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REPORT
ON THE
SANITARY CONDITION
OF THE
County Borough
OF
Birkenhead,
FOR THE YEAR 1904,

BY

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BIRKENHEAD :

WILSON & JONES, PRINTERS AND STATIONERS, 70 ARGYLE STREET.

1905.

HEALTH COMMITTEE
OF THE
BIRKENHEAD TOWN COUNCIL,
1904-1905.

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

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AND

HIS WORSHIP THE MAYOR
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THE CHAIRMAN OF THE ROAD AND IMPROVEMENT COMMITTEE
ex-officio.

Day of Meeting every alternate Tuesday at 4.30 p.m.

*Members of the Health Sub-Committee

†Members of the Hospital Sub-Committee

OFFICIALS
OF THE
PUBLIC HEALTH DEPARTMENT,
1904.

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. INST. CHEM., 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.

WILLIAM H. BROWN. ROBERT BARNES.

Inspector of Meat, Fish, and Slaughter Houses.

*JOHN M. CARNIE.

District Sanitary Inspectors.

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

*W. H. TILSTON.

Inspector of Workshops and Bakehouses.

HENRY MOUNTFIELD.

Inspector of Back Passages and Ashpits.

*ALBERT BILLINGHAME.

Inspector of Common Lodging Houses and Houses let in Lodgings.

WILLIAM SCOTT.

Disinfecting Inspector.

ISAAC TAYLOR.

Keeper of Disinfecting House.

H. ELLIS.

Scavenging Foreman.

ARTHUR WHITE.

Disinfecting Labourers.

ROBERT NIELD.

*JOHN JACKMAN.

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

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

PUBLIC HEALTH DEPARTMENT,

TOWN HALL, BIRKENHEAD,

20th May, 1905.

GENTLEMEN,

I have the honour of submitting to you my Thirteenth Annual Report to the Health Committee on the Sanitary Condition of Birkenhead, viz., that for the year 1904.

Trusting it may meet with the same favourable reception which has always been given on previous occasions.

I have the honour to be, Gentlemen,

Your obedient servant,

R. SYDNEY-MARSDEN,

MEDICAL OFFICER OF HEALTH.

COUNTY BOROUGH OF BIRKENHEAD

DURING 1904.

SHORT SUMMARY.

Area in Acres ...	3,850, or a little more than 6 square miles.
No. of Houses in the Boro', Dec. 31st ...	23,609
No. of Uninhabited Houses at time of Census ...	1,428
Population (at Midsummer) ...	114,814
Rateable Value ...	£606,465
1d. in the £ yields for General Purposes...	£2,375
1d. in the £ yields for Sanitary Purposes ...	£2,177
Number of Persons per Acre (Density of Population) ...	29·9
Number of Persons per House at time of Census ...	5·6
Birth Rate per 1,000 living ..	33·14
Death Rate do. ...	19·8
Zymotic Death Rate do. ...	4·0
Average Death Rate last 10 years (1894-1903) ...	18·7
Deaths of Children under 1 year of age to 1,000 Births	181
Percentage of Uncertified Deaths... ..	0·30

THE SANITARY CONDITION
OF THE
COUNTY BOROUGH OF BIRKENHEAD
DURING 1904.

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

In presenting this my Thirteenth Annual Report on the work done by the Public Health Department of the Borough, and particularly on that carried out during the year 1904, it is interesting to compare the work which has now to be performed with that of a few years ago.

With each succeeding year new Acts of Parliament have come into force increasing to a very large extent the duties to be carried out by your Committee, and by the Public Health Department, for which I am officially responsible, and it is no exaggeration to say that our work has almost doubled within the last five years, and tends to increase still further.

In the first place the population of the Borough, which at the time of the Census in 1901 was 110,915, had increased by the end of the year under review to 115,427, whilst 2,497 new houses had been erected in the Borough within the same period. This

means considerable increase in the density (*i.e.* number of persons per acre) of population, which, without very special vigilance and sustained counteracting effort on your part, and on that of your officials, would soon bring up the death rate of the Borough and reduce the vital stamina of those who have to live in the congested districts.

It is satisfactory therefore to note that the health conditions of Birkenhead still maintain their favourable position as compared with the other great towns of the Country and of this immediate district. The means by which these results are obtained may be stated here as contained in the various Acts of Parliament already in force, and which we have constantly to administer; these may be summarised as follows, viz:—

- THE PUBLIC HEALTH ACT, 1875.
- BIRKENHEAD CORPORATION ACT, 1881.
- BIRKENHEAD CORPORATION IMPROVEMENT ACT, 1884.
- EPIDEMIC AND OTHER DISEASES PREVENTION ACT, 1883.
- COMPULSORY NOTIFICATION OF INFECTIOUS DISEASES ACT, 1889.
- INFECTIOUS DISEASES PREVENTION ACT, 1890.
- BIRKENHEAD CORPORATION ACTS, 1891 & 1897.
- PUBLIC HEALTH ACT AMENDMENT ACTS, 1879 to 1896.
- PUBLIC HEALTH (INTERMENTS) ACT, 1879.
- THE FOOD AND DRUGS ACTS, 1875, 1879, & 1899.
- THE MARGARINE ACT, 1887.
- CONTAGIOUS DISEASES (ANIMALS) ACTS, 1878—1886, under
which we deal with DAIRIES &c.
- SALE OF HORSEFLESH REGULATION ACT, 1889.
- THE FACTORY AND WORKSHOPS ACTS, 1891, 1895, & 1901.
- THE BAKEHOUSES REGULATIONS ACTS, 1883—1901.
- THE SHOP HOURS ACTS, 1892—1895.
- THE SEATS FOR SHOP ASSISTANTS ACT, 1899.
- THE CLEANSING OF PERSONS ACT, 1897.
- THE VACCINATION ACT, 1898.
- THE MIDWIVES ACT, 1902.
- EMPLOYMENT OF CHILDREN ACT, 1903.
- THE HOUSING OF THE WORKING CLASSES ACTS, 1885, 1890, 1903.

In connection with the carrying out of the provisions of these Acts, upwards of 7,000 nuisances are dealt with per annum, whilst a vast amount of other work, such as testing of drains, disinfecting premises &c., is constantly being carried out, particulars of which are given on subsequent pages of this report. But in connection with the administration of such Acts as the Shop Hours Act, the Midwives Act &c., and certain orders of the Local Government Board, it is impossible to summarise here the work which has had to be done. Your Chief Inspector of Nuisances and I have had to pay a very large number of visits to different premises, and, to have repeated interviews, with the persons affected by the new Acts.

Under the Act requiring the Notification of cases of infectious diseases, 3188 different Notifications were received, and the houses, bedding, clothing &c., disinfected after the disease, and 371 of these cases were treated in the Fever Hospital, and 37 in the Smallpox Hospital. Smallpox was introduced into the Town on three separate occasions, giving rise to 37 cases as stated above, but these were at once removed to hospital, and no further spread of the disease occurred.

The duties involved in carrying out the provisions of the Acts relating to the sanitary condition of Bakehouses are under a special Inspector, whilst the Chief Inspector and I have made systematic visits to all the bakehouses and confectioners' shops in the Borough, and this has resulted in a very great improvement in the sanitary state of these places. 670 visits were made to bakehouses during the year. 430 visits were made to different shops in connection with the Shop Hours Acts, and 206 visits in connection with the "Seats" for Shop Assistants Act; whilst some 1,700 visits were made to workshops in connection with the provisions of the Factory and Workshop Acts.

With regard to the supervision of the Food Supply of the Town, some 171 samples of different articles were taken

by the Inspector and submitted to the Public Analyst for analysis, and proceedings instituted in all cases showing adulteration. Shops for the sale of meat, fish and vegetables were also systematically visited, and the carcasses of all animals slaughtered at the Abattoirs, and Woodside were carefully examined. The numbers of animals to be dealt with during the year amounted to no less than 230,180 oxen, 13,088 sheep and lambs, 5,406 pigs, and 538 calves.

The Common Lodging Houses and houses let in lodgings were regularly and carefully inspected, special attention being given to the repression of over crowding and cellar occupation. And the scavenging of back passages and the removal of night soil had also to be supervised.

It will thus be seen that the work performed under your direction is very great; and when we consider the number of interests involved, and the many difficulties which have to be overcome, I must congratulate the Committee on the very small amount of litigation which we have had to encounter. The work done and the results so far achieved must, I think, be regarded as in every way satisfactory.

DETAILED STATEMENT OF THE WORK OF THE PUBLIC HEALTH DEPARTMENT DURING 1904.

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 1904 is as follows:—

	1904.
Number of nuisances reported	6363
Number of formal notices given	2243
Number abated after formal notice and without proceedings	6360
Number of cases in which proceedings were taken for ordinary nuisances	3
Number abated after proceedings... ..	3
House disinfecting notices... ..	1431
Nuisances at houses let in lodgings	17
Nuisances at common lodging houses	2
Notices for cleansing of filthy houses	5

A brief statement of the other measures taken in 1904 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	300
Houses or parts of houses specially disinfected by sulphurous acid or other disinfectants	2259
Notice to whitewash and efficiently cleanse milk- houses, cowsheds and dairies, given and complied with	370
Offensive privies ordered for conversion into water- closets	33
Parcels of infected bedding and clothes disinfected at the Disinfecting House	680
Parcels of infected or discarded bedding and clothes destroyed	623
Carcases of dogs and cats &c. removed from pools or waste land and buried	111
Deposits of putrid fish and other objectionable refuse removed	3
Total	4379

In addition to the above, the following work was done:—

Number of excavations made for the purpose of		
testing the condition of house drains	257	
„ smoke tests applied to drains of		
premises reconstructed under the		
supervision of this Department	... 179	
„ water tests applied to drains.	... 282	
„ smoke tests applied to the drains		
of new buildings, in conjunction with		
the Borough Surveyor's Department	693	

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 1904.

		Number of Visits and Revisits made to Insanitary Property.
District I.—Inspector Fitzgerald		5969
„ II.— „ Lee		3765
„ III.— „ H. T. Taylor		4553
„ IV.— „ W. H. Tilston		5988
Disinfecting Inspector Isaac Taylor		13215
Total		33490

Smoke Nuisances.—Seventeen observations were taken of the smoke emitted from the factory and other chimneys of the Borough during the year 1904.

In three cases the Health Committee felt called upon to prosecute the offenders against the Acts, and penalties and costs were imposed by the magistrates in each case.

The reduction of the smoke nuisance is one which is very carefully watched by the Inspectors, and much benefit has resulted in the past by their vigilance in this matter.

Inspection of Common Lodging Houses and Houses let in Lodgings.

The following is a statement of the work performed during the year 1904 by the Inspector of Common Lodging Houses and Houses let in Lodgings, viz:—

REGISTERED COMMON LODGING HOUSES.

Day Inspections	...	...	...	...	...	814
Night Inspections	..	...	...	...	...	116

The total number of registered lodging houses is fourteen.

REGISTERED HOUSES LET IN LODGINGS.

Day Inspections	...	...	...	...	...	4350
Night Inspections	...	...	...	...	...	28

The total number of houses let in lodgings on the register at the end of 1904 was 598.

FACTORY AND WORKSHOP ACTS, 1878 to 1901.

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

- 1700 visits have been made to workshops.
- 670 visits have been made to bakehouses.
- 12 visits have been made to workplaces.
- 68 visits have been made to homeworkers premises.

- 35 workshops, including 10 bakehouses, have been placed on the register during the year, making a total of 377 up to the end of 1904, of which 72 are bakehouses and 20 are confectioners' shops.
- 36 workshops have been closed.
- 16 workshops have been transferred to more suitable premises.
- 303 nuisances in connection with workshops have been reported and abated.
- 50 notices have been served for the abatement of nuisance arising out of defective drainage, and 15 for inefficient ventilation.
- 72 notices to cleanse and limewash the workshops have been served and complied with.
- 24 occupiers of workshops have limewashed their premises under inspection, but without waiting for the formal notice.
- 2 case of overcrowding has been reported during the year.
- 7 new workshops and removals have been notified to H.M. Inspector of Factories as referred to in section 3, subsection 3, of the Act.
- 2 workshops have been provided with w.c. accommodation, where none previously existed.

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.—90 visits were made during the year to the 20 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 670 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 430 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.]

71 premises have been visited under this Act, and 206 visits made during the year ending 1904.

**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 1904.

The total weight of the meat destroyed amounted to 222,860 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 1904 was 229,182 and 8 sheep, and 129 oxen and 232 sheep were killed at Wallasey Stage and 1,140 sheep at No. 4 Shed, within our jurisdiction. At the Abattoirs in New Chester Road there were killed 879 beasts, 6852 sheep, 3856 lambs, 538 calves, and 5406 pigs; a total of 17531.

In addition to the above 216-lbs of fruit and vegetables, 154-lbs of fish, 448-lbs of eggs were siezed and destroyed as unfit for food.

**Proceedings taken under the "Sale of Food and Drugs Acts,
1875 to 1899."**

The Chief Inspector (Mr. William Dawson) gives the following summary of proceedings taken under these Acts during 1904.

The total number of samples taken during the year was 171, viz.—Arrowroot 1, Brandy 2, Butter 47, Cheese 10, Coffee 2, Cream of Tartar 3, Gin 1, Ground Ginger 2, Lard 10, Margarine 3, Milk 64, Mustard 1, Oatmeal 6, Pepper 1, Rum 2, Sweets 9, Vinegar 6, Whiskey 1.

Out of the above, 6 samples of Milk, and 1 of Butter, were reported adulterated by the Public Analyst, and proceedings were taken in each case, the results of which are as follows, viz.—

Quarter Ending	No.	Article.	Amount of Adulteration.	Penalty imposed excluding Costs.
1904.				£ s. d.
March 31	16	Milk ..	2 % of added water	1 3 0
" "	27	Milk ..	Deficient of 6 % of fat	1 3 0
" "	29	Milk ..	" 16 "	2 10 0
June 30	1	Milk ..	" 36 "	5 0 0
September 30 ..	10	Milk ..	" 23 "	1 3 0
" "	18	Butter ..	Margarine ..	1 5 0
December 31 ..	32	Milk ..	13 % of added water	0 3 6

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 168, in addition there are 16 cowsheds, and 47 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, and also the information on which the remarks with reference to meteorological conditions and epidemics are based.

