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Contributors

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COUNTY BOROUGH
OF
BARROW-IN-FURNESS.

MEDICAL OFFICER'S
REPORT AND STATISTICS.

YEAR ENDING DECEMBER 25th, 1907.

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1908



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MEDICAL OFFICER'S REPORT

FOR

YEAR ENDING DECEMBER 25th, 1907.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

Gentlemen,

I have now pleasure in reporting to you on the health conditions of our Borough during 1907.

STATISTICAL SUMMARY FOR 1907

Population estimated in July, 1907	69,733
Density, or Population per Acre	6·9
Inhabited Houses	12,023
Average House Population, estimated	5·8
Births	1,806
Deaths,	850
Birth-rate	25·91
Death-rate	12·19
Infantile Mortality per 1,000 Births	111
Illegitimate Births	35
Deaths in Illegitimate Children per 1,000 Births	429
Zymotic Death-rate (7 principal zymotics)	1·29
Increase of Population	1,496
Natural increase of Population	956
Phthisical Death-rate	·9
Respiratory Death-rate	2·1
Average Death-rate last 10 years	13·8

I have again, as last year, estimated the average house population at 5·8. With the number of inhabited houses at 12,023 we get the population in 1907 to be 69,733. The inhabited houses are more by 258 than last year, and the population of the Borough thus exceeds the previous year by 1496.

BIRTHS.—The number of Births registered was 1,806. The rate per 1,000 of population being 25·91. In the preceding year the Births were 1,886, and the Birth-rate 27·65 per 1,000.

In England and Wales the Birth-rate was 26·3 per 1,000.

The Birth-rate steadily declines with us as well as everywhere throughout the country. In spite of all efforts by Health Authorities, this downward grade will probably continue. The reasonable thing to do is to keep alive and make strong those children that are born.

DEATHS.—The deaths belonging to our district, all told, were 850, constituting a rate per 1,000 people living of 12·19. In the preceding year the deaths were 852, and the rate 12·49 per 1,000.

For England and Wales the rate was 15 per 1,000 per annum.

INFANTILE MORTALITY.—Under the age of one year 20 children died, being in proportion to the whole of the deaths 24·8 per cent. Under the age of 5 years 323 children died or 38 per cent. Based on the number of births we find that in every thousand children born there were 111 who died in the first year. In the year preceding this rate was 126 per 1,000. This is a very satisfactory infant death-rate, and the lowest in the decade with the exception of 1903, when the rate per 1,000 was 99.

For England and Wales the rate was 118.

A COMPARISON OF RATES FOR TEN YEARS.

Year.	Estimated Population	Number of Births.	Number of Deaths.	Birth-rate per 1,000.	Death-rate per 1,000.	Natural increase of population
1898	55,824	1,517	809	27·1	14·5	708
1899	56,412	1,713	864	30·3	15·3	849
1900	57,000	1,811	1087	31·7	19·0	724
1901	58,478	1,790	887	30·6	15·1	905
1902	61,836	1,937	915	31·1	14·7	1,022
1903	65,010	1,965	748	30·2	11·5	1,217
1904	67,938	1,902	818	28·0	12·0	1,084
1905	68,736	1,825	885	26·5	12·8	940
1906	68,237	1,886	852	27·6	12·4	1,034
1907	69,733	1,806	850	25·9	12·19	956

As regards the Birth-rate, the year under consideration is the lowest in the decade, and, I believe, the lowest we have ever had. The Death-rate, however, is below the average. The low Death-rate compensates in some degree for the declining Birth-rate, but the births drop the quicker of the two.

ILLEGITIMACY.—Children born out of wedlock numbered 35, and 15 children born illegitimate died during the first year. The death-rate in these per 1,000 born was 429. In children born in wedlock the rate was 110 per 1,000. There is no reason for thinking that children born illegitimate are less vigorous than children born otherwise, so that there less chance of life must be due to less care and more unnatural conditions. They seldom get the mother's milk or the mother or father's care. In France, where children are scarcer than with us, the State is a good foster-mother.

The following table gives the deaths in each month, and in seven groups of ages:—

Months.	0 to 5 yrs							Total Deaths.	Deaths per quarter.	Births per quarter.	Deaths per 1,000.	Birth-rate per 1,000.
	Under 1 year.	1 year and under 5.	5 years to 15 years.	15 years to 25 years.	25 years to 60 years.	60 years to 80 years.	80 years and upwards.					
January.....	20	7	2	5	29	27	3	93	—	—	13·3	—
February.....	23	11	3	9	30	26	1	103	—	—	14·7	—
March.....	18	10	—	1	19	17	1	66	262	475	9·4	27·2
April.....	17	7	2	4	23	12	—	65	—	—	9·3	—
May.....	16	6	3	3	24	21	3	76	—	—	10·9	—
June.....	8	6	1	2	16	18	1	52	193	444	7·4	25·4
July.....	16	2	2	5	20	14	2	61	—	—	8·7	—
August.....	11	7	3	2	19	12	2	56	—	—	8·3	—
September...	13	5	2	5	13	15	2	55	172	490	8·2	28·1
October.....	25	10	4	1	21	8	4	73	—	—	10·4	—
November....	18	15	8	3	16	9	3	72	—	—	10·3	—
December....	26	26	—	—	10	15	1	78	223	397	11·2	22·7
Totals....	211	112	30	40	240	194	23	850	—	1826	12·19	25·9

It will be seen that deaths were never high in any one month—February being the highest with a rate of 14·7 and September with a rate of 8·2 the lowest. As regards the quarters rate, the first was the highest and the third the lowest.

The low rate throughout the months makes it clear that there was no serious epidemic during the year. Measles in the later months is not seen appreciably in the death roll.

Death-rates compared:—

DIVISIONS.	All Causes.	7 Zymotics.	Smallpox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.	Diarrhoea.	Deaths to 1,000 Births.
England and Wales	15·0	1·26	—	·36	·09	·16	·29	·07	·29	118
76 Great Towns.....	15·4	1·54	—	·43	·12	·17	·35	·07	·4	127
Smaller Towns.....	14·5	1·29	—	·41	·08	·15	·29	·07	·29	122
Parts less than	14·7	0·91	—	·26	·06	·15	·21	·06	·18	106
Barrow-in-Furness....	12·1	1·28	—	·50	—	·19	·35	·07	·17	111

Our death-rate is more than two per 1,000 less than the lowest of the four Divisions. As regards the seven Zymotics we are slightly above the average.

In other respects we compare pretty evenly, only as regards Scarlatina we had no death, and, therefore, no rate.

The Divisions with populations and rates:—

DISTRICTS.	Population Estimated.	Ages at Death.				Rates per 1,000 of Population.			
		Under 1 Year.	1 and under 5 Years.	Over 5 Years.	Total Deaths.	Under 1 Year.	1 and under 5 Years.	Over 5 Years.	All Ages.
Hindpool.....	14,337	56	30	169	255	3·8	2·0	11·7	17·8
Central.....	23,943	80	38	198	316	3·3	1·5	8·2	13·2
Walney.....	14,401	36	22	78	136	2·5	1·5	5·3	9·4
Eastern.....	17,052	39	22	82	143	2·2	1·2	4·8	8·5
Totals	69,733	211	112	527	850	3·0	1·6	7·5	12·19

The highest rates in the Divisions are in Hindpool. This is true in every division of age. On the other hand, the Eastern District has the lowest rates. Walney is always low in its death-rate, due partly, to sea breezes, but more to its population being overestimated. Its tenements being smaller than in other Divisions.

CLASSIFICATION OF DEATH CAUSES.—The two years 1906 and 1907 are compared:—

Class.	1906		1907	
	Deaths.	Rates.	Deaths.	Rates.
I.—Zymotic	104	1·55	129	1·85
II.—Constitutional	122	1·79	121	1·73
III.—Local	407	5·98	398	5·71
IV.—Developmental	142	2·08	149	2·14
V.—Violence	34	·49	30	·43
VI.—Ill-defined	43	·69	25	·35

There is no great disparity as to the character of the fatal diseases for the two years. The Zymotic deaths are slightly higher in 1907, through a visitation of Measles. Deaths from violence were fewer somewhat than usual.

