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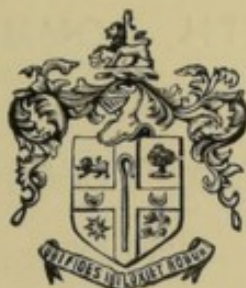
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REPORT
ON THE
SANITARY CONDITION
OF THE
County Borough
OF
Birkenhead,
FOR THE YEAR 1905,

BY

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Medical Officer of Health.

Physician to the Infectious Diseases Hospital,
and to the Smallpox Hospital.

BIRKENHEAD :

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

1906.

HEALTH COMMITTEE
OF THE
BIRKENHEAD TOWN COUNCIL,
1905-1906.

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

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

†*MR. ALDERMAN WILLIAM GETLEY, J.P.

MR. ALDERMAN THOMAS CHARLES CLARKE.

MR. COUNCILLOR WILLIAM H. ANDERSON, M.B., C.M. (Glasg.)

*MR. COUNCILLOR CHARLES S. BREWER, L.R.C.P. & S. (Edin.)

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(Lond.)

*MR. COUNCILLOR JOSEPH ROSCOE SIMM.

AND

HIS WORSHIP THE MAYOR
(W. G. WALL, Esq.,) *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,
1905.

Medical Officer of Health.

R. SYDNEY MARSDEN, D.Sc., M.B., Mast. Surg., D.P.H., F.I.C.

Borough Analyst.

J. CARTER BELL, Assoc. Roy. Sch. Mines., F.I.C., F.C.S., &c.

Chief Inspector and Inspector under the Food and Drugs Act.

*WILLIAM DAWSON, Assoc. San. Inst.

Chief Clerk.

JOSEPH BENNETT.

Junior Clerks.

A. E. BRENNIGER. 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.

JOHN JONES.

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,

31st May, 1906.

GENTLEMEN,

I have the honour of submitting to you
my Fourteenth Annual Report to the Health
Committee on the Sanitary Condition of Birken-
head, viz., that for the year 1905.

And remain, Gentlemen,

Your obedient servant,

R. SYDNEY-MARSDEN,

MEDICAL OFFICER OF HEALTH.

COUNTY BOROUGH OF BIRKENHEAD

DURING 1905.

SHORT SUMMARY.

Area in Acres ...	3,850, or a little more than 6 square miles.
No. of Houses in the Boro', Dec. 31st ...	24,305
No. of Uninhabited Houses at time of Census ...	1,428
Population (at Midsummer) ...	116,040
Rateable Value ...	£616,589
1d. in the £ yields for General Purposes...	£2,422
1d. in the £ yields for Sanitary Purposes ...	£2,228
Number of Persons per Acre (Density of Population) ...	30·1
Number of Persons per House at time of Census ...	5·6
Birth Rate per 1,000 living ..	32·0
Death Rate do. ...	15·4
Zymotic Death Rate do. ...	1·8
Average Death Rate last 10 years (1895-1904) ...	18·8
Deaths of Children under 1 year of age to 1,000 Births	127
Percentage of Uncertified Deaths...	0·3

THE SANITARY CONDITION
OF THE
COUNTY BOROUGH OF BIRKENHEAD
DURING 1905.

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

In presenting this my Fourteenth Annual Report on the work done by the Public Health Department of the Borough, and particularly on that carried out during the year 1905, it is pleasant to have to record that the death rate for the past year is the lowest yet recorded in the town's history. The gradual and steady decline in the death rate year by year—in spite of the increasing population and greater density per acre—speaks well for the vigilance of the Health Committee in carrying out the provisions of the many Acts of Parliament with the requirements of which they have to deal.

In my last annual report I gave a list of some two dozen Acts of Parliament which have to be administered by your Committee, and new provisions and Local Government Board Orders are constantly being made, which go on adding to the work which has to be done to safeguard the public health.

The steady growth of the population of the Borough also increases the work to be done, and as street after street of houses goes on being added to the existing number year by year, it is obvious that this must be so—and that expenses must proportionately increase.

The public is becoming each year more and more exacting in its requirements with regard to the examination of houses and of any real or imaginary evil which might be thought to endanger the health of the Borough or of individuals; the result is that many enquiries and investigations have to be made which a few years ago would not have been undertaken.

It is now eleven years since the new Infectious Diseases Hospital was opened, and at that time provision was made for 56 beds, very little more than half the number asked for by the Local Government Board. The population at that time was 105,416, and it is now 117,203, it is evident therefore that the Committee will have to face an extension of the hospital within the next few years. It is true that 44 additional beds have been provided on the site adjacent to the present hospital site, but these have been scrupulously reserved for smallpox cases and do not therefore add to the size of the general hospital. I do not wish to unduly press this matter, but I think it is one which calls for consideration before a condition of great urgency arises.

In connection with the carrying out of the provisions of the Acts above referred to, no less than 7,416 nuisances were dealt with during the year, 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, 2143 different notifications were received, and the houses, bedding, clothing &c. disinfected after the disease, and 477 of these cases were treated in the Fever Hospital, and two in the Smallpox Hospital. Smallpox was introduced into the town on

two separate occasions, giving rise to two cases as stated above, but these were at once removed to hospital, and no further spread of the disease occurred.

As I stated last year, 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 the bakehouses and confectioners shops in the borough, and this has resulted in a very great improvement in the sanitary state of these places. 380 visits were made to bakehouses during the year. 503 visits were made to different shops in connection with the Shop Hours Acts, and 215 visits in connection with the Seats for Shop Assistants Act; whilst 1,824 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 105 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 227,300 oxen, 11,772 sheep and lambs, 5,528 pigs, and 704 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 again 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 1905.**

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 1905 is as follows:—

	1905.
Number of nuisances reported	7416
Number of formal notices given	2102
Number abated after formal notice and without proceedings	7416
Number of cases in which proceedings were taken for ordinary nuisances ... ..	...
Number abated after proceedings... ..	...
House disinfecting notices... ..	974
Nuisances at houses let in lodgings	13
Nuisances at common lodging houses	24
Notices for cleansing of filthy houses ... ..	...

A brief statement of the other measures taken in 1905 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	290
Houses or parts of houses specially disinfected by sulphurous acid or other disinfectants	1563
Notice to whitewash and efficiently cleanse milk-houses, cowsheds and dairies, given and complied with	380

Offensive privies ordered for conversion into water-closets	...	...	...	...	...	13
Parcels of infected bedding and clothes disinfected at the Disinfecting House	...	..	...			754
Parcels of infected or discarded bedding and clothes destroyed	...	...	...	...		634
Carcases of dogs and cats &c. removed from pools or waste land and buried	...	...	...			106
Deposits of putrid fish and other objectionable refuse removed	...	...	...	...		4
						—
Total	...	...	...	...	...	3744
						—

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

Number of excavations made for the purpose of testing the condition of house drains	287
„ smoke tests applied to drains of premises reconstructed under the supervision of this Department	174
„ water tests applied to drains.	363
„ smoke tests applied to the drains of new buildings, in conjunction with the Borough Surveyor's Department	908

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 1905.

					Number of Visits and Revisits made to Insanitary Property.
District I.—Inspector Fitzgerald	...	...	...	...	6211
„ II.— „ Lee	...	...	...	...	4072
„ III.— „ H. T. Taylor	...	...	...	...	4283
„ IV.— „ W. H. Tilston	...	...	...	...	6103
Disinfecting Inspector Isaac Taylor	...	...	...	...	9899
Total	...	...	...	...	30568

Smoke Nuisances.—Fifteen observations were taken of the smoke emitted from the factory and other chimneys of the Borough during the year 1905.

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

Inspection of Common Lodging Houses and Houses let in Lodgings.

The following is a statement of the work performed during the year 1905 by the Inspector of Common Lodging Houses and Houses let in Lodgings, viz:—

REGISTERED COMMON LODGING HOUSES.

Day Inspections 2588

Night Inspections 164

The total number of registered lodging houses is sixteen.

REGISTERED HOUSES LET IN LODGINGS.

Day Inspections 2878

Night Inspections 42

The total number of houses let in lodgings on the register at the end of 1905 was 625.

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:—

- 1824 visits have been made to workshops.
- 580 visits have been made to bakehouses.
- 20 visits have been made to workplaces.
- 104 visits have been made to homeworkers premises.
- 47 workshops, including 8 bakehouses, have been placed on the register during the year, making a total of 407 up to the end of 1905, of which 55 are bakehouses and 27 are confectioners' shops.
- 17 workshops have been closed.
- 10 workshops have been transferred to more suitable premises.
- 324 nuisances in connection with workshops have been reported and abated.
- 68 notices have been served for the abatement of nuisance arising out of defective drainage, and 34 for inefficient ventilation.
- 66 notices to cleanse and limewash the workshops have been served and complied with.
- 46 occupiers of workshops have limewashed their premises under inspection, but without waiting for the formal notice.
- 2 cases of overcrowding have been reported during the year.
- 23 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.—120 visits were made during the year to the 24 laundries at present on the register.

Bakehouses.—The duties involved in carrying out the provisions of the Acts relating to the sanitary condition of bake-

houses have been put under a special Inspector, and during the year 580 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 503 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.]

80 premises have been visited under this Act, and 215 visits made during the year ending 1905.

SHOP HOURS ACT, 1904.

At a Meeting of the Health Committee held on the 7th February, 1905, a letter dated 1st February, 1905, was received from the Birkenhead and District Hairdressers Association, enclosing a Memorial requesting the Council to make an Order under the Shop Hours Act, 1904, in reference to the hours of closing Barbers Shops in the Borough. The matter was referred to a special Sub-Committee which met on the 7th March, 1905, to consider it. The memorial having been read, copies of the circular from the Home Office, dated 21st November 1904, in reference to the provisions of the Shop Hours Act 1904, and of the Regulations dated 13th February 1905, made by the Secretary of State for the Home Department, under section 7 of the Shop Hours Act 1905, were laid before the Committee.

Instructions were given to the Medical Officer and Chief Inspector to prepare a Register of all the Hairdressers' Shops in the Borough, and that steps be taken to verify the signatures to the above mentioned memorial.

At a subsequent meeting of the Sub-Committee held on 18th April, 1905, it was reported that the signatures to the

memorial had been duly verified. A draft form of closing order was submitted and approved by the Sub-Committee, and it was decided to advise the Health Committee to recommend the Council to pass a resolution to the effect that a *prima facie* case had been made out for making a Draft Closing Order.

This was confirmed by the Health Committee at its meeting on the 18th April, and was approved by the Council on the 3rd May, 1905, and the necessary order made as follows:—

COUNTY-BOROUGH OF BIRKENHEAD.

SHOP HOURS ACT 1904.

CLOSING ORDER WITH RESPECT TO HAIRDRESSERS' SHOPS.

NOTICE IS HEREBY GIVEN that the Closing Order which the Closing Order which the Council of the County-Borough of Birkenhead made in accordance with the Notice given by them on the 8th day of July, 1905, has been confirmed by the Secretary of State in the form annexed hereto, and is now in force.

DATED this 23rd day of August, 1905.

ALFRED GILL,
Town Clerk.

Town Hall, Birkenhead.

SHOP HOURS ACT, 1904.

COUNTY-BOROUGH OF BIRKENHEAD.

CLOSING ORDER WITH RESPECT TO HAIRDRESSERS' SHOPS.

WHEREAS we, the Mayor, Aldermen and Burgesses of the County-Borough of Birkenhead acting by the Council, the Local Authority within the meaning of the Shop Hours Act 1904, have received a Memorial from Hairdressers in the Borough of Birkenhead requesting us to make a Closing Order under the provisions of the said Act relating to Hairdressers' shops within the area of the said Borough, and intimating that it is desirable that all Hairdressers' shops within the said area should be closed on the days and at the hours mentioned in the said Memorial:

AND WHEREAS we are satisfied that it is expedient to make this Closing Order and that the occupiers of at least two-thirds in number of the shops to be effected by the Order approve the Order.

NOW THEREFORE we, the Mayor, Aldermen and Burgesses of the County-Borough of Birkenhead acting by the Council in pursuance of the powers given to us in that behalf do by this our Order direct as follows:—

1. This Order may be cited as "The Birkenhead Hairdressers' Closing Order, 1905."

2. All Hairdressers' shops within the Borough of Birkenhead shall subject to the undermentioned proviso be closed for serving customers on the following week-days in every week at the hours undermentioned, namely:—

- On each Monday at 8 o'clock p.m.
- On each Tuesday at 8 o'clock p.m.
- On each Wednesday at 9 o'clock p.m.
- On each Thursday at 1 o'clock p.m.
- On each Friday at 9-30 o'clock p.m.
- On each Saturday at 11 o'clock p.m.

PROVIDED that this Order shall not apply or have effect on either of the days immediately preceding Good Friday, Christmas Day, and New Year's Day.

Given under the Common Seal of the Mayor, Aldermen and Burgesses of the County-Borough of Birkenhead this 5th day of July, 1905.

(Signed) E. W. CROSBIE OATES,
Mayor.

(Signed) ALFRED GILL,
Town Clerk.

In pursuance of the powers conferred on me by Section 3 (2) of the Shop Hours Act 1904, I hereby confirm the foregoing Closing Order.

(Signed) A. AKERS DOUGLAS,
One of His Majesty's Principal
Secretaries of State.

Whitehall, 18th August, 1905.

In connection with the carrying out of the provisions of the above Order, 265 visits were made to Hairdressers' Shops during the year subsequent to its confirmation, and two summonses were issued for infringement of the Order and penalties imposed in each case.

At a meeting of the Health Committee held on the 21st February, 1905, a letter was read dated the 20th February, 1905, from the Secretary of the Birkenhead Branch of the National Amalgamated Union of Shop Assistants &c., enclosing a memorial from Pawnbrokers trading in Birkenhead, requesting the Council to make a Closing Order under the provisions of the Shop Hours Act 1904. This was referred to the Special Sub-Committee, and after full consideration and all the different steps had been taken as in the case of the Hairdressers' Order detailed above, the Sub-Committee decided to advise the Health Committee to recommend the Council to pass a resolution to the effect that a *prima facie* case had been made out for making a Draft Closing Order in relation to all Pawnbrokers' Shops in the Borough. This was subsequently approved by the Health Committee on the 21st June, and confirmed by the Council on the 5th July, 1905, as follows:—

SHOP HOURS ACT 1904.

COUNTY-BOROUGH OF BIRKENHEAD.