1904				Mean Tempera- ture	Mean Barometer	Rainfall 1 ft. above ground
				°	Inches	Inches
January	..	..	..	39.8	29.858	2.090
February	..	..	..	38.2	29.523	3.599
March	..	..	..	40.4	29.980	1.793
April	..	..	..	47.6	29.879	1.075
May	..	..	..	52.0	29.913	2.105
June	..	..	..	56.6	30.039	1.331
July	..	..	..	62.3	29.998	1.344
August	..	..	..	59.5	29.976	3.529
September	..	..	..	55.6	30.044	2.782
October	..	..	..	50.6	30.079	1.484
November	..	..	..	44.2	30.004	1.538
December	..	..	..	39.5	29.877	2.505

Mean Barometer for the whole year=29.931 inches.

Mean Barometer for the past 38 years=29.921 inches.

Total amount of rainfall at Bidston, 1904=25.175 inches.

Number of wet days in year=28.745 inches.

Barometer.—The mean barometer of 1904 (29.931 inches) was higher than in recent years and 0.01 higher than the average mean of the last 38 years. The greatest wind storm during the year was on December 30th, when it varied from 64 to 25 miles per hour. On April 6th the wind varied from 63 to 22 miles per hour, and on October 6th from 65 to 8 miles per hour. There were nine absolutely calm hours in which there was no wind, these occurred on March 2nd two hours, and June 3rd, 23rd and 29th, July 11th and 21st, August 27th, and September 13th, one hour each day. 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 1904, 25·175 inches, was lower than usual and 3·656 inches less than the average of the previous thirty-seven years.

Year.	Total Amount Rainfall in inches at Bidston	No. of wet days in the year	Year.	Total Amount Rainfall in inches at Bidston	No. of wet days in the year
1867	25·089	179	1886	34·620	217
1868	25·048	172	1887	20·821	161
1869	29·880	186	1888	24·090	210
1870	24·267	157	1889	27·373	199
1871	27·208	179	1890	26·820	199
1872	45·664	236	1891	31·643	194
1873	23·700	186	1892	33·032	211
1874	25·407	192	1893	24·537	181
1875	29·365	187	1894	27·912	202
1876	30·234	177	1895	26·265	172
1877	39·230	220	1896	26·633	196
1878	28·548	190	1897	28·580	189
1879	29·795	186	1898	25·719	183
1880	31·338	163	1899	27·807	186
1881	30·668	182	1900	32·054	208
1882	34·472	207	1901	25·192	190
1883	28·930	192	1902	25·566	200
1884	25·277	181	1903	34·418	224
1885	29·525	196	1904	25·175	196

Average rainfall for 37 years=28·831 inches.

The connection between Meteorological Conditions and Epidemics.—In endeavouring to trace any connection between meteorological conditions and epidemics, it is obvious that there are only two circumstances likely to have any effect. First, temperature, and secondly, rainfall or humidity; and with regard to the first, since the temperature curve will always have a maximum in the summer, and a minimum in the winter, it seems more important to consider the *variations of temperature from the normal condition* than the absolute temperature itself. Exceptional circumstances cannot be explained by ordinary phenomena, and the weekly variations of both temperature and rainfall from the regular amounts have therefore been tabulated for a number of years. These variations are set down in the following table for the year 1904.

Weekly Return of Cases of Scarlet Fever, Measles, Typhoid,
and Diphtheria notified during 1904, and the weekly
variations of Temperature and Rainfall.

Week ending	No. of week since Jan. 1st, 1904	Excess of rain in inches	Excess of temp. in degrees F.	Scarlatina		Measles		Typhoid		Diphtheria	
		Inches	°	No. of cases Rep- orted	No. of Deaths	No. of cases Rep- orted	No. of Deaths	No. of cases Rep- orted	No. of Deaths	No. of cases Rep- orted	No. of Deaths
Jan.	9	+0.005	- 0.5	3	1	5	0	2	0	4	0
	16	+ .076	+ 1.6	12	0	1	0	5	0	0	1
	23	- .339	+ 1.9	15	0	4	0	0	0	2	0
	30	+ .079	+ 1.4	9	0	1	0	2	1	1	1
Feb.	6	+1.153	- 2.3	5	1	1	0	3	0	4	0
	13	+ .278	- 1.9	15	1	13	0	1	0	4	0
	20	+ .419	- 2.1	9	1	7	0	4	0	2	2
	27	+ .039	- 3.3	6	0	6	0	8	0	2	1
March	5	- .417	- 7.7	13	0	3	0	6	0	2	0
	12	+ .083	- 2.6	12	0	9	0	3	1	0	0
	19	+ .238	+ 1.2	6	0	19	0	3	1	2	0
	26	- .300	+ 0.9	4	1	16	0	3	0	1	0
April	2	+ .270	- 1.1	4	0	9	0	2	0	4	0
	9	+ .071	- 0.3	6	0	17	0	1	1	2	2
	16	- .183	+ 1.2	7	0	6	0	2	1	2	0
	23	- .293	+ 0.7	6	0	8	0	0	0	0	0
	30	- .221	- 0.1	10	0	11	0	1	1	3	0
May	7	- .087	- 1.2	7	0	35	0	2	0	1	0
	14	- .145	+ 0.1	10	0	60	0	0	0	0	0
	21	- .334	- 0.7	9	0	56	0	2	0	0	0
	28	+ .541	+ 1.6	4	0	100	4	1	1	0	0
June	4	+ .382	+ 0.5	10	0	87	5	2	0	1	0
	11	+ .013	- 0.8	9	1	114	7	0	0	3	0
	18	- .230	+ 0.7	16	1	145	4	1	1	2	1
	25	- .317	- 2.9	10	0	106	5	0	0	4	0
July	2	- .551	- 0.7	10	1	109	5	2	0	3	1
	9	- .584	- 1.5	9	1	158	10	2	0	3	0
	16	- .624	+ 4.1	9	1	99	3	1	0	2	1
	23	- .560	+ 3.3	8	0	153	3	1	0	1	0
	30	+ .066	+ 1.5	10	0	97	8	2	0	3	0
Aug.	6	- .514	+ 4.5	13	0	86	4	3	0	4	1
	13	- .255	- 2.8	6	1	61	2	1	0	1	1
	20	+ .349	- 4.0	8	0	59	5	4	0	4	0
	27	+ .730	- 4.4	25	1	30	3	3	0	2	0
Sept.	3	+ .039	+ 1.9	14	0	29	3	1	1	0	1
	10	+ .270	- 0.8	7	0	38	2	2	0	0	0
	17	- .491	+ 0.1	17	0	33	1	4	0	1	0
	24	- .826	- 0.6	36	0	92	4	3	0	3	0
Oct.	1	- .252	- 0.9	19	1	47	3	1	0	4	0
	8	- .163	- 1.6	18	0	72	3	1	0	0	0
	15	- .803	- 1.2	9	0	59	5	3	0	3	1
	22	- .393	+ 5.8	11	0	47	3	3	0	0	0
	29	- .736	+ 1.2	15	0	23	3	2	0	3	0
Nov.	5	- .808	+ 3.6	14	0	18	1	1	1	2	1
	12	+ .019	+ 3.6	32	1	13	0	3	0	2	0
	19	- .718	+ 3.1	34	0	10	0	1	0	1	0
	26	- .202	- 6.0	22	1	6	0	2	0	0	0
Dec.	3	- .290	+ 2.2	16	1	9	1	0	2	4	1
	10	+ .359	- 0.3	9	1	7	0	2	0	0	0
	17	+ .652	+ 3.5	13	0	6	1	1	0	2	0
	24	- .566	- 7.7	8	1	5	0	0	1	3	2
	31	- .511	+ 1.1	18	2	7	0	0	0	0	2

Relative Mortality of different portions of the year.—The year's meteorology naturally introduces the next subject to be considered, viz.:—the distribution of the mortality over the four quarters, as the relative mortality of different portions of the year must necessarily be affected by the atmospheric conditions which have marked its progress. Of the sum of the deaths registered in Birkenhead Borough, 594 were entered to the first quarter, 502 to the second, 626 to the third, and 560 to the fourth. In the Union Hospital and Workhouse the number of deaths registered in the four quarters were respectively 80, 54, 46, and 56. Expressed in death rates per thousand living, the mortality of the whole Borough in 1904 was 20·6 in the first quarter, 17·4 in the second quarter, 21·8 in the third quarter, and 19·5 in the fourth quarter.

PREVALENCE OF ZYMOTIC SICKNESS DURING 1904.

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 with a statement of cases of sickness due to some of the chief 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	
Measles	
Scarlatina	
Diphtheria	
Membranous Croup	
Erysipelas	

The cases notified appear in the following return, showing that 3188 cases were notified during the year, being 1738 more than the number notified last year; the epidemic of measles, of which disease 2212 cases were notified, accounts for a very large proportion of these.

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

1904	Smallpox	Measles	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Puerperal Fever.	Fever	Cholera	Mem. Croup	Erysipelas	TOTAL
January....	..	14	39	6	..	7	..	1	..	1	10	78
February ..	..	28	40	12	..	12	5	1	..	2	3	103
March	26	56	39	7	..	23	1	..	..	1	9	162
April	2	43	25	8	..	4	1	..	..	2	3	88
May	8	303	36	3	..	6	..	1	..	3	6	366
June	1	507	45	10	..	4	1	1	..	1	9	579
July	..	498	40	11	..	4	..	2	..	..	7	562
August	1	247	61	9	..	11	1	..	..	..	8	338
September..	..	231	82	4	..	10	1	..	..	1	1	330
October	..	210	58	8	..	8	3	..	..	1	2	290
November..	2	49	109	7	..	8	..	..	..	4	7	186
December ..	..	26	53	12	1	6	2	..	..	1	5	106
	40	2212	627	97	1	103	15	6	..	17	70	3188

And the next Table the number of cases of the different diseases notified in each year since 1882, when compulsory notification came into force.

The statement is as follows:—

Year	Smallpox	Measles	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Fever	Mem. Croup	Cholera	Erysipelas	TOTAL
1882	..	615	152	9	99	86	25	..	1	..	987
1883	3	548	169	19	42	76	17	..	..	..	874
1884	131	941	277	13	17	74	9	..	1	..	1463
1885	24	1001	556	21	1	38	2	..	..	..	1643
1886	6	595	617	24	18	58	4	..	..	..	1332
1887	..	1334	914	21	8	142	4	..	..	..	2435
1888	..	819	438	36	13	234	2	..	..	..	1546
1889	..	1057	262	30	..	191	1	..	..	..	1554
1890	..	1620	247	35	64	182	1	..	..	..	2166
1891	..	524	180	28	38	197	2	..	..	..	1007
1892	12	1542	218	25	10	150	4	..	..	..	1966
1893	15	540	421	77	4	221	9	..	..	..	1298
1894	12	1818	379	133	7	194	6	..	..	..	2565
1895	3	258	430	142	3	192	12	9	..	..	1081
1896	..	2166	606	115	..	149	6	1	..	..	3078
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

SMALLPOX.

On the 5th of March a case of smallpox was reported as existing at No. 6 West View, and a second one was suspected in the mother of the patient residing at No. 2 West View; there was a history of this latter patient having had two or three spots on one of the arms, but these had disappeared by the time the daughter developed the eruption. We could not discover where these people had got the infection, there was a history of their having attended a funeral party about a fortnight previously at Bootle, but no case of the disease was known to exist there, and the source of infection remained undiscovered. The patient was removed to the Smallpox Hospital and isolated, and all contacts were reported to the Public Vaccinator and with one exception vaccinated. Subsequently the husband of the woman took the disease, as did also her sister-in-law, who was nursing her, and in addition to these, her step-father and two lodgers in the house and a woman who visited her also became infected. About the same time an outbreak took place in the Workhouse Infirmary and spread to a number of the inmates, there were two or three cases reported as having rashes in one of the Wards and at the request of Dr. Stansfield, the Medical Officer, I visited the Workhouse and examined the cases with him, at this time we were not aware of the existence of the disease in the town. The rashes, however were not at all characteristic, but much more like chickenpox. The patients were all elderly men and old inmates who had not been going about and thus likely to get the infection. They had no initial temperatures and little or no constitutional disturbance, and we came to the conclusion that these men had chickenpox, and I am still of that opinion. However, on the 12th March, an undoubted case of smallpox occurred in a different ward of the Workhouse Hospital, and subsequently from the 16th to the 29th March ten other cases occurred amongst the inmates of that Institution—and in addition, the visiting Chaplain became infected with disease. Two women who had been visiting their father in the same ward some days previous to the outbreak being discovered, also sickened and developed the eruption.

Another woman visited the Workhouse on the 12th, 13th and 14th February, she was ill with backache and headache &c., but no doctor was called in, and whether she had any eruption or not is unknown. Her husband who returned from sea on March 1st, was reported as suffering from the disease on March 18th, and it seems possible that this woman may have been the original source who introduced it into the Workhouse, but we have not been able to prove it; nor have we been able to trace from whence she could have become infected. On March the 22nd, another case occurred in a Common Lodging House in Ivy Street; the patient was not proved to have been in contact with any of the previous cases, nor was the source of his infection ever discovered, but it is possible that some passing tramp who may have stayed for a night in the lodging house may have brought it to him. This, however, is pure conjecture.

By the middle of June the disease had been entirely stamped out. However, another case occurred in August, and two more cases were reported in November; these were at once isolated and no further spread of the disease took place—we were not able to trace their origin.

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

The estimated number of persons living at Midsummer 1904, was 114,814, and on this estimate I have based the following statistics.

The total number of houses in the Borough at the time of the 1901 census was 21,172, and the number built since that time up to 31st December 1904 was 2497, and the number demolished

in the same period was 60, a net gain of 2437, giving a total for the Borough at end of the year 23,609. 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 200 and 300.

The number of new houses built during the eleven years, 1891-1901, is 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
			—
Total	...	...	2497

The number of houses demolished since taking of Census to end of 1904 is 60.