The seven principal Zymotics are given below in the last four years:—

DISEASES.	Deaths in 1904.	Deaths in 1905.	Deaths in 1906.	Deaths in 1907.	Rate in 1904.	Rate in 1905.	Rate in 1906.	Rate in 1907.
Smallpox.....	—	1	—	—	—	·01	—	—
Measles.....	2	57	1	35	·02	·82	·01	·50
Scarlatina.....	11	6	4	—	·16	·08	·08	—
Diphtheria.....	4	12	13	13	·05	·17	·19	·18
Whooping Cough.....	17	23	2	25	·25	·84	·02	·35
Fevers.....	6	3	2	5	·08	·02	·02	·07
Diarrhœa.....	36	17	61	12	·53	·04	·89	·17
	76	119	83	90	1·11	1·86	1·22	1·28

As will be seen from this return, 1907 was a year visited by Measles and Whooping Cough. It was a year also remarkably free as regards Diarrhœa, and although there were a number of cases, there was no death from Scarlatina.

SMALLPOX.—Again we were saved from an inroad of the dreaded disease.

We have a hospital ready, but our greatest safety lies in the fact that we have the highest returns of successful Vaccination of any similar town in the country.

MEASLES.—We were visited by a severe epidemic of this disease in the later months of the year. Schools were closed, first St. Patrick's, then all the others, but I am of opinion that the disease had got too general a hold for closure to have any decided effect. The fatality was probably low—35 deaths in thousands of cases.

SCARLATINA.—There were 190 cases of this disease reported, and not a single death. This is remarkable, and is a convincing proof of the mildness of the disease.

DIPHTHERIA.—Of diphtheria, there were 57 notifications, and of Membraneous Croup three. The deaths numbered 13. These figures compare very closely with the preceding year. The disease was not referable to any particular district or locality. Diphtheria Antitoxin is not provided by our Health Authority, as in many other towns, but I believe it is generally used by our medical men both as a curative agent and as a prophylactic or preventative.

FEVERS.—Under the heads of Enteric, Typhoid and Continued Fevers there were 25 reports. The figure is the same as last year. Typhoid is a diminishing disease with us. The cases are all sporadic, and no part of the Borough is specially affected.

DIARRHŒA.—This disease was much less prevalent than usual, there being but 12 deaths in all. Ten of these were in infants under 12 months.

WHOOPIING COUGH.—This disease of children was fatal in 25 cases. It was somewhat epidemic in the concluding quarter.

PUERPERAL FEVER.—Four cases were reported, and there were two fatalities. The old midwife, here and everywhere, is quite unable to alter her habits. As a rule, she cannot read, and the rules of the Midwives Act are quite beyond her comprehension. She is gradually being replaced by the trained midwife, and will automatically die out shortly. Four old-type midwives still remain, out of 10 in all.

TUBERCULOSIS.—Phthisis was registered as the cause of 63 deaths, Hydrocephalus of five, and other Tubercular disease of 24, making in all 95 deaths. Atrophy and Debility also caused 33 deaths, and many of these also were probably Tubercular. The Sanatorium Treatment for Consumption is becoming more popular. The good done is not confined to the physical state of the cases admitted, but is also calculated to spread a knowledge of the benefits of fresh air. This knowledge alongside improved cleanliness and temperance, in all things, will gradually bring about an improvement in the stamina of the people, which is the best safeguard against Consumption, and all Tubercular diseases.

RESPIRATORY DISEASES.—Bronchitis was the cause of 66 deaths, and Pneumonia of 75. These are about our average. These deaths occur in the extremes of life—under five years and over 70 years. The rate is lower this year than for a long term of years.

Cerebro Spinal Meningitis has not visited us to my knowledge, and the emotional scare has passed.

PORT SANITARY WORK.—No ship infected—suspected or from infected ports—have arrived in our ports during the year. There have been several false alarms, and one case of Bubo from Syphylis, required some discrimination from Plague. Mr. Farrar, from the Local Government Board, has been down to advise us as to our administration in relation to the possible invasion of Plague, Cholera and Yellow Fever. Plague is our greatest danger, through the possible arrival of the disease in grain ships, and to the secondary infection of our rat population. A sharp look-out by Pilots, etc., is our first line of defence.

COMMON LODGING HOUSES.

Mr. Berry reports to me as follows:—

COMMON LODGING HOUSES.—There are four of these houses on the register. During the year 1907, they were maintained in a fair state of cleanliness and order. Proceedings were taken against the proprietor of one house for a breach of the bye-laws, which resulted in a conviction."

FOOD AND DRUGS.—About the average number of samples were taken during the year and submitted for analysis, which were mostly certified as genuine or passable. Proceedings were taken against four persons for offences under then Food and Drugs Acts, three of whom were convicted.

The Lodging-houses are the same as hitherto. The management is a little improved, but a visit at two in the morning is the time to get a true character of these places.

With respect to Cowkeepers and Meat Inspection, Mr. Kendall reports:

Corporation Abattoirs,
Barrow-in-Furness,
March 31st, 1908.

REPORT AS TO SOUND MEAT, ETC.

During the 12 months ending March 31st, 1908, the number of seizures of unsound meat has been 211, and from the following causes:—

Tuberculosis	161	Fever	6
Emaciation and Dropsy	13	Injured	2
Abscesses	12	Immature	1
Smothered	7	Actinopycosis	1
Parasitic Diseases	7	Jaundice	1

Of the cases of Tuberculosis 21 were generalized, and the carcasses condemned, in the remaining 140 cases the disease was localized, and the carcass passed after the removal of the diseased parts and organs.

The total weight of meat condemned was 19,804 lbs., being made up of

Beef	18,549 lbs.	Pork	316 lbs.
Mutton	871 „	Veal	68 „

With two exceptions the whole of the above amounts have been surrendered by the trade after inspection—in those two cases Magistrates Orders for destruction were obtained. One prosecution followed, and a penalty of £2 costs was obtained. Periodical inspection has been made of the cattle in the cowsheds within the Borough, and the health of the cows has been found to be satisfactory. Three cows have been removed from the sheds on account of Tuberculosis. The condition of the cowsheds themselves remains unsatisfactory, but preparations are being made to get in hand the necessary alterations in order to bring them up to the standard required by the Corporation, and these alterations, it is hoped, will be done during the summer, whilst the cattle are at grass.

WM. KENDALL, M.R.C.V.S.,

Inspector.

PUBLIC DISINFECTOR.

The present position as regards a Disinfector is that the type of machine has been decided on, the site has been fixed, and the building for the machine, etc., has been agreed on. The site of the Devonshire Road Hospital has been decided on by the Committee.

SCHOOL HYGIENE.

The recent Education Act has made it incumbent on all Education Authorities to carry out Medical Inspection of School Children. As regards our Borough, I have reported to the Education Authority on the whole subject, and what I conceived to be the best way of carrying it out. So far, the matter now rests with the Education Authority. If the matter is worked in accordance with the tenor of the memorandum of the Central Authority the Act cannot fail to develop an improvement in the stamina of the race. Experience and a proper spirit is all that is wanted. In most towns, a school nurse has been appointed, and the work cannot be completely beneficial without such an officer. For many years I have been asking for a female Health Officer in vain. Under another name, the Education Act emphasizes the necessity for such an officer.

In conclusion, I can say that the report for 1907 is not unsatisfactory.

