

[Report 1913] / Medical Officer of Health, Blyth U.D.C.

Contributors

Blyth (Northumberland, England). Urban District Council.

Publication/Creation

1913

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To the Chairman and Members of the

BLYTH URBAN DISTRICT COUNCIL.

GENTLEMEN,

I have the honour to submit to you my first ANNUAL REPORT for the Year ending December 31st, 1913.

Your district situated on the East Coast of Northumberland, is bounded on the north by the River Blyth, which separates it from Bedlingtonshire :—on the East by the North Sea :—on the South and West it adjoins the Seaton Delaval, Cramlington and Bedlington Urban Sanitary Authorities, and is separated from the former by Meggie's Burn, and from the latter by the Horton Burn and Dene.

The general surface of the district is flat, the highest point above sea level being 168 feet, and thereby necessitating great care in the construction and provision of sewers, and their subsequent ventilation ; but, emptying as they do into tidal waters, they are accordingly tide-locked twice in every twenty-four hours, and as a result, sewer gas is very apt to find its way into the houses, unless the sewers are properly ventilated and well looked after, and this I have satisfied myself them to be, whenever the opportunity arises.

The sub-soil of the district is mainly of a clayey nature, and thereby retains a large percentage of the moisture that may fall, and, although our rainfall is comparatively speaking small, yet, with its close proximity to the sea, and the absence of high hills in our immediate neighbourhood, the soil retains its moisture for a considerable time, giving rise to a " mist or ground-fog," which is not beneficial to those of a rheumatic disposition.

The climate on the whole is bracing :—our prevailing wind being from the West, and although we have frequent storms from the North and East, which are very trying to those suffering from chest affections ;—with that exception there are no climatic conditions which give rise to any particular disease in the district.

Drainage of the Area :—As far as the surface drainage is concerned, the district is drained mainly by the tributaries of the River Blyth known as Cowpen Burn and Horton Burn on the North and West, and by the Link House Burn and Meggie's Burn on the South, these latter deliver direct into the North Sea.

The principal Industries of the district are (1) Coal-mining ; (2) Ship-building and Repairing.

To the Chairman and Members of the
BELTHER URBAN DISTRICT COUNCIL.

I have the honor to acknowledge the receipt of your letter of the 14th inst.

in relation to the proposed extension of the water supply to the district.

The Council has considered the matter and has decided to refer it to the

Committee on Public Works for their consideration and report.

I am, Sir, very respectfully,
Yours very truly,
J. H. [Signature]

Enclosed for you are the minutes of the Council meeting of the 14th inst.

and the report of the Committee on Public Works.

Very respectfully,
J. H. [Signature]

Blyth, being situated practically in the centre of the Northumberland Coal-field, is the natural outlet for the shipment of coal from that area. During the year 1913, four and three-quarter million tons of coal were shipped from the Port of Blyth, thereby constituting a record for the Port, and ranking as one of the leading coal-shipping ports in the country. With the further development of the harbour, and the increased facilities in course of construction by the Harbour Commissioners for the handling of coal, we may confidently expect in a few years that Blyth will continue to rank as one of the principal coal-shipping ports in the United Kingdom.

Ship-building and Repairing is carried on by the Blyth Ship-building Company, Ltd., and give employment to some fifteen hundred men and boys. The Company possess a well-equipped yard for new work, as well as five dry docks for repair work; their record for the past year for new and repair work, being one of the best in the annals of the firm.

A third industry was commenced some four years ago, viz.:—The Port of Blyth Fishing Co., Ltd., and gave employment to a large number of men, unfortunately in the beginning of the year, it was compelled to close down. However, with the splendid facilities offered by the Harbour Commissioners for the transshipment and rapid despatch of fish, it is confidently expected that in the near future, the industry will be revived.

The Herring Season of 1913, was the most successful in the annals of the trade in Blyth, upwards of 1000 hands being employed, but these people, being of a migratory population, and although doing good to the trade of the town, have no influence on the vital statistics of the area.

The character and habits of the inhabitants of the district are in the main satisfactory: with all his faults, the Northumbrian Miner is cleanly in his habits, both of his person and home, and especially with regard to his bath, and although none of the miners' houses are equipped with bathrooms, he uses his "tub" daily and systematically, and will compare most favourably with any other class of workmen with whom I have come in contact.

The other Industries of the district have a class of men quite up to the average of the British working man.

Infectious Diseases :—during the year 527 cases of Infectious Diseases were notified as having occurred in your area, viz. :—

Scarlet Fever	...	...	...	350
Typhoid Fever	...	...	...	22
Diphtheria	...	...	...	34
Erysipelas	...	...	...	43
Phthisis Pulmonalis	...	...	...	48
Tuberculosis (other organs)	...	...	...	30
				527

Deducting 78 cases of Tubercular Disease from the above total it leaves 449 cases of the first four mentioned.

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Scarlet Fever :—the cases were distributed as follows :

North Ward	...	...	40
South Ward	...	...	9
East Ward	...	...	107
West Ward	...	...	158
New Delaval Ward	...	...	36
Total			350

January	...	...	28
February	...	...	17
March	...	...	33
April	...	...	13
May	...	...	23
June	...	...	25
July	...	...	40
August	...	...	39
September	...	...	57
October	...	...	37
November	...	...	26
December	...	...	12
Total			350

The disease as seen from the above tables was endemic throughout the year, but during the months of July, August, September and October it became very prevalent, and more so in the East and West Wards, especially the latter. During that period the disease was prevalent all over the country, so that your area was not the only district attacked with it, and taking into consideration the difficulties that the inhabitants of your area have to contend with in regard to the complete isolation of the patient, we may congratulate ourselves that the disease did not become more epidemic than it did.