Taking the total number of houses in the Borough as given above viz. 23,609, and allowing 1,500 as uninhabited (there were 1,428 uninhabited at the time of the Census), then we have 22,109 inhabited houses in the Borough on the 31st December, 1904—if we multiply this by 5·6 the number of persons per house at the time of the Census, then the population of the Borough at the end of the year ought to be 123,809, or about 8,382 more than the number estimated (115,427) by the usual method of arithmetical progression employed by the Registrar General. Of course, if this is correct then our birth and death rates would be very considerably lower than those shown, which as stated above are calculated on the ordinary estimate.

Births and Deaths in Birkenhead.—During the year 1904 the returns of the local registrars recorded 3805 births and 2282 deaths in the Borough of Birkenhead. The natural increase in the population in 1904 was therefore 1523. Of the births 1940 were males and 1865 were females; of the deaths 1179 were males and 1103 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 Work-house are entered separately.

BIRTHS	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1904		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	271	303	278	277	338	258	283	276	1170	1114	2284
Claughton	11	16	8	7	9	13	11	9	39	45	84
Tranmere	151	167	162	182	183	129	156	162	652	640	1292
Oxton	13	4	4	4	8	6	6	6	31	20	51
Bebington	3	3	6	3	10	6	4	5	23	17	40
Union Hospital	10	6	6	4	3	7	6	12	25	29	54
Birkenhead Borough ..	459	499	464	477	551	419	466	470	1940	1865	3805

DEATHS	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1904		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	149	159	154	156	180	179	162	161	645	655	1300
Claughton	12	8	6	7	7	3	5	8	30	26	56
Tranmere	88	78	56	64	114	80	87	63	345	285	630
Oxton	5	5	2	..	3	6	3	4	13	15	28
Bebington	6	4	1	2	4	4	5	6	16	16	32
Union Hospital	49	31	28	26	21	25	32	24	130	106	236
Birkenhead Borough ..	309	285	247	255	329	297	294	266	1179	1103	2282

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 this year. These figures for the years 1878 to 1899 were given in my report for the latter year.

Year	Estimated Population at Midsummer	Persons per acre.	BIRTHS.		DEATHS.		ZYMOTIC DEATHS.	
			Number of Births	Birth rate per 1000 per annum	Number of Deaths	Death rate per 1000 per annum	Number of Deaths	Death rate per 1000 per annum
1904	114814	29·82	3805	33·14	2282	19·87	465	4·05

The proportion of Deaths of Infants under One year to the Births registered.—The proportion in Birkenhead Borough in 1904 was equal to 180 per 1000. In the seventy-five great cities and boroughs in England and Wales, amongst which Birkenhead is classed, the average proportion of deaths under one year to births registered in 1904 was 166. It varied greatly in the different towns, ranging from 87 in Hornsey to 229 in Burnley. In Liverpool it was 196, Wallasey 160, Bootle 183 and Stockport 203.

Birth-rates and Death-rates in thirty-seven great towns in England.—In order that the birth-rates and death-rates of the Borough of Birkenhead in 1904 may be compared with the corresponding rates of the most populous cities and boroughs in England, the following table has been compiled from a return given by the *British Medical Journal* from the Registrar General's Quarterly Returns of Births, Deaths, and causes of Death in London and the other great towns, 1904. The table gives the *estimated* population of the thirty-seven large towns at Midsummer 1904. The birth-rates and death-rates are for the fifty-two weeks ending December 31st. For comparative purposes these figures are interesting as they are all calculated on the same basis. They are of course unrevised returns. (*See Table on opposite page.*)

Out of the whole number of cities and boroughs in this list thirty-two had lower birth-rates, and thirty had lower death-rates than Birkenhead.

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

Table I. shows the deaths registered in the whole Borough during 1904, 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

Thirty-seven Great Towns—Population, Births, Deaths, &c., for the Year 1904.

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

CITIES AND BOROUGH.	Estimated Population at Midsummer 1904	Deaths.		Annual Rate per 1000 Living			Deaths from							Deaths of Children under one year of age to 1000 Births.	Rate per cent of Uncertified Deaths.	
		Births.	Deaths.	Births.	Deaths.	Principal Zymotic Diseases.	Small-Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-Cough.	Fever.	Diarrhoeal Diseases.			
London ..	4648950	126335	77094	27.9	16.6	2.18	9360	25	2261	365	729	1507	302	4801	146	0.2
Croydon ..	144419	3744	1988	26.0	13.4	1.42	204	..	60	7	25	14	6	92	130	..
West Ham ..	288424	9291	4733	32.3	16.5	3.33	988	..	172	39	44	102	32	598	162	0.2
Luton ..	110844	3171	1401	28.7	12.7	2.56	283	..	23	7	12	46	10	185	143	1.4
Brighton ..	126286	2961	2090	23.5	16.6	1.64	205	..	91	2	15	36	7	54	134	0.1
Portsmouth ..	198090	5579	3333	28.3	16.9	2.13	420	..	1	22	71	79	34	213	142	1.1
Southampton ..	112500	3003	1542	26.8	13.7	1.08	121	..	..	1	12	17	2	89	115	..
Norwich ..	115388	3183	2101	27.6	18.2	2.91	334	..	132	3	8	39	16	136	180	0.7
Plymouth ..	114003	2889	2108	25.4	18.5	2.53	288	..	79	36	14	27	16	116	172	0.1
Bristol ..	343204	9155	5346	26.7	15.6	1.64	560	1	101	38	103	116	26	175	134	0.4
Wolverhampton ..	98194	2905	1516	29.9	15.5	2.71	267	..	..	15	18	59	13	162	155	0.6
Birmingham ..	537965	16933	10466	31.6	19.9	3.42	1838	..	204	65	127	457	40	945	197	2.7
Leicester ..	224186	5946	3244	26.6	14.5	1.97	443	5	32	4	6	88	14	294	167	1.0
Nottingham ..	248311	6879	4391	27.6	17.7	2.58	643	12	45	27	70	90	58	341	176	0.8
Derby ..	120449	3285	1838	27.4	15.3	1.40	169	3	15	4	30	28	7	82	143	0.1
Stockport ..	97008	2560	1901	26.5	19.7	3.07	297	14	65	21	15	8	10	164	203	0.3
BIRKENHEAD ..	114814	3796	2249	33.2	19.6	3.71	426	1	103	20	28	84	14	176	181	0.3
Wallasey ..	60354	1673	916	27.8	15.2	2.69	162	..	34	8	12	44	7	57	160	1.5
Liverpool ..	723430	24277	16296	33.7	22.6	4.65	3853	1	676	141	193	418	107	1817	196	3.2
Bootle ..	61755	1921	1208	31.2	18.0	4.17	257	..	52	13	17	40	2	133	183	3.6
St. Helens ..	88545	3321	1845	37.6	20.9	4.21	373	3	132	15	21	49	11	142	177	4.9
Bolton ..	175744	4698	2964	26.8	16.9	2.28	399	1	13	22	28	132	38	165	168	0.5
Manchester ..	557938	17391	11897	31.3	21.3	3.09	1726	10	425	82	96	280	69	764	187	1.9
Salford ..	228983	7262	4837	31.8	21.2	4.37	997	3	253	56	113	141	52	379	192	0.4
Oldham ..	139497	3466	2531	24.9	18.2	2.31	323	14	66	21	35	38	22	127	156	0.2
Burnley ..	100969	2857	1957	26.6	19.5	3.93	393	..	103	13	12	45	19	201	229	1.7
Blackburn ..	132134	3086	2231	23.4	16.9	2.36	311	..	63	13	11	96	21	107	191	2.8
Preston ..	115055	3223	2263	28.1	19.2	2.93	396	7	73	6	23	32	31	164	185	3.3
Huddersfield ..	94925	2243	1658	23.7	17.5	1.91	181	1	76	10	14	24	8	48	136	1.6
Bradford ..	285089	6276	5016	22.1	17.6	2.42	690	3	147	44	162	49	48	237	166	0.7
Leeds ..	450142	12662	8089	28.0	18.0	2.56	1153	2	343	59	47	209	49	444	175	0.2
Sheffield ..	432940	13802	7260	32.0	16.8	2.20	949	1	33	87	47	148	50	583	158	2.8
Hull ..	258865	7885	4699	31.0	18.6	3.52	894	5	180	13	63	67	39	527	178	1.1
Sunderland ..	151157	5194	2834	25.8	19.5	2.33	353	2	60	3	27	64	32	165	164	3.4
South Shields ..	107334	3644	1916	34.0	17.9	1.76	188	7	29	7	13	62	8	62	145	5.0
Newcastle-on-Tyne ..	225362	6894	4352	30.5	19.4	1.79	402	18	56	25	49	130	10	114	156	0.3
Cardiff ..	176313	5208	2908	29.6	14.8	1.80	316	1	64	24	31	60	9	127	146	0.2

first, deaths in Tranmere (exclusive of the Union premises) and Oxtun in the second, the deaths in the incorporated portion of Higher Bebington in the third, and the deaths in the Union Hospital and Workhouse in the fourth. The deaths of infants are entered up in three columns—those under one year, those of one year and under two years, and those turned two years and under five. Then follow the deaths of children and young persons, those turned five years and under twenty; and of adults those turned twenty and under forty, and those turned forty and under sixty. In the last two columns are the deaths of old people, those turned sixty and under eighty, and those of eighty and upwards. Reference to this table will show that, of the gross local mortality for 1904, the deaths of infants under one year of age accounted for 688, those over one year but under five years of age 375, children and young persons 107, adults 552, old people sixty years of age and upwards 560.

The relative proportion of deaths in 1904 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						80 years and upwards
		1—2	2—5	5—20	20—40	40—60	60—80	
Birkenhead and Claughton	18·9	7·2	4·9	2·9	5·3	7·7	10·2	1·1
Tranmere and Oxtun	10·2	2·4	1·4	1·4	2·5	3·8	6·4	1·1
Bebington	0·1	..	0·08	0·08	0·1	0·1	0·6	0·1
Union Hospital and Workhouse	0·7	0·1	0·04	0·2	1·7	2·5	3·9	0·8
Birkenhead Borough	30·1	9·9	6·5	4·5	9·8	14·3	21·2	3·2

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 1904. The deaths are entered as in Table I., into four sub-tables, representing Birkenhead and Claughton,

Tranmere, Oxtun and 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 also those which, with almost equal vagueness, are classified as due to "tumour," "coma," &c. The deaths from specified causes are then divided into five classes. Class I. (the zymotic) embraces all diseases, either epidemic, endemic, or contagious, which are induced by some specific body, or by want of, or by the bad quality of food. The diseases coming under Class II. (constitutional or cachectic) appear to be due to a bad habit of body, and possibly may sometimes be hereditary. Class III. takes in diseases the effects of which are manifest in disturbing or obliterating the function of particular organs or systems. Class IV. includes the conditions tending to produce death, which are the incidental results of the formative, reproductive, and nutritive processes. Class V. groups together all deaths which are the evident and direct result of physical or chemical forces.

Of the 2282 deaths registered in the Borough during 1904, 2279 were ascribed to specified causes; that is to say 465 to

zymotic diseases, 335 to constitutional diseases, 1085 to local diseases, 339 to developmental diseases, and 58 to violence. The proportion of deaths from zymotic diseases to the whole number of deaths was thus 20·3 per cent. The proportions which deaths ascribed to zymotic diseases bear to deaths from all causes is, however, a matter of no great significance, as of course the general death-rate varies considerably from year to year, and any increase in the fatality of non-zymotic diseases, such as phthisis or pneumonia (which are closely allied to zymotic diseases) makes the proportion of deaths from zymotic diseases compare more favourably.

Deaths from Zymotic Diseases.—The deaths from zymotic diseases include 169 by what have been termed the chief zymotics (certain diseases belonging to the miasmatic order), viz., smallpox 1, measles 98, scarlatina 20, diphtheria 20, membranous croup 8, fevers 15, and puerperal septicæmia 7. The remaining 296 were entered to what have been called minor zymotics (diseases less prevalent, less fatal, or less obviously zymotic in character), viz., whooping cough 83, erysipelas 5, influenza 11, diarrhœa 187, syphilis 5, dysentery 3, and other zymotic diseases 2.

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	Diarrhœa	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	Diarrhœa
1899	...	50	5	21	82	1	48	71	...	0·43	0·04	0·18	0·71	...	0·41	0·62
1900	...	7	3	6	28	...	16	80	...	0·07	0·03	0·06	0·25	...	0·14	0·72
1901	...	45	8	24	57	...	24	162	...	0·40	0·07	0·21	0·51	...	0·21	1·45
1902	2	36	20	23	60	...	43	63	0·01	0·32	0·17	0·20	0·53	...	0·38	0·56
1903	6	9	21	9	39	...	15	129	0·05	0·07	0·18	0·07	0·34	...	0·13	1·13
1904	1	98	20	20	83	1	13	187	0·008	0·85	0·17	0·17	0·72	0·008	0·11	1·6

The figures for the years 1878 to 1898 were given in my Report for 1898.

Inquests.—The number of inquests held during 1904 was 176, thus 7·7 per cent. of the sum of the deaths in the Borough formed the subject of official enquiries. Out of the 176 inquests held, 2 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 1904, out of the 2,282 deaths registered, 7 were marked "not certified," that is 0·3 per cent. The causes of the 7 deaths were entered in accordance with the statements of persons giving information to the registrars as follows:—

Whooping Cough ...	...	...	...	...	1
Pneumonia ...	...	...	...	...	1
Bronchitis ...	...	...	...	...	3
Premature Birth ...	...	...	...	...	1
Heart Disease ...	...	...	...	...	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, 0·30 per cent. as compared with 0·51 per cent. in 1903.

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 1904 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 submitted has been drawn up.

1904			Deaths from All Causes		Deaths from Zymotic Diseases	
			M.	F.	M.	F.
Cleveland	Ward	..	245	211	48	63
Cloughton	"	..	30	26	5	6
Grange	"	..	255	282	60	63
Argyle	"	..	145	162	28	39
Oxton	"	..	13	15	1	1
Egerton	"	..	112	103	22	16
Clifton	"	..	164	133	39	29
Mersey	"	..	69	49	18	16
Bebington	"	..	16	16	1	...
Birkenhead Borough including deaths in Union premises			1179	1103	226	239

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, 1904.