It could hardly be otherwise. As a town, we have good open streets, front and back, and are entirely without alleys or slums. Our water supply is, and will continue to be, above suspicion. We have also a Public Slaughter-house, which is admirable in every way. In other respects, we

are as others are. We have common lodging-houses carried on for profit only. We have underground bakehouses, not so bad as some, but still underground. We have no female officer, either as Health Visitor or School Nurse, to advise the poor people at their homes—to keep them clean, advise as regards the baby and the children generally. I am sure a great deal could be done in this direction to improve things.

All these things will come in time, no doubt, and in the meantime perhaps it is as well to bear in mind that "Rome was not built in a day."

I am, Gentlemen,

Yours faithfully,

JOHN SETTLE.

CHIEF SANITARY INSPECTOR'S REPORT

TO THE CHAIRMAN AND GENTLEMEN OF THE HEALTH COMMITTEE

I beg to lay before your Committee a list shewing the number and description of nuisances which have been dealt with by your Committee during the past year, together with other Sanitary Work carried out in connection with the Sanitary Department.

In accordance with your Committee's instructions, formal notices were served on the several owners or occupiers of property, as the case might require, for the early abatement of such nuisances:—

1	Foul Privy converted to W.C.
1	„ „ re-built.
14	Defective Slopstone Gullies replaced.
22	„ Surface Water Gullies replaced.
5	„ Cellar Gullies replaced
68	„ Slopstone Pipes repaired.
57	„ Ventilating Pipes repaired.
3	„ W.C. Soil Pipes repaired.
262	„ Eaves and Downspouts repaired.
66	„ Yard Surface Floors re-laid.
96	„ Yard Floors repaired.
26	„ W.C. Drains re-laid, etc.
12	„ Slopstone Drains re-laid, etc.
2	„ Surface Water Drains re-laid, etc.
9	„ Cellar Gullies removed to Cellar Area.
7	„ Cellar Floors re-laid.
41	„ W.C. Pans replaced by new ones.
16	„ W.C. Syphon-traps replaced.
183	„ Sets of W.C. Water Fittings repaired.
58	„ W.C. Flush-pipe Connections repaired.
58	„ Dwelling-house Roof repaired.
27	„ W.C. Roofs repaired.
56	„ Ashpit Roofs repaired.
5	„ Manure Pits repaired.
42	„ Kitchen and Scullery Floors repaired.
32	„ Drains given Ventilation Pipes.
2	„ Drainage Systems re-modelled.
4	„ Bath, Slopstone, and Lavatory Wastes disconnected.
3	„ Pan Closets removed, etc.
17	„ Yard Walls re-built.

5	„	Slopstones replaced.
39	„	W.C.'s put in sanitary condition.
14	„	Slopstone Gully Flanges repaired.
4		Nuisances from black smoke abated.
18	„	„ Slops deposited in Ashpits.
28	„	„ Back Yards in bad condition.
13	„	„ Dwelling-houses in bad condition.
84	„	„ Damp Dwelling-houses.
5	„	„ Putrid Fish and Pig Swill.
15	„	„ Accumulation of Manure.
1	„	„ Private Urinal.
3	„	„ Overcrowded Dwelling-houses.
21	„	„ Poultry in Back Yards.
12	„	„ Cellars Flood with Sewage.
73	„	„ W.C. Drains choked.
46	„	„ Slopstone Drains choked.
50	„	„ Surface Water Drains choked.
7	„	„ Cellar Drains choked.
4	„	„ Stable Drains choked.
26	„	„ Disconnecting Gullies choked.
8	„	„ Swine in insanitary condition.
10	„	„ Offensive Accumulations.
3	„	„ Storm Water on vacant land.
1	„	„ Offensive Ponds.
12	„	„ W.C.'s in bad condition.
1	„	„ Dead Horses.
8	„	„ Dwellings badly ventilated.
45	„	„ Insanitary Staircases, Passages and Ceilings.
44	„	„ Insanitary Cellars.
6		W.C.'s provided with continuous water supply.

1805

The foregoing list does not include many nuisances requiring immediate attention, which were remedied through letter or personal application.

STRUCTURAL DEFECTS.

During the past year, Structural Defects have been remedied at 158 Dwelling-houses, arising from the defective condition of the interior, roofs, walls, and chimneys, and pointing of the brickwork of outer walls.

FACTORY AND WORKSHOPS ACT, 1901.

There are at present 287 Workshops within the Borough, all of which are registered according to the above Act, and regular visits were made during the year. The following is a list of the Workshops under inspection.

Dressmakers and Milliners ...	65	Tallow-melter	1
Bootmakers	51	Tinsmiths	5
Tailors	22	Bottlers	2
Coach-builders	5	Lath-maker	1
Joiners	16	Boat-builders	2
Clog-makers	6	Stonemasons	3
Blacksmiths	10	Window-Blind maker	1
Saddlers	3	Picture-framers	3
Cabinetmakers	11	Brush-maker	1
Upholsterers	2	Sugar-boiler	1
Coopers	2	Dyer	1
Cycle-makers	9	Plasterer	1
Plumbers and Painters	18	Tripe Dressers	6
Sailmakers	1	Gut-scraper	1
Watchmakers	3	Basket-maker	1
Photographers	1	Ice-cream makers	2
Locksmiths	1	Wire-worker	1
Stocking-knitters	2	Botanic Beer Brewers	2
Marine Stores	3	Saw Sharpener	1
Weight and Scale Makers	1	Bottle-sorting	1

90 Notices have been served on the occupiers or owners of Workshops for the early abatement of the following defects or infringements:—

Workshops Overcrowded	1	Remedied.
„ Requiring Limewashing	25	„
„ Without Factory Abstract	9	„
„ With Defective Sanitary Conveniences ...	7	„
„ Badly Ventilated	1	„
„ W.C.'s kept in Insanitary Condition ...	6	„
„ Cubic Capacity not posted	7	„
Employers Failing to Notify Outworkers	44	„
„ „ to Keep Lists of Outworkers ...	22	„
Infectious Disease at Outworkers' Dwelling	1	„
Factories Without Proper Sanitary Conveniences ...	3	„
„ With Defective W.C. Accommodation	2	„
„ With Unsuitable W.C. Accommodation ...	1	„
„ With Insanitary W.C. Accommodation ...	3	„
„ With W.C. for two Sexes Unscreened	3	„

135

There are now within the Borough 56 Bakehouses, all of which are registered according to the Factory and Workshops Act. Regular visits have been made to each Bakehouse, and 31 notices have been served for the early abatement of the following defects and infringements.

Bakehouses requiring Limewashing	35	Remedied.
„ Without Factory Abstract	2	„
„ With Defective Floors	1	„
„ With W.C. inside Bakehouse	1	„
„ With Gully inside Bakehouse	2	„
„ With Defective Drainage	1	„
„ With Defective Ceiling	3	„
„ With Defective Ventilation	1	„
„ Without Cubic Capacity posted	2	„
„ With Ashpit Communicating direct	1	„
	49	

40 Lists of Outworkers have been received during the year in accordance with Section 107 of the Factory and Workshops Act, 1901, comprising 75 Outworkers. The dwellings of all the Outworkers have been regularly visited, and were found to be kept in a good sanitary condition. One case of infectious disease was notified during the year at the Outworker's Dwelling-house, No. 23, John-street, viz., Scarlatina. Notices were at once served on the employers to discontinue sending work to be done at this address until the patient had fully recovered and the premises disinfected. These instructions were carried out, and the premises were disinfected by the Assistant Sanitary Inspectors.

NOTIFICATIONS OF INFECTIOUS DISEASE.--During the year 340 cases of Infectious Diseases were notified by the Medical Gentlemen of the Borough as follows:—

Scarlatina	190
Enteric, Typhoid, and Continued Fever	25
Erysipelas	61
Diphtheria	57
Puerperal Fever	4
Membraneous Croup	3
	340

The whole of the foregoing cases of Infectious Diseases were visited the same day as the notifications were received, and a liberal supply of disinfectant and carbolic soap were given in all cases where disinfectants were not already in use, and with instructions as to their use, and the best means of preventing infection being carried from one dwelling to another. In accordance with the Medical Officer of Health's instructions where infectious disease existed the parents were advised to withdraw all children from school who might be attending from any infected dwelling. I may state that where any sanitary defect existed at or near to any infected dwelling the same was attended and remedied without delay.