In connection with infectious disease, it is my opinion, that at times children are sent to school, when suffering from a mild attack of some infectious disease, with the result that other children are infected, and thus cases are multiplied.

I would therefore urge parents to seek medical advice on the slightest appearance of a rash on their children, although the rash may disappear after a few hours, yet it is quite possible, that the child has a mild attack of Scarletina, or some other Zymotic disease, such children should be excluded from school until certified free from disease by the medical attendant.

Thirty-eight patients were removed to the Isolation Hospital, and the benefits to be derived by their removal there, were seen by the fact, that when they were discharged cured, and returned to their homes, no second case occurred in the house. I am therefore convinced that only by complete isolation in a hospital can the disease be successfully handled.

(In the American and Canadian cities I visited some 4 years ago,—The Sanitary Authorities there, nail a red card on the door of each infected house, warning the inhabitants of the dangers of visiting the house, and the penalties incurred if this rule is transgressed. I would recommend this mode of procedure to your Authority as well worthy of a trial).

Journal of the American Medical Association

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The American Medical Association is a non-profit corporation organized for the purpose of promoting the interests of the medical profession and the public. It was founded in 1847 and has since that time been the leading organization of the medical profession in the United States. The Association is composed of more than 250,000 members, including physicians, dentists, and other health care professionals. It is organized into 51 state and territorial associations, each of which is responsible for promoting the interests of its members and the public in its respective jurisdiction. The Association is also responsible for the publication of the Journal of the American Medical Association, which is one of the most widely read and respected medical journals in the world.

The Association is organized into several departments, each of which is responsible for a specific area of the Association's activities. These departments include the Department of Education, the Department of Legislation, the Department of Public Relations, the Department of Research, and the Department of Statistics. Each department is headed by a director who reports to the Association's Executive Committee. The Executive Committee is the highest governing body of the Association and is responsible for the overall management and direction of the Association's activities.

The Association is also responsible for the publication of the Journal of the American Medical Association, which is one of the most widely read and respected medical journals in the world. The Journal is published weekly and contains a wide range of articles, including original research, clinical reports, and reviews. The Journal is also responsible for the publication of the American Medical Association's official position statements, which are widely cited in the medical literature. The Association is also responsible for the publication of the American Medical Association's official directory, which is a comprehensive listing of all the Association's members and their contact information.

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The disease was responsible for 9 deaths, and they were distributed as follows:—

6 cases in the East Ward.
3 cases in the West Ward.

Enteric or Typhoid Fever:—during the year 22 cases were reported as occurring in your area, viz.

North Ward	...	...	2
South Ward	...	...	3
East Ward	...	...	4
West Ward	...	...	4
New Delaval Ward	...	...	9
Total ...			22

The cases occurred during the following months:—

January	...	...	1
February	...	...	1
April	...	...	2
May	...	...	2
September	...	...	1
October	...	...	7
November	...	...	6
December	...	...	2
Total ...			22

No definite cause could be accounted for the disease, some of the cases probably being due to a sanitary defect, which was very promptly remedied, in others it was difficult to find the cause, but in no case could I trace any direct communication with the others.

Four cases were removed to the Isolation Hospital. Seven cases proved fatal, and the deaths were distributed as follows:—

2 cases in the East Ward.
1 case in the West Ward.
1 case in the South Ward.
3 cases in the New Delaval Ward.

Diphtheria (including Membranous Croup) 34 cases were notified as follows:—

North Ward	...	...	5
South Ward	...	...	2
East Ward	...	...	8
West Ward	...	...	8
New Delaval Ward	...	...	11
Total ...			34

They occurred during the following months:—

February	...	...	3
March	...	...	4
April	...	...	3
June	...	...	1
July	...	...	2
August	...	...	4
September	...	...	6
October	...	...	4
November	...	...	1
December	...	...	6
Total ...			34

This disease being distributed over the area I was unable to find any common cause, neither the milk nor the water being at fault, nor were the cases confined to any particular school or district.

Two cases (only) were removed to the Hospital, and this result is due in a great measure to the use of Antitoxin which is a specific for the disease, and it has greatly robbed it of its terrors. Although it would greatly increase the beneficial efforts put forth, if all the cases were completely isolated and not allowed to mingle with the healthy until quite free from infection. Antitoxin was supplied free to the medical practitioners when asked for.

(" In connection with this, might I suggest to the Medical Practitioners in the district that they should take advantage of the system established by the County Council of Northumberland by which the College of Medicine through its bacteriological department examines free of charge specimens from cases of Diphtheria, Typhoid Fever and Tuberculosis).

Four cases proved fatal, and were distributed as follows :—

1 case in the South Ward.
1 case in the East Ward.
1 case in the West Ward.
1 case in the New Delaval Ward.

Erysipelas :—43 cases were notified and occurred as follows :—

North Ward	...	...	9
South Ward	...	...	0
East Ward	...	...	19
West Ward	...	...	8
New Delaval Ward	...	...	7
Total ...			43
January	...	...	1
March	...	...	5
April	...	...	2
May	...	...	5
June	...	...	7
July	...	...	5
August	...	...	2
September...	...	...	6
October	...	...	3
November...	...	...	4
December	...	...	3
Total ...			43

One case from the North Ward was removed to the Hospital.

Measles :—This disease was prevalent all over the area during the first 6 months of the year, and with its pneumonic complications was responsible for 15 deaths. This is a disease which is looked upon by mothers as one which all children "ought to take" during their childhood, and is therefore looked upon as a trifling ailment with the result that in many cases no medical advice is sought until complications set in, and in many cases treatment is of no avail as will be seen from the statistical tables. Measles is responsible for 60 per cent of all the deaths due to Infectious Disease. I would therefore strongly urge all parents to seek Medical Advice on the first symptom of the disease and keep the child isolated until all danger is past.