CLOSING ORDER WITH RESPECT TO PAWNBROKERS' SHOPS.

WHEREAS we, the Mayor, Aldermen and Burgesses of the County-Borough of Birkenhead acting by the Council, the Local Authority within the meaning of the Shop Hours Act 1904, have received a Memorial from Pawnbrokers of Birkenhead and District requesting us to make a Closing Order under the provisions of the said Act relating to Pawnbrokers' shops within the area of the said Borough, and intimating that it is desirable that all Pawnbrokers' shops within the said area should be closed on the days and at the hours mentioned in the said Memorial:

AND WHEREAS we are satisfied that it is expedient to make this Closing Order and that the occupiers of at least two-thirds in number of the shops to be affected by the Order approve the Order.

NOW THEREFORE we, the Mayor, Aldermen and Burgesses of the County-Borough of Birkenhead acting by the Council in pursuance of the powers given to us in that behalf do by this our Order direct as follows:—

1. This Order may be cited as "The Birkenhead Pawnbrokers' Closing Order, 1905."

2. All Pawnbrokers' shops within the Borough of Birkenhead shall subject to the undermentioned proviso be closed for serving customers on the following week-days in every week at the hours undermentioned, namely :—

On each Monday at 8 o'clock p.m.
 On each Tuesday at 7 o'clock p.m.
 On each Wednesday at 7 o'clock p.m.
 On each Thursday at 1 o'clock p.m.
 On each Friday at 8 o'clock p.m.
 On each Saturday at 11 o'clock p.m.

PROVIDED that this Order shall not apply or have effect on either of the six working days immediately preceding New Years Day, Easter Monday, Whit-Monday, the first Monday in August, Christmas Day, and any public holiday in any year.

Given under the Common Seal of the Mayor, Aldermen and Burgesses of the County-Borough of Birkenhead this 5th day of July, 1905.

Subsequently a number of the Pawnbrokers withdrew from their request for the order, and under these circumstances the Home Secretary disallowed it—and it never came into force.

At a meeting of the Health Committee held on the 27th June, 1905, a memorial was read from the Birkenhead Grocers' Association requesting the Council to make an Order in reference to the hours of closing Grocers and Provision Dealers' shops in the Borough.

This was referred to the Sub-Committee—as before—and the necessary steps taken for preparing a Register of all the Grocers and Provision Dealers' shops in the Borough.

After investigation the Medical Officer and Chief Inspector reported to the Sub-Committee at its meeting on the 19th September, 1905, that the memorial contained the signatures of 107 grocers and that of the 552 shops appearing in the register the occupiers of 150 shops had signed the memorial in favour of a Closing Order, also that 153 occupiers had not signed

but were in favour, making a total number of occupiers of Grocers' shops in favour of a Closing Order 303, but that the occupiers of 249 shops on the register were not in favour of a Closing Order being made.

The Sub-Committee considered the report, and having regard to the fact that under section 3 of the Shop Hours Act 1904, the Local Authority have to be satisfied that the occupiers of at least two-thirds in number of the shops to be affected by the order, approve the order, the Sub-Committee decided to report to the Health Committee that it was not practicable to proceed further with the suggested making of an order as desired by the memorialists.

The Midwives Act, 1902.

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

Up to the end of the year 1905 some 56 midwives had entered their names on the local register as practising in the borough, but names are constantly being added to the roll and there is reason to believe that this number will be considerably added to. Of the above 56, four of them subsequently left the district, and their names have been removed from the register accordingly. One woman was reported for drunkenness whilst on duty, and her name removed from the register by the Central Midwives Board.

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 1905.

The total weight of the meat destroyed amounted to 172,621 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 1905 was 226,377 and 4 sheep, and 172 oxen and 158 sheep were killed at Wallasey Stage and 695 sheep at No. 4 Shed Wallasey, within our jurisdiction. At the Abattoirs in New Chester Road there were killed 757 beasts, 6726 sheep, 4189 lambs, 704 calves, and 5528 pigs; a total of 17898.

In addition to the above 298-lbs of fruit and vegetables, 34-lbs of tinned fruit, and 14-lbs of fish were seized 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 105, viz.—Butter 21, Cheese 5, Compound Liquorice Powder 8, Lard 2, Margarine 1, Milk 56, Sugar 3, Sweets 8, Vinegar 1.

Out of the above, 5 samples of Milk, 2 of Butter, and 2 of Compound Liquorice Powder 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.
1905.				£ s. d.
March 31	3	Milk ..	Deficient of 23 % of fat	1 3 0
" "	4	Milk ..	" 26 " "	5 0 0
" "	1	Milk ..	" 16 " "	2 0 0
June 30	2	Compound Liquorice Powder	5 % of olive stones ..	0 3 0
" "	4	Do. ..	2 % of olive stones ..	0 3 0
December 31	4	Milk ..	7 % of added water ..	1 3 0
" "	1	Milk ..	2 " " "	Dismissed on payment of costs

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 182, in addition there are 13 cowsheds, and 49 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.

1905				Mean Tempera- ture	Mean Barometer	Rainfall 1 ft. above ground
				°	Inches	Inches
January	..	..	..	39.7	30.200	1.068
February	..	..	..	41.3	30.133	1.141
March	..	..	..	44.8	29.643	3.382
April	..	..	..	45.3	29.831	2.094
May	..	..	..	52.0	30.136	0.417
June	..	..	..	59.1	29.963	2.172
July	..	..	..	62.1	30.036	3.170
August	..	..	..	58.7	29.845	3.221
September	..	..	..	54.5	29.971	1.403
October	..	..	..	46.4	30.025	1.983
November	..	..	..	41.7	29.661	3.448
December	..	..	..	42.2	30.194	0.512

Mean Barometer for the whole year=29.970 inches.

Mean Barometer for the past 39 years=29.921 inches.

Total amount of rainfall at Bidston, 1905=24.011 inches.

Number of wet days in year=192 inches.

Barometer.—The mean barometer of 1905 (29.970 inches) was higher than in recent years and 0.05 higher than the average mean of the last 39 years. The greatest wind storm during the

year was on January 6th, when it varied from 55 to 18 miles per hour. On February 9th the wind varied from 53 to 26 miles per hour. There were four absolutely calm hours in which there was no wind, these occurred on 8th and 14th August, one hour each day, and November 20th, two hours. 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 1905, 24·011 inches, was lower than usual and 4·602 inches less than the average of the previous thirty-nine 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
1890	26·820	199	1898	25·719	183
1891	31·643	194	1899	27·807	186
1892	33·032	211	1900	32·054	208
1893	24·537	181	1901	25·192	190
1894	27·912	202	1902	25·566	200
1895	26·265	172	1903	34·418	224
1896	26·633	196	1904	25·175	196
1897	28·580	189	1905	24·011	192

Average rainfall for 39 years=28·613 inches.

The figures for the years 1887 to 1899 are given in my Report for 1904.

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 1905.

**Weekly Return of Cases of Scarlet Fever, Measles, Typhoid,
and Diphtheria notified during 1905, and the weekly
variations of Temperature and Rainfall.**

Week ending	No. of week since Jan. 1st, 1905	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. 7	1	— '24	4.4	14	0	4	0	2	0	3	1
14	2	— '35	2.3	18	0	10	0	0	0	8	1
21	3	— '25	— 6.1	10	0	3	0	2	1	2	1
28	4	— '36	— 0.2	8	1	14	0	0	0	1	1
Feb. 4	5	— '22	3.7	16	1	8	0	1	0	6	1
11	6	— '18	1.0	14	2	11	0	0	0	9	1
18	7	— '20	3.2	19	0	4	0	1	0	4	1
25	8	— '21	— 4.9	8	2	19	0	0	0	11	0
March 4	9	— '16	— 1.2	18	0	3	1	1	0	1	1
11	10	+ '57	1.7	16	1	20	0	0	0	4	0
18	11	+1'00	3.6	18	1	15	1	0	0	0	0
25	12	+ '10	4.3	15	0	12	0	1	0	3	1
April 1	13	+ '16	2.7	10	0	26	1	0	0	4	0
8	14	+ '51	— 3.5	7	1	12	1	0	0	0	0
15	15	— '20	2.0	16	0	26	1	1	0	4	2
22	16	— '35	— 5.5	8	0	23	0	0	0	3	0
29	17	+ '39	— 1.5	14	1	34	0	2	0	0	0
May 6	18	— '09	— 1.2	15	0	55	1	1	0	2	0
13	19	— '34	0.0	24	0	55	0	1	0	5	1
20	20	— '40	2.2	11	0	51	2	1	1	1	0
27	21	— '34	— 1.9	9	1	39	3	0	0	3	0
June 3	22	— '09	2.4	5	0	60	3	0	0	0	0
10	23	— '45	— 3.2	10	0	39	3	0	0	3	2
17	24	+ '80	4.1	7	0	54	5	0	0	4	1
24	25	— '06	2.6	13	0	61	0	5	0	5	0
July 1	26	— '11	3.3	15	0	50	1	0	1	2	0
8	27	— '54	0.3	17	0	61	2	5	0	0	0
15	28	+ '97	4.9	11	0	18	0	2	2	2	0
22	29	— '37	1.0	8	0	16	3	3	0	0	0
29	30	— '12	— 0.1	8	0	16	1	5	0	3	0
Aug. 5	31	+ '17	— 1.8	8	0	20	1	2	1	1	0
12	32	+ '21	— 2.6	15	1	13	0	1	0	1	0
19	33	— '54	— 0.6	15	0	8	0	0	0	1	0
26	34	— '30	— 1.8	19	0	10	0	2	0	0	0
Sept. 2	35	+ '32	— 2.4	17	0	5	0	0	0	1	1
9	36	— '18	— 0.3	25	2	4	0	0	0	1	1
16	37	+ '15	— 2.3	31	3	6	1	0	0	4	0
23	38	— '72	— 2.0	20	1	15	0	0	0	3	0
30	39	— '80	— 2.6	28	0	20	0	2	0	3	0
Oct. 7	40	— '71	— 2.1	24	0	6	0	3	0	1	0
14	41	— '20	— 0.9	23	1	5	0	5	0	4	0
21	42	— '67	— 7.5	25	2	3	0	1	0	2	4
28	43	— '30	— 3.2	32	0	2	1	2	0	3	0
Nov. 4	44	— '69	— 2.2	31	0	4	0	3	0	1	0
11	45	— '04	— 0.4	43	0	6	0	2	0	4	0
18	46	+ '23	— 4.8	18	1	3	0	1	0	3	0
25	47	+ '72	— 1.2	18	1	5	0	1	0	1	0
Dec. 2	48	— '18	3.1	18	2	3	0	1	0	3	0
9	49	+ '38	5.4	20	2	9	0	0	0	3	0
16	50	— '50	2.7	31	1	2	0	2	0	3	0
23	51	— '57	2.8	16	0	1	0	1	0	1	1
30	52	— '44	1.1	15	0	10	0	0	0	1	0

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

PREVALENCE OF ZYMOTIC SICKNESS DURING 1905.

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	Fevers	Typhus
Measles		Typhoid
Scarlatina		Continued
Diphtheria		Relapsing
Membranous Croup		Puerperal Septicæmia
Erysipelas		Cholera

The cases notified appear in the following return, showing that 2143 cases were notified during the year, being 1045 less than the number notified last year; the decline of the epidemic of measles 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.

1905	Smallpox	Measles	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Puerperal Fever.	Fever	Cholera	Mem. Croup	Erysipelas	TOTAL
January....	..	32	55	16	..	4	..	1	..	..	6	114
February ..	..	43	58	28	..	2	..	..	..	3	2	136
March .....	..	72	70	12	..	2	1	..	..	4	6	167
April	1	100	48	7	..	3	..	..	..	2	2	163
May .....	..	229	60	11	..	3	..	..	..	1	6	310
June .....	..	225	46	14	..	5	1	..	..	..	8	299
July	1	127	46	6	..	16	..	..	..	..	7	203
August .....	..	45	68	3	..	4	..	..	..	..	4	124
September..	..	47	109	11	..	2	..	1	..	1	5	176
October .....	..	18	122	10	..	12	1	..	..	2	7	172
November..	..	16	105	10	..	6	1	..	..	1	6	145
December ..	..	25	87	10	..	4	2	..	..	1	5	134
	2	979	874	138	..	63	6	2	..	15	64	2143

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
1905	2	979	874	138	..	63	8	15	..	64	2143

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 1905, was 116,040, 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 1905 was 3345, and the number demolished in the same period was 212, a net gain of 3133, giving a total for the Borough at end of the year 24,305. 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, was 2911, for which information I am indebted to the Borough Surveyor. The number of houses demolished during the same period being 493.

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

April 1st to December 31st, 1901	...	...	311
January 1st to December 31st, 1902	...	...	646
" " 1903	...	...	897
" " 1904	...	...	643
" " 1905	...	...	848
Total			...3345

The number of houses demolished since taking of Census to end of 1904 was 60, and 152 were taken down during 1905, a total of 212. The number of new houses erected from January 1st to 30th June 1905 was 471.

Taking the total number of houses in the Borough as given above viz. 24,305, and allowing 1,500 as uninhabited (there were 1,428 uninhabited at the time of the Census), then we have 22,805 inhabited houses in the Borough on the 31st December, 1905—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 127,707, or about 11,667 more than the number estimated (116,040) 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 1905 the returns of the local registrars recorded 3707 births and 1833 deaths in the Borough of Birkenhead. The natural increase in the population in 1905 was therefore 1874. Of the births 1909 were males and 1798 were females; of the deaths 947 were males and 886 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.		1905		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	297	285	302	244	282	257	259	259	1140	1045	2185
Claughton	15	12	16	12	16	9	10	19	57	52	109
Tranmere	175	152	166	166	153	180	140	137	634	635	1269
Oxton	5	5	6	10	9	4	4	5	24	24	48
Bebington	5	4	7	5	6	4	4	5	22	18	40
Union Hospital	3	3	10	9	9	4	10	8	32	24	56
Birkenhead Borough ..	500	461	507	446	475	458	427	433	1909	1798	3707

DEATHS	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1905.		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	128	100	134	115	154	141	119	124	535	480	1015
Claughton	6	6	2	10	4	5	5	6	17	27	44
Tranmere	58	52	67	61	51	59	61	70	237	242	479
Oxton	1	11	3	9	4	3	2	7	10	30	40
Bebington	5	8	4	7	..	2	4	5	13	22	35
Union Hospital	24	25	36	17	29	18	46	25	135	85	220
Birkenhead Borough ..	222	202	246	219	242	228	237	237	947	886	1833

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
1905	116040	30·14	3707	31·94	1833	15·79	239	2·05

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 1905 may be compared with the corresponding rates of the most populous cities and boroughs in England, the following table has been compiled from the Registrar General's Quarterly Returns of Births, Deaths, and causes of death in London and the other great towns, 1905. The table gives the *estimated* population of the thirty-seven large towns at Midsummer 1905. 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 Work-house, &c.