LIBRARY BOOKS.—In accordance with your Committee's instructions, I have from time to time forwarded to the Borough Librarian and to the Secretary to the Education Committee the names and addresses of all persons notified to be suffering from infectious disease. The Assistant Inspectors and myself have also made inquiries at all the infected dwellings if any of the occupants had books from any of the Libraries within the Borough, and if so the books were collected and fumigated before being returned.

DISINFECTION OF DWELLINGS, BEDDING, ETC.—In all cases where persons suffering from infectious disease have been removed to the Infectious Diseases Hospital, the dwelling, bedding and all articles which had been exposed to infection, or likely to retain infection, have been thoroughly disinfected by fumigating the rooms and articles with sulphur. In all cases where persons so suffering were not removed to Hospital, the dwelling, bedding, etc., and all infected articles, were thoroughly disinfected with sulphur on the patients recovery.

DESTRUCTION OF BEDDING. During the year a large quantity of infected bedding, mattresses, etc., have been destroyed by burning at the wish of the owners, who did not ask for compensation.

INSPECTION OF PUBLIC BUILDINGS.—The Assistant Inspectors and myself have during the year made frequent visits to all the Board Schools and other public buildings in the Borough, for the purpose of ascertaining the condition of the W.C.'s, Urinals, etc., and the prevention of nuisances arising therefrom.

GENERAL INSPECTION.—As in previous years, special care was taken during the summer months, and frequent inspection of the whole Borough was made for accumulations of filth or other noxious or offensive matter, and for the removal of such accumulations with the least possible delay.

INSPECTION OF SHIPPING.—During the year 478 vessels were inspected, viz., 7 Barques, 25 Schooners, 5 Ketches, and 441 Steamships. Of these, 398 were British vessels and 80 of foreign nationality, all of which were free from infectious disease on their arrival in port. Where petty nuisances were found to exist, I usually found the officer in charge ready to comply with all reasonable suggestions for the abatement of such nuisances. On my second visit to the vessel the nuisance in question was in most cases remedied.

During the year notices were served for the following nuisances:—

Insanitary condition of W.C.'s	41
Insanitary condition of Forecastle	32
Forecastle requiring painting	1
Offensive Bilges	4
	—
	78
	—

The whole of the above were remedied without trouble.

OFFENSIVE TRADES.—The following is a list of the Offensive Trades established within the Borough:—

Messrs. Hodgson,	Tallow Melters, Soap Boilers,	Ormsgill.
R. Sheldon,	Tripe Dresser,	Corporation Abattoirs.
P. Hollywood,	„	Do. Do.
Barrow Co-operative Society,	„	Do. Do.
C. Michelbach,	„	Leicester Street.
Mrs. Gibson,	„	Back Dalton Road.
M. Shackleton,	„	2, Arthur Street.
G. Vogel,	Gut Scraper,	Corporation Abattoirs.
Messrs Mark & Sons,	Hide, Fat, and Skin Merchants.	Ironworks Road.

I am, Gentlemen,

Your obedient Servant,

JOHN HALIFAX,

Sanitary Inspector.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES, AND HOMEWORK.

I.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OF NUISANCES.

PREMISES.	Number of		
	Inspections.	Written Notices.	Prosecutions.
FACTORIES (Including Factory Laundries).	19	13	—
WORKSHOPS (Including Workshop Laundries).	497	108	—
WORKPLACES (other than Out-workers' Premises included in Part III. of this Report).			
TOTAL	516	121	—

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions
	Found.	Remedied.	Referred to H.M. Inspector.	
NUISANCES UNDER THE PUBLIC HEALTH ACTS:—				
Want of Cleanliness	34	34		
Want of Ventilation	2	2		
Overcrowding	1	1		
Want of drainage of floors	11	—		
Other nuisances	3	3		
Sanitary accommodation { insufficient	10	10		
{ unsuitable or defective	—	—		
{ not separate for sexes	—	—		
OFFENCES UNDER THE FACTORY AND WORKSHOP ACT:—				
Illegal occupation of underground bakehouse (S. 101)...	99	—		
Breach of special sanitary requirements for bake-	48	48		
houses (SS. 97 to 100)	22	22		
Other offences { Failing to keep lists of Outworkers ...	44	44		
{ Failing to send in lists of Outworkers ...				
(Excluding offences relating to outwork which are				
included in Part III. of this Report.)				
Total	184	184		

3.—HOME WORK.

NATURE OF WORK.	Outworkers' Lists, Section 107.						Outwork in Infected Premises, Sections 109, 110	
	Lists Received from Employers.				Number of Addresses of Outworkers forwarded to other Councils.	Number of Inspections of Outworkers' premises.	Instances.	Orders made (S. 110).
	Twice in the Year.		Once in the Year.					
	Lists.	Outworkers.	Lists.	Outworkers.				
Wearing Apparel—								
(1) making, &c.	36	71	3	4	2	140	1	1
(2) cleaning and washing	—	—	—	—	—	—	—	—
Furniture and Upholstery	4	4	—	—	—	—	—	—
Total	40	75	3	4	2	140	1	1

4.—REGISTERED WORKSHOPS.

Workshops on the Register (S. 131) at the end of the year.	Number.
Workshops	287
Workshop Bakehouses	56
Total number of workshops on Register ...	343

5.—OTHER MATTERS.

Class.	Number.
Matters notified to H.M. Inspector of Factories:—	
Failure to affix Abstract of the Factory and Workshop Act (S. 133)	9
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5)	5
Other	5
Underground Bakehouses (S. 101):—	
Certificates granted during the year	—
In use at the end of the year	10

APPENDIX TO MEDICAL OFFICER'S YEARLY REPORT.

No. of Birth within the Borough during the year ending 25th December, 1907	1,806
Corresponding period preceding Year	1,886
Decrease	80

**TABLE showing ages at death, from each cause of death, in the
Borough of Barrow-in-Furness, during year ending
25th December, 1907.**

	0—5		5—15.	15—25.	25—60.	60—80.	80 Years and upwards.	Total at all Ages.
	Under 1 Year	1 Year and under 5.						
1.								
1. Smallpox .....	...	...	...	...	...	...	...	...
Chicken Pox .....	...	...	...	...	...	...	...	...
Measles	8	25	1	...	1	...	...	35
Scarlatina .....	...	...	...	...	...	...	...	...
Diphtheria .....	...	9	4	...	...	...	...	13
Quinsy .....	...	...	...	...	...	...	...	...
Croup .....	...	...	...	...	...	...	...	...
Whooping Cough	11	13	1	...	...	...	...	25
Typhus .....	...	...	...	...	...	...	...	...
Enteric Fever .....	...	...	...	3	2	...	...	5
Simple continued Fever .....	...	...	...	...	...	...	...	...
Erysipelas	1	...	...	...	...	...	...	1
Puerperal Fever (matria) ...	...	...	...	...	2	...	...	2
Carbuncle .....	...	...	...	...	...	...	...	...
Influenza .....	...	...	1	...	5	15	1	22
Dysentery	1	...	...	...	...	...	...	1
Diarrhœa	10	...	...	...	1	1	...	12
Cholera .....	...	...	...	...	...	...	...	...
Ague .....	...	...	...	...	...	...	...	...
Remittent Fever .....	...	...	...	...	...	...	...	...
Rheumatism .....	...	1	...	1	2	2	...	6
Other Zymotic Diseases .....	...	...	...	...	...	...	...	...
2. Syphilis	2	...	...	...	...	...	...	2
3. Delirium Tremens .....	...	...	...	...	...	...	...	...
Intemperance .....	...	...	...	...	5	...	...	5
4. Thrush .....	...	...	...	...	...	...	...	...
Worms .....	...	...	...	...	...	...	...	...
Carried forward	33	48	7	4	18	18	1	129