Registrar's Sub-District	Estimated Population 1904.	BIRTHS		ILLEGITIMATE BIRTHS		Total deaths of children under one year of age	Deaths of illegitimate children under one year of age	Proportion of deaths of illegitimates to total deaths under one year of age
		Legitimate	Illegitimate	to 1000 living	to 1000 births			
Birkenhead ..	62874	2234	50	0·4	13·1	416	22	3·19
Tranmere, Oxton, Cloughton, and Bebington ..	51940	1438	83	0·7	21·8	272	21	3·06
Total	114814	3672	133	1·1	34·9	688	43	6·25

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	11	12	16	11	50	3	4	8	7	22
Tranmere	17	24	14	28	83	2	11	5	3	21
Totals	28	36	30	39	133	5	15	13	10	43

HOUSING OF THE WORKING CLASSES ACT, 1890.

Under the provisions of this Act during the year 1904, I made the following representations under Part II. of the Act respecting the condition of certain sets of houses, which premises were in a very insanitary condition.

These representations were duly considered and approved by the Health Committee who gave instructions for the recommendations to be carried out. The areas dealt with are as follows:—

23rd February, 1904.—1, 2, 3, 4, 5, 6, 7, 8 and 9 Campbell Terrace and 1, 2, 3 and 4 Back Camden Street. These houses were in part re-constructed, repaired and made fit for habitation.

23rd February, 1904.—1 and 2 Mersey Cottages, Thomas' Court, Queen Street. These premises were closed and are no longer used for habitation.

23rd December, 1904.—6 Leicester Terrace, Leicester Street. This house was not repaired and is closed as unfit for human habitation.

It will also be seen that a considerable amount of work in Sanitary administration and improvements was accomplished during the year, and the results I trust will be satisfactory to the Health Committee.

I am, Gentlemen,

Your obedient servant,

R. SYDNEY-MARSDEN,

Medical Officer of Health.

PUBLIC HEALTH DEPARTMENT,
TOWN HALL,

31st MAY, 1905.

THE E. P. SMITH MEMORIAL CONVALESCENT FUND.

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 1904.

January	...	P.M.L.
June	...	M.A. W.
December	...	A.J.

The fund is now regularly used as far as possible.

THE INFECTIOUS DISEASES HOSPITAL,
TOLLEMACHE ROAD.

Report for the Year 1904.

HOSPITAL VISITING SUB-COMMITTEE.

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

„ „ WILLIAM GETLEY, J.P.

„ „ THOMAS SHAW.

„ COUNCILLOR MICHAEL BYRNE.

„ „ H. L. PEARSON, M.R.C.S.

MATRON:

MISS EMILY YEOMANS.

The Fever hospital consists of four isolation wards, containing twelve beds and two cots in each ward, and two observation wards containing four beds and two cots each. The total number of available beds is therefore fifty-six, and twelve cots in addition (these do not include the smallpox ward).

The floor space allowed for each bed in the hospital is 156 superficial feet, and the air space per bed 2,028 cubic feet.

The Nursing Staff consists of five charge nurses and ten assistant nurses.

The total number of patients treated in the hospital during the year (January 1st to December 31st) was 403; of these, 371 were admitted during the year, and 32 remained in hospital from 1903. Out of those admitted 20 died, giving a death-rate of 5·2 per cent nearly, a very low percentage.

The following table gives a summary of the cases treated in the hospital during the year 1904, along with the results obtained.

DISEASES	M.	F.	Re-covered		Died	
			M.	F.	M.	F.
Typhoid Fever—remaining ..	1	..	1	..	..	..
admitted ..	17	13	17	10	..	3
Scarlatina—remaining	13	18	12	18	1	..
admitted	144	170	140	163	4	7
Diphtheria—admitted	9	6	6	5	3	1
Typhus—admitted ..	1	..	..	..	1	..
Croup	1	..	..	..	1	..
Pneumonia	..	2	..	2	..	..
Ulcerated Throat	1	..	1	..	..	..
Cold and Colic	3	..	3	..	..	..
Measles	1	..	1	..	..	..
Chicken Pox	2	1	2	1	..	..
Total	193	210	183	199	10	11

In addition to the above, 1 case of death occurred from burns received before admission. In connection with the deaths from diphtheria, it should be mentioned that a greater number of the cases survive since the introduction of the anti-toxin treatment.

The smallpox hospital, containing 45 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.

Number of Patients.	M.	F.	Died.	
			M.	F.
Admitted 1904	26	11	1	1
Total treated during year ..	26	11	1	1

Thus out of 37 patients admitted, 2 died, giving a rate of 5.4 per cent.

Of the patients admitted into the hospital 2 had never been vaccinated, both of these patients recovered.

APPENDIX.

1—Vital Statistics of Whole District during 1904 and previous Ten years.

2—Vital Statistics of Separate Localities in 1904 and previous years.

3—Causes of and Ages of Death during 1904.

TABLE I.—Deaths Registered in the County Borough of Birkenhead during the year ending December 31st, 1904, classified according to age.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the year ending December 31st, 1904.

TABLE III.—Weekly Condensed Register of Deaths for 1904.

TABLE IV.—Weekly Condensed Register of Meteorological Results for 1904.

TABLE V.—Street Register of Deaths—1904.

SUPPLEMENT TO TABLE V.—Return of Deaths in Birkenhead Union Hospital and Workhouse, registered in 1904.

Vital Statistics of Whole District during 1904 and previous Years.

Year	Population estimated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT				Total Deaths in Public Institu- tions in the District	Deaths of Non- residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT	
		Number	Rate	Under 1 year of age		At all ages					Number	Rate
				Number	Rate per 1,000 Births registered	Number	Rate					
1894	103325	3246	31.4	461	142.0	1915	18.5	235	18	..	1897	18.2
1895	104412	3204	31.6	568	171.9	2116	20.2	255	19	..	2097	19.9
1896	105416	3477	32.9	629	180.9	2116	20.0	260	16	..	2100	19.7
1897	106629	3517	32.9	576	163.7	2042	19.1	270	14	..	2028	18.9
1898	107756	3432	31.8	641	186.7	1980	18.3	271	8	..	1971	18.2
1899	108894	3451	31.6	640	185.4	2214	20.3	342	12	..	2202	20.1
1900	110042	3428	31.1	543	168.4	1965	17.8	268	10	..	1955	17.7
1901	111202	3230	29.0	578	178.0	2073	18.6	348	20	..	2053	18.4
1902	112102	3646	32.5	554	151.0	2021	17.8	379	32	..	1989	17.7
1903	113343	3516	31.0	548	155.8	1937	17.0	119	32	35	1940	17.1
Averages for years 1894-1903	106312	3424	31.5	573	167.3	2037	18.7	277	18	..	2023	18.5
1904	114814	3805	33.14	688	180.8	2282	19.8	163	27	24	2244	19.5

Vital Statistics of separate Localities in 1904 and previous ten years.

Year	BIRKENHEAD (whole Borough)				BIRKENHEAD Sub-Registration District				THANMERE				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
1894	103325	3246	1897	461	59433	2070	1156	302	32849	967	503	137	4453	77	33	7	3644	70	30	4	2946	26	29	3	..	36	146	8
1895	104412	3304	2097	568	59812	2127	1288	397	33508	972	525	147	4466	55	52	6	3685	76	41	9	2941	44	39	2	..	30	152	7
1896	105416	3477	2100	628	60112	2232	1355	439	34165	1031	504	164	4476	71	41	5	3723	61	32	2	2940	38	25	4	..	44	143	7
1897	106629	3517	2028	576	60519	2256	1256	408	34839	1053	524	154	4497	62	32	1	3768	75	31	5	2946	31	26	1	..	40	159	7
1898	107756	3432	1972	641	60862	2154	1132	425	35616	1059	549	178	4516	64	49	6	3809	76	52	13	2953	38	17	3	..	41	173	16
1899	108894	3451	2202	640	61198	2150	1285	428	36352	1091	589	186	4537	64	39	7	3850	58	41	7	2956	47	37	5	..	41	211	7
1900	110042	3428	1965	543	61521	2165	1067	342	37108	1124	584	170	4559	45	43	4	3891	72	47	9	2963	41	25	6	..	41	189	12
1901	111204	3270	2053	578	61832	1951	1177	379	37888	1071	565	178	4583	51	41	2	3930	89	32	6	2971	38	21	1	..	30	217	12
1902	112162	3646	2021	554	61963	2204	1156	355	38384	1209	517	162	4596	57	44	5	3957	99	38	7	2973	29	18	8	..	48	216	15
1903	113343	3516	1937	548	62329	2113	1090	342	39437	1173	535	178	4604	57	25	2	3968	91	43	10	2975	37	31	0	..	45	213	16
Aver- ages of years 1894 to 1903	108312	3424	2026	573	60961	2136	1196	381	39040	1075	539	165	4528	60	39	4	3825	76	38	7	2956	36	24	33	..	39	181	10
1904	114814	3805	2282	688	62874	2284	1300	416	40301	1292	630	225	4619	51	28	10	4043	84	56	17	2977	40	32	4	..	54	236	16

Causes of, and Ages at, Death during Year 1904.

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	Tranmere	Clayton	Oxton		Bebington.	Workhouse
Smallpox	1					1		1		1					
Measles	98	30	63	5				98	79	18	1				
Scarlet fever	20		16	4				20	14	5	1				
Whooping-cough	83	42	41					83	54	25		1		3	
Diphtheria and membranous croup	28		20	8				28	17	9	2				
Croup	2		2					2	1	1					
Fever { Typhus	1			1				1		1					
{ Enteric	13		2	1	7	3		13	7	4	1		1		
{ Other continued	1			1				1		1					
Epidemic influenza	11	1			1	5	4	11	4	6		1			
Cholera															
Syphilis	5	3			1	1		5	1	1			1	2	
Diarrhoea	189	136	45			3	5	189	118	63	5			3	
Enteritis	30	23	5			2		30	15	15					
Puerperal fever	6				3	3		6	4	1	1				
Erysipelas	5	2				1	2	5	3	2					
Other septic diseases															
Phthisis	172	10	16	11	21	109	5	172	77	43	3	1		48	
Other tubercular diseases	8	6	1		1			8	3	5					
Cancer, malignant disease	83				47	36		83	35	29	4	3		12	
Bronchitis	176	49	18		2	47	60	176	116	38	1		2	19	
Pneumonia	204	57	76	6	1	52	12	204	126	50	9	4	4	11	
Pleurisy	6		1			5		6	6						
Other diseases of Respiratory Organs															
Alcoholism—Cirrhosis of liver	23					21	2	23	11	6	1		1	4	
Veneral diseases															
Premature birth	77	77						77	38	30	3	2		4	
Diseases and accidents of parturition															
Heart diseases	172	9	5	6	13	77	62	172	94	45	3	4	2	24	
Accidents	1					1		1	1						
Suicides															
All other causes	829	243	71	28	24	209	254	829	442	227	21	12	21	106	
All causes	2244	688	382	71	74	586	443	2244	1266	626	56	28	32	236	

TABLE 1.—Deaths Registered in the Borough of Birkenhead during the Year ending December 31st, 1904.