The deaths were distributed as follows :—

2	cases in the	North Ward.
7	"	" East Ward.
2	"	" West Ward.
4	"	" New Delaval Ward.

I had no occasion to close any of the Schools, but all children from infected houses were excluded from attending the Infant Schools.

Whooping Cough:—was prevalent during the earlier months of the year all over the district and especially in the Bebside Area of the West Ward, and although the School averages were lowered, especially in the Infant Department I did not deem it necessary to close the School.

The Schools were regularly and systematically disinfected with a strong solution of Formalin, and all children suffering from this disease were excluded from attending school.

The disease with its pneumonic complications was responsible for 10 deaths, distributed as follows :—

1	case in the	North Ward.
1	"	" East Ward.
4	cases in the	West Ward.
4	"	" New Delaval Ward.

Diarrhœa:—was responsible for 25 deaths as against 13 deaths in 1912 and 17 deaths in 1910. This is partly accounted for in the very dry weather experienced during the summer months. The disease was very prevalent during the months of August and September, the fatalities being mainly in the latter month. 14 of the deaths were in children under 1 year. Early in July with your permission, I had printed and distributed throughout the area, handbills pointing out to the inhabitants the dangers of summer diarrhœa, and the preventative means to be taken relative to the preservation of the milk and the covering of all foodstuffs. With the dry weather experienced during the summer extra precautions were taken regarding the flushing of the drains and sewers, and the distribution of disinfectants. As time goes on I hope the inhabitants of your area will realise the dangers of this disease and more readily to adopt the preventative means and probably the advice and instructions given by the nurses of the District Nursing Association will be more helpful in the future and bear good fruit.

Tuberculosis:—during the year 78 cases were notified, viz.:—

(a) PHTHISIS PULMONALIS—48 cases, distributed as follows :—

North Ward	...	4
South Ward	...	3
East Ward	...	26
West Ward	...	8
New Delaval Ward	...	7
Total	...	48

(b) TUBERCULOSIS (other forms)—30 cases distributed as follows :—

North Ward	...	1
East Ward	...	15
West Ward	...	9
New Delaval Ward	...	5
Total	...	30

The cases occurred as follows :—

Phthisis Pulmonalis.			Tuberculosis (other forms)	
January	...	5	...	0
February	...	3	...	3
March	...	7	...	10
April	...	5	...	4
May	...	9	...	3
June	...	1	...	1
July	...	9	...	3
August	...	3	...	1
September	...	2	...	0
October	...	0	...	2
November	...	2	...	2
December	...	2	...	1
Total		48	... Total	30

27 deaths from Phthisis Pulmonalis and 21 deaths from Tuberculosis occurred and were distributed as follows .—

Phthisis Pulmonalis.			Tuberculosis.	
North Ward	...	5	...	3
South Ward	...	4	...	1
East Ward	...	10	...	10
West Ward	...	5	...	5
New Delaval Ward	...	3	...	2
Total		27	Total	21

Of 78 cases of Tubercular Disease notified during the year 48 cases had a fatal termination, that is 56 per cent.

This is a disease, which owing either to the difficulty of diagnosis (which need not be, bearing in view the bacteriological examination of the Sputum arranged by the County Council at the College of Medicine, Newcastle-on-Tyne), or a reluctance on the part of the Medical Attendant is, in the majority of cases only notified at an advanced stage of the disease when treatment is of no avail, but with the advent of the National Health Insurance Act, and the benefit to be derived from Sanatorium and domiciliary treatment, we may hope for a better state of things, especially as it is now an accomplished fact that the Northumberland County Council have undertaken to treat all sufferers from this disease whether insured or non-insured.

Death Rate—487 deaths were registered in the district during 1913, 5 deaths of non-residents occurred in your area, and 32 deaths of residents of the district occurred outside the district. The total number of deaths belonging to the district was therefore 514. This is the largest number of deaths which have been registered in the district during any one year. The Death Rate is 16.55 which is the highest for the past four years.

Infant Mortality—111 deaths of children under one year occurred during the year giving a death rate of 113.61 per 1000 births registered which is the lowest on record for the district, whilst we have every reason to congratulate ourselves on this. The death rate amongst young children is still too high. This might arise from various causes, such as insufficient knowledge in young married people of the dangers of pregnancy in the prenatal stage and therefore militating against the healthy condition of their offspring, and the exposing of young infants in the antinatal stage to the vitiated atmosphere of places of amusements, and thereby rendering them more susceptible to chest complaints, which are so often fatal in young children.

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Zymotic Death Rate—under this heading I include the Eruptive Fevers, Measles, Whooping Cough, Influenza and Epidemic Diarrhoea. 72 deaths from these diseases occurred in the district giving a death rate of 2.24. The causes of death were—Typhoid Fever 7; Scarlet Fever 9; Diphtheria 4; Measles 15; Whooping Cough 10; Influenza 2; Epidemic Diarrhoea 25.

Birth Rate—977 births were registered in the district, and 4 births were transferred to this district making the net number 981; of these 36 were illegitimate. The birth rate for the year is 32.15 which is practically the same as it has been during the past four years.

Water Supply :—The East and West Wards of your district have now got a good water supply. Your Authority having taken over the disused Hepscott Colliery, a complete set of pumping machinery has been installed; a new reservoir made, and with the bacteriological and chemical analysis of a series of samples of the water proving satisfactory for domestic use (the results of the examinations by Prof. Hutchens and Mr. Pattinson I append), the water was turned on and up to the present the supply has proved most satisfactory both as to quality and quantity.