	0-5.		5-15.	15-25.	25-60.	60-80.	80 Years and upwards.	Total at all Ages.
	Under 1 Year.	1 Year and under 5.						
Brought forward	33	48	7	4	13	18	1	129
II.								
1. Dropsy .....	...	...	...	...	...	...	...	...
Cancer .....	...	...	...	...	20	6	1	27
Noma .....	...	...	...	...	...	...	...	...
Mortification .....	...	...	...	...	...	...	...	...
2. Phthisis	1	2	3	9	45	3	...	63
Hydrocephalus .....	...	4	...	...	1	...	...	5
Other Tubercular Diseases ...	8	1	5	5	5	...	...	24
III.								
1. Cephalitis	5	9	2	1	3	...	...	20
Apoplexy .....	...	...	...	...	8	16	...	24
Paralysis .....	...	1	...	...	5	3	1	10
Epilepsy .....	...	...	...	...	2	...	...	2
Convulsions	12	2	...	...	...	...	...	14
Brain Disease, &c.	5	1	...	3	10	10	...	29
2. Heart Disease, &c.	1	...	1	4	22	43	...	71
3. Bronchitis	22	9	...	1	13	18	3	66
Pneumonia	9	15	2	3	33	13	...	75
Lung Disease .....	...	1	...	1	4	...	...	6
4. Enteritis	2	1	1	...	...	...	...	4
Peritonitis	1	...	1	...	1	...	...	3
Hepatitis .....	...	...	...	...	...	...	...	...
Disease of Stomach, Liver, Intestines, &c.	9	4	3	3	19	10	...	48
5. Kidney Disease, &c.	1	...	2	...	5	11	...	19
6. Ovarian and Uterine Disease	...	...	...	...	1	1	...	2
7. Joint Disease	1	...	1	...	...	...	...	2
8. Skin Disease	2	...	...	...	1	...	...	3
IV.								
1. Premature Birth	34	...	...	...	...	...	...	34
Teething	13	16	...	...	...	...	...	19
Malformation	13	...	...	...	...	...	...	13
2. Childbirth .....	...	...	...	1	1	...	...	2
3. Old Age .....	...	...	...	...	2	29	17	48
4. Atrophy and Debility	25	2	...	4	...	2	...	33
V.								
1. Accident	5	5	1	1	13	4	...	29
2. Homicide .....	...	...	...	...	...	...	...	...
2. Suicide .....	...	...	...	...	1	...	...	1
Causes not specified or ill defined	9	1	1	1	5	8	...	25
All causes at each age	211	112	30	41	238	195	23	850
Corresponding period of last year	238	94	24	48	248	183	17	852

Ratio of Deaths to Population per 1,000—12-19.

Corresponding period preceding year—12-49.

JOHN SETTLE, *Medical Officer of Health.*

Dated this 1st day of March, 1908.

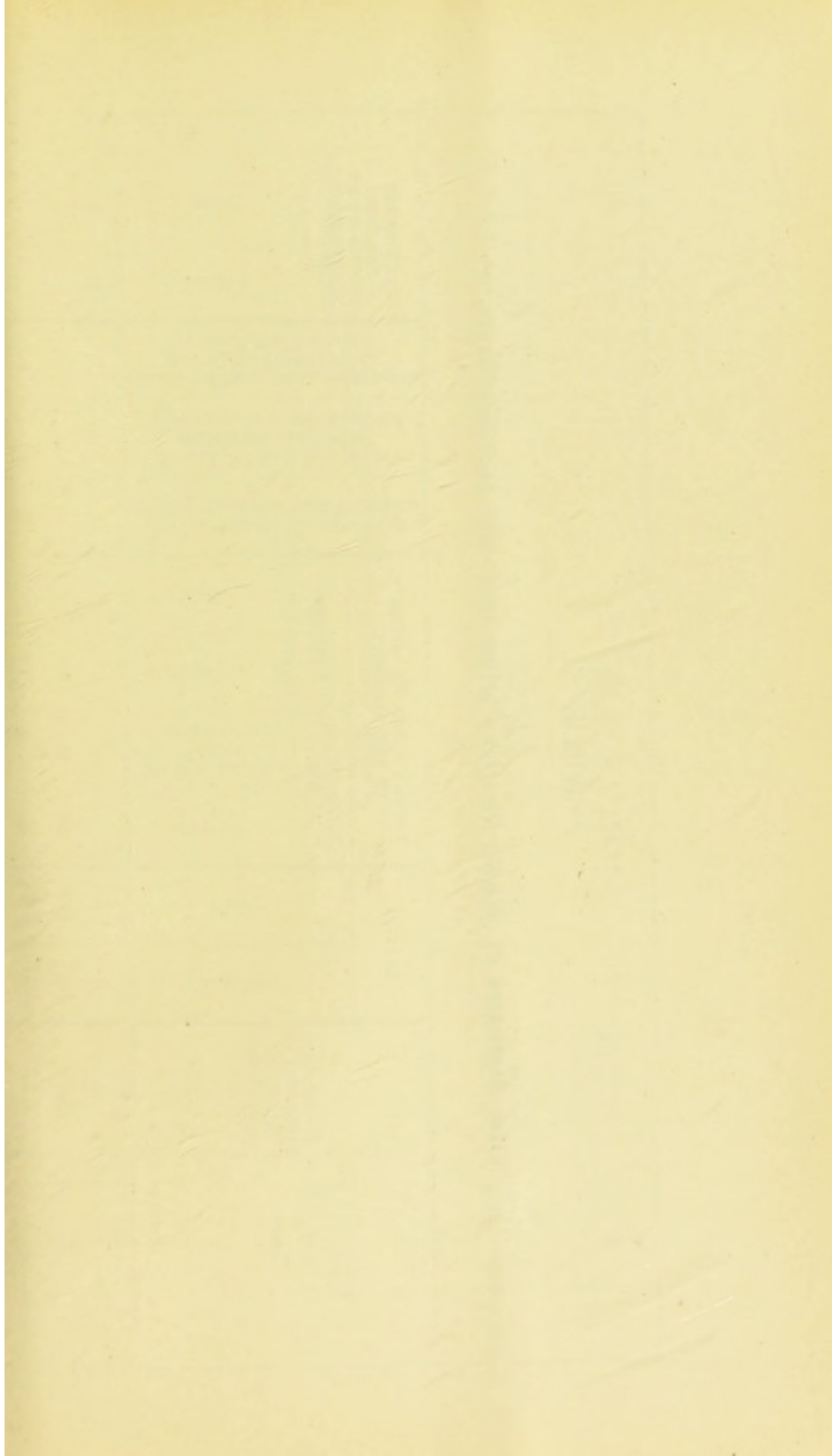


TABLE I.