Table I. shows the deaths registered in the whole Borough during 1905, arranged with reference to the age at which death occurred in each case. They are disposed in four sub-tables—the deaths in the townships of Birkenhead and Claughton in the first, deaths in Tranmere (exclusive of the Union premises) and Oxtou in the second, the deaths in the incorporated portion of Higher Bebington in the third, and the deaths in the Union

Thirty-seven Great Towns—Population, Births, Deaths, &c., for the Year 1905.

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

CITIES AND BOROUGHES.	Estimated Population at Midsummer 1905	Births.	Deaths.	Annual Rate per 1000 Living			Deaths from							Deaths of Children under one year of age to 1000 Births.	Rate per cent of Uncertified Deaths.	
				Births.	Deaths.	Principal Zymotic Diseases.	Deaths from									
							Small-Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-Cough.	Fever.	Diarrhoeal Diseases.			
London ..	4684794	126620	73002	27.1	15.6	1.71	7990	10	1715	549	553	1507	246	3410	131	0.2
Croydon ..	147704	3895	1839	26.4	12.5	0.98	145	..	25	11	23	33	4	49	95	..
West Ham ..	294997	9029	4366	30.7	14.8	2.98	877	..	103	35	76	166	29	468	153	0.0
Leyton ..	114555	3209	1180	28.1	10.3	1.37	157	..	32	10	15	29	10	61	94	1.0
Brighton ..	127183	2911	1711	23.0	13.5	0.56	70	..	4	1	5	11	2	47	101	0.5
Portsmouth ..	201975	5641	3345	28.0	16.6	2.64	534	..	218	11	69	45	18	173	133	1.4
Southampton ..	114897	2868	1648	25.0	14.4	2.37	270	4	130	10	26	19	10	71	132	..
Norwich ..	116741	3205	1892	27.8	16.3	1.60	155	..	1	2	23	13	8	138	174	1.0
Plymouth ..	116000	2966	1946	25.6	16.8	1.44	165	..	11	30	17	7	8	92	135	0.1
Bristol ..	358515	9653	5203	27.0	14.6	1.50	536	..	180	38	56	121	12	129	122	0.3
Wolverhampton ..	99456	2851	1488	28.7	15.0	2.26	225	..	45	14	18	12	9	127	137	0.4
Birmingham ..	542859	15857	8752	29.3	16.2	1.90	1030	1	238	52	94	156	37	452	154	3.5
Leicester ..	228132	5888	3017	25.9	13.3	1.62	368	..	53	34	12	50	8	211	143	1.3
Nottingham ..	251671	6652	4141	26.5	16.5	2.27	570	1	230	18	48	60	23	190	155	0.8
Derby ..	122207	3095	1775	25.4	14.6	1.52	185	2	45	11	23	21	9	74	151	..
Stockport ..	98320	2966	1640	27.2	16.7	1.96	193	..	19	7	7	31	10	119	168	0.4
BIRKENHEAD ..	116040	3707	1833	32.0	15.4	1.86	295	..	32	28	22	1	6	115	129	0.3
Wallasey ..	62460	1657	781	26.6	12.5	1.08	67	..	1	6	10	2	9	39	98	1.5
Liverpool ..	730143	24237	14290	33.3	19.6	2.59	1893	..	236	299	151	148	76	983	153	3.4
Bootle ..	62758	2070	1139	33.1	18.2	2.88	180	..	9	34	18	19	5	95	155	4.0
St. Helens ..	89843	3239	1528	36.2	17.1	2.13	191	..	42	16	19	27	2	85	134	4.4
Bolton ..	178111	4446	2677	25.0	15.1	1.94	344	..	94	4	17	8	34	187	167	0.4
Manchester ..	631185	18543	11327	29.5	18.0	2.25	1411	..	232	80	124	195	57	723	157	1.7
Salford ..	231514	7079	3910	30.7	16.9	2.57	591	..	73	67	82	46	44	279	148	0.4
Oldham ..	140225	3335	2514	24.3	18.0	2.10	292	5	62	45	12	57	11	100	150	0.0
Burnley ..	101682	2666	1679	26.3	16.6	2.33	235	4	13	21	19	26	13	139	173	1.1
Blackburn ..	133067	3193	2151	24.1	16.2	2.01	267	..	46	77	32	12	15	85	146	4.0
Preston ..	115721	3263	2067	28.3	17.9	3.15	363	1	86	8	19	79	18	152	154	2.8
Huddersfield ..	94888	2256	1606	23.8	17.0	1.10	104	..	5	11	10	18	18	42	119	0.6
Bradford ..	286799	6044	4357	27.1	15.2	1.42	409	7	12	47	80	96	24	143	144	1.1
Leeds ..	456787	12338	6946	27.1	15.2	1.61	727	3	110	39	44	117	54	360	151	0.2
Sheffield ..	440414	13070	7467	29.8	17.0	3.20	1404	..	411	98	55	128	43	669	167	2.3
Hull ..	258127	7744	4185	30.1	16.3	2.37	611	3	23	24	77	129	25	330	152	1.0
Sunderland ..	152761	5238	2837	34.4	18.6	2.24	340	..	95	1	30	58	30	126	142	3.0
South Shields ..	106990	3501	1754	32.1	16.1	1.84	199	4	25	6	24	64	23	53	146	4.3
Newcastle-on-Tyne ..	284511	8478	4432	32.1	16.8	1.33	354	2	35	14	51	87	11	154	135	0.6
Cardiff ..	180654	5739	2398	28.6	18.4	1.14	206	..	79	4	23	35	8	57	118	0.2

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 1905, the deaths of infants under one year of age accounted for 481, those over one year but under five years of age 218, children and young persons 100, adults 547, old people sixty years of age and upwards 487.

The relative proportion of deaths in 1905 among the infants, children and young persons, adults and old people, to the whole number of deaths, in certain sub-divisions of the borough, in the premises controlled by the Guardians of the Poor, and in the entire incorporated area, is readily shown in tabular form, thus:—

Percentage of Deaths at certain ages to Total Deaths.	Under 1 Year	Age between														85 years and upwards.
		1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65-75	75-85	
Birkenhead and Claughton	16.74	5.94	1.63	1.08	0.65	1.41	0.54	0.92	1.20	3.98	3.10	4.47	6.16	6.16	3.10	0.60
Tranmere & Oxtan	8.00	1.30	0.38	0.49	0.16	0.60	0.60	0.60	0.60	1.96	2.01	2.83	2.61	3.05	2.61	0.46
Bebington	0.20	..	0.05	..	..	0.20	0.16	0.10	..	..	0.10	0.16	0.10	0.49	0.20	0.05
Union Hospital and W'house	1.25	0.10	0.05	..	..	0.10	0.05	0.10	0.54	0.81	1.03	1.69	2.12	2.23	1.71	0.10
Birkenhead Borough	26.4	7.36	2.12	1.58	0.81	2.34	1.36	1.71	2.34	6.76	6.27	9.16	11.02	11.74	7.69	1.20

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, Oxtan 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.

Deaths from Zymotic Diseases.—The deaths from zymotic diseases include 98 by what have been termed the chief zymotics (certain diseases belonging to the miasmatic order), viz., chicken-pox 1, measles 32, scarlatina 28, diphtheria 22, membranous croup 7, fevers 6, and puerperal septicæmia 2. The remaining 141 were entered to what have been called minor zymotics (diseases less

prevalent, less fatal, or less obviously zymotic in character), viz., whooping cough 1, erysipelas 6, influenza 12, diarrhœa 115, syphilis 3, dysentery 1, and other zymotic diseases 3.

Relative Fatality of Chief Zymotic Diseases.

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

Year	Deaths from Zymotic Diseases.								Death rate per 1000 living.							
	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	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
1905	...	32	28	22	1	...	6	115	...	0.27	0.24	0.18	0.001	...	0.005	0.99

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

Inquests.—The number of inquests held during 1905 was 158, thus 8.6 per cent. of the sum of the deaths in the Borough formed the subject of official enquiries. Out of the 158 inquests held, 5 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 1905, out of the 1,833 deaths registered, 6 were marked "not certified," that is 0.3 per cent. The causes of the 6 deaths were entered in accordance with the statements of persons giving information to the registrars as follows:—

Bright's Disease	...	...	...	...	...	1
Anæmia	...	...	...	...	...	1
Phthisis	...	...	...	...	..	1
Cancer	...	...	...	...	...	1
Enteritis	...	...	...	...	...	1
Paralysis	..	...	...	...	...	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 0·30 per cent. in 1904.

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.

1905	Estimated Population at Midsummer, 1905.	Deaths from All Causes		Deaths from Zymotic Diseases		Death rate per annum.
		M.	F.	M.	F.	
Cleveland Ward ..	20947	165	160	32	28	15·5
Cloughton ..	4101	17	27	2	3	10·7
Grange ..	27842	223	222	31	39	15·9
Argyle ..	15796	147	98	20	16	15·5
Oxton ..	4791	10	30	1	4	8·3
Egerton ..	13696	85	80	9	5	12·0
Clifton ..	19018	118	119	9	15	12·4
Mersey ..	6741	34	43	4	5	11·4
Bebington ..	3108	13	22	2	2	11·2
Birkenhead Borough in- cluding deaths in Union premises	116040	947	886	117	122	15·79

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, 1905.

Registrar's Sub-District	Estimated Population 1905.	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 ..	64585	2150	35	0·3	9·7	298	18	3·74
Tranmere, Oxtun, Cloughton, and Bebington ..	51455	1455	67	0·5	18·5	183	25	5·19
Total ..	116040	3605	102	0·8	28·2	481	43	8·93

Illegitimacy.

	Births					Deaths of Illegitimates under 1 year				
	1 Qr.	2 Qr.	3 Qr.	4 Qr.	Total	1 Qr.	2 Qr.	3 Qr.	4 Qr.	Total
Birkenhead	11	3	11	10	35	2	4	7	5	18
Tranmere	9	22	16	20	67	4	6	5	10	25
Totals	20	25	27	30	102	6	10	12	15	43

HOUSING OF THE WORKING CLASSES ACT, 1890.

Under the provisions of this Act during the year 1905, I made the following representation under Part II. of the Act respecting the condition of certain houses, which premises were in a very insanitary condition.

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

2nd May, 1905.—1, 2, 3, 4 and 5, Houlden's Place, Old Chester Road. As the result of the representation, these premises were closed and are no longer used for habitation.

It will 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, 1906.

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 1905.

September ... J.W.

The fund is now regularly used as far as possible.

THE INFECTIOUS DISEASES HOSPITAL,
TOLLEMACHE ROAD.

Report for the Year 1905.

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., J.P.

MATRON:

MISS EMILY YEOMANS.

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

The total number of patients treated in the hospital during the year (January 1st to December 31st) was 519; of these, 477 were admitted during the year, and 42 remained in hospital from 1904. Out of those admitted 17 died, giving a death-rate of 3·5 per cent, a very low percentage.

The following table gives a summary of the cases treated in the hospital during the year 1905, along with the results obtained.

DISEASES	M.	F.	Re-covered		Died	
			M.	F.	M.	F.
Typhoid Fever—remaining ..	..	1	..	1	..	..
admitted ..	10	8	9	8	1	..
Scarlatina—remaining	17	24	17	24	..	..
admitted	209	218	205	213	4	5
Diphtheria—admitted	7	7	4	4	3	3
Croup .. ..	..	1	..	1	..	..
Cerebrites	1	..	..	..	1	..
Ulcerated Throat	1	5	1	5	..	..
Gastric Ulcer .. ..	..	1	..	1	..	..
No apparent Disease	6	3	6	3	..	..
Total	251	268	232	260	9	8

In connection with the deaths from diphtheria, it should be mentioned that many of these patients arrived at the hospital in a practically dying condition, but a much 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, 1905.

Number of Patients.	M.	F.	Died.	
			M.	F.
Admitted 1905	2	0	0	0
Total treated during year ..	2	0	0	0

Of the patients admitted into the hospital both had been vaccinated in infancy and one had been re-vaccinated in 1900. The other had three good pock marks.

APPENDIX.

1—Vital Statistics of Whole District during 1905 and previous Ten years

2—Vital Statistics of Separate Localities in 1905 and previous years.

3—Causes of and Ages of Death during 1905.

4—Infantile Mortality during the year 1905.

TABLE I.—Deaths Registered in the County Borough of Birkenhead during the year ending December 31st, 1905, classified according to age.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the year ending December 31st, 1905.

TABLE III.—Weekly Condensed Register of Deaths for 1905.

TABLE IV.—Weekly Condensed Register of Meteorological Results for 1905.

TABLE V.—Street Register of Deaths—1905.

SUPPLEMENT TO TABLE V.—Return of Deaths in Birkenhead Union Hospital and Workhouse, registered in 1905.

Vital Statistics of Whole District during 1905 and previous Years.

Year	Population estimated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT				Total Deaths in Public Institutions in the District	Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	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					
1895	104412	3394	31.6	568	171.9	2116	20.2	255	19	..	2097	19.9
1896	105416	3477	32.9	629	180.9	2116	20.0	280	16	..	2100	19.7
1897	106329	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	158.4	1965	17.8	293	10	..	1955	17.7
1901	111202	3230	29.0	578	178.0	2061	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
1904	114514	3805	33.14	688	180.8	2282	19.8	163	27	24	2244	19.5
Averages for years 1895-1904	109461	3480	31.7	596	171.2	2073	18.8	270	19	..	2057	18.7
1905	116040	3707	31.94	481	129.	1833	15.79	135	22	31	1811	15.59

Vital Statistics of separate Localities in 1905 and previous ten years.