The North and South Wards of your area continue to be supplied by the Newcastle and Gateshead Water Co., Ltd.

Common Lodging Houses :—of which there are four, were regularly visited during the year and everything found in order and in conformity with the Bye-Laws.

Slaughter Houses :—19 Slaughter Houses are registered and in regular use in your area. These were visited and inspected at regular periods, and were found as regards whitewashing and cleanliness to conform with your bye-laws, but it would facilitate matters and be more sanitary if they were all under one roof and your own property.

Bakehouses :—These have been carefully attended to, and when necessary to lime-wash and ventilate, notices were served on the owners.

Sewers and Drains :—are sufficient and efficient, and proper provision is made for ventilating and flushing.

Scavenging :—This is done entirely by your own staff and as the district is generally covered in twelve to fourteen days, it is rare that any complaint is received, and with the increasing number of water-closets provided especially in the town district, this is a material help to the scavenging, and now that your Council has got an adequate water supply, and the whole of the district being sewered, there is no reason, why the whole of the town area should not be changed from the privy to the water-carriage system, and I hope that the day is not far distant when that will be an accomplished fact. During the year 18 conversions have been made under Section 39 of the Public Health Amendment Act, 1907, in Soulsby's Yard and Clive Street, whilst 5 new water closets have been erected in Silver Street.

The disposal of the refuse should be considered: at present, part of it is being emptied into two disused brick yards in the South and West Wards; whilst the remainder is deposited on the fields of farmers in the district and is immediately ploughed in. This, to my mind, is derogatory to the health of the district and conducive to the annual plague of flies and the resultant pollution of food, &c., which in many cases is the origin and spread of various diseases such as Epidemic Diarrhoea, Typhoid Fever and other ailments. The most practical method of disposing of the town's refuse is *conveying it to Sea* and this method is well worthy of your consideration, the other alternative is to erect a *Refuse Destructor*, or in the providing of more tips in the district, the latter of which is always a nuisance to some one.

A Steam Disinfector is also required for the proper and efficient disinfecting of bulky articles, and it could be worked in conjunction with the destructor.

Sale of Food and Drugs Act :—No action under this Act was taken during the year.

Dairies, Cowsheds and Milkshops :—There are 19 Cowsheds registered in your area in these are kept 200 cows. They are kept in a good state of cleanliness, the limewashing and general removal of the manure being regularly attended to. The Dairies and Milkshops, where the milk sold is imported from farms outside your area are also kept up to a high standard, every care being observed to ensure the milk being delivered in a pure state.

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Schools—during the year I considered it necessary to close the Infant School at Bebside one week prior to the Midsummer Holidays for an outbreak of Scarlet Fever. I made a personal visit to practically every infected house in that district, and ably backed up by your officials we succeeded in stamping out the disease in three or four months. My method of dealing with notifiable infectious disease is to at once inform the Sanitary Inspector together with the School Attendance Officer who assists in excluding the children from the infected house from School, and does not readmit until he receives information that the infected house has been disinfected and is free from infection.

The main roadways in your area are maintained in an excellent condition, but the roads in the colliery districts are during the winter months in a deplorable condition, and some means of improving these roads should receive the early consideration of the Council.

The most urgent needs of the district are :—

- (1) Disposal of Town's Refuse.
- (2) General adoption of Water Carriage System together with the abolition of Ashpits.
- (3) Steam Disinfector.
- (4) Improvements in the roadways in the Colliery districts.

The usual tables are appended with this report.

I have to express my indebtedness to Mr. Grieves, Surveyor, and Mr. Fawcett, Sanitary Inspector, for their very able assistance. Their reports shew the large amount of work which has been done in their departments during the year.

Copies of this Report will be sent to the Local Government Board, the Home Office, and the Northumberland County Council.

I have, Gentlemen, the honour to be,

Your obedient servant,

JAMES MORTON MacLACHLAN, M.B., C.M.,

Medical Officer of Health.

THE
JOURNAL
OF
THE
AMERICAN
MEDICAL
ASSOCIATION
PUBLISHED WEEKLY
CHICAGO, ILL., U.S.A.

Subscription price, Five Dollars Per Annum in Advance.
Single Copies, Fifteen Cents.

Entered as Second-Class Matter, May 2, 1902, under Post Office
No. 383, Post Office at Chicago, Ill., under Act of October
3, 1917. Accepted for mailing at special rate of postage provided
for in Act of October 3, 1917, authorized on July 1, 1920.
Postage paid at Chicago, Ill., and at additional mailing offices.
Postmaster: Send address changes in advance.

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Printed at the Chicago Press, Chicago, Ill.

Subscription orders, notices of change of address, and all
communications should be sent to the Editor, American Medical
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BLYTH URBAN DISTRICT COUNCIL.

SUMMARY OF WORK done in the SURVEYOR'S DEPARTMENT during the Year ended March 31st, 1914.

Streets and Roads. The following Private Street Works were carried out, viz. :—The making of Wharton Street, Newsham, Princess Louise Road from Princess Gardens to the Subway, Dalmatia Terrace, Bohemia Terrace, Columbia Terrace and Arcadia Terrace, and the Back Streets in connection therewith; Rosemary Terrace (front and back), New Post Office Street, Back Bridge Street, Back Marine Terrace (portion of), Kitty Brewster and Bell's Row.

The Public Street and Road Work included the tar-macadamizing of Freehold Street, portion of Bowes Street, and many Back Streets within the District. The Links Road was re-surfaced with tar macadam, and the footpath kerbed and asphalted.