Vital Statistics of Whole District during 1907 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				NET DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate.*	Under 1 Year of Age.	At all ages.	Number.	Rate per 1,000 Births registered.	Number.	Rate *	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	Number.	Rate *
1	2	3	4	5	6	7	8	9	10	11	12	13	
1897	54,650	1588	28.5	253	154	806	14.5	56	—	—	—	—	
1898	55,237	1517	26.8	265	174	809	14.3	54	—	—	—	—	
1899	55,824	1713	28.1	280	163	864	14.1	42	—	—	—	—	
1900	56,412	1811	31.7	315	175	1087	19.0	61	—	—	—	—	

1905	68,736	1825	26.5	245	134	885	12.8	89	—	—	885	12.8
1906	68,237	1886	27.6	238	126	852	12.4	—	5	7	854	12.5
Averages for years 1896-1905.	60,752	1798	29.5	253	146	843	13.8	—	—	—	—	—
1907	60,752	1806	25.91	211	111	841	12.06	—	6	15	850	12.19

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water)

10,000

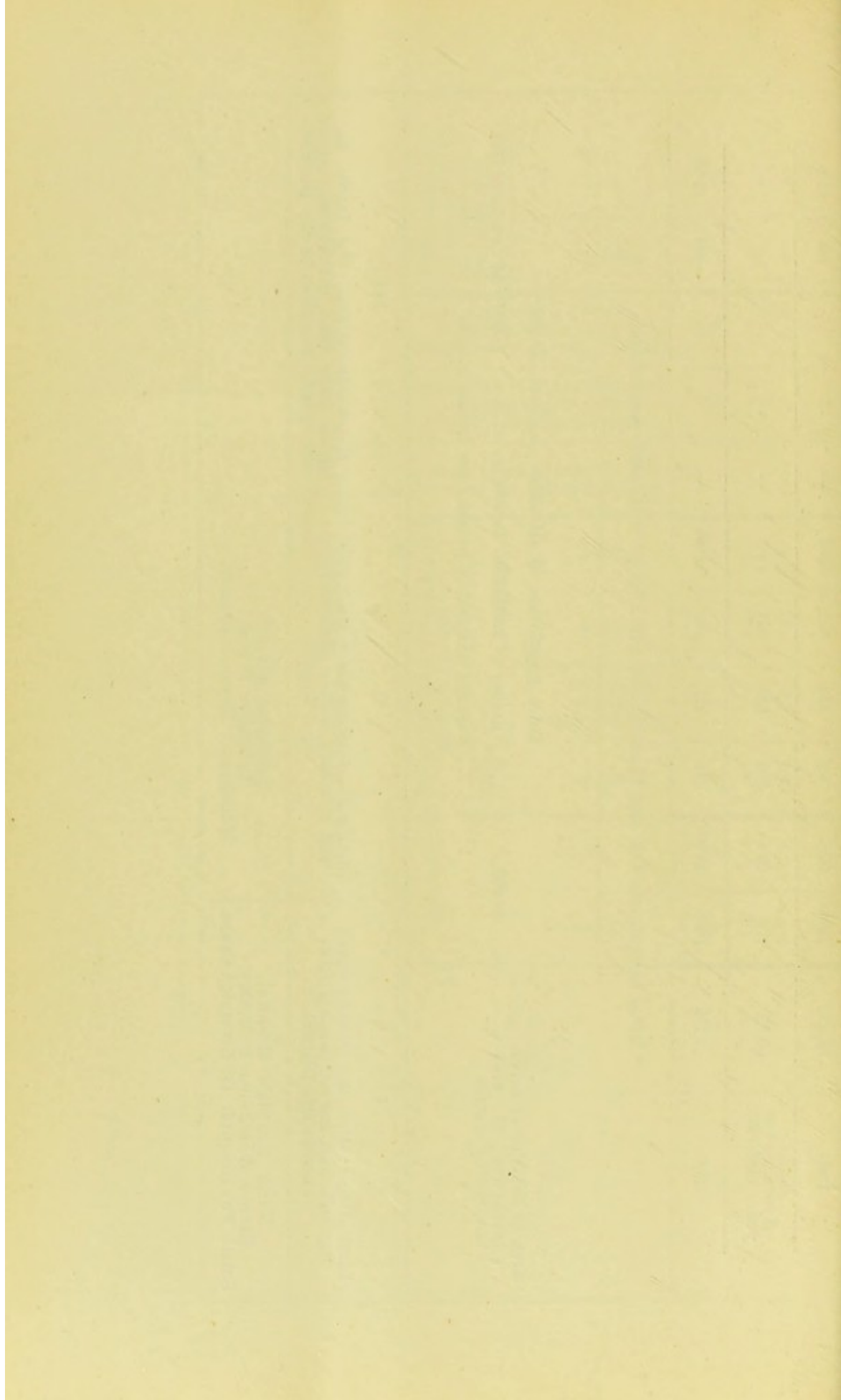
Total population at all ages

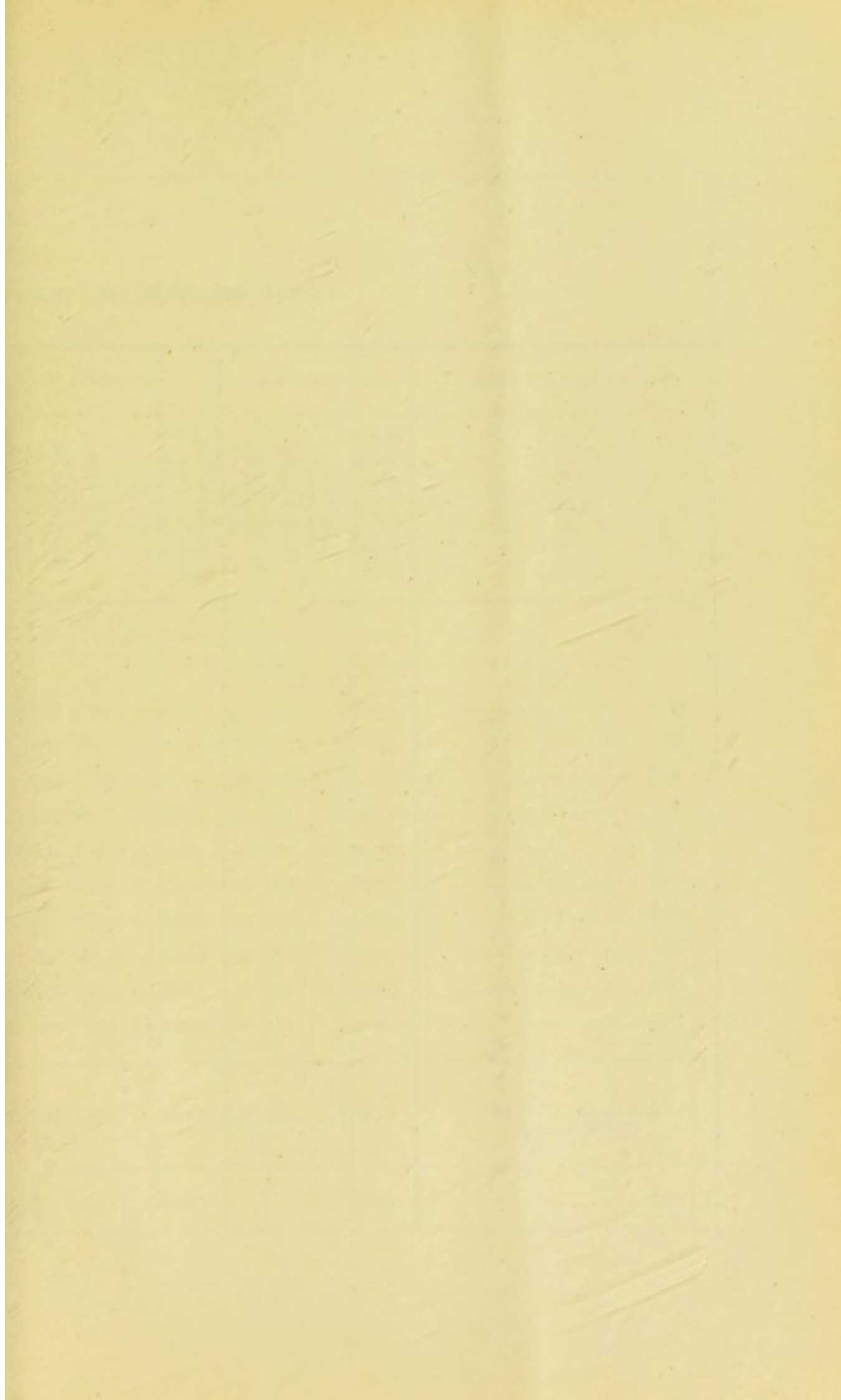
Number of inhabited houses

Average number of persons per house ...