Year	BIRKENHEAD (whole Borough)				BIRKENHEAD SUB-REGISTRATION DISTRICT				TRANMERE				OXTON				CLAUGHTON				BERINGTON				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
1896	104412	3304	2116	568	59812	2127	1288	397	33508	972	525	147	4466	55	52	6	3685	76	41	9	2941	44	89	2	2941	30	152	7
1896	106416	3477	2116	624	60112	2232	1355	439	34165	1031	504	164	4476	71	41	5	3723	61	32	2	2940	38	25	4	2940	44	143	7
1897	106629	3517	2042	576	60519	2256	1256	408	34899	1053	524	154	4497	62	32	1	3768	75	31	5	2946	31	26	1	2946	40	159	7
1898	107756	3432	1980	641	60862	2154	1132	425	35616	1059	549	178	4516	64	49	6	3809	76	52	13	2953	38	17	3	2953	41	173	16
1899	108894	3451	2214	640	61198	2150	1285	428	36352	1091	589	186	4537	64	39	7	3850	58	41	7	2956	47	37	5	2956	41	211	7
1900	110042	3428	1965	543	61521	2105	1067	342	37108	1124	584	170	4559	45	43	4	3891	72	47	9	2963	41	25	6	2963	41	189	12
1901	111204	3220	2061	578	61832	1951	1177	379	37888	1071	565	178	4583	51	41	2	3930	89	32	6	2971	38	21	1	2971	30	217	12
1902	112102	3646	2021	554	61963	2204	1156	355	38584	1209	517	162	4595	57	44	5	3957	99	38	7	2973	29	18	8	2973	48	216	15
1903	113343	3516	1937	548	62732	2113	1090	342	39034	1173	535	178	4604	57	25	2	3998	91	43	10	2975	37	31	0	2975	45	213	16
1904	114814	3805	2282	688	63738	2284	1300	416	39417	1292	630	225	4629	51	28	10	4043	84	56	17	2977	40	32	4	2977	54	236	16
Aver- ages of years 1895 to 1904	109461	3480	2073	596	61307	2157	1210	393	36785	1107	552	174	4545	57	39	4	3865	78	41	8	2959	38	27	3	2959	41	190	11
1905	116040	3707	1833	481	64585	2185	1015	298	39455	1289	479	142	4791	48	40	5	4101	109	44	9	3108	40	35	4	3108	56	220	23

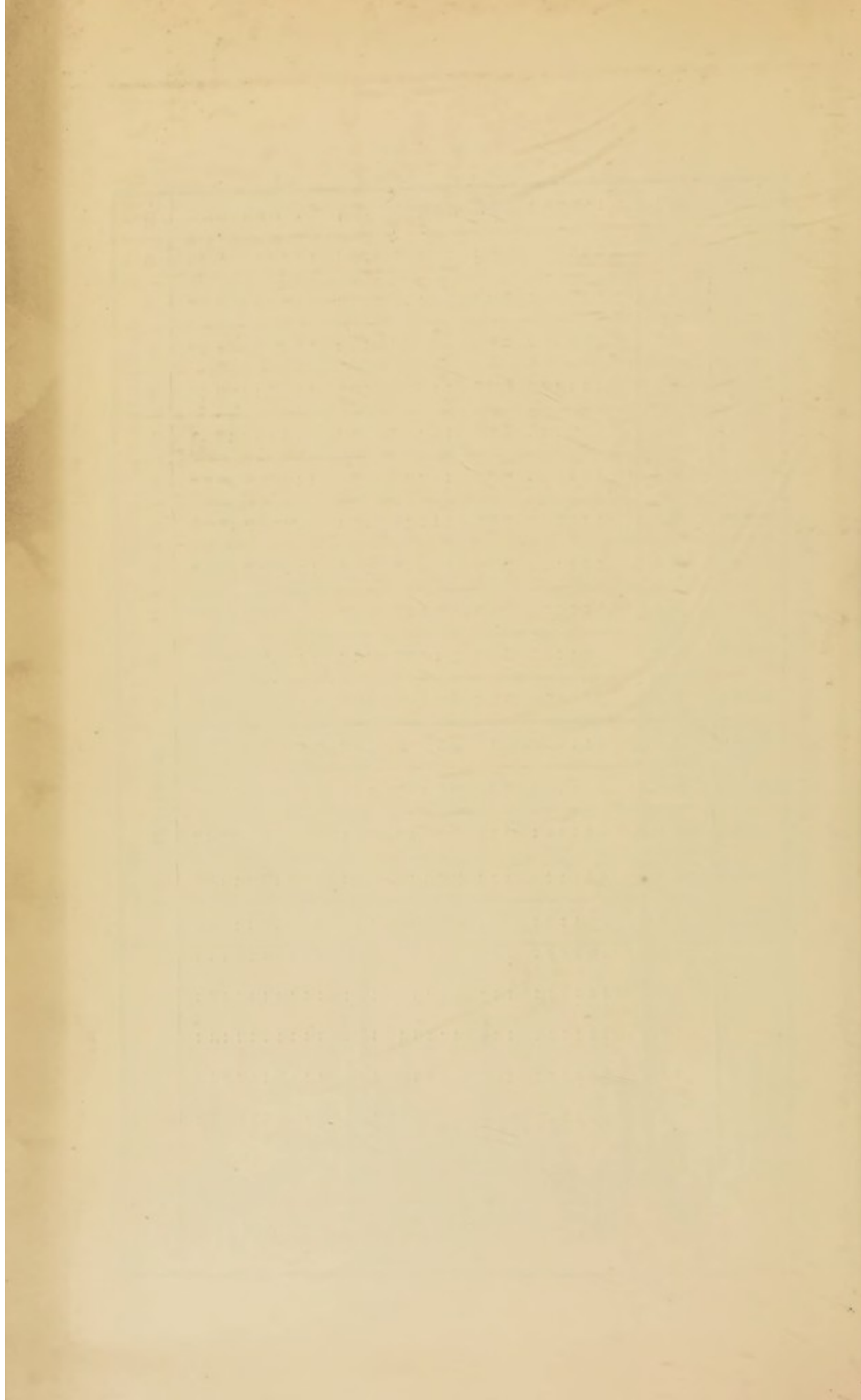


TABLE 1.—Deaths Registered in the Borough of Birkenhead during the Year ending December 31st, 1905.

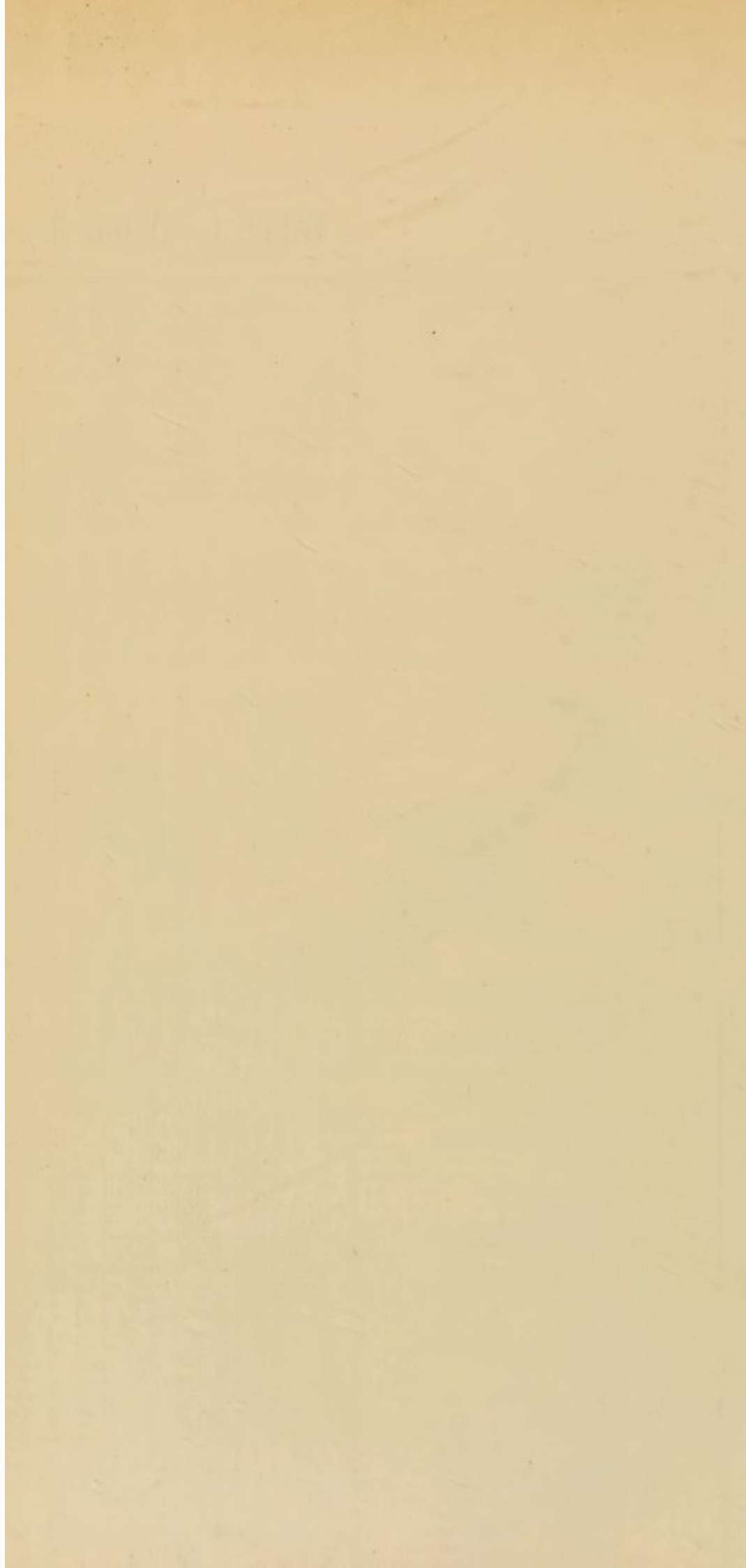
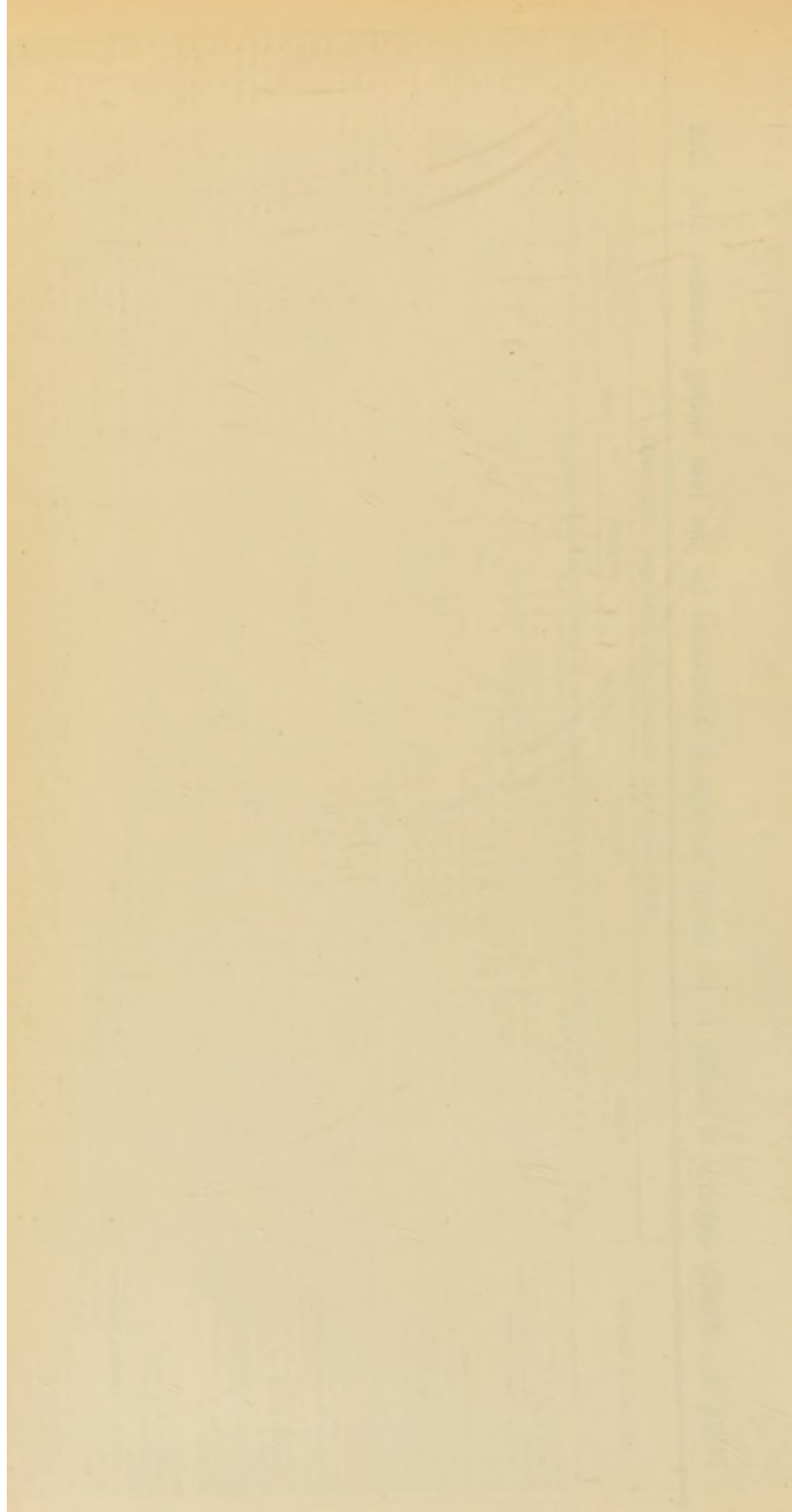


TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1905.

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



TRANMERE SUB-REGISTRATION DISTRICT.