A considerable improvement was effected by the widening of the main road at the Links House. The road from Links House to South Newsham, and Hathery Lane were also re-surfaced.

Waterworks. In the EAST AND WEST Wards 130 lineal yards of four-inch, and 290 lineal yards of three-inch Water Mains were laid, including the fixing of one four-inch and 8 three-inch Sluice Valves and 25 Fire Hydrants. 27 services and stop-cocks were laid for the supply of water to new premises.

In the NORTH AND SOUTH Wards 60 lineal yards of six-inch, 6 lineal yards of four-inch, and 105 lineal yards of three-inch Water Mains were laid, including the fixing of one six-inch, 2 four-inch, and 4 three-inch Sluice Valves, and 4 Fire Hydrants. 42 services and stop-cocks were laid in.

NEW DELAVAL Ward. 50 lineal yards of three-inch Water Mains were laid, and one three-inch Sluice Valve and one Fire Hydrant fixed. 3 service pipes and stop-cocks were laid in.

Sewerage. The twenty-four-inch diameter South Blyth Storm-water Sewer was extended for a length of 140 yards, and 4 new manholes built. 30 lineal yards of nine-inch Sewers were laid in Alexandra Crescent and one new manhole built.

Lighting. Additional Street Lamps were erected as follows :—North and South Wards, 6; East and West Wards, 16; and New Delaval Ward 12; bringing the total number of Public Street Lamps within the district to 987—969 being of 80 candle power and 18 of 300 c.p.

Pleasure Grounds. At Ridley Park 650 super. yards of footpath were top-coated with asphalte, and 1100 super. yards were tar-sprayed. The stone pitching round the Lake was repaired, and lockers fixed in the Bowls House.

Newsham Recreation Ground was acquired, and enclosed with a creosoted redwood military fence.

Cemeteries. In dealing with the additional acres of land acquired for the extension of Cowpen Cemetery, it has been necessary to divert the water-course which ran through the centre of it. This has involved the construction of a Culvert thirty-six inches in diameter and 290 yards in length, also the construction of 340 lineal yards of six-inch Sewer and 11 manholes. The ground has been under-drained and levelled up. 970 super. yards of footpath were asphalted in the older portion of the Cemetery. Plans and estimates have been prepared for the extension of Blyth Cemetery.

Building Plans. 45 Building Plans were submitted to, and approved of, by the Council, viz. :—One for laying out new streets, 22 for the erection of new dwelling houses (representing 87 houses in all), 12 for alterations and additions to dwelling houses, and 10 for miscellaneous buildings, including a Primitive Methodist Church, a Factory, Stores, Workshops, Stables, &c.

The number of dwelling houses erected and certified as fit for habitation was, in the North and South Wards, 29; East and West Wards, 15; and New Delaval Ward, 2. Total 46.

ROBERT GRIEVES,

SURVEYOR.

IN THE SUPREMACY COURT OF THE DISTRICT OF COLUMBIA

SUMMARY OF WORK done in the SURVEYOR'S DEPARTMENT
During the Year ended March 31st 1914.

The Surveyor's Department has been organized since the year 1800, and has since that time been engaged in the surveying of the public lands of the United States. The Department has been organized into three divisions, the Surveying Division, the Mapping Division, and the Office of the Surveyor General.

The Surveying Division is the largest of the three divisions, and is engaged in the surveying of the public lands. It is organized into three sections, the Surveying Section, the Mapping Section, and the Office of the Surveyor General.

The Mapping Division is engaged in the mapping of the public lands. It is organized into two sections, the Mapping Section, and the Office of the Surveyor General.

The Office of the Surveyor General is engaged in the management of the public lands. It is organized into two sections, the Surveying Section, and the Mapping Section.

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INSPECTOR OF NUISANCES' ANNUAL REPORT.

To the Chairman, Vice-Chairman and Members.

Gentlemen,

I beg to submit to you my Annual Report for the year ending December 31st, 1913.

Scavenging of House Refuse.—The work of this department has been satisfactorily carried out. The ash-pits throughout your area have been cleansed 28 times during the year, which gives an average of 13 days between visits. During the year 30,863 loads have been dealt with; compared with last year this is an increase of 704 loads, and works out approximately at one load per head per annum of the total population.

Disposal of Refuse.—One-fourth of the total refuse dealt with has been deposited at the Blyth Brickworks Clay Quarry, at a point about 350 yards distant from the nearest dwelling-house, 3,500 loads have been tipped at the disused Model Brickworks, Cowpen, and the remainder has been put upon agricultural land at the several farms within the district, and every care has been observed to prevent any nuisance being caused at any of the deposits. The blown paper has been regularly gathered and burned, and the surface of the refuse is, as far as possible, being covered with road sweepings or other suitable material. The ashes that have been deposited on the land were ploughed in as soon as possible, thus effectually preventing any nuisance occurring so far as land tips are concerned. Considerable difficulty continues to be experienced in procuring convenient tips in the outlying parts of the district, particularly in the Bebside parish. The deposits available in the town area are gradually diminishing, and the question of other means of disposal will have to be decided upon in the near future.

Infectious Disease has been prevalent in the district during the whole year. In all, there have been 405 houses affected, including cases of phthisis. A liberal supply of disinfectants, together with instructions to be observed to prevent the spread of the disease, were left at each infected house. Acting on instructions received from the Medical Officer of Health, 45 cases were removed to the Isolation Hospital. 350 houses have been sprayed with a 4 per cent. Formalin Solution or disinfected with Sulphume after the recovery of the patients, or on their removal to hospital.