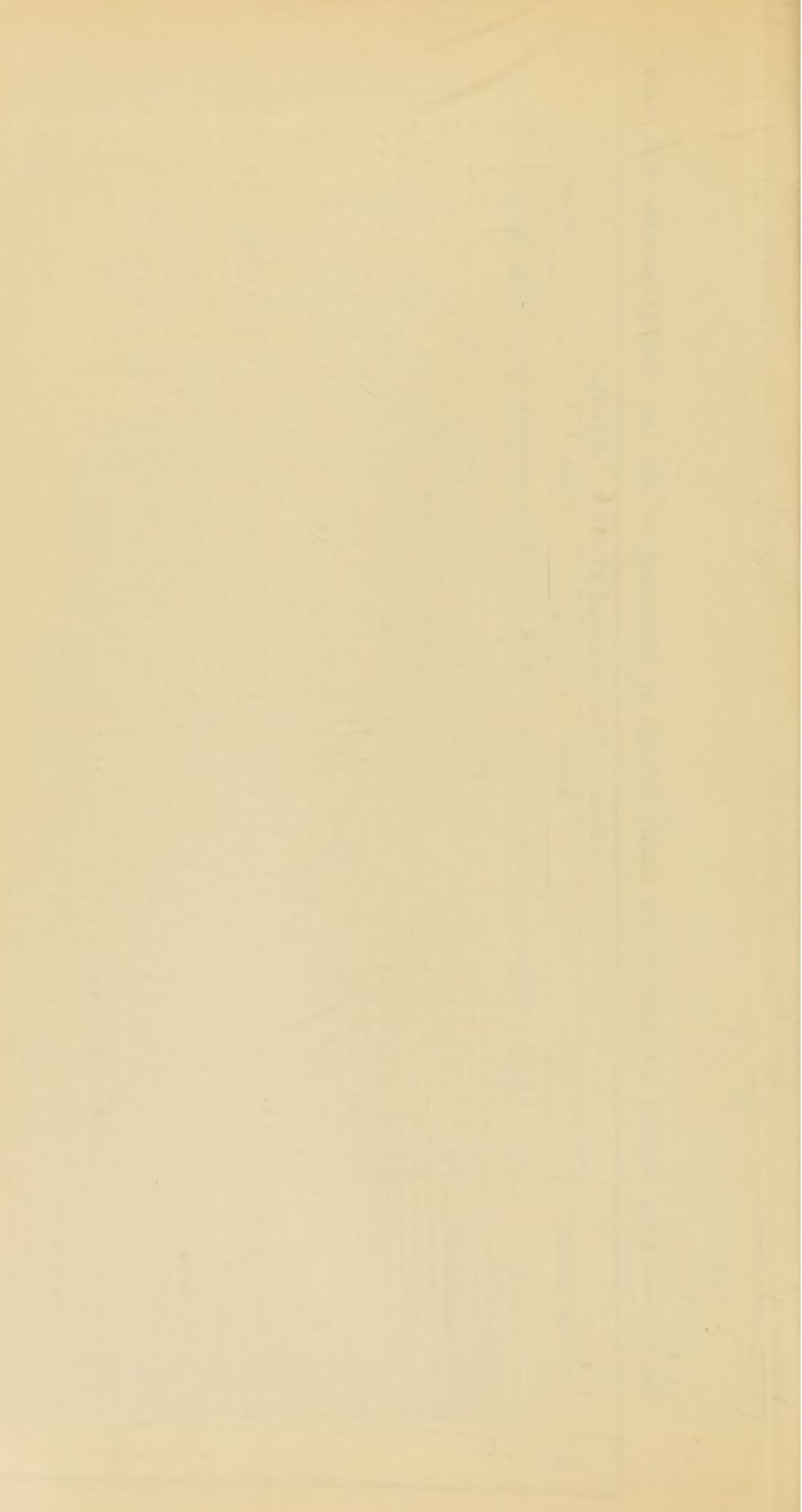
TABLE I—Deaths

Year	Deaths
1900	1,000
1901	1,000
1902	1,000
1903	1,000
1904	1,000
1905	1,000
1906	1,000
1907	1,000
1908	1,000
1909	1,000
1910	1,000
1911	1,000
1912	1,000
1913	1,000
1914	1,000
1915	1,000
1916	1,000
1917	1,000
1918	1,000
1919	1,000
1920	1,000
1921	1,000
1922	1,000
1923	1,000
1924	1,000
1925	1,000
1926	1,000
1927	1,000
1928	1,000
1929	1,000
1930	1,000
1931	1,000
1932	1,000
1933	1,000
1934	1,000
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2004	1,000
2005	1,000
2006	1,000
2007	1,000
2008	1,000
2009	1,000
2010	1,000
2011	1,000
2012	1,000
2013	1,000
2014	1,000
2015	1,000
2016	1,000
2017	1,000
2018	1,000
2019	1,000
2020	1,000
2021	1,000
2022	1,000
2023	1,000
2024	1,000
2025	1,000
2026	1,000
2027	1,000
2028	1,000
2029	1,000
2030	1,000
2031	1,000
2032	1,000
2033	1,000
2034	1,000
2035	1,000
2036	1,000
2037	1,000
2038	1,000
2039	1,000
2040	1,000
2041	1,000
2042	1,000
2043	1,000
2044	1,000
2045	1,000
2046	1,000
2047	1,000
2048	1,000
2049	1,000
2050	1,000
2051	1,000
2052	1,000
2053	1,000
2054	1,000
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2056	1,000
2057	1,000
2058	1,000
2059	1,000
2060	1,000
2061	1,000
2062	1,000
2063	1,000
2064	1,000
2065	1,000
2066	1,000
2067	1,000
2068	1,000
2069	1,000
2070	1,000
2071	1,000
2072	1,000
2073	1,000
2074	1,000
2075	1,000
2076	1,000
2077	1,000
2078	1,000
2079	1,000
2080	1,000
2081	1,000
2082	1,000
2083	1,000
2084	1,000
2085	1,000
2086	1,000
2087	1,000
2088	1,000
2089	1,000
2090	1,000
2091	1,000
2092	1,000
2093	1,000
2094	1,000
2095	1,000
2096	1,000
2097	1,000
2098	1,000
2099	1,000
2100	1,000

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1904.

[illegible]

NOTE.—The weeks end January 7th, 14th, 21st, &c., the last week in the year includes two days extra.



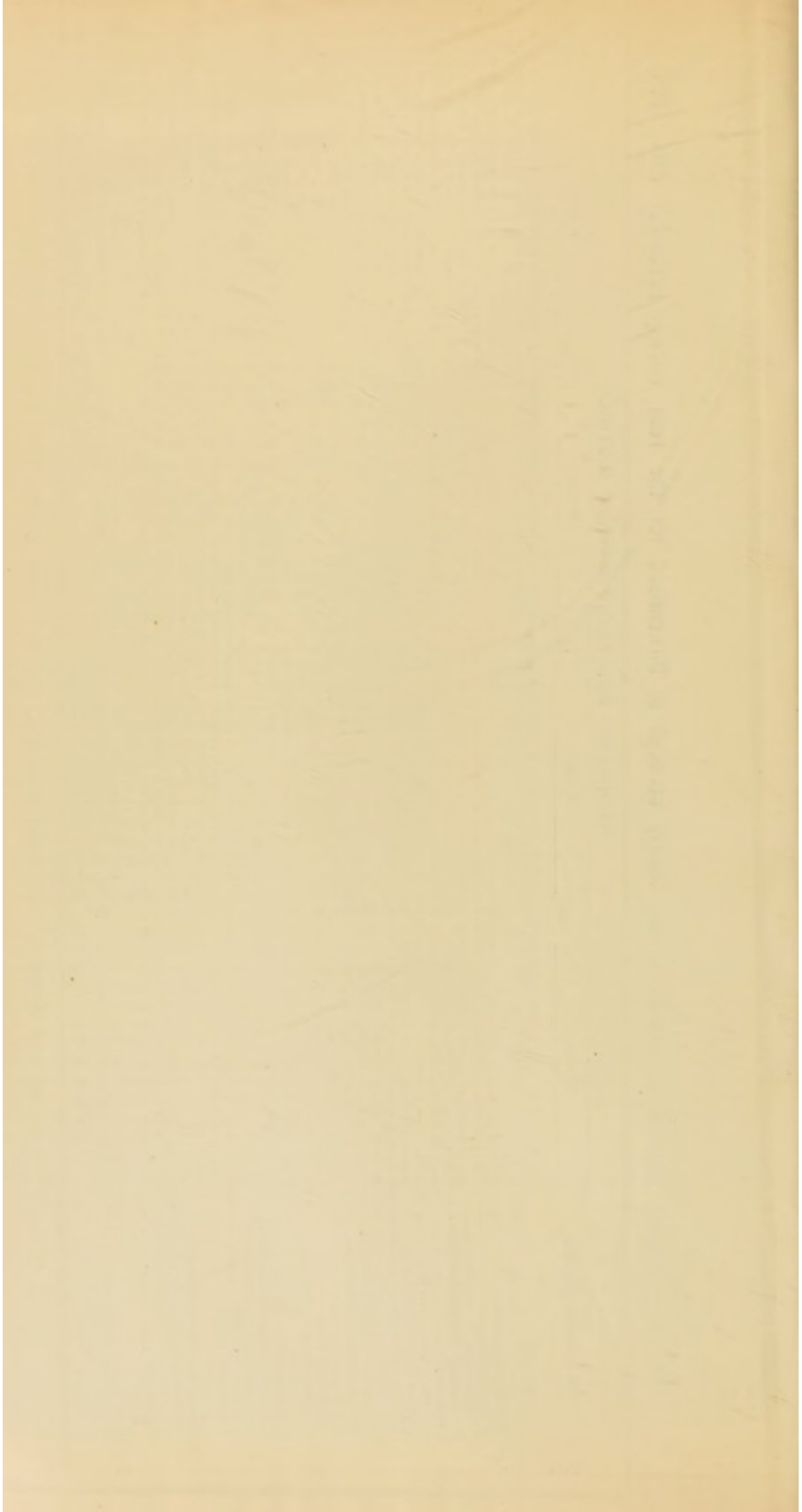


TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1904.

[illegible]

NOTE.—The weeks end January 7th, 14th, 21st, &c., the last week in the year includes two days extr.



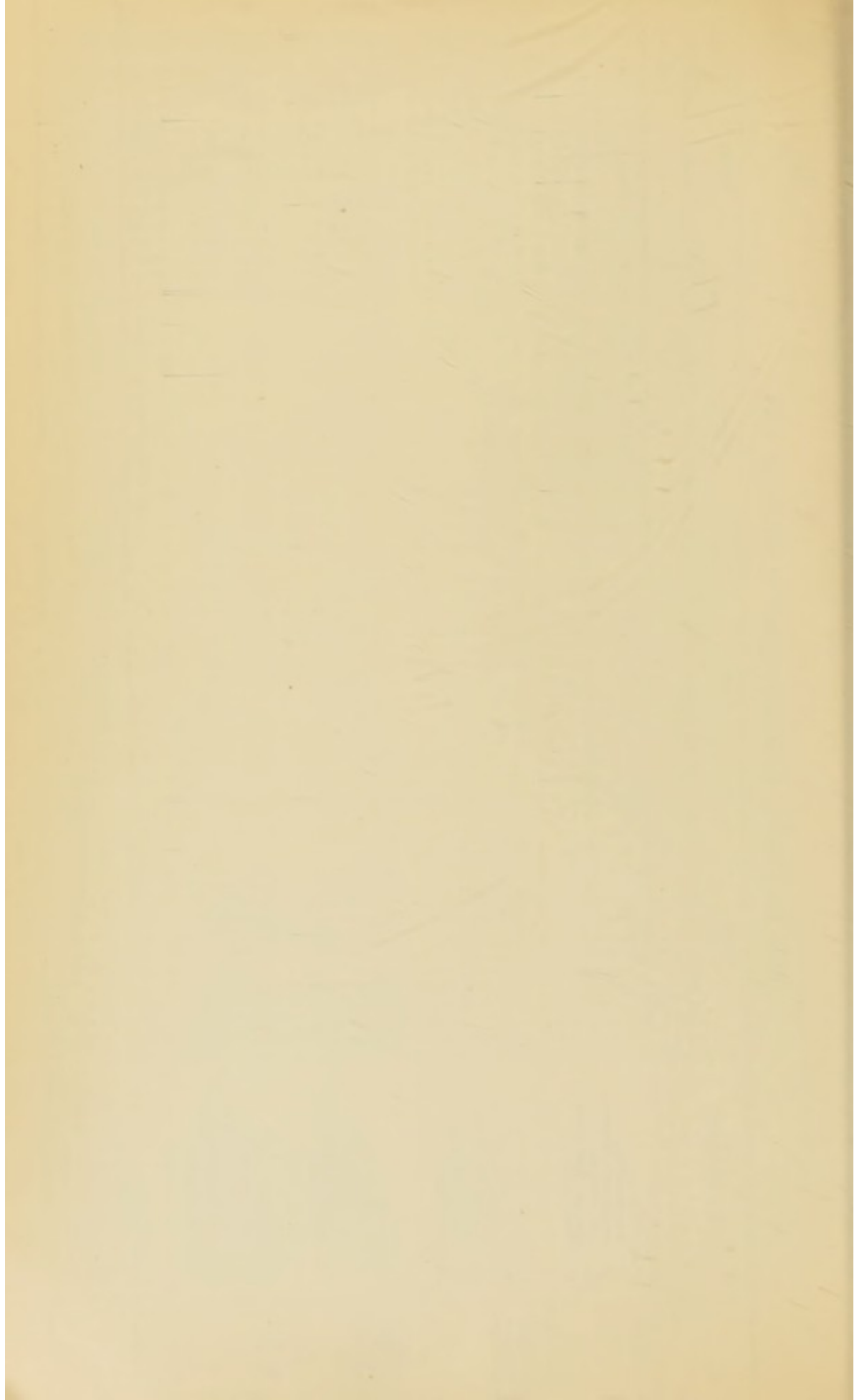


TABLE IV.—Weekly Condensed Register of Meteorological Results for 1904.

[illegible]

The Meteorological Results are for the 53 weeks ending December 31st, 1904.

Mean reading of the Barometer for 30 years reduced to the Sea level, and to 32° Fahrenheit=29.919-in.