57,586 }
9,536 }
6.03 }
At Census of 1901.

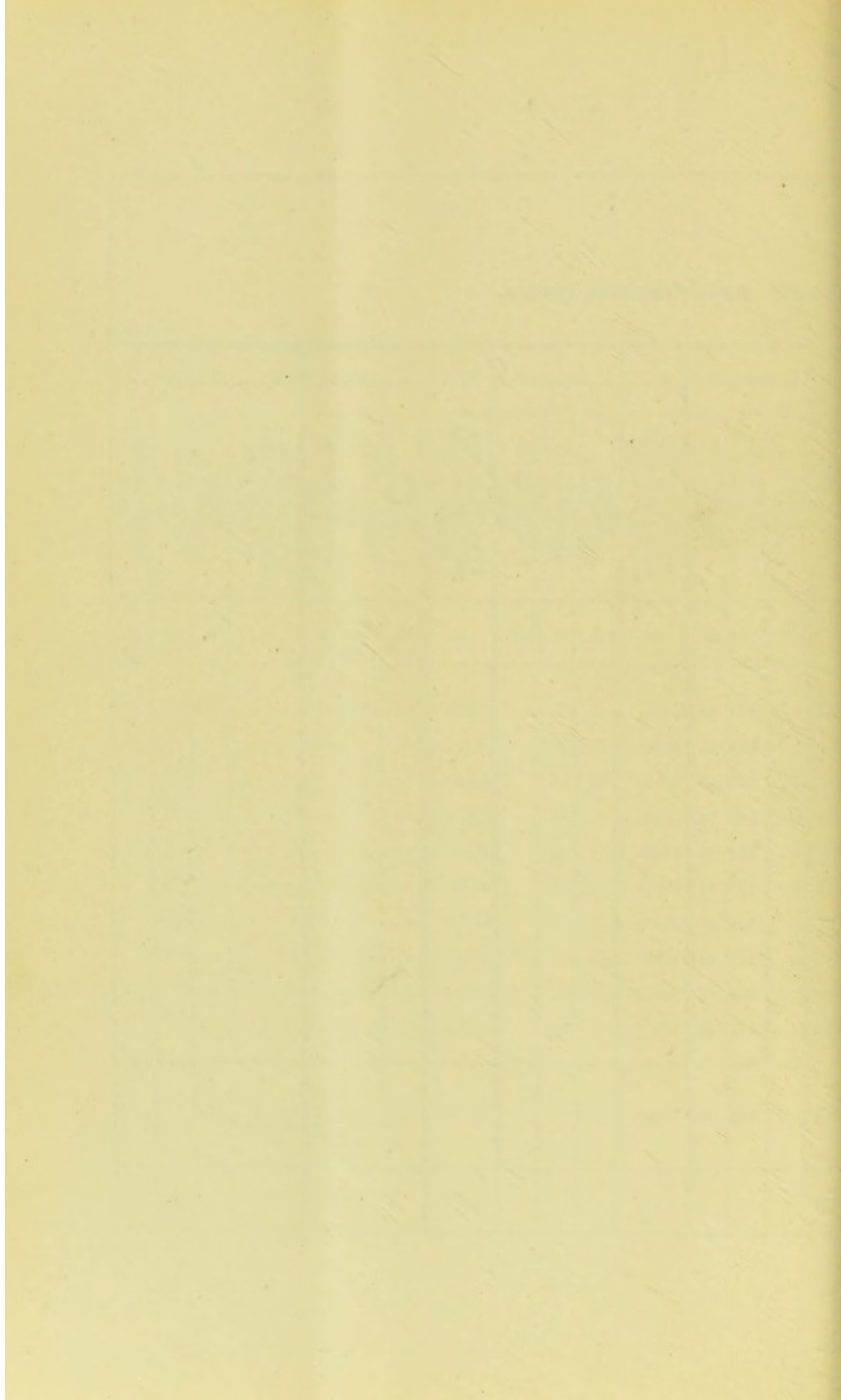
<p>I.</p> <p>Institutions within the District receiving sick and infirm persons from outside the District.</p> <p>North Lonsdale Hospital. Barrow Workhouse Infirmary. Small Pox Hospital for Ulverston Cases.</p>	<p>II.</p> <p>Institutions outside the District receiving sick and infirm persons from the District.</p> <p>Lancaster Asylum. Lancaster Prison. Manchester Royal Infirmary.</p>	<p>III.</p> <p>Other Institutions, the deaths in which have been distributed among the several localities in the District.</p>
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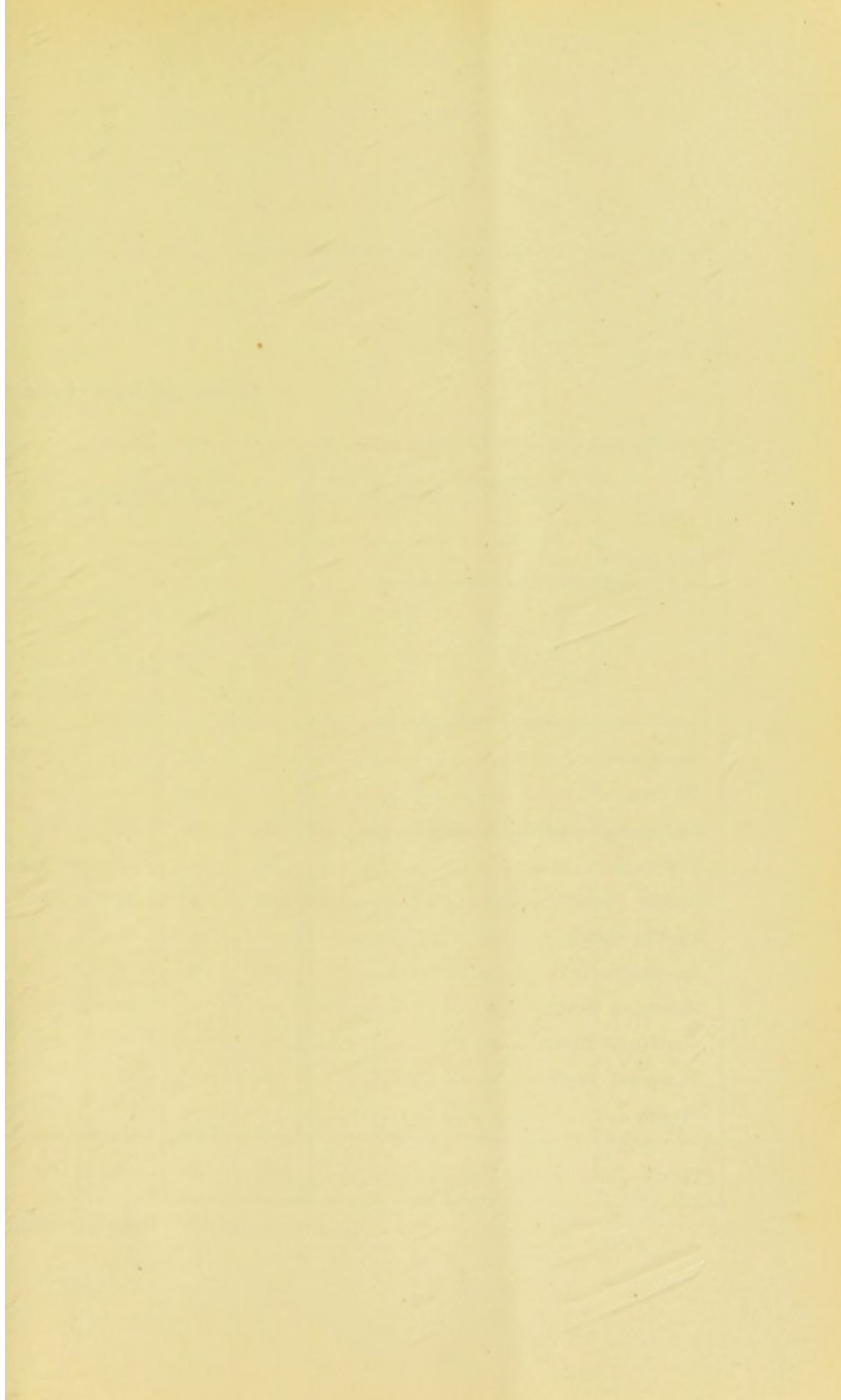