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

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

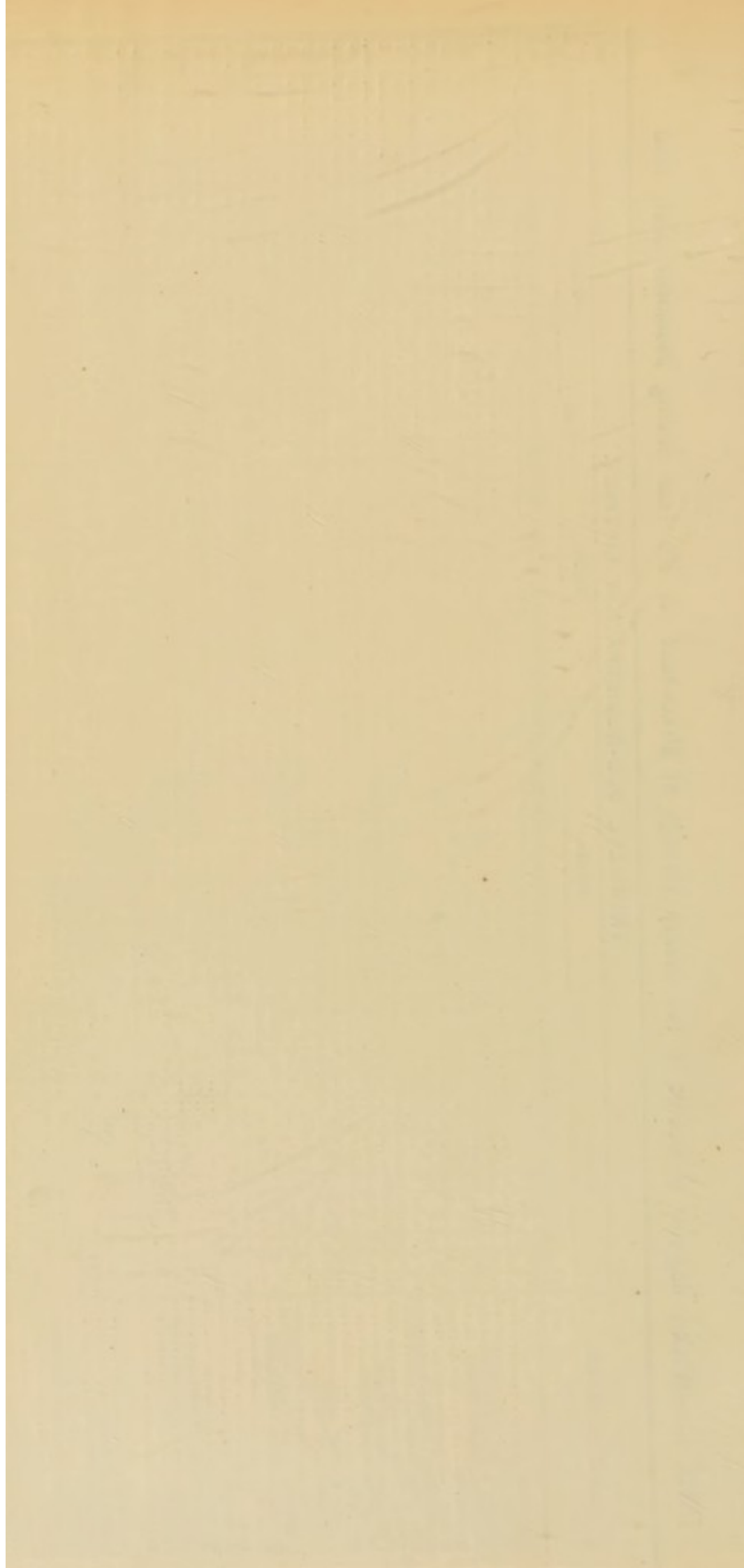
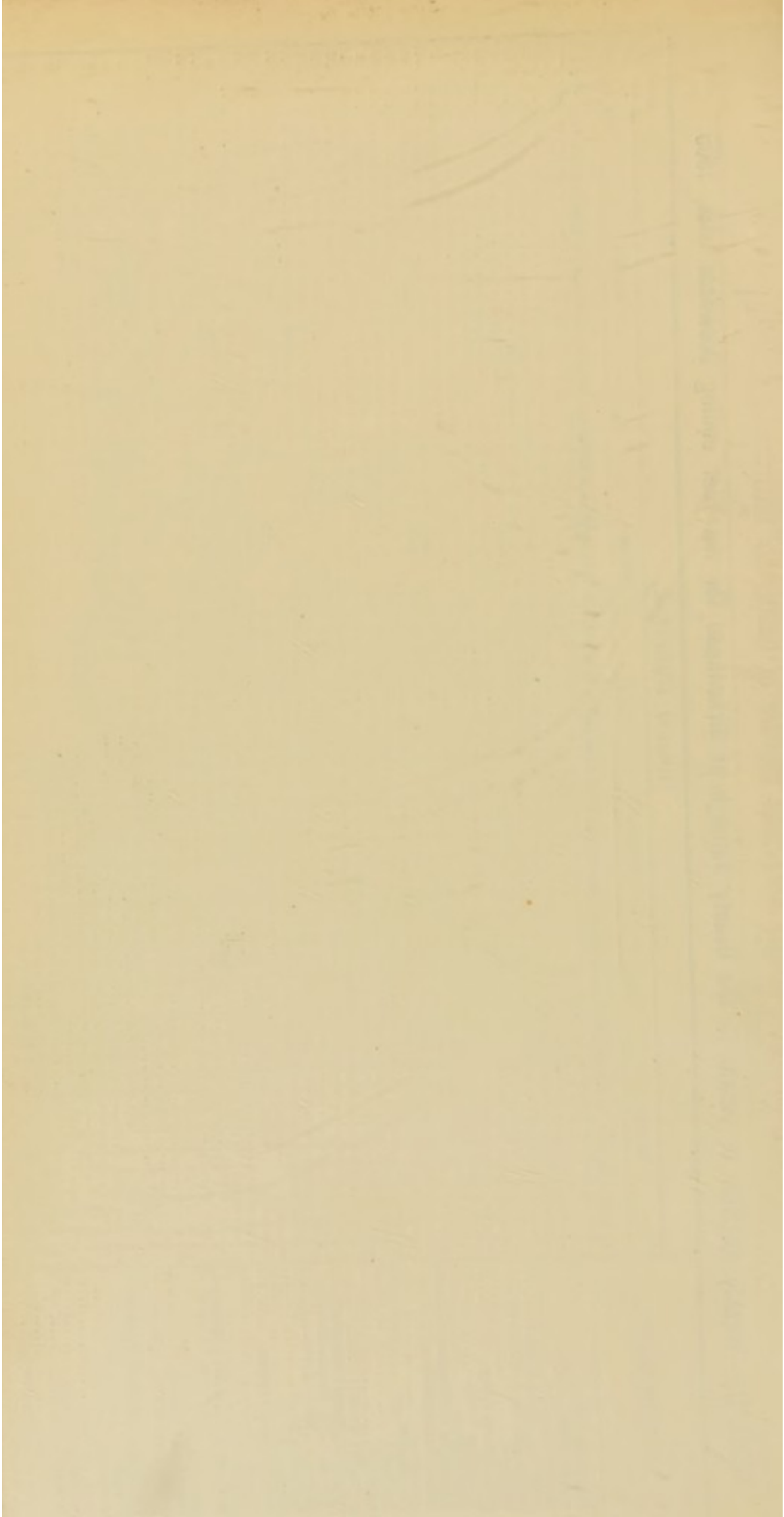


TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1905.

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



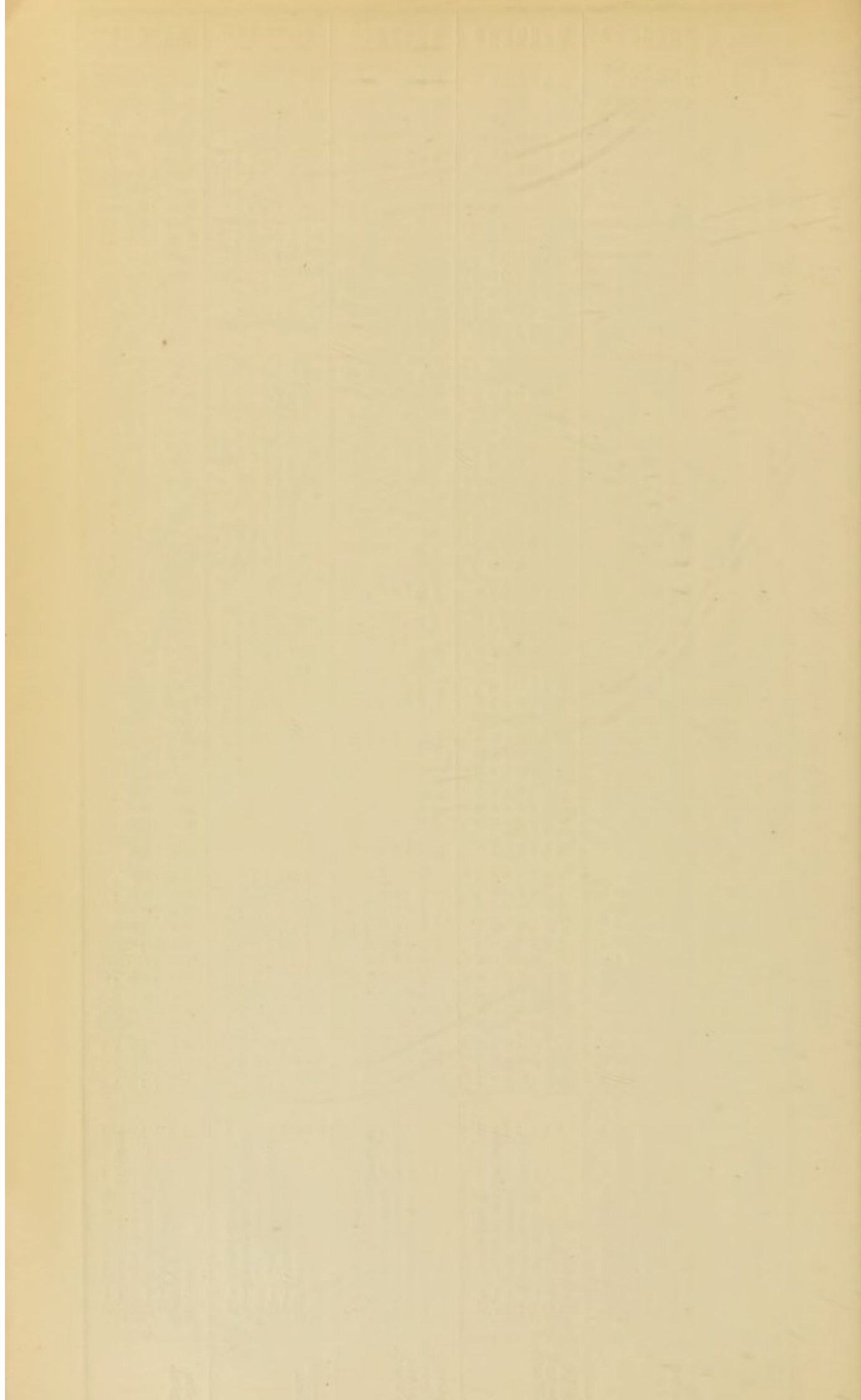


TABLE IV.—Weekly Condensed Register of Meteorological Results for 1905.

Meteorological Results.	WEEKS.													WEEKS.													WEEKS.													YEAR.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		40	41	42	43	44	45	46	47	48	49	50	51	52																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Percentage of time Wind blew from S., S.W., W., and N.W.	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81.54	81

The Meteorological Results are for the 52 weeks ending December 30th, 1905.
Mean reading of the Barometer for 30 years reduced to the Sea level, and to 32° Fahrenheit=29.919-in.