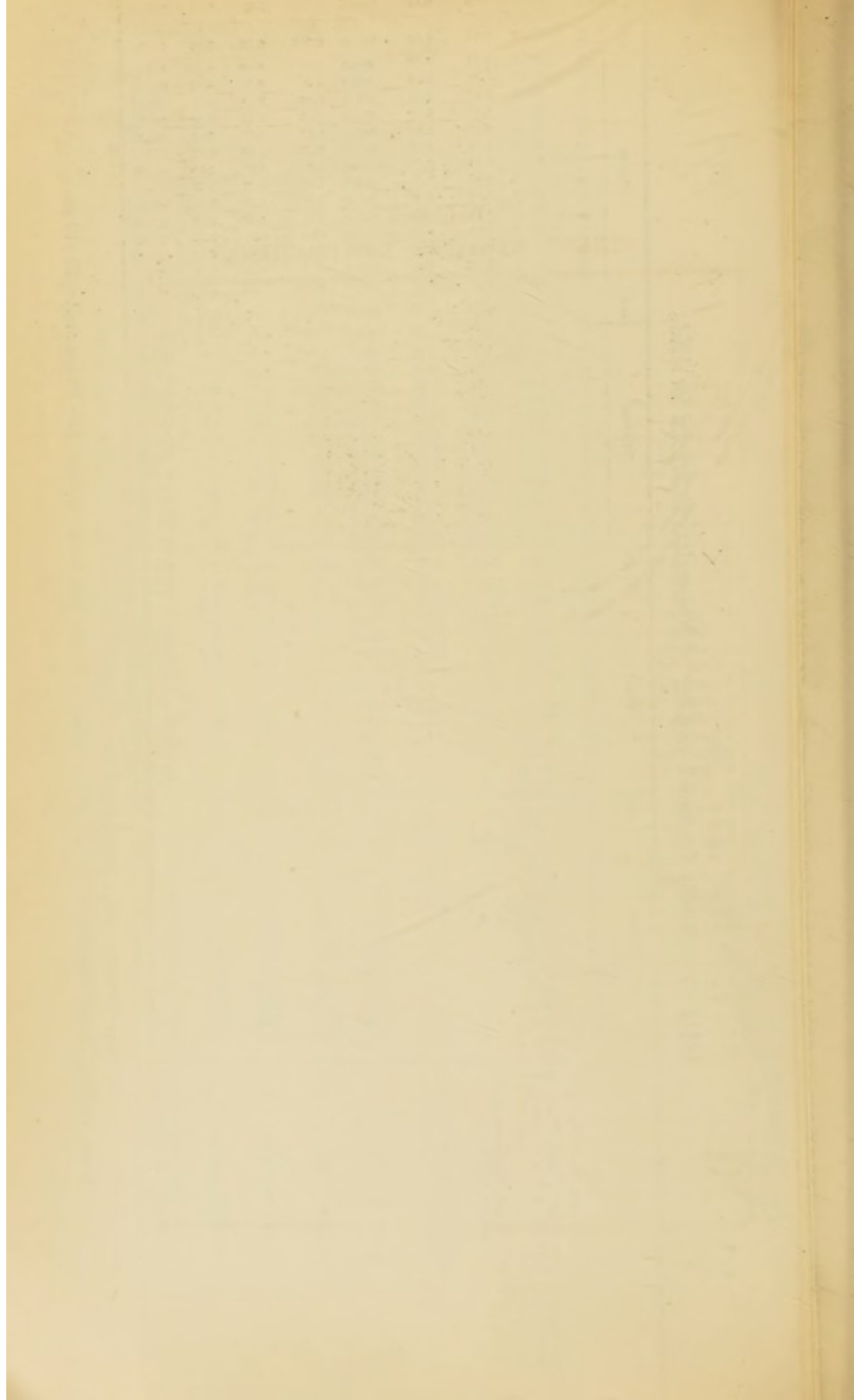


TABLE V.
STREET REGISTER OF DEATHS.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Abbey street	5	1	Back Myrtle street ..	1	0
Abbey terrace	1	0	Back Oliver street ..	6	2
Abbot street	4	2	Back Oxton road ..		
Aberdeen street ..	2	0	Back Portland street ..	1	0
Ackworth place ..	1	1	Back Pilgrim street ..		
Acton Road	1	0	Back Pitt street ..		
Adelaide road ..	1	1	Back Price street ..	3	2
Adelphi street ..	2	0	Back St. Anne street ..	8	1
Albert place	3	2	Back Salisbury street ..		
Albert road	2	0	Balls road	2	0
Albert street			Balls road east ..	7	0
Albert terrace ..	1	0	Banning street ..	4	1
Albion street ..	3	1	Barnard road ..	1	0
Albion terrace ..			Barnston street ..	3	0
Alexandra drive ..			Barton street ..	1	1
Alexandra road ..	1	0	Baytree road ..	1	1
Alfred road	2	0	Beaconsfield road ..	2	0
Alison street ..			Beaufort road ..		
Allcot avenue ..			Bebington road ..		
Allerton grove ..			Beckwith street ..	34	9
Allerton road ..	3	0	Bedford place ..	3	0
Alma street	1	0	Bedford road ..	12	1
Alpha Drive ..	1	0	Bedford street ..	3	1
Alvanley place ..	1	0	Beech road ..	2	0
Anglesey terrace ..	3	1	Beech view (Sydney terr		
Apple grove	1	0	Belgrave terrace ..		
Argyle street ..	1	0	Belmont grove ..		
Argyle street south ..	6	1	Bennetts hill ..	1	0
Arno road	1	0	Bentinck place ..		
Arnside road ..	1	0	Bentinck street ..	9	3
Arrow place	2	1	Bentinck terrace ..		
Arthur street ..	8	1	Beresford road ..	1	0
Ash road	1	0	Berner street ..	2	0
Ashburton road ..	2	0	Berry street ..	6	3
Ashford road ..			Bertha street ..	4	0
Ashley street ..			Bessborough road ..		
Ashville road ..			Bidston road ..	2	2
Aspendale road ..	6	4	Birch road ..		
Aspinall street ..	7	1	Birkenhead park ..		
Atherton street ..			Blackpool street ..		
Athol street ..	2	1	Blandford street ..		
Athol terrace ..	1	1	Blucher street ..	9	2
Back Beckwith terrace ..	1	1	Bold street ..	2	2
Back Camden street ..	1	0	Booth street ..		
Back George street ..			Borough road ..	29	3
Back Havelock street ..	1	0	Boundary road ..		
Back Livingstone street			Brandon street ..		

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Brassey street ..	6	2	Charlecombe street ..		
Brattan road ..	1	1	Charles street ..		
Bray street ..	4	1	Charlesville ..	2	0
Briardale road ..	4	0	Chatham road ..	5	1
Bridge street ..	13	1	Chatsworth road ..	1	0
Bridge End terrace ..			Chesnut grove ..	2	0
Bright street ..	2	0	Chester street ..	9	4
Brill street ..	2	0	Chetwynd road ..		
Brimstage street ..	1	0	Christchurch road ..	1	0
Brook place ..	7	2	Church place ..		
Brook square ..	1		Church road ..	8	2
Brook street ..	49	10	Church street ..	7	0
Brookland road ..	1	0	Church terrace ..	3	0
Broom Hill ..			Circular road ..	2	0
Brougham street ..	9	0	Clare street ..		
Brunswick avenue ..			Clarence road ..	3	1
Brunswick street ..	9	2	Clarendon street ..	9	2
Budworth road ..			Claughton firs ..		
Bulwer street ..	2	0	Claughton place ..		
Burton street ..			Claughton road ..	15	2
Buxton road ..	1	0	Clayton street ..		
Caerwys grove ..			Cleveland avenue ..	2	2
Caldy place ..			Cleveland street ..	27	7
Cambridge place ..	6	2	Clifton crescent ..	1	0
Camden street ..	10	0	Clifton road ..		
Campbell terrace ..	2	0	Club row ..	2	1
Camperdown street ..	1	0	Clwyd street ..		
Canning street ..	1	0	Clyde street ..		
Cannon hill ..			Cobden place ..	3	0
Cardigan street ..			Cobden street ..	8	3
Carlisle street ..	2	0	Coburg street ..		
Carlton mount ..			Cole street ..	2	0
Carlton road ..	1	0	Collingwood street ..	1	1
Carnforth street ..	6	3	Columbia road ..		
Carnforth terrace ..			Combermere terrace ..	3	0
Caroline place ..	1	0	Comet street ..	2	1
Carpenter's row ..	2	0	Connaught street ..	4	2
Castle buildings ..			Connor's court ..		
Cathcart street ..	16	4	Conway place ..	1	0
Catherine street ..			Conway street ..	16	7
Cavendish road ..	1	0	Cook street ..		
Cavendish street ..	1	0	Corfu street ..		
Cavendish drive ..	1	0	Corporation road ..	5	1
Cearns road ..	1	0	Cottage street ..	7	3
Cedar street ..			Coventry street ..	1	1
Challis street ..			Craven place ..	1	0
Chamberlain street ..	2	0	Craven street ..	10	3
Chapel place ..	1	0	Crofton road ..	1	0
Chapel square ..			Cross street ..		
Chapel street ..	3	1	Crown street ..	3	1

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Croxteth street ..	2	1	Falcon road ..	1	0
Cumberland place ..	1	0	Fairclough lane ..		
Cyprus street ..			Fairfax road ..	3	2
Dacre street ..	11	3	Fairfield road ..	2	0
Dale street ..	3	0	Fairview road ..	3	1
Davies street ..	3	1	Farm road ..	3	0
Dee street ..	3	1	Fearnley road ..		
Dell road ..	1	0	Field street ..	6	1
Derby park ..			Flamank street ..	13	6
Derby road ..	2	0	Flaybrick hill ..		
Derby street ..	7	3	Flint street ..	2	2
Devonshire place ..			Florence street ..	1	0
Devonshire road ..	3	0	Fore street ..	7	2
Dial road ..	1	0	Forest road ..		
Dingle road ..	2	0	Foundry street ..		
Donegal street ..			Fountain street ..	4	1
Douglas street ..			Fox street ..	8	2
Doyer street ..	2	1	Frederick street ..	3	1
Downham road ..			Freeman street ..		
Duke street ..	4	0	Frodsham street ..	5	1
Duncan street ..			Garfield place ..		
Dundonald street ..	5	3	Garner's place ..		
Eagle court ..	1	0	Garnet street ..	2	0
Earl street ..	10	6	George street ..	4	0
Eastbourne road ..	2	0	Gerald road ..		
Eastham street ..			Getley street ..	1	0
Eaton road ..	1	0	Gertrude street ..		
Ebenezer street ..	2	0	Gladstone road ..	4	0
Edgar street ..	2	0	Gladstone street ..	8	4
Egerton park ..			Glasgow street ..		
Egerton road ..			Glover street ..	4	0
Egerton street ..	6	0	Gomer street ..	1	0
Eldon place ..	13	4	Gordon street ..	3	1
Eldon street ..	5	0	Gore street ..	2	0
Elgin street ..	3	0	Gothic street ..		
Elizabeth place ..	1	0	Grace street ..	1	1
Elizabeth street ..	1	0	Grace terrace ..		
Elm grove ..	2	0	Grafton street ..	1	0
Elm road ..			Grange mount ..	2	0
Elm street ..	2	0	Grange place ..		
Elmswood road ..	6	1	Grange road ..	3	0
Enfield terrace ..	1	1	Grange road west ..	1	0
Erskine street ..	2	0	Grange street ..	2	0
Esplanade south ..	1	0	Green lane ..	5	0
Etna street ..			Green lawn ..	3	0
Eton place ..			Greenbank road ..		
Euston grove ..	3	0	Greenfield street ..	1	0
Evan's court ..			Greenway road ..	6	0
Evan's place ..			Grenville road ..		
Exmouth street ..	8	3	Grosvenor place ..	1	0

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only	STREETS.	Total from all Causes.	From Zymotic Diseases only
Grosvenor road..	2	0	Holt road ..	8	2
Grosvenor street ..	6	1	Holt terrace ..	1	0
Grosvenor terrace ..	1	0	Hope street ..	2	0
Grove mount ..			Hope terrace ..		
Grove road ..	6	1	Horatio street ..	1	0
Haddon road ..	1	0	Houldin's place ..	1	0
Halcyon road ..	1	0	Howard street ..	2	0
Halkin street ..	1	1	Howbeck road ..	2	0
Hamilton lane ..			Howe street ..	1	0
Hamilton square ..	1	0	Howson street ..		
Hamilton street ..	2	0	Hughes' buildings ..	3	2
Hamilton view ..	1	0	Hughes' lane ..		
Hampden grove ..			Huskisson street ..	1	0
Hampden road ..	1	1	Ingestre road ..		
Hampton street ..	2	0	Ivy court ..		
Harland road ..	3	0	Ivy street ..	6	2
Harper's court ..			Ivydale road ..	3	0
Harriet street ..	3	0	Jackson street ..	8	1
Harrowby road ..	13	3	James street ..	1	0
Hatherley street ..	1	0	Jessamine road ..	3	2
Havelock street..	2	0	Keightley street ..	5	0
Hawarden avenue ..			Kellett's place ..	1	0
Hawthorne road ..	1	1	Kelvin road ..	1	1
Hazel road ..			Kendal street ..	1	0
Heath bank road ..			Kent place ..	1	0
Heather brow ..			Kent street ..		
Heathfield road ..	1	0	Kimberley street ..	1	1
Heath terrace ..			King's mount ..		
(Bennett's hill)			Kingsland road ..	2	0
Helmingham road ..			Kingsmead road north..	1	0
Hemingford street ..			Kingsmead road south ..		
Hemingford terrace ..			Kingston terrace ..		
Henry street ..	6	0	Kinmel street ..	1	1
Henthorne street ..	1	0	Kipling avenue ..	1	0
Herbert place ..			Kirkland avenue ..	1	0
Highfield crescent ..			Knowsley road ..	1	0
Highfield grove..	1	0	Laird street ..	6	0
Highfield grove north ..	1	0	Lansdowne road ..	5	2
Highfield road ..	4	0	Larch road ..	8	3
Highfield south..	4	0	Laurel road ..	2	
Hillside road ..	2	1	Laxey terrace ..	1	1
Hilton street ..	6	1	Lea street ..		
Hind street ..	1	0	Leicester street ..	17	2
Hinderton road..	5	4	Leicester terrace ..		
Hinson street ..	1	1	Leighton road ..	5	2
Holborn hill ..	3	0	Leinster street ..	1	1
Holly bank road ..	3	0	Leta street ..	4	2
Holme lane ..	1	0	Lever terrace ..	1	0
Holt hill..	4	1	Lilly street ..	1	0
Holt hill terrace ..	1	0	Lingdale road ..	1	0

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only	STREETS.	Total from all Causes.	From Zymotic Diseases only
Lingdale road north ..	1	0	Millbank cottages ..		
Liversidge road ..	4	0	Milner street ..	2	0
Livingstone road ..	3	0	Milton road ..	2	1
Livingstone street ..	9	4	Milton street ..	2	0
Lord street ..	8	1	Mollington street ..	4	1
Lorn street ..	2	0	Mona street ..	1	1
Lorne road ..	1	0	Monk street ..		
Lowe street ..	2	2	Moon street ..	10	6
Lower Ivy street ..			Moorland road ..	5	3
Lower George street ..	1	1	Moreton street ..	2	1
Lowther street ..	11	3	Morecroft road ..	1	0
Lowwood grove ..			Mornington street ..	6	1
Lowwood road ..	1	0	Morpeth buildings ..	17	4
Lunar street ..	5	1	Mortimer street ..		
Lydia terrace ..			Mossley road ..	1	0
Maddock street ..	1	0	Mount grove ..	4	0
Maple street ..	2	0	Mount Pleasant ..		
Malta street ..			Mount road ..	1	0
Manor hill ..	1	0	Mount street ..		
Manor road ..			Mulberry road ..	5	1
Marcus street ..			Munster street ..	1	0
Marion grove ..	2	0	Myrtle court ..	4	1
Marion street ..	4	0	Myrtle place ..	1	1
Market place south ..	1	0	Myrtle street ..	3	0
Market street ..	18	4	Napier street ..	4	2
Marlborough grove ..			Nelson place ..	1	0
Marquis street ..			Nelson road ..	2	0
Marsden villas ..			Nelson street ..	1	0
Marshall place ..			Neptune street ..	4	1
Mason street ..	4	1	Neston street ..	4	1
Mason's court ..	2	0	Newburn's lane ..		
Mather road ..	2	1	New Chester road ..	13	5
Maybank road ..	3	1	Newton street ..	2	1
Meacock street ..			North road ..	1	0
Meadow lane ..	2	0	Newling street ..	3	0
Meadow place ..	1	0	Oak street ..	13	3
Meadow street ..	4	0	Oakfield view ..	3	0
Medway road ..	2	0	Oak tree cottages ..		
Mellor road ..	5	1	Oak tree place ..	5	2
Menai street ..	4	1	Old Bidston road ..	12	1
Mersey place ..			Old Chester road ..	25	5
Mersey lane south ..			" " Rock Ferry ..		
Mersey road ..	1	0	Old Priory ..		
Mersey street ..			Olive crescent ..		
Merton place ..			Olive mount ..		
Meteor street ..			Oliver place ..	1	1
Methuen street ..			Oliver street ..	34	8
Midland street ..	8	3	Orchard road ..		
Mill street ..	13	2	Orderly avenue ..	1	0
Miller's place ..	2	0	Orderly home ..		