Conversions from Privies to Water Closets.—There has been a slight increase in the number of conversions from privies to water closets during the year, still the number remains very much below what is required if the district is to be changed from the privy system to that of water carriage, within a reasonable period. In all 18 conversions have taken place. Five of these have been carried out at Soulsby's Yard, Clive Street, Cowpen Quay, under Section 39 of the Public Health Amendment Act, 1907, whereby the Council pays one half of the cost of conversion, and I am pleased to report that the new type of sanitary convenience is very much appreciated by the tenants. I have made regular inspections and have always found them clean and satisfactory in every respect. In addition 5 new water closets have been erected at the owner's cost at Smith's property, Silver Street (inspected under the Housing and Town Planning Act, 1909); these are likewise being kept in a sanitary condition, and are a credit to the occupying tenants. Both of these properties are occupied by tenants of the labouring class, which goes to prove that they appreciate sound, modern sanitary conveniences when they are provided for them. Now that the Council has got an adequate water supply, and the whole of the district being sewered, there is no reason from a practical standpoint why the whole of the town area should not be changed from the privy to the water carriage system within a reasonable period. The difficulties are, I think, entirely on the financial side of the question.

BLYTH URBAN DISTRICT COUNCIL

REPORT OF THE COMMISSIONER OF THE DISTRICT

To the Blyth Urban District Council

1911-12

I have the honor to acknowledge the receipt of your letter of the 10th inst.

1911

I have the honor to acknowledge the receipt of your letter of the 10th inst.

I have the honor to acknowledge the receipt of your letter of the 10th inst.

I have the honor to acknowledge the receipt of your letter of the 10th inst.

I have the honor to acknowledge the receipt of your letter of the 10th inst.

Dairies, Cow Sheds and Milk Shops.—19 persons are registered as Cowkeepers in your area, the number of cows kept being 200. During the year the cow sheds and premises occupied by purveyors of milk have been regularly inspected, and the necessary limewashing and cleansing have been carried out in compliance with the Cow Sheds and Dairies Regulations.

New Houses Erected.—189 new dwelling houses have been added to the register during the past year. This compares favourably with the number registered during the previous 12 months, when 167 new houses were added. In the new houses built the water carriage system has been adopted in every instance. I have applied the smoke test to all the drains, in connection with which an inspection chamber fitted with an intercepting trap has been built. The ground surface under the floor has been covered with a layer of concrete. The whole of the houses have been erected by local builders, and they are quite up to the usual high standard of dwelling house that has been erected in your area during recent years. Owing to the failure of the fishing industry which was established three years ago, and the consequent exodus of the employees of the Company, there was a considerable number of empty houses in the district at the early part of the year, particularly at Crofton, where 50 houses had been built specially for the accommodation of the fishermen and their families. These houses are again all occupied by a good class of tenant. This shows that while there is not a serious dearth of houses in the district, there is a considerable demand for houses of a type suitable to the needs of an industrial population. At the end of the year there were 6673 dwelling houses in the district, 5789 of which are under £16 gross rental, and 893 over that amount.

Factories and Workshops.—There are 147 Factories and Workshops on the Factories and Workshops register. The names and number of the several trades are as follows:—

Bakehouses	...	...	...	12
Dressmakers, Milliners	...	...	...	13
Tailors, etc.	...	...	...	10
Joiners, Cabinet Makers and Cartwrights	...	...	...	24
Printers, etc.	...	...	...	5
Engineers and Smiths	...	...	...	13
Mineral Water Manufacturers	...	...	...	3
Plumbers and Gasfitters	...	...	...	8
Boot and Shoe Makers and Repairers	...	...	...	12
Laundries	...	...	...	2
Painters and Decorators	...	...	...	6
Saddlers	...	...	...	3
Fish Curers	...	...	...	32
Other Trades	...	...	...	5

147

The several premises have been frequently inspected, and the following notices have been served during the year:—

To improve Sanitary Conveniences	...	...	1
To limewash Sanitary Conveniences	...	...	4
To limewash Bakehouses	...	...	2
To ventilate Bakehouses	...	...	1
To cleanse Workshop	...	...	1

Slaughter Houses.—19 Slaughter Houses are on the register and in regular use in your area. Hitherto some difficulty has been experienced by the several occupiers of Slaughter Houses to procure lime for limewashing purposes. This has now been remedied by the Council storing a quantity of lime for this purpose, and the occupiers of Slaughter Houses will always be able to procure sufficient for their needs on application to the Council's Storekeeper. Extracts from the Bye-Laws with respect to the dates for limewashing, and general cleansing of Slaughter Houses, have been printed, and a copy handed to each occupier. All refuse from Slaughter Houses, after being collected by the occupier, is removed by the Council's staff at regular intervals.

1870

1871

1872

1873

1874

1875

1876

1877

1878

1879

Common Lodging Houses.—There are four registered Common Lodging Houses in the district, which are kept in a satisfactory state of cleanliness. With one exception they are fitted with water-closets. The general scavenging, etc., receives frequent attention. The occupiers, who are mainly migratory, evidently enjoy very good health, as only one case of infectious disease (Erysipelas) has been notified as occurring in the Lodging Houses during the year. This case was removed to Hospital, and the room immediately sprayed with a strong solution of formalin and kept closed for one week before being again occupied.

Fumigating Rooms in Schools.—At the request of the Education Authority the whole of the schools in the district were thoroughly disinfected during the Christmas and Midsummer vacations. A strong solution of formalin was used for spraying; the rooms were also fumigated with sulphure.

Inspection of District.—Housing and Town Planning Act, 1909.—Whilst carrying out my general inspection of the district I have had occasion to serve 83 notices for the abatement of nuisances and improvements to properties.