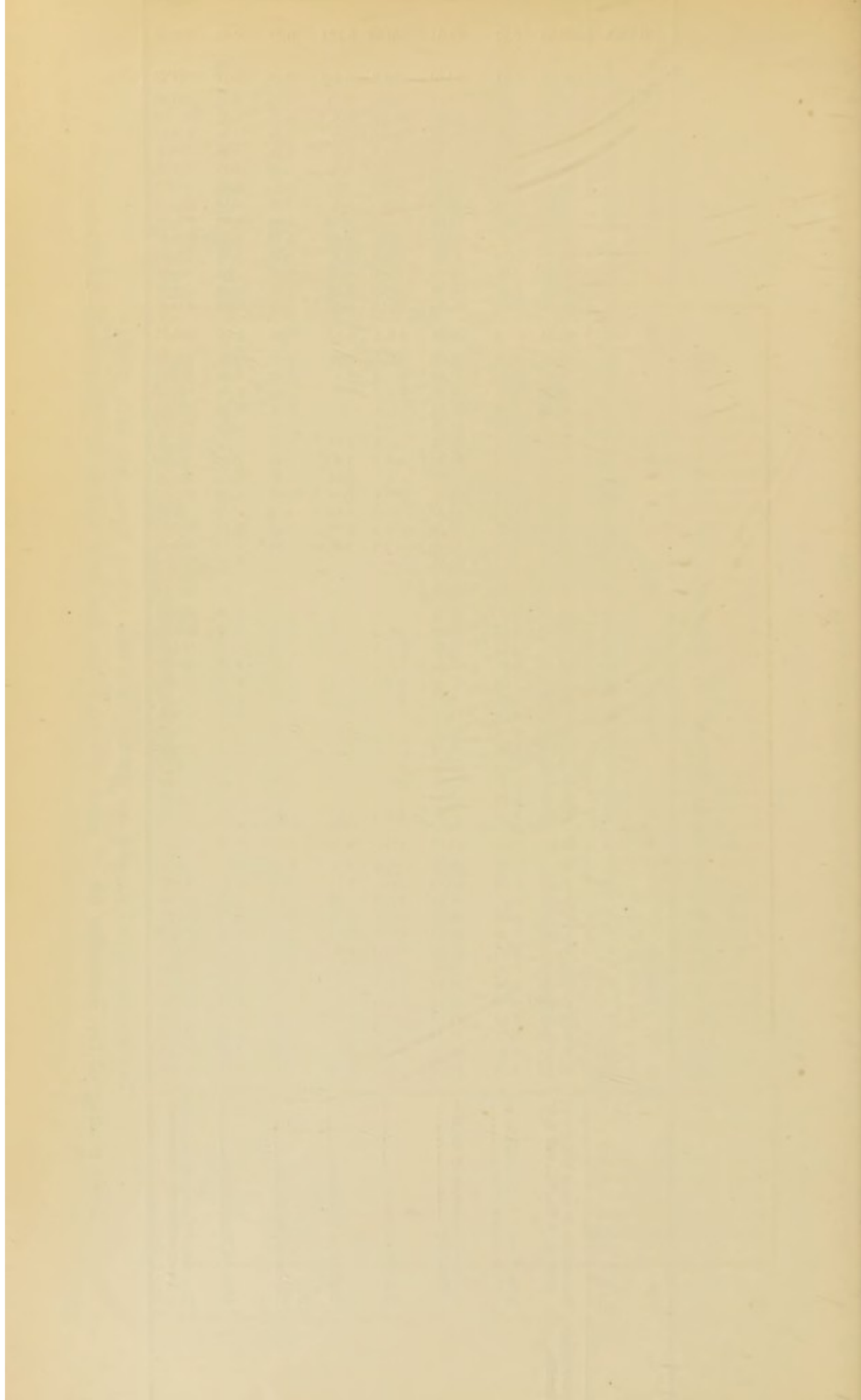


TABLE V.
STREET REGISTER OF DEATHS.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Abbey street	4	2	Back Myrtle street ..		
Abbey terrace			Back Oliver street ..	1	
Abbot street	6	2	Back Oxton road ..		
Aberdeen street ..	2		Back Portland street ..		
Ackworth place ..			Back Pilgrim street ..		
Acton Road			Back Price street ..	2	1
Adelaide road	1		Back St. Anne street ..	5	
Adelphi street	4		Balfour road	3	
Albert place	1		Balls road	1	1
Albert road			Balls road east	3	
Albert street			Banning street	3	
Albert terrace			Barnard road	1	
Albion street	2		Barnston street ..	2	
Albion terrace			Barton street	1	
Alexandra road ..	1		Baytree road	1	
Alexandra drive ..			Beaconsfield road ..	1	
Alfred road			Beaufort road		
Alison street	2	1	Bebington road ..	2	
Allcot avenue			Beckwith street ..	24	6
Allerton road	2		Bedford place	1	
Alma street			Bedford road	7	
Alpha Drive			Bedford street	1	
Alvanley place ..	1	1	Beech road	2	
Amery grove	1		Beech view (Sydney terr		
Anglesey terrace ..	1		Belgrave terrace ..		
Apple grove	1		Belmont grove	1	
Argyle street	4		Bennetts hill		
Argyle street south ..	9		Bentinck place	2	2
Arno road	1	1	Bentinck street ..	10	1
Arnside road	1		Bentinck terrace ..		
Arrow place	2		Beresford road	2	
Arthur street	6	1	Berner street	1	1
Ash road			Berry street	3	2
Ashburton road ..			Bertha street	2	
Ashford road			Bessborough road ..	1	
Ashley street	1	1	Bidston road	5	2
Ashville road			Birch road	1	
Aspendale road ..	1	1	Birkenhead park ..		
Aspinall street ..	2	1	Blackpool street ..	1	1
Athol street	1		Blandford street ..		
Athol terrace			Blucher street	3	
Austin street	2		Bold street	1	
Back Beckwith terrace ..			Booth street	1	
Back Camden street ..	2		Borough road	31	5
Back George street ..			Boundary road		
Back Havelock street ..			Brandon street		
Back Livingstone street					

TABLE V.—Continued.

STREETS.	Total from all Causes.	From Zymotic Diseases only	STREETS.	Total from all Causes.	From Zymotic Diseases only
Brassey street	1		Charlecombe street ..	2	
Brattan road			Charles street		
Bray street	2		Charlesville	1	
Briardale road	7	1	Chatham road	6	
Bridge street	6		Chatsworth road		
Bridge End terrace ..	5		Chesnut grove	1	
Bright street	3	1	Chester street	12	3
Brill street			Chetwynd road		
Brimstage street	1	1	Christchurch road ..	3	
Brook place	4		Church road	8	
Brook square			Church street	3	
Brook street	31	8	Church terrace	2	
Brookland road	2		Churchill avenue ..	1	
Broom Hill			Circular road	2	
Brougham street	6		Clare street	2	1
Brunswick street	2		Clarence road	1	
Buckingham avenue ..			Clarendon street ..	1	
Budworth road			Cloughton firs	3	
Bulwer street	1		Cloughton place		
Burton street			Cloughton road	12	
Buxton road	3		Clayton street		
Caerwys grove	1		Cleveland avenue ..		
Caldy place			Cleveland street ..	31	3
Cambridge place	2		Clifton crescent ..		
Camden street	4		Clifton road	2	
Campbell terrace			Club row	1	
Camperdown street ..			Clwyd street		
Canning street			Clyde street	1	
Cannon hill			Cobden place	1	1
Cardigan street	1		Cobden street	7	2
Carlisle street	3		Coburg street	2	
Carlton mount	1		Cole street	1	
Carlton road	1		Collingwood street ..	3	1
Carnforth street	1		Columbia road		
Carnforth terrace ..	3		Combermere terrace ..	2	
Caroline place	2		Comet street	2	
Carpenter's row			Connaught street ..	2	
Castle street	2	1	Connor's court		
Cathcart street	8	1	Conway place		
Catherine street	1		Conway street	3	
Cavendish drive			Cook street	1	
Cavendish road	1		Corfu street		
Cavendish street	1		Corporation road ..	3	1
Cearns road	2		Cottage street	1	
Cedar street			Coventry street	3	
Challis street			Craven place	4	
Chamberlain street ..	1	1	Craven street	9	1
Chapel place	1		Crofton road	1	1
Chapel square			Cross street		
Chapel street			Crown street	7	

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Croxteth street ..	1		Falcon road ..	1	
Cumberland place ..	1		Fairclough lane ..		
Cyprus street ..			Fairfax road ..	2	
Dacre street ..	3		Fairfield road ..	1	
Dale street ..			Fairview road ..		
Davies street ..	3	1	Farm road ..	2	
Dee street ..	2		Fearnley road ..	1	1
Dell road ..			Field street ..	9	3
Derby park ..			Flamank street ..	8	1
Derby road ..	2	1	Flaybrick hill ..		
Derby street ..	2		Flint street ..	1	1
Derwent road ..	1		Florence street ..	3	1
Devonshire road ..	2	1	Fore street ..		
Dial road ..			Forest road ..	1	
Dingle road ..	3		Fountain street ..	3	
Donegal street ..			Fox street ..	8	1
Douglas street ..			Francis avenue ..	1	
Dover street ..	4		Frederick street ..	5	
Downham road ..	4		Frodsham street ..	2	
Duke street ..	3		Garfield place ..	2	
Duncan street ..			Garner's place ..		
Dundonald street ..			Garnet street ..	1	1
Eagle court ..	1		George street ..	3	
Earl street ..	5	1	German ter. (Price st.)	2	
Eastbourne road ..			Gertrude street ..		
Eastham street ..	1		Getley street ..	1	1
Eaton road ..			Gladstone road ..	3	
Ebenezer street ..	3	2	Gladstone street ..	1	
Edgar street ..	2	1	Glasgow street ..	1	
Egerton park ..	2		Glover street ..	2	
Egerton road ..			Gomer street ..	2	
Egerton street ..	1		Gordon street ..		
Eldon place ..	7		Gore street ..	1	
Eldon street ..	2		Gothic street ..		
Elgin street ..	2		Grace street ..	2	1
Elizabeth place ..			Grace terrace ..		
Elm grove ..	4		Grafton street ..		
Elm road ..			Grange mount ..	3	
Elm street ..	1		Grange place ..	1	
Elmswood road ..	4	1	Grange road ..	8	
Enfield terrace ..			Grange road west ..	2	2
Erskine street ..			Grange street ..	3	
Esplanade south ..			Green lane ..	2	1
Etna street ..			Green lawn ..	1	
Eton place ..			Greenbank road ..	1	
Euston grove ..	2		Greenfield street ..	3	
Evan's court ..			Greenway road ..	4	
Evan's place ..			Grenville road ..	2	
Exmouth street ..	9	1	Grosvenor place ..		

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Grosvenor road.. ..	2		Holt road	5	
Grosvenor street	1		Holt terrace		
Grosvenor terrace			Hope street	7	2
Grove mount			Hope terrace	1	
Grove road	4		Horatio street	2	1
Haddon road	1	1	Houldin's place		
Halcyon road	1		Howard street	1	
Halkin street	1		Howbeck road	1	
Hamilton lane	1	1	Howe street	2	1
Hamilton square	3		Howson street	1	
Hamilton street	3		Hoylake road	1	
Hamilton view	1		Hughes' buildings	1	
Hampden grove			Huskisson street	1	1
Hampden road	1		Ingestre road		
Hampton street			Ivy court		
Harcourt street.. ..	3		Ivy street	4	1
Harland road	1		Ivydale road	3	
Harriet street	1		Jackson street	2	
Harrowby road	8	1	James street	1	
Harrowby road west	1		Jessamine road	2	
Havelock street.. ..			Keightley street	7	
Hawarden avenue			Kellett's place		
Hawthorne road			Kelvin road		
Hazel road	1		Kendal street		
Heath bank road	2		Kent place	4	1
Heather brow			Kent street		
Heathfield road			King street	9	
Heath terrace			King's mount	3	
(Bennett's hill)			Kingsland road.. ..	2	
Helmingham road	1		Kingsmead road north.. ..		
Hemingford street			Kingsmead road south		
Hemingford terrace			Kingston terrace		
Henry street	10	1	Kipling avenue	1	
Henthorne street	1		Kimmel street		
Herbert place	1		Kirkland avenue		
Highfield crescent	2		Knowsley road	2	
Highfield grove			Laird street	5	1
Highfield grove south	2		Lansdowne road	1	
Highfield road	4	2	Larch road	5	
Highfield south.. ..			Laurel road	1	
Hill street	1		Laxey terrace		
Hilton street	2	1	Lea street	1	1
Hind street	2	1	Leicester street	9	1
Hindertown road.. ..	3		Leicester terrace		
Hinson street	2		Leighton road	1	
Holborn hill	1		Leinster street	1	
Holly bank road			Leta street	2	
Holme lane	1		Lever terrace		
Holt hill.. ..			Lilly street	3	
Holt hill terrace			Lingdale road		

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Lingdale road north ..			Milner street ..		
Liversidge road ..	1		Milton road ..		
Livingstone road ..	3	2	Milton street ..		
Livingstone street ..	10	1	Mollington street ..	1	
Lord street ..	5		Mona street ..		
Lorne road ..	1	1	Monk street ..		
Lorn street ..	1		Moon street ..	3	1
Lowe street ..			Moorland road ..	3	1
Lower Ivy street ..	1		Moreton street ..		
Lower George street ..			Morecroft road ..	2	
Lowther street ..	3		Mornington street ..	4	2
Lowwood grove ..			Morpeth buildings ..	9	2
Lowwood road ..	1		Mossley road ..	1	
Lunar street ..	1		Moss grove ..	1	
Lydia terrace ..			Mounsey road ..	1	
Maddock street ..	1		Mount grove ..	1	
Maple street ..	2		Mount Pleasant ..	1	
Malta street ..	1		Mount road ..	1	
Manor hill ..			Mulberry road ..	1	
Manor road ..			Munster street ..	3	1
Marcus street ..			Myrtle court ..	1	
Marion grove ..	4	1	Myrtle place ..		
Marion street ..	2		Myrtle street ..	3	
Market ..	1	3	Morley avenue ..	2	1
Market street ..	16		Nelson place ..	1	
Marlborough grove ..	2		Nelson road ..	2	
Marquis street ..			Nelson street ..	1	
Marsden villas ..			Neptune street ..	4	
Marshall place ..			Neston street ..		
Mason's court ..			Newburn's lane ..	4	
Mason street ..	1		New Chester road ..	14	
Mather road ..			Newling street ..	2	1
Maybank road ..	4		Newton street ..		
Meadow lane ..	5	1	North road ..	1	
Meadow place ..			Oak street ..	4	
Meadow street ..			Oakfield view ..	2	1
Medway road ..			Oak tree cottages ..	1	
Mellor road ..	1		Oak tree place ..	2	
Menai street ..	1		Old Bidston road ..	4	
Mersey lane south ..	1		Old Chester road ..	16	1
Mersey road ..			" " Rock Ferry ..		
Mersey street ..			Old Priory ..	2	
Merton place ..	1		Olive crescent ..	1	
Meteor street ..	2	2	Olive mount ..	2	
Methuen street ..			Oliver place ..	1	1
Midland street ..	8		Oliver street ..	26	2
Mill street ..	6		Orchard road ..	1	1
Miller's place ..			Orderly avenue ..		
Millbank cottages ..	1		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 street ..	..	..
Orderly residence ..	..	..	Queen's buildings(Ato K) ..	21	1
Oriel road ..	1	..	Queen's Buildings (Tran)	..	..
Osborne road ..	..	..	Queen's place ..	3	..
Oxton road ..	3	..	Queen's street ..	2	..
Osmund street ..	1	..	Queensbury street ..	2	..
Palm hill ..	1	..	Quigley street ..	..	..
Palmerston street ..	..	..	Radnor place ..	..	..
Parkfield avenue ..	21	1	Raffles road ..	7	2
Parkfield place ..	2	..	Railway road ..	1	..
Parkside road ..	1	..	Randle street ..	3	..
Park grove ..	..	..	Ravenscroft road ..	2	1
Park road ..	1	..	Ravenswood avenue ..	..	..
Park road east ..	4	1	Rawcliffe road ..	1	..
Park road north ..	8	1	Redmond street ..	1	..
Park road south ..	6	1	Reedville ..	1	..
Park road west..	4	..	Rhoden's place ..	..	..
Park street ..	9	..	Rhyl street ..	3	1
Parr's lane ..	..	..	Richmond cottages ..	3	1
Paterson street..	1	..	Ridley street ..	2	1
Patten street ..	4	1	Rimmer's court..	1	..
Payson street ..	11	4	Ripon street ..	1	..
Pearson road ..	1	..	Roberts street ..	2	1
Peel street ..	10	2	Rochester road ..	..	..
Pensby street ..	..	..	Rock lane east ..	1	..
Penrith street ..	..	..	Rock lane west ..	3	..
Percy place ..	..	..	Rock park ..	1	..
Pilgrim street ..	2	..	Rockville street..	3	..
Pitt street ..	6	..	Rocky bank road ..	..	..
Planet street ..	3	..	Rodney street ..	9	2
Pleasant street ..	2	..	Roe street ..	..	..
Plymouth place..	..	..	Romilly street ..	..	..
Pool street ..	1	..	Rose cottages ..	..	..
Poplar grove ..	..	..	Rose mount ..	1	..
Powell street ..	1	..	Rose street ..	3	1
Prenton road east ..	3	..	Roseberry grove ..	3	..
Prenton road west ..	1	..	Rosedale road ..	2	..
Price's lane ..	..	..	Roslyn street ..	3	..
Price street ..	28	5	Ross terrace ..	..	..
Prince Edward street ..	1	..	Rowland street ..	4	2
Princes place ..	..	..	Roxburgh avenue ..	1	..
Princes street ..	1	..	Ruskin avenue ..	1	..
Princess ter., Balls rd.	..	..	Russell place ..	4	1
Princes ter., Grange rd.	1	..	Russell road ..	2	1
Priory court ..	1	1	Russell street ..	1	..
Priory street ..	2	..	St. Anne's grove ..	..	..
Pym street ..	2	1	St. Anne's street..	37	3
Quarry bank ..	..	..	St. Anne's terrace ..	2	..
Quarry bank place ..	3	3	St. George's avenue ..	1	..

