manager's wife ..	Laryngeal phthisis	22.11.10 72 Rodney street
27	M	63	Master blacksmith	Cerebral softening	8.7.09 23 Chapel street
26	F	68	Timber merch wid	Hemiplegia ..	20.7.09 20 Adelphi street
25	M	77	Platelayer ..	Morbus cordis ..	2.11.10 6 Waterloo place
27	M	75	Gardener ..	Bronchitis ..	23.8.05 214 Chester street
28	F	70	Storekeeper's wid	Senility ..	27.7.08 23a Church road
29	F	81	Land agent's wid	Morbus cordis ..	19.11.10 26 Maybank road
27	F	48	Spinster ..	Anæmia ..	23.6.85 Birkenhead
Dec. 1	F	71	Labourer's wife..	Morbus cordis ..	9.11.10 7 Getley street
4	M	53	Labourer..	Carc of stomach ..	3.10.10 15 Camden street
2	M	53	Goods porter ..	Morbus cordis ..	7.4.04 87 Vittoria street
8	M	52	Joiner ..	Locomoter ataxia ..	29.5.09 14 Edgar street
7	F	79	Carpenter's wid..	Old age ..	23.8.06 97 Brook street
6	F	36	Boiler scaler's wife	Nephritis ..	1.9.10 Birkenhead
7	F	65	Weaver's widow	Morbus cordis ..	17.7.06 226 Chester street
11	F	85	Labourer's widow	Old age ..	3.3.08 28 Pitt street
10	F	76	Labourer's widow	Old age ..	25.4.05 72 Price street
10	M	76	General labourer	Morbus cordis ..	1.1.10 1 Cavendish st
8	M	47	Out porter ..	Phthisis pulmonalis	28.7.10 Birkenhead
10	F	60	Labourer's widow	Morbus cordis ..	8.12.10 3 Priory court
8	F	68	Labourer's widow	Old age ..	25.4.05 12 Brook place
12	F	81	Labourer's wife ..	Heart disease ..	8.10.04 Birkenhead
12	F	1m	Labourer's daugh	Infantile debility ..	21.11.10 6 Wilson street
13	F	71	Shipwright's wid	Morbus cordis ..	14.5.03 5 Percy place
13	M	72	Dock labourer ..	Bronchitis ..	3.8.07 48 Bridge street
13	M	79	Steam tug engin'r	Carcinoma of liver	2.7.10 29 Pearson road
14	M	69	Market porter ..	Bronchitis ..	27.10.05 6 Waterloo place
15	M	44	Cotton porter ..	Carcinoma of liver	8.12.10 17 Raffles road
21	M	32	Ship's fireman ..	Politeal aneurism..	29.10.10 98 Oliver street
18	M	55	Labourer ..	Cere hæmorrhage ..	9.11.10 146 Chester street
19	M	73	Labourer ..	Cere hæmorrhage ..	20.11.88 104 Church street
22	F	9d	Servant's daugh	Prematurity ..	12.12.10 56 Church road
20	F	60	General servant..	Malig disof stomach	3.12.10 60 Oxtan road
22	M	14	Pavior's son ..	Cerebro spinal fever	23.12.10 27 Up'r Brassey st
25	F	70	Knocker-up's wid	Senility ..	9.2.10 29 Blucher street
21	F	80	Dectinsmith's dau	Senility ..	20.12.10 80 Camden street
28	F	61	Labourer's wife ..	Morbus cordis ..	13.12.10 16 Lunar street
25	F	64	Labourer's widow	Chronic bronchitis	15.8.10 6 Brook place
27	F	38	Labourer's wife ..	Cancer of uterus ..	3.9.10 85 Thomas street
28	F	33	Labourer's wife ..	Morbus cordis ..	16.12.10 6 Chapel place
28	F	75	Qu'rterm'ster's wf	Morbus cordis ..	10.10.10 77 Downham road
30	M	39	General labourer	Double pneumonia	27.12.10 45 Leighton road
30	F	76	Manager's widow	Fracture of left thigh	23.12.10 94 Maybank road