Under the Housing and Town Planning Act I have inspected and recorded in the register of houses inspected particulars of 69 houses; of these 58 were found to be in fair repair and reasonably fit for habitation. 11 of the houses were found to need repairs, particularly with respect to the sanitary conveniences, outbuildings and yards. The ashpits and privies at these properties were entirely removed, and 5 new water-closets erected. The yards were re-paved with cement concrete, and galvanised iron ash bins provided for dry refuse. One house at Cowpen was entirely re-roofed, had new floors laid, the kitchen range was renewed, and the sanitary conveniences were rebuilt.

During the years 1912 and 1913 the Cowpen Coal Company has improved a considerable number of the cottages provided for their workmen in various parts of the district. The improvement has been effected by building a substantial scullery-kitchen at the back of the several cottages. The new erections have in a number of cases taken the place of temporary sheds which appeared to have been erected by the several householders. Each new kitchen is provided with a fire-place and set-pot, the floors are cement concrete, and they are fairly well lighted. The comfort and convenience of the householders has been very much added to by these additions to the houses. The improvements have been carried out at the following places:—

Cowpen Row ..	...	...	30 Cottages.
Station Row, Newsham	...	...	28 "
Brick Row, "	...	...	30 "
Stone Row, "	...	...	24 "
Single Row, South Newsham	...	...	28 "
Double Row, " "	...	...	34 "

174

Five Cottages at South Newsham have been altered from 4-roomed Cottages to two Cottages of 2 rooms each. This is to be regretted, as there are always plenty of workmen with large families employed upon collieries that require houses of the former class. The greatest defect in connection with the older type of colliery house is the inadequate bedroom accommodation that is provided for the miner and his family.

I am, Gentlemen,

Your obedient Servant,

JOHN FAWCETT.

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The Bacteriological Laboratory,
College of Medicine,
Newcastle-on-Tyne,
24th November, 1913.

DEAR DR. MACLACHLAN,

Herewith I send you the results of the examinations of a series of samples of water taken from Hepscott and Bebside for the purpose of determining the bacterial contents of the two waters, and also for the purpose of comparing the filtered with the unfiltered water.

It would appear that the Hepscott water improved in quality as regards its content of bacteria during the period the samples were taken—24th Sept., 1913, 30th Oct., 1913—and that on the last two occasions no objection whatever could be raised to the quality of the water on that score. The filtered water is not quite so good in comparison.

Yours very truly,

H. J. HUTCHENS.

Public Analysts' Laboratory,
10 Dean Street,

Newcastle-on-Tyne,

December 2nd, 1913.

We hereby certify that we have analysed the undermentioned samples of Water and that we find the following results :—

Samples marked respectively " No. 1 " and " No. 2."

	" No. 1."	" No. 2."
Total solid matters in solution, dried at 212° F.	37·800	35·420 grains per gal.
Chlorine existing as Chlorides	... 1·464	1·812 do.
Ammonia	... 0·018	0·003 do.
Albuminoid Ammonia	... 0·005	0·004 do.
Nitrogen existing as Nitrates	.. 0·010	0·010 do.
Oxygen absorbed in 15 minutes at 80° F.	... not determined.	
" 4 hours	... 0·026	0·021 do.
Lead and other Poisonous Metals	... none.	none.
Hardness before boiling, Dr. Clark's scale		
after boiling 1 hour	... not determined.	
Appearance in two-foot tube	... opalescent.	Colourless and clear.
Smell when heated to 100° F.	... none.	none.
Microscopical examination of Sediment	...	

This is a hard water, but in regard to the presence of organic impurity it is satisfactory, and is in our opinion suitable for drinking.

The sample taken direct from the pit (No. 1) contains a considerable amount of ammonia ; but we attribute this, from our examination of the supply down the pit in 1908, to the reducing action of iron compounds on some of the nitrates originally in the water. The sample still contains a notable amount of hydrated ferric oxide in suspension, but no iron compounds in solution.

The effect of storage and filtration is seen in the diminution of the free ammonia, as well as in the perfect clearness of the No. 2 sample and its complete freedom from suspended iron compounds.

J. & H. S. PATTINSON.

Dr. J. Morton MacLachlan, Medical Officer of Health, Blyth.

The Bacteriological Laboratory,

College of Medicine,

Newcastle-on-Tyne.

Results of the examination of a series of samples of water taken at Hepscoth Pit and after filtration at Bebside. 24th September—30th October, 1913.

HEPSCOTT PIT.						AFTER FILTRATION AT BEBSIDE.					
	Colon Bacillus Test.	Strapto- cocci.	Bacillus Enteritidis Test.	Total Numbers.		Colon Bacillus Test.	Strapto- cocci.	Bacillus Enteritidis Test.	Total Numbers.		
				37 o. c.	20 o. c.				37 o. c.	20 o. c.	
24 ix. 13	" Atypical " Organisms in 100 c.c. Negative in 10 c.c.	Nil.	Nil.	3	70 Liquified in two days.	" Atypical " Organisms in 100 c.c. and in 10 c.c.	Nil.	Nil.	One large colony overgrew plate.	50	
8 x. 13	100 c.c. " Typical." 10 c.c. Negative.	Nil.	Nil.	One large colony overgrew plate.	20	100 c.c. " Typical." 10 c.c. Negative.	Nil.	Nil.	9	80	
22 x. 13	Negative.	Nil.	Nil.	2	20	" Atypical " Organisms in 100 c.c. 10 c.c. Negative.	Nil.	Nil.	3	20	
30 x. 13	Negative.	Nil.	Nil.	8	10	100 c.c. " Atypical " Organisms. 10 c.c. Negative.	Nil.	Nil.	5	30	

H. J. HUTCHENS.

BLYTH URBAN DISTRICT COUNCIL.