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Orderly place ..	..	..	Quarry bank place ..	1	0
Orderly residence ..	..	..	Quarry bank street ..	..	..
Oriel road ..	4	2	Queen's buildings(AtoK)	16	2
Osborne road ..	1	0	Queen's Buildings (Tran)	6	2
Oxton road ..	2	0	Queen's place ..	3	2
Palm grove ..	..	..	Queen's street ..	1	0
Palm hill ..	1	0	Queensbury street ..	2	0
Palmerston street ..	2	0	Quigley street ..	1	1
Parkfield avenue ..	21	1	Radnor place ..	..	..
Parkfield place ..	..	..	Raffles road ..	8	0
Park grove ..	..	..	Railway road ..	6	0
Park road ..	1	0	Randle street ..	1	0
Park road east ..	2	1	Ravenscroft road ..	1	0
Park road north ..	2	0	Ravenswood avenue ..	..	..
Park road south ..	5	0	Rawcliffe road ..	..	..
Park road west..	1	0	Redmond street ..	..	..
Park street ..	10	5	Reedville ..	..	..
Parkside road ..	..	..	Rhoden's place ..	1	0
Parr's lane ..	..	..	Rhyl street ..	3	1
Paterson street..	10	2	Richmond cottages ..	1	0
Patten street ..	9	1	Ridley street ..	3	1
Payson street ..	14	0	Rimmer's court..	..	..
Payson terrace No. 1 ..	..	..	Ripon street ..	..	..
Payson terrace No. 2 ..	..	..	Roberts street ..	7	2
Pearson road ..	..	..	Rochester road ..	2	0
Peel street ..	16	5	Rock lane east ..	1	0
Pensby street ..	5	1	Rock lane west ..	4	0
Penrith street ..	2	0	Rock park ..	5	0
Percy place ..	1	1	Rockville street..	..	..
Pilgrim street ..	1	0	Rocky bank road ..	1	0
Pitt street ..	6	2	Rodney street ..	16	2
Planet street ..	2	1	Roe street ..	1	1
Pleasant street ..	4	2	Romilly street ..	..	..
Plymouth place..	1	0	Rose cottages ..	3	1
Pool street ..	1	0	Rose mount ..	1	0
Poplar grove ..	1	0	Rose street ..	..	..
Powell street ..	1	1	Roseberry grove ..	2	0
Prenton road east ..	3	1	Roslin road ..	2	0
Prenton road west ..	1	0	Roslyn street ..	..	..
Price's lane ..	..	..	Ross terrace ..	..	..
Price street ..	27	7	Rowland street ..	3	1
Prince Edward street ..	2	0	Russell cottages ..	..	..
Princes place ..	2	0	Russell place ..	2	2
Princes street ..	1	0	Russell road ..	7	4
Princess ter., Balls rd.	1	0	Russell street ..	3	0
Princes ter., Grange rd.	2	0	Ruskin avenue ..	1	0
Priory court ..	1	0	St. Anne's grove ..	1	1
Priory street ..	7	0	St. Anne street..	51	14
Pym street ..	3	0	St. Anne's terrace ..	..	..
Quarry bank ..	2	0	St. George's avenue ..	..	..

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
St. John street ..	1	0	Stewart's place ..	2	1
St. John's place ..			Stewart street ..		
St. Mary's street ..	1	0	Stoke street ..	7	1
St. Mary's avenue ..	1	1	Storeton road ..	1	0
St. Mary's gate ..			Stuart road ..	2	0
St. Paul's place ..			Sun street ..	4	1
St. Paul's road ..	8	3	Sussex street ..		
St. Peter's road ..			Swan's court ..		
Salem view (Storeton rd.)			Swan's place ..	1	0
Salisbury street ..	5	1	Sycamore road ..	1	0
Samuel street ..			Talbot road ..		
Sandford street ..	7	0	Tatton road ..		
Saxon street ..	1	1	Taylor's buildings ..	2	0
School place ..	3	1	Taylor's delph ..		
Scott's court ..			Taylor street ..	1	0
Sea bank cottages ..			Temple road ..		
Sea bank road ..	1	0	Tennyson Avenue ..	2	0
Seaton road ..	3	1	Thomas court ..		
Sefton road ..	2	0	Thomas street ..	21	7
Seymour street ..	1	0	Thompson street ..	6	1
Shaw's place ..			Tollemache road ..		
Shaw street ..	3	1	Tory place ..		
Shore road ..			Tower hill ..		
Shotwick street ..			Tower road ..	5	1
Shrewsbury road ..	2	0	Tranmere vale terrace ..		
Shrewsbury road north			Trinity street ..		
Sidney buildings ..	1	0	Tudor road ..	3	2
Sidney road ..	5	2	Tunnel road ..	1	0
Sidney street ..			Turner street ..	1	1
Sidney terrace ..			Union street ..	2	0
Silverdale road ..			Upper Beckwith street ..	2	0
Simpson street ..	4	2	Upper Brassey street ..	1	1
Slatey road ..	1	0	Upton road ..		
Somerville street ..	3	0	Vernon place ..	1	0
South bank ..			Vicar's court ..	1	1
South hill road ..	2	0	Victoria drive ..		
South Reserve ..			Victoria mount ..		
South road ..			Victoria road ..	5	0
Southwick road ..	2	0	Village road ..	3	0
Spring street ..			Village terrace ..	2	0
Spring villas ..			Vincent street ..		
Stafford street ..	2	1	Vine street ..	8	2
Standard place (St. Paul's road)			Vittoria street ..	4	0
Stanley court ..	1	0	Vulcan street ..	4	2
Stanley place ..	1	0	Walker place ..		
Stanley road ..	1	0	Walker street ..	2	1
Stanley street ..	3	0	Walter's court ..		
Stanway place ..	1	0	Walton street ..	6	2
Star street ..	6	2	Warrington street ..	1	1
			Warwick street ..	7	2

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Waterford road.. ..			Willan street		
Waterloo court			Willaston place.. ..	3	1
Waterloo place	1	0	William street	4	2
Watson street	5	0	William's cottages ..		
Waverley grove			Willmer road	3	0
Well lane	4	1	Willow bank road	2	0
Wellesley street	3	2	Willow street	1	0
Wellington road			Willy street	1	0
Wellington terrace ..	2	1	Wilson street	5	1
Wesley street			Wilton road	1	0
Wesley terrace	1	0	Wilton street		
West view	1	0	Windsor place		
West bank road	1	0	Windsor street	2	0
Westbourne road	2	0	Wirral street	1	0
Westbury street			Woburn place		
Westminster road	2	0	Wood street	9	1
Wexford road	2	0	Woodchurch lane	5	0
Whalley road			Woodchurch road	4	0
Whetstone lane	9	1	Woodland avenue	1	0
Whetstone view	1	1	Woodlands grove		
White street	4	1	Woodlands road		
Whitfield place.. ..			Woodland terrace	3	0
Whitfield street	8	2	Woodlands	4	1
Whitford road	4	1	Woodville road	3	0
Wilbraham street	1	1	Wordsworth avenue ..	1	1
Wilbraham terrace			Wycliffe street	5	2
Wilkinson street	10	0	Wye street	1	0
Wilk's court			Zetland road		

SUPPLEMENT TO TABLE V.

RETURN OF DEATHS in Birkenhead Union Hospital and Workhouse during 1904.

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Jan. 3	F	42	D'k laborer's wid	Phthisis pulmonalis	2-1-04 21 Roberts street
4	M	67	General labourer	Bronchitis	6-7-03 100 Church street
6	M	19	do	Phthisis pulmonalis	7-12-03 27 Greenfield st
7	M	39	do	Ac lobar pneumonia	6-1-04 83 Back Price st
8	M	66	Carter	Chr bronchitis ..	4-1-04 8 Camden street
9	F	64	Gen laborer's wife	Cancer of breast ..	10-12-03 61 Patten street
12	F	41	Sta. en. fire. wife	Phthisis pulmonalis	9-1-04 40 Pitt street
13	M	73	Piano tuner ..	Senility	6-1-04 24 Maybank road
12	F	69	Iron mould'rs wid	Senility	4-1-04 33 Field street
10	M	5 m	Laundress' son ..	Marasmus	7-10-03 72 Exmouth street
12	M	65	Rag gatherer ..	Debility	6-1-04 6 Waterloo place
17	F	63	Joiner's widow ..	Debility	15-1-04 21 Gladstone st
16	F	36	Ironwork's lab wif	Empyema	19-10-03 4 Rhodens place
19	M	69	Saddler	Cancer of tongue ..	8-12-03 72 Exmouth street
19	F	22	R.barge mate's wif	Myelitis	18-1-04 10 Stoke street
1	M	40	Sailing flat captain	Blood poisoning ..	1-1-04 32 Aspinall street
20	M	72	Stonemason ..	Bronchitis	17-11-03 56 B'k St. Anne st
22	M	21	Marine steward ..	Phthisis pulmonalis	16-1-04 3 Derby street
24	F	48	B'lrnkr's lab wife	Cirrhosis of liver ..	23-1-04 17 Payson street
22	M	55	En. fitter's labor'r	Blood poisoning ..	21-8-03 28 Chatham road
26	M	32	Iron foundry lab	Phthisis pulmonalis	1-12-03 7 Myrtle street
26	F	78	Cus. h. officers wid	Hemiplegia.. ..	23-6-02 46 Elmswood road
25	F	76	Tailoress.. ..	Debility	6-5-02 No settled address
29	M	42	Plasterer	Phthisis pulmonalis	7-9-03 11 Carnforth terr
31	M	26	General labourer	Pleuro-pneumonia	28-1-04 491 Borough road
31	M	76	do	Debility	11-10-03 No address
Feb. 1	M	38	Marine fireman ..	Tric disease of heart	30-1-04 17 Priory court
1	M	37	Ship's fireman ..	Cistis media	31-1-04 196 Beckwith st
3	M	56	General labourer	Chr heart disease ..	1-9-03 26 Lowther street
2	M	29d	Ironwork's lab son	Premature birth ..	4-1-04 4 Rhodens place
8	F	15	Butchers daughter	Tuber hip & mening	19-6-02 79 Church street
7	F	82	D'k laborer widow	Senility	4-12-03 63 Westbourne rd
6	M	65	Dock labourer ..	Morbus cordis ..	5-2-04 23 Payson street
13	M	62	Platelayer's lab ..	Septic bronchitis ..	3-11-03 7 Anglesea terrace
13	M	42	Marine fireman ..	Phthisis	23-2-03 7 Albion terrace
17	M	66	Joiner	Morbus cordis ..	3-2-04 2 West view
12	F	65	Gen lab widow ..	Epilepsy	4-1-01 9 Flamank street
20	F	84	Dec. Butcher's dau	Senile dementia ..	4-4-02 84 Claughton road
20	F	36	Coalheaver's wife	Acute brights ..	12-2-04 4 Orderly avenue
23	M	34	Coalheaver ..	Idiotcy	23-12-02 12 Davies street
24	F	68	Dock lab widow ..	Chronic bronchitis	12-12-03 11 Cumberland pl
25	F	20	Mar fireman's wife	Abortion	24-2-04 2 in 52 Jackson st
24	M	27	Carter	Phthisis	19-1-04 42 Frederick street
26	M	66	General labourer	Cancer	13-2-04 8 Marsden villas
26	F	76	Gen lab widow ..	Senility	22-7-03 50 Bedford place
28	F	71	Boilermakers wid	Debility	8-12-03 2 Priory court
27	F	83	Ship painters wid	do	25-5-99 8 Maddock street
28	M	32	Seaman	Mitral disease ..	29-6-03 63 Lord street
29	M	65	Compositor ..	Apoplexy	1-5-03 17 Oliver street
26	M	32	No occupation ..	Imbecility	1-6-93 62 Egerton street

SUPPLEMENT TO TABLE V—Continued.

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Mar. 5	M	44	Butcher	Phthisis	2-3-04 214 Chester street
7	M	20m	D'k labourer's son	Rachitis	20-2-04 77 Arthur street
8	F	66	do widow	Debility	24-9-98 17 Field street
7	M	68	General labourer	do	6-6-00 14 Earl street
8	M	84	Hat maker ..	Senility	2-3-03 16 Monk street
5	M	7h	Dec gen lab son..	Premature birth ..	5-3-04 Union Workhouse
9	F	68	Dec tailor's dau..	Hemiplegia	27-11-01 23 Prenton road E
10	M	66	Engine fitter ..	Abscess	8-3-04 24 Keightley street
11	M	59	General laborer ..	Senility	7-10-03 7 Fox street
10	F	65	D'k laborer's wid	Phthisis	29-7-03 7 Brook place
10	F	61	P'vate w'mans wid	Hemiplegia.. ..	18-1-96 5 Dee street
13	M	38	Iron ship plater..	Phthisis	20-2-04 40 White street
13	F	39	Dock laborer's wife	Hemiplegia.. ..	5-3-04 36 Frederick st
14	M	56	Carter	Cardiac disease ..	26-10-03 7 Lower Ivy street
13	M	40	General labourer	do	22-10-03 214 Chester street
16	M	10m	Gardener's son ..	Debility	13-1-04 13 Derby street
16	M	46	General labourer	Epilepsy	24-7-02 1 Myrtle street
17	M	61	do	Dementia	5-3-04 58 Bedford place
20	F	33	Mar firemans wife	Phthisis	11-1-04 11 Market place S
23	M	39	Dock labourer ..	Phthisis	4-1-04 57 Morpeth build
19	M	60	Flatman	Debility	28-9-97 Birkenhead
19	M	71	Ship's carpenter	Hemiplegia.. ..	24-10-02 Birkenhead
23	M	40	Salt hawker ..	Phthisis	16-12-03 103 Canning street
23	F	26	R'ly porter's wife	do	12-3-04 205 St. Anne st
24	F	62	D'k laborer's wife	Broncho-pneumonia	15-2-04 31 Field street
25	F	7m	Gen. laborer's dau	do	31-1-04 13 Aspendale road
27	F	77	Freight clerk's wid	Mitral disease ..	6-8-03 82 Maybank road
29	M	71	Jobbing gardener	Bronchitis	9-10-03 34 Warwick street
30	F	60	Bricklayer's wife	Morbus cordis ..	25-3-04 6 Waterloo place
31	M	52	Coalheaver ..	do	82-0-4 54 Vine street
April 1	M	78	General labourer	Kidney disease ..	19-3-01 6 Abbott street
4	F	69	Agricul lab wife..	Old age	12-8-93 3 Wilton street
2	M	59	Cab driver ..	Bronchitis	25-3-04 27 Lowther street
3	M	17	Seaman's son ..	Pyæmia	1-2-04 Albert Ind School
4	M	66	General labourer	Pneumonia.. ..	16-12-02 100 Church street
5	M	1d	Dom servant's son	Premature birth ..	44-0-4 Workhouse
7	F	82	D'k laborer's wido	Bronchitis	26-8-96 48 Mill street
9	M	11d	Laundress' son ..	Premature birth ..	29-3-04 Workhouse
10	F	2	Dec painter's dau	General tuberculosis	14-7-03 2 Campbell terrace
17	M	67	General labourer	Epilepsy	25-3-04 8 Nelson street
16	F	81	File cutter's widow	Senility	7-3-96 25 Adelphi street
18	M	42	General labourer	Phthisis	22-2-04 69 St Anne street
18	M	62	Carter	Debility	30-3-04 108 Beckwith st
18	F	62	Dec farmer's dau	Carcinoma of rectum	21-3-04 78 Borough road
19	M	63	General hawker..	Debility	13-4-04 4 Waterloo place
22	M	62	Joiner	do	14-8-03 25 Vulcan street
22	F	70	Domestic servant	do and old age..	24-9-01 17 Mornington st
17	M	76	Old clothes dealer	Exhaustion.. ..	11-4-04 41 Vine street
23	M	81	Commission agent	Senility	12-7-02 Birkenhead
28	F	84	Auctioneers widow	do	19-3-04 124 Whitford st
28	F	57	Agricul lab wife..	Morbus cordis ..	25-4-04 52 Greenway road
26	F	83	Saddler's widow..	Old age	20-10-03 Birkenhead