TABLE V.—Continued.

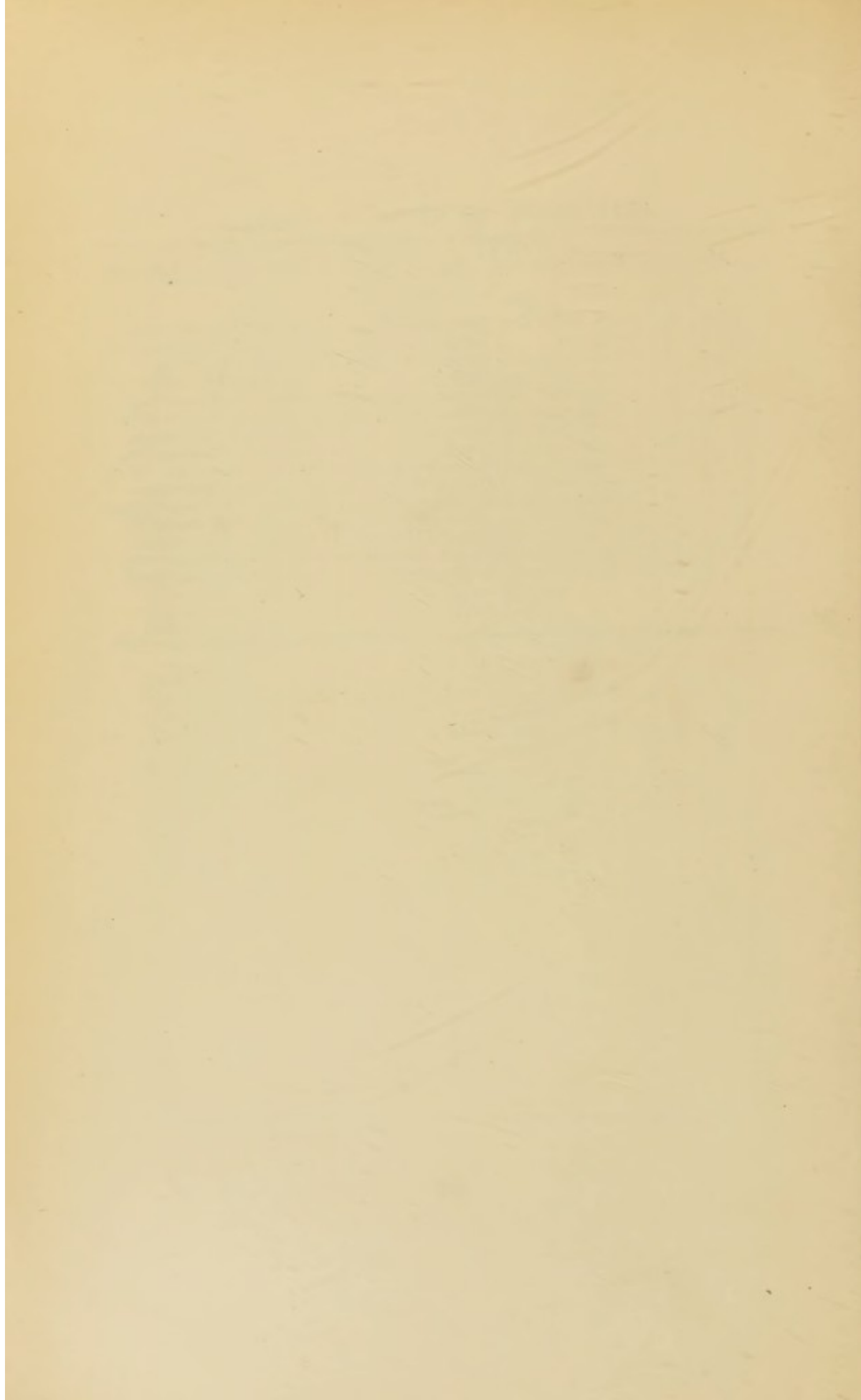
STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
St. John street ..	..	..	Stewart's place..	..	..
St. Mary's street ..	..	..	Stewart street ..	..	..
St. Mary's avenue ..	1	..	Stoke street ..	5	1
St. Mary's gate..	4	..	Storeton road ..	1	..
St. Paul's place..	..	..	Stuart road ..	..	..
St. Paul's road ..	6	1	Sun street ..	7	1
St. Peter's road ..	..	..	Sussex street ..	1	1
Salem view (Storeton rd.)	..	..	Swan's court ..	..	..
Salisbury street..	6	3	Swan's place ..	1	1
Samuel street ..	..	..	Sycamore road ..	3	..
Sandford street ..	1	..	Talbot road ..	1	..
Saxon street ..	..	..	Tatton road ..	..	..
School place ..	2	1	Taylor's buildings	1	..
Scott's court ..	..	..	Taylor street ..	4	1
Sea bank cottages ..	2	..	Temple road ..	1	..
Sea bank road ..	..	..	Tennyson Avenue	1	..
Seaton road ..	1	..	Thomas court ..	2	..
Sefton road ..	..	..	Thomas street ..	9	2
Seymour street..	2	..	Thompson street	..	..
Shakespeare avenue	2	..	Tollemache road	1	..
Shaw street ..	6	1	Tory place ..	..	..
Shore road ..	2	..	Tower hill ..	1	1
Shotwick street..	..	..	Tower road ..	2	..
Shrewsbury road ..	9	1	Town road ..	1	..
Shrewsbury road north	2	1	Trinity street ..	2	..
Sidney buildings ..	..	..	Tudor road ..	2	..
Sidney road ..	4	1	Tunnel road ..	2	..
Sidney street ..	1	..	Turner street ..	..	..
Sidney terrace ..	..	..	Union street ..	3	..
Silverdale road ..	1	..	Upper Beckwith street..	..	..
Simpson street ..	2	1	Upper Brassey street ..	..	..
Slatey road ..	1	..	Upton road ..	3	..
Somerville street	3	..	Vernon place ..	..	..
South bank ..	..	..	Vicar's court ..	2	1
South hill road ..	1	..	Victoria drive ..	..	..
South Reserve ..	..	..	Victoria mount..	1	..
South road ..	2	..	Victoria road ..	12	..
Southwick road ..	..	..	Village road ..	1	..
Spring street ..	..	..	Village terrace ..	..	..
Spring villas ..	..	..	Vincent street ..	3	1
Stafford street ..	2	..	Vine street ..	9	2
Standard place (St. Paul's road)	..	..	Vittoria street ..	1	..
Stanley court ..	3	2	Vulcan street ..	2	2
Stanley place ..	..	..	Walker place ..	1	..
Stanley road ..	1	..	Walker street ..	2	..
Stanley street ..	2	..	Walton street ..	1	..
Stanway place ..	1	1	Warrington street	..	..
Station road ..	1	..	Warwick street ..	8	1

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Water street	2	1	William street	4	
Waterloo court			William's cottages	1	1
Waterloo place	3	1	Willmer road	2	
Watson street	9		Willow bank road	2	
Waverley grove	1		Willow street		
Well lane	3		Willy street	1	
Wellesley street	3	1	Wilson street	1	
Wellington road	1		Wilton road		
Wellington terrace			Wilton street	2	
Wesley street	1		Windsor place		
Wesley terrace			Windsor street	5	
West view	1		Wirral street	1	
West bank road	1		Woburn place		
Westbourne road	5	1	Wood street	9	1
Westbury street	1		Woodchurch lane	1	
Westminster road	2		Woodchurch road	5	
Wexford road	2		Woodland avenue	2	1
Whalley road			Woodlands grove		
Whetstone lane	4	1	Woodlands road		
Whetstone view			Woodland terrace	1	
White street	6	1	Woodlands	5	1
Whitfield place			Woodville road	7	2
Whitfield street	6		Wordsworth avenue		
Whitford road	5		Wycherley road	3	
Wilbraham street			Wycliffe street	1	
Wilbraham terrace			Wye street	1	
Wilkinson street	6		Yelverton road	2	
Wilk's court			York place		
Willan street			Zetland road	1	
Willaston place	1				

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
12	F	34	Gen labour's wife	Tertiary syphilis ..	21-11-05	5 Lr Ivy street
13	M	72	Waterman ..	Chronic nephritis ..	29-11-05	14 Cathcart street
15	M	57	General labourer	Carcin of stomach	13-7-05	2 Ivy street
18	M	76	Joiner ..	Senility ..	7-3-05	202 Beckwith st
16	M	39	Cab driver ..	Pulmon tuberculosis	9-11-05	33 Grange road
18	M	61	Dock labourer ..	Pulmon tuberculosis	7-10-05	98 Church street
20	M	2m	Dec dom serv son	Prematurity ..	3-10-05	56 Church road
22	F	72	Joiner's wife ..	Ovarian cyst ..	21-12-05	7 Thomas street
21	M	50	Gardener ..	Pulmon tuberculosis	18-8-05	ChurchArmy Hom
22	M	38	Freight checker	Pulmon tuberculosis	13-11-05	1 Milton street
23	M	64	Bootmaker ..	Chronic nephritis ..	20-12-05	136 Market street
26	M	66	Dock labourer ..	Aterio sclerosis ..	14-8-05	30 Bertha street
26	M	70	Coal heaver ..	Disease of heart ..	19-8-05	8 Payson street
24	F	19	Dec plaster's daug	Pulmon tuberculosis	12-12-05	18 Bentinck street
28	M	56	Clothier's assistan	Lobar pneumonia ..	28-12-05	92 Bridge street



SUPPLEMENT TO TABLE V.

RETURN OF DEATHS in Birkenhead Union Hospital and Workhouse during 1905.

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
Jan. 7	M	16	Blacksmith's son	Pulmon tuberculosis	5-9-04 96 Vittoria street
7	M	63	Tanyard labourer	Morbus cordis ..	31-12-04 8 Quigley street
11	M	9	Dec. barman's son	Acute osteo-myelitis	7-1-05 76 Bridge street
14	M	68	Joiner	General paralysis ..	6-12-04 106 Price street
18	F	27d	Dom servant's dau	Bronchitis ..	12-12-04 Workhouse
21	F	56	Gen labour's wife	Softening of brain ..	15-6-04 4 Brassey street
23	F	42	" " "	Phthisis ..	18-1-05 14 Stanley court
22	F	74	" " wid	Senility ..	9-12-04 11 St Mary's gate
22	F	79	Gardener's widow	Senility ..	25-2-92 Carnforth terrace
30	F	28	Gen labour's wife	Phthisis pulmonalis	12-12-04 17 Green lane
26	F	9m	Laundress' daught	Varicella exhaustion	18-4-04 Workhouse
28	M	19m	Dec seaman's son	Broncho-pneumonia	3-2-04 3 Hamilton lane
Feb. 4	M	64	Marble mason ..	Carcinoma of liver	20-1-05 58 Green lane
2	F	45	Holder-up's widow	Disease of omentum	6-12-04 9 J Queen's build
6	F	76	Gen labour's wido	Bright's disease ..	29-12-99 21 Greenway road
8	M	13	" " son	Phthisis ..	21-1-05 60 Bk St Anne st
12	M	61	Army pensioner ..	Phthisis ..	29-5-03 36 Mornington st
14	M	67	For'ly rly coa trim	Diseased heart, liver	25-1-05 65 Oliver street
18	M	38	General labourer	Cirrhosis of liver ..	1-11-04 28 Moon street
19	M	46	Dock labourer ..	Phthisis ..	18-10-04 44 Frederick st
18	F	86	Coppersmith's wid	Senility ..	27-4-99 60 Peel street
19	M	20	General labourer	Phthisis ..	13-11-04 Tramp sheds
21	M	57	Cooper ..	Phthisis ..	27-3-03 Tramp sheds
25	M	71	Carter ..	Influenza, pneumon	5-2-02 75 Market street
25	F	76	Ship fireman's wid	Senility, cardiac syn	3-1-05 10 Kellett's place
22	F	68	" " "	Cardiac syncope ..	29-3-95 85 Grange road
26	M	30	French polisher ..	Pneumonia ..	24-2-05 92 Bridge street
26	F	93	Woodcutter's wido	Influenza and segue	29-6-98 26 Fox street
28	F	85	Dec cab mak's dau	Senility ..	9-8-04 66 North road
26	F	2	Laundress' daught	Scarlatina ..	6-2-04 Workhouse
Mar. 3	M	14	D. mus hall art son	Meningitis ..	3-3-05 Train ship Indefat
3	F	55	Gen labour's wido	Bronchitis ..	23-1-05 8 Wilson street
9	M	82	Shipwright ..	Senility ..	26-5-99 Holt hill
11	M	54	General labourer	Phthisis ..	15-2-04 193 Oliver street
13	M	63	Stonemason ..	Cere hæmorrhage ..	29-10-00 240 St Anne st
9	F	82	Baker's widow ..	Senility ..	20-9-00 6 Salisbury street
13	M	68	Carter ..	Premature senility	28-6-02 273 Brook street
17	F	56	Rly watch's wife	Sarcoma upper jaw	11-2-05 23 Leta street
17	M	52	Carter ..	Phthisis ..	9-8-04 Birkenhead
21	M	65	General labourer	Carcino of pancreas	16-3-05 125 Harrowby rd
24	F	73	Shoemaker's wido	Morbus cordis	4-2-05 67 Holt road
23	F	10m	Dec ——— daugh	General tuberculosis	12-12-04 17 Green lane
23	F	53	Gardener's widow	Ovarian cyst ..	3-7-02 Birkenhead
26	F	75	Dock labour's wid	Pneumonia ..	14-6-04 16 Derby street
25	M	60	Tailor ..	Phthisis ..	31-10-04 8 Oak tree terrace
26	F	43	Dec gen lab's dau	Diabetes ..	24-3-05 8 Walton street
26	F	45	Joiner's wife ..	Carcinoma of uterus	22-3-04 15 Bridge street
27	M	67	Form'ly boilermak	Apoplexy ..	8-11-98 Birkenhead
30	F	60	Dock labour's wid	Heart failure ..	27-3-05 199 Market street