Vital Statistics of separate

NAMES OF LOCALITIES.	1.—HINDPOOL.				2.—CENTRAL.				3.—
YEAR.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.
	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>
1897	13022		195	71	23579	318	100		7973
1898	13106		211	87	23945	346	109		8190
1899	14098		197	76	25720	383	128		9081
1900	13374		251	72	23837	506	148		8647
1901	13428		241	65	23909	362	119		9654
1902	13791		249	67	23981	370	86		11584
1903	13974		176	42	23862	270	80		13476
1904	14170		194	52	23826	286	82		14544
1905	14382		199	58	24000	331	100		14682
1906	14111		191	56	23687	317	94		14424
Averages of Years 1897 to 1906	13744		210	64	24034	349	104		11224
1907	14337				23942				14401





Cases of infectious Disease

NOTIFIABLE DISEASES.	CASES NOTIFIED IN WHOLE				
	At all Ages.	At ages—Years			
		Under 1	1 to 5	5 to 15	15 to
Smallpox	—	—	—	—	—
Cholera	—	—	—	—	—
Diphtheria(including MembraneousCroup)	60	1	16	28	8
Erysipelas	61	—	—	No ages taken	
Scarlet Fever	190	4	34	111	31
Typhus Fever	—	—	—	—	—
Enteric Fever	25	—	2	6	11
Relapsing Fever	—	—	—	—	—
Continued Fever	—	—	—	—	—
Puerperal Fever	4	—	—	—	1
Plague	—	—	—	—	—
Totals	340	5	52	145	51

Isolation Hospitals—Raikes M

during the Year 1907.

TOTAL CASES NOTIFIED IN EACH LOCALITY.				NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.				Total cases removed to Hospital.
1 Hindpool.	2 Central.	3 Walney.	4 Eastern.	1 Hindpool.	2 Central.	3 Walney.	4 Eastern.	
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
15	24	10	11	—	—	—	—	—
16	23	9	13	—	—	—	—	—
58	72	32	28	1	1	2	2	6
—	—	—	—	—	—	—	—	—
8	10	3	4	—	—	—	—	—
—	—	—	—	1	—	1	—	2
—	—	—	—	—	—	—	—	—
1	1	—	2	—	—	—	—	—
—	—	—	—	—	—	—	—	—
98	130	54	58	2	1	3	2	

Road and Sheep Island Hospitals.

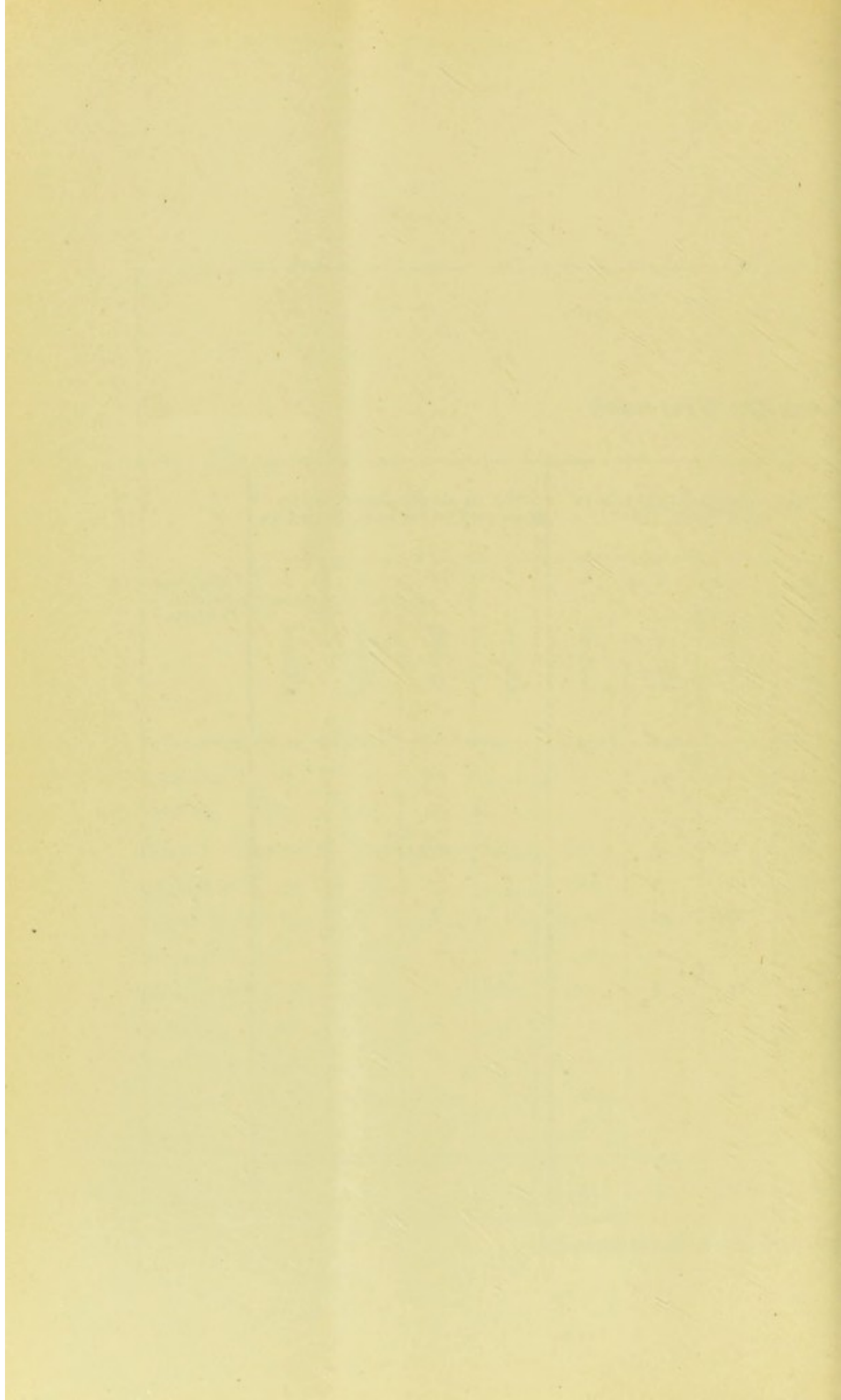


TABLE IV.
Causes of, and Ages at, Death during Year 1907.

CAUSES OF DEATH.	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.						DEATHS AT ALL AGES OF "RESIDENTS" BELONGING TO LOCALITIES, WHETHER OCCURRING IN OR BEYOND THE DISTRICT.					TOTAL DEATHS, WHETHER "RESIDENTS" OR "NON-RESI- DENTS" IN PUBLIC INSTITUTIONS IN THE DISTRICT.	
	All ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Hindpool	Central	Walney	Eastern		
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	35	8	25	1	—	1	—	8	12	8	7	—	—
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	25	11	13	1	—	—	—	7	10	3	5	—	—
Diphtheria and Membranous Croup	13	—	9	4	—	—	—	3	5	2	3	—	—
Croup	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhus	—	—	—	—	—	—	—	—	—	—	—	—	—
Fever ... { Typhus	5	—	—	—	3	2	—	3	1	1	—	—	1
{ Enteric	—	—	—	—	—	—	—	—	—	—	—	—	—
{ Other continued	—	—	—	—	—	—	—	—	—	—	—	—	—
	99	—	—	1	—	8	13	7	8	3	4	—	4