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age.	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Apr. 27	F	65	Seaman's widow	Cancer of pylorm ..	2-12-87 3 Rose cottages
27	M	17m	Gen laborer's son	Whooping cough ..	18-12-03 36 Earl street
27	F	89	B'der & c'tor wid	Carcinoma of breast	13-1-00 219 Conway street
28	M	84	Tailor	Senility	19-3-04 24 Egerton street
May 7	F	28	Gen laborer's wife	Morbus cordis ..	5-5-04 12 Seabank cott
12	F	74	Plasterer's widow	Arterio Sclerosis ..	14-3-04 20 Bedford place
22	F	31	Gen laborer's wife	Phthisis	11-5-04 104 Livingstone st
22	F	9m	Laundress' dau ..	Whooping cough ..	28-1-04 72 Exmouth street
23	F	64	Stonemason's wid	Hemiplegia.. ..	29-8-02 159 Brook street
29	M	33	Fish dealer's clerk	Phthisis	18-4-04 2 Penrith street
June 1	M	67	General labourer	Appendicitis ..	26-5-04 17 Waterloo place
4	M	67	Saddler	Calculus (not biliary)	3-3-00 2 Carpenters row
7	F	72	Mar steward's wid	Cereb Hæmorrhage	8-9-03 26 Thompson st
10	M	48	House painter ..	Phthisis	6-5-04 11 Roseberry grove
13	M	40	Bootmaker	do	9-5-04 203 Borough road
13	F	70	Bricklayers widow	Bronchitis	3-6-04 23 Derby road
11	F	34	Dec brewers daugh	Syphilis	18-4-04 12 Taylor's delph
14	F	88	Miner's widow ..	Aneurism	3-12-91 7 Lowther street
17	M	71	Dock labourer ..	Bronchitis	20-9-98 42 Frederick st
17	M	28	General labourer	Phthisis	28-1-04 12 Seabank cott
18	M	57	Butcher	Cirrhosis of liver ..	8-4-04 98 Church street
18	F	44	Ship painter's wif	do	8-6-04 12 Flamank street
21	F	73	Gen lab widow ..	Bronchitis	31-1-02 10 Vine street
21	F	71	do	Hemiplegia.. ..	3-6-04 77 Borough road
21	M	8m	Mar fireman's son	Whooping cough ..	21-12-03 40 Pitt street
23	M	48	General labourer	Delirium tremens ..	21-6-04 28 Meadow lane
23	M	74	Marine fireman ..	Rheumatism	16-6-04 21 Rose mount
25	F	83	W turn-cocks wid	Diarrhœa	5-11-00 4 Parr's road
28	F	60	Blacksmith's wife	Hemiplegia.. ..	17-5-04 451 Cleveland st
28	M	49	Joiner	Pneumonia.. ..	27-6-04 13 Grange street
27	F	80	Deceased () dau	Cerebral Thrombosis	25-6-04 17 Booth street
28	M	34	General labourer	Phthisis	24-10-03 53 Mulberry road
29	M	62	do	Pneumonia.. ..	25-6-03 10 Waterloo place
July 3	M	20	Boilermaker's son	Miliary tuberculosis	11-1-00 54 Bentinck street
1	F	16m	R'y porter's dau	General tuberculosis	6-4-04 3 Planet street
6	M	42	Seaman	Phthisis hæmoptysis	28-6-04 23 Roberts street
8	M	75	General labourer	Senility	26-4-01 15 Wilson street
10	F	68	Boilermaker's wid	Purulent peritonitis	9-7-04 44 Cobden street
18	M	53	General labourer	Arterio-Sclerosis ..	30-10-03 30 Bk St. Anne st
14	F	44	Seaman's widow	Phthisis	31-5-04 10 Harrowby road
21	F	55	Bricklayer's wife	Cerebral thrombosis	19-7-04 118 St. Anne st
24	F	42	Shipwright's wife	Phthisis	18-7-04 18 Brunswick st
24	F	32	Butcher's wife ..	do	4-6-04 4 Russell place
23	F	65	D'k labourer's wid	Morbus cordis ..	16-7-04 26 Frederick street
25	M	65	Wheelwright ..	Arterio sclerosis ..	15-2-04 Carpenter's row
25	M	36	Iron Driller ..	Status Epilepticus..	23-7-04 214 Chester street
Aug. 3	M	52	Dock labourer ..	Phthisis	30-5-04 37 Oak street
1	M	22	Ship's Fireman ..	Meningitis	26-7-04 S.S. Ameer, M. D.
2	F	6m	Gen laborer's dau	Epidemic enteritis..	30-7-04 3 Lower Ivy street
4	M	52	Carpenters' lab ..	Pulmon tuberculosis	3-11-03 Birkenhead
5	F	31	Boot repairer's wif	Phthisis	27-7-04 10 Elizabeth place
5	F	82	General lab widow	Senility	21-7-04 19 Hope street

SUPPLEMENT TO TABLE V.—Continued.

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Aug. 9	M	30	Baker	Sarcoma of omentum	36-0-4 199 Peel street
6	M	2m	Gen laborer's son	Wasting from birth	4-8-04 25 Planet street
5	M	19	Dec b'lerm'r's son	Phthisis	7-3-04 35 Bk St. Anne st
12	M	59	Dock labourer ..	Bronchitis	5-8-04 26 Queensbury st
15	F	39	Gen laborer's wife	Hemiplegia.. ..	12-5-04 7 Comet street
15	F	84	do widow	Senility	12-6-03 44 Beckwith street
13	F	38	Carpenter's dau..	Phthisis	12-5-04 1 Carpenter's row
17	F	31	R'ly porter's wife	Phthisis	6-4-04 3 Planet street
17	M	49	Boilermaker ..	Bulbar paralysis ..	6-8-04 170 Oliver street
18	F	61	B'rhousek'pers wif	Mitral disease ..	12-8-04 59 Bentinck street
23	M	40	Bootmaker ..	Phthisis	25-3-04 2 Waterloo place
28	F	70	Dec b'tman's dau	Arterio sclerosis ..	13-10-03 32 Warwick street
26	F	70	Boilermaker's wid	do	10-2-03 3 Stanley court
30	F	54	Waterman's wid	Morbus cordis ..	29-8-04 343 Cleveland st
28	M	63	Corporation lab..	Carcinoma of colon	11-5-04 11 Flamank street
Sept. 6	F	67	Cabdriver's wid ..	Hemiplegia.. ..	7-4-02 16 Leicester street
4	M	13d	Horsekeeper's son	Marasmus	29-8-04 33 Old Bidston rd
7	F	70	Teamowner's wid	Senility	7-5-00 2 Park view
14	M	70	Cab driver ..	Morbus cordis ..	6-9-04 30 Bedford place
14	M	41	General labourer	Phthisis	23-8-04 2 Waterloo place
14	F	42	Mar Steward's wid	Morbus cordis ..	12-9-04 64 Flamank street
14	F	73	Dec mr b'ld'rs dau	Epidemic enteritis..	6-9-04 36 Bedford place
20	F	82	Stonebreaker's wif	Broncho-pneumonia	12-10-99 35 c Queen's Bldgs
21	F	34	A iron smiths wife	Heart failure ..	13-8-04 Salisbury street
21	M	3m	Charwoman's son	Marasmus	21-5-04 Workhouse
24	F	5m	laborer's daughter	Marasmus	21-8-04 28 Westbourne rd
27	M	69	House painter ..	Carcino of Pancreas	7-6-04 75 Market street
29	F	74	Grocer's widow ..	Senility	3-2-04 9 Sussex street
28	F	60	Rag gatherer's wif	Septicæmia.. ..	23-9-04 Old Bidston road
Oct. 1	F	79	Cab driver's widow	Senile decay ..	2-2-00 24 in 17 Fox street
4	M	27	General labourer	Phthisis	7-9-04 214 St. Anne st.
8	F	44	Dec farmer's dau	Morbus cordis ..	4-10-04 6 Kent place
9	M	45	Dock labourer ..	Phthisis	30-7-04 142 Chester street
10	F	30	Gen labourer's wif	Puerper septicæmia	3-9-04 421 Brook street
12	M	35	Joiner	Pneumonia.. ..	5-10-04 22 Sun street
11	F	42	D'k laborer's wife	Phthisis	20-8-04 6 Club row
13	M	56	Joiner	Bronchitis	19-9-04 40 Brassey street
12	F	28d	Gen laborer's dau	Marasmus	14-9-04 Workhouse
22	M	23	General labourer	Tertiary syphilis ..	30-5-04 2 Broom hill
22	M	48	Prov wareh'sem'n	Phthisis	25-4-04 24 Cleveland street
24	F	67	R'ly clerk's wife..	Malig dis of Cervix	4-1-00 Birkenhead
27	M	45	No occupation ..	Bronchitis	25-10-04 7 Warrington st
27	M	76	Corporation lab..	Shock	10-10-04 16 Whitford road
Nov. 3	F	55	Gen laborer's wife	Hemiplegia.. ..	87-0-2 11 Chester place
4	F	11	Dec fr't clerk's da	General tuberculosis	19-10-04 King's mount
6	M	58	General labourer	Bronchitis	27-9-04 21 Ivy street
6	F	55	En fitter's widow	Heart failure ..	20-9-04 291 Brook street
6	M	22m	Fr'ch polishers son	Broncho-pneumonia	17-10-04 16 Connaught st
14	M	80	Fisherman ..	Senility	18-7-03 46 Queen street
16	F	50	D'k laborer's wid	Chronic Nephritis..	1-11-04 7 Old Priory
23	M	76	I'n founder's clerk	Arterio sclerosis ..	11-7-95 75 Market street
22	F	48	Gen laborer's wife	Bronchitis	16-11-04 7 Chesnut grove

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Nov 23	M	62	Tailor	Pneumonia	17-11-04 9 Millars place
25	M	37	Dock labourer ..	Phthisis	25-6-04 28 Moon street
26	M	46	General labourer	Morbus cordis ..	26-11-04 93 Back Oliver st
27	M	60	Iron moulder ..	Phthisis	7-11-04 4 F Queen's Bldgs
27	M	43	Dock labourer ..	Carcino of segmoid	8-11-04 14 Bk St. Anne st
24	M	43	Marine firemen ..	Phthisis	23-11-04 15 Grange street
24	F	77	Whitesmith's wid	Senile decay	11-1-03 33 Grange rd west
29	F	40	D'k laborer's wife	Phthisis	20-10-04 10 Eldon place
30	M	77	Carter	Senility	9-1-99 158 Brook street
30	M	79	Formerly dock lab	Syncope	16-6-00 46 Oak street
Dec. 1	M	48	Coalheaver	Bronchitis	5-9-04 3 Old Bidston rd
5	F	73	Shipwright's wife	Morbus cordis ..	30-11-04 49 Balls Road east
14	F	53	D'k labourer's wid	Hemiplegia	25 4-02 123 Oxtan road
13	M	79	Army pensioner ..	Senility	2-11-04 40 Cottage street
12	M	70	General labourer	Senility	8-12-03 36 Payson street
13	F	40	Ship butcher's wif	Carcinoma of Uterus	7-12-04 17 St Anne street
16	M	65	Cotton Porter ..	Basal meningitis ..	11-2-99 35 Pleasant street
18	M	32	Seaman	Phthisis	6-10-04 44 Flamank street
20	M	39	Beef carrier	Bronchitis	30-3-04 19 Elmswood road
20	F	63	Boilermaker's wid	Necrosis of finger ..	23-9-04 30 Holt road
20	F	70	Domestic nurse ..	Senility	4-3-04 27 Gladstone st
21	F	63	D'k labourer's wid	Bronchitis	17-12-04 23 Bk St. Anne st
22	M	46	General labourer	Cere hæmorrhage ..	17-12-04 7 Leicester street
23	F	75	Engraver's widow	Senility	12-12-04 203 Market street
24	F	2m	Dom servants dau	Meningitis	7-10-04 Workhouse
27	M	58	General labourer	Phthisis	23-12-04 240 New Chesterrd
25	M	77	Boiler rivetter ..	Arterio sclerosis ..	23-12-04 59 Vine street
29	F	70	Gardener's widow	Senility	25-7-04 53 St. Anne street
29	M	56	Carter	Cere hæmorrhage ..	15-12-02 62 Larch road
27	M	65	Form'ly straw d'l'r	Syncope	27-10-04 75 Market street