SUPPLEMENT TO TABLE V—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
April 1	M	57	General labourer	Pulmon tuberculosis	21-2-05 19 Chapel street
1	M	70	" "	Bronchitis ..	31-3-05 15 Grange street
5	M	30	No occupation ..	Phthisis ..	10-9-90 Birkenhead
7	M	75	Blacksmith s strik	Bronchitis ..	13-3-04 sisters of the poor
8	M	57	General labourer	Ulcerat of stomach	21-3-05 75 Market street
12	F	5d	Dom servt's daugh	Inanition from birth	7-4-05 Workhouse
10	F	29	Dec shiprig's daug	Morbus cordis ..	7-3-05 274 Beckwith st
12	F	81	Sailmaker's widow	Bronchitis ..	24-11-97 9 St Paul's road
14	M	59	Dock labourer ..	Paralysis ..	7-11-02 66 St Anne street
16	M	23	Estate agt's clerk	Pneumonia ..	13-4-05 39 Craven street
16	F	29	Gen labour's wido	Pneumonia ..	13-4-05 7 Cumberland plee
17	M	60	Stonemason ..	Cardiac disease ..	31-5-04 92 Bridge street
14	M	23m	D. chip & caulk son	Pneumonia, m'gitis	13-12-04 1 Elgin street
19	M	58	Ship canal pilot..	Paralysis, phthisis	18-3-05 21 Buxton road
22	M	76	Gas meter maker	Cerebral softening	1-4-05 7 Stafford street
20	M	22h	Dom servant's son	Premature birth ..	20-4-05 Workhouse
22	M	2d	" "	Premature birth ..	20-4-05 "
19	M	78	General labourer	Influenza, bronchitis	9-9-01 24 Oak street
27	F	56	Coachman's widow	Uterine tumour ..	18-4-05 14 Barton street
27	M	72	House painter ..	Cystitis ..	7-9-04 37 Queensbury st
28	F	63	Needlewoman ..	Paralysis ..	10-4-05 13 Oliver street
28	F	82	Carpenter's widow	Senile decay ..	18-4-05 1 Ripon street
30	F	58	Dec brid keep dau	Epilepsy, phthisis..	4-6-91 203 Market st
May 1	M	76	Wood sawyer ..	Dementia ..	12-1-05 15 Milton road
2	M	51	Stonemason ..	Dementia, bronchitis	26-4-05 95 Old Bidston rd
4	F	20	Agricul lab daugh	Chronic nephritis ..	14-11-04 11 Bidston road
4	F	30h	D. dom serv daugh	Asphyxia neonator	3-5-05 Union Workhouse
6	M	36	Bricklayer's lab ..	Pneumonia ..	2-5-05 97 Brougham st
7	M	24	Dock labourer ..	Tuberculosis of lungs	25-11-04 25 Eldon place
7	F	83	D. slate quar's dau	Senility ..	16-1-05 32 Derby road
12	M	61	Licens victualler	Disease of heart ..	16-10-00 Bedford road
14	M	81	General labourer	Chronic bronchitis	10-11-00 44 Brassey street
15	M	69	Night watchman	Pneumonia, syncope	28-8-03 75 Market street
17	M	48	Tailor ..	Phthisis, syncope ..	9-5-05 14 Dale street
21	M	49	General labourer	Locomotor ataxy ..	14-3-04 214 Chester street
27	F	36	General lab's wife	Carcinoma of uterus	25-2-05 15 Brook street
28	M	42	Butcher ..	Tertiary syphilis ..	24-2-05 33 Thomas street
31	M	68	House painter ..	Broncho-pneumonia	16-5-05 49 Old Bidston rd
25	F	76	Greengrocer's wid	Senile decay ..	13-5-04 87 Briardale road
June 4	M	42	House painter ..	Nephritis ..	2-6-05 22 Thomas street
5	M	52	Iron refiner ..	Cirrhosis of liver ..	26-5-05 Birkenhead
11	F	64	Joiner's widow ..	Carcinoma of uterus	20-4-05 109 Peel street
10	F	21d	Dom servt's daug	Prematurity ..	20-5-05 56 Church road
12	M	31	General labourer	Pulmon tuberculosis	10-2-05 98 Church street
13	M	51	Ship's fireman ..	Muscular Atrophy	25-5-05 9 Market street
19	M	63	Whitesmith ..	Carcin of pancreas	8-9-92 2 Union street
21	M	64	General labourer	Pulmon tuberculosis	3-6-05 2 Waterloo place
22	M	39	" "	Pulmon tuberculosis	6-10-04 14 Powell street
25	F	43	Gen labour's wife	Acute nephritis ..	21-6-05 22 Earl street
26	F	25	Dec shipwri's dau	Enteric fever ..	3-12-04 Birkenhead
28	M	47	General labourer	Pulmon tuberculosis	25-7-04 4 Leicester terr
30	M	33	Licens victualler	Pulmon tuberculosis	17-3-05 22 Eldon street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age.	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
July 1	M	60	Engine fitter ..	Lobar pneumonia ..	28-6-05 24 Baytree road
1	F	65	General lab wife	Disease of heart ..	10-6-05 14 Maddox street
6	F	74	Dock labour wife	Cere hæmorrhage ..	20-7-03 37 St Anne street
8	F	62	Booksellers widow	Dilatation of heart	3-7-05 70 Chatham road
8	M	33	General labourer	Enteric fever ..	3-7-05 31 D Queen's build
9	F	77	Joiner's widow ..	Disease of heart ..	10-3-04 6 Leighton road
12	M	31	General labourer	Enteric fever ..	3-7-05 2 Standard place
13	M	49	" "	Cere hæmorrhage ..	29-3-05 9 Vicar's court
10	M	57	Dock labourer ..	Sarcoma upper jaw	14-12-04 92 Church street
12	F	2m	Dec gen lab daugh	Broncho-pneumonia	14-4-05 Union Infirmary
17	M	80	Railway guard ..	Senility ..	13-7-05 84 Borough road
17	F	1m	Dom ser daughter	Prematurity ..	20-5-05 56 Church road
23	F	21	Bricklay daughter	Otitis media ..	10-7-05 6 Albert place
31	M	75	Joiner ..	Chronic nephritis ..	8-5-05 120 Oxtan road
Aug. 3	M	76	General labourer	Disease of heart ..	20-3-05 44 Brook street
7	M	75	Engine fitter ..	Chronic prostatitis	31-7-05 5 Brook place
8	F	76	Shipwright's wife	Arterio sclerosis ..	18-12-03 27 Vine street
5	M	43	General labourer	Basal meningitis ..	3-8-05 1 Wilkinson street
6	F	70	Marine fire widow	Chronic cystitis ..	4-1-98 5 Campbell terr
11	M	33	Dock labourer ..	Pulmon tuberculosis	13-5-05 77 St Anne st
12	M	81	Shoemaker ..	Carcinoma of throat	23-6-04 56 Meadow lane
12	M	59	General labourer	Pulmon tuberculosis	22-7-05 42 George street
15	F	35	Brick labour wife	Pernicious anæmia	4-8-05 63 St Anne st
16	F	75	Gen labour widow	Senility ..	28-7-05 40 White street
17	M	46	Shipwright ..	Pulmon tuberculosis	3-7-05 4 Pym street
17	M	66	Street musician..	Carbuncle ..	9-7-05 38 Flamank st
20	M	70	Boilermaker ..	Old age ..	30-3-05 48 Oak street
25	F	53	Gen labourer wife	Peritonitis ..	18-8-05 47 Henry street
26	F	72	Dock labou widow	Heart disease ..	30-4-04 14 Pensby street
29	F	78	Boilermak widow	Cardiac disease ..	13-11-94 23 Hind street
Sept. 1	M	6m	— son ..	Tabes mesenterica	18-7-05 68 Price street
2	M	49	Rail wagon builder	Epilepsy ..	19-5-05 20 Wycliffe street
3	F	70	Watermans widow	Broncho-pneumonia	5-5-04 Arno road
5	M	82	Boilermaker ..	Senility ..	19-4-04 Birkenhead
10	M	61	General labourer	Hernia ..	5-8-05 1 Fore street
10	M	71	Chimney sweeper	Carcinoma of liver	25-12-02 12 Wilkinson st
13	M	59	Carter ..	Broncho-pneumonia	12-9-05 130 Brook street
13	F	50	Sailmakers widow	Cardiac disease ..	23-2-05 158 Price street
18	F	66	Shipwright widow	Cardiac disease ..	9-6-05 14 Malta street
17	M	44	General labourer	Pulmon tuberculosis	21-7-04 10 Waterloo place
18	M	65	Brassfinisher ..	Cardiac disease ..	5-1-05 7 Tower road
19	M	53	Commission agent	Cardiac disease ..	28-5-02 75 Market street
19	M	69	Shoemaker ..	Bronchiectasis ..	12-9-05 210 Chester st
21	M	72	General labourer	Cere hæmorrhage ..	3-5-05 6 Argyle st south
23	M	62	Cooper ..	Broncho-pneumonia	26-11-04 140 Chester st
24	M	27d	Dom servant's son	Prematurity ..	28-8-05 Workhouse
25	F	60	Gen labour widow	Premature decay ..	22-8-05 17 Craven street
26	M	9d	" son	Prematurity ..	17-9-05 Workhouse
Oct. 2	F	62	Boilermak widow	Carcinoma of liver	12-9-05 14 Cambridge pl
1	M	50	General labourer	Diabetes mellitus ..	4-8-05 110 Duke street
1	M	26	Bricklayer's labou	Pulmon tuberculosis	20-9-05 37 Bk St Anne st
2	F	49	Gen labour's wife	Disease of heart ..	3-8-05 15 Meteor street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.
	1	F	62	Puddler's widow	Cardiac disease .. 18-6-01 18 West View
	2	M	1m	Dom servant's son	Prematurity .. 28-8-05 56 Church road
	8	M	48	General labourer	Lobar pneumonia .. 15-10-04 Birkenhead
	13	F	73	Dec agri lab daugh	Chronic bronchitis 5-12-96 103 Brook street
	14	M	46	General labourer	Bright's disease .. 20-9-05 75 Market street
	15	F	64	Ship carpen widow	Chronic bronchitis 2-12-04 80 Oliver street
	10	F	3m	Ship labour daugh	Tuberculous disease 22-9-05 30 Harrowby rd
	16	M	40	Soldier ..	Syphilitic disease .. 7-8-01 393 Brook street
	20	F	39	Charwoman ..	Pulmon tuberculosis 12-7-05 Payson street
	20	F	1m	—daughter..	Prematurity .. 4-9-05 56 Church road
	21	M	72	Sailmaker ..	Cardiac Disease .. 4-9-05 88 Duke street
	23	F	66	Ferry porter's wife	Chronic bronchitis 20-10-05 22 Seabank cotta
	23	M	48	Shoeing smith ..	Pulmon tuberculosis 6 10 03 186 Chester st
	26	M	9m	Dock labour's son	Convulsions .. 13-10-05 15 Eldon place
	29	F	68	Cab driver's wido	Pulmon tuberculosis 2-8-05 207 Old Chester rd
	31	M	75	Carter ..	Failure hearts action 16-11-87 31 Keightley st
Nov.	3	F	53	Cab driver's wido	Cardiac disease .. 29-3-04 41 Barton street
	4	M	68	Butcher ..	Bright's disease .. 2-1-02 53 Ivy street
	9	F	67	Rly platelay's wife	Carcinoma of liver 27-10-05 2 Bold street
	7	M	80	General labourer	Senility .. 18-9-05 Birkenhead
	4	M	22	Seaman ..	Pulmon tuberculosis 23-6-05 Birkenhead
	5	F	22	Dec ——— daugh	Purulent peritonitis 29-5-05 23 Quarrybank pl
	8	M	35	Dock labourer ..	" " 7-11-05 86 Brook street
	10	M	51	Butcher ..	Alcoholic paralysis 16-9-05 84 Maybank road
	9	F	32	Tinsmith's wife ..	Pulmon tuberculosis 4-11-05 17 Brook place
	11	M	1m	Gen labour's son	Tabes mesenterica 16-10-05 70 Mill street
	11	F	1m	Dom serv's daugh	Prematurity .. 19-10-05 15 Lunar street
	12	M	79	Hawker ..	Senility .. 16-8-05 Birkenhead
	16	F	75	Music teach widow	Senility, influenza 22-3-04 272 Borough road
	16	F	76	Tailor's widow ..	Senility .. 18 5-05 160 Rodney street
	19	F	47	Farm labour's wife	Pulmon tuberculosis 15-11-05 67 Arthur street
	19	M	74	General labourer	" " 14-8-01 19 Munster street
	21	M	54	Dock labourer ..	Cere hæmorrhage .. 20-11-05 50 Park street
	23	F	68	Ferrybt sea's wido	Carcinoma of liver 7-4-05 Kent place
	23	M	27	Grocer's vanman	Carcinoma of testicle 25-9-05 17 Lilly street
	26	F	20	Landowner's daug	Gonorrhœa periton 25-11-05 10 Oriel road
	24	M	65	General labourer	Broncho-pneumonia 23-9-05 75 Market street
	27	M	1m	——son	Prematurity .. 24-10-05 56 Church road
	27	F	76	Gen labr's widow	Cardiac disease .. 5-8-02 5 St Mary's aven
	29	M	60	Dockbrd labourer	Senile decay .. 19-9-05 16 Fox street
	29	M	66	Farm labourer ..	Exhaustion .. 19-11-05 75 Market street
Dec.	1	M	1m	Dom servant's son	Convulsions .. 31-10-05 56 Church road
	1	M	25d	" " "	Convulsions .. 6-11-05 56 Church road
	2	M	48	Dock labourer ..	Intussusception .. 28-11-05 14 Chester street
	5	M	24	General labourer	Pericarditis .. 17-11-05 3 Millars place
	7	M	38	Commercial clerk	Bronchiectasis .. 27-11-05 9 Market street
	7	M	77	Blacksmit striker	Cardiac disease .. 15-1-96 3 Chapel square
	11	M	25	Shore steward son	Pulmon tuberculosis 28-8-96 3 Ravenscroft rd
	9	F	83	Sawyer's widow	Shock to system .. 13-4-05 30 Jackson street
	12	M	64	Army pensioner	Arterio sclerosis .. 21-10-05 9 Brook place
	9	M	62	Dock labourer ..	Cere hæmorrhage .. 27-3-05 58 Somerville st
	11	M	50	General labourer	Pulmon tuberculosis 2-9-05 5 Bridge street