TABLE IIIa.—Allocation of Zymotic and Tubercular Deaths
to Sub-Districts, 1913.

	NORTH WARD.		SOUTH WARD.		EAST WARD.		WEST WARD.		NEW DELAVAL WARD.	
1. Enteric Fever ...	...		1		2		1		3	
2. Small-pox ...	...		...		...		...		...	
3. Measles ...	2		...		7		2		4	
4. Scarlet Fever ...	...		...		6		3		...	
5. Whooping Cough ...	1		...		1		4		4	
6. Diphtheria and Croup	...		1		1		1		1	
9. Phthisis ...	5		4		10		5		3	
10. Tuberculous Meningitis	...		...		...		...		...	
11. Other Tuberculous Diseases ...	3		1		10		5		2	
	Under 2 yrs.	2 yrs. and above	Under 2 yrs.	2 yrs. and above	Under 2 yrs.	2 yrs. and above	Under 2 yrs.	2 yrs. and above	Under 2 yrs.	2 yrs. and above
19. Diarrhoea and Enteritis	...	...	2	1	12	4	5	...	...	...

BLYTH URBAN DISTRICT COUNCIL

TABLE III.—Allocation of Expenditure and Receipts for the Year 1913.

Item	North Ward	South Ward	East Ward	West Ward	Total
1. Salaries and Wages	...	...	...	...	...
2. Rates	...	...	...	...	...
3. Taxes	...	...	...	...	...
4. Interest	...	...	...	...	...
5. Depreciation	...	...	...	...	...
6. Repairs	...	...	...	...	...
7. Fuel	...	...	...	...	...
8. Light	...	...	...	...	...
9. Water	...	...	...	...	...
10. Telephone	...	...	...	...	...
11. Postage	...	...	...	...	...
12. Printing	...	...	...	...	...
13. Stationery	...	...	...	...	...
14. Travelling	...	...	...	...	...
15. Refreshment	...	...	...	...	...
16. Entertainment	...	...	...	...	...
17. Public Health	...	...	...	...	...
18. Police	...	...	...	...	...
19. Fire	...	...	...	...	...
20. Education	...	...	...	...	...
21. Libraries	...	...	...	...	...
22. Parks and Recreation	...	...	...	...	...
23. Cemeteries	...	...	...	...	...
24. Burial	...	...	...	...	...
25. Sewerage	...	...	...	...	...
26. Drainage	...	...	...	...	...
27. Street Cleansing	...	...	...	...	...
28. Public Works	...	...	...	...	...
29. Buildings	...	...	...	...	...
30. Furniture	...	...	...	...	...
31. Transport	...	...	...	...	...
32. Miscellaneous	...	...	...	...	...
33. Reserve	...	...	...	...	...
34. Contingencies	...	...	...	...	...
35. Total	...	...	...	...	...

Table X.

BLYTH URBAN DISTRICT COUNCIL.

1913

Year.	NORTH WARD.				SOUTH WARD.				EAST WARD.				WEST WARD.				NEW DELAVAL WARD.							
	Population.	Births (nett).	Deaths (nett).	Deaths under 1 year.	Population.	Births (nett).	Deaths (nett).	Deaths under 1 year.	Population.	Births (nett).	Deaths (nett).	Deaths under 1 year.	Population.	Births (nett).	Deaths (nett).	Deaths under 1 year.	Population.	Births (nett).	Deaths (nett).	Deaths under 1 year.	Population.	Births (nett).	Deaths (nett).	Deaths under 1 year.
1913	4432	105	54	5	3418	75	20	7	15451	523	233	77	6084	69	15	...	2366	54	73	3				

ВРАЧЪ ИСКУСЪ ИСКУСЪ

(Table I.)

Vital Statistics of Whole District during 1913 & previous Years in

BLYTH URBAN DISTRICT.

YEAR.	Population estimated to middle of each year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS, KI			NETT DEATHS BELONGING TO THE DISTRICT.					
		Un-corrected Number.	Number.		Rate.	Number.	Rate.	Of Non-Residents registered in the District.		Of Residents not registered in the District.	Under 1 Year of age.		At all Ages.		
			X	4				X	8		O	10	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3			5	6	7								
1908	27477	910		910	33.11	416	15.13	2	9	135	148.3	423	15.39		
1909	28011	955		955	34.09	494	17.63	4	8	153	160.2	498	17.77		
1910	28545	919		919	32.19	391	13.69	0	9	129	140.3	400	14.01		
1911	28405	910		914	32.17	415	14.61	3	28	138	150.9	440	15.45		
1912	31351	1008		1013	32.31	440	14.03	9	35	118	116.48	466	14.86		
1913	32066	977		977	33.15	487	15.16	5	32	111	113.61	514	16.01		

NOTES.—This Table is arranged to show the gross births and deaths in the district, and the births and deaths properly belonging to it with the corresponding rates. For years before 1911 some of the corrected rates probably will not be available. The rates should be calculated per 1000 of the estimated gross population. In the district in which large Public Institutions for the sick or infirm seriously affect the statistics, the rates in columns 5 and 13 may be calculated on a net population, obtained by deducting from the estimated gross population the average number of inmates not belonging to the district in such institutions.

o In column 6 are to be included the whole of the deaths registered during the year as having actually occurred within the district. In column 12 is to be entered the number in column 8, corrected by subtraction of the number in column 8 and by addition of the number in column 9. Deaths in column 10 are to be similarly corrected by subtraction of the deaths under 1, included in the number given in Column 8, and by addition of the deaths under 1, included in the number given in column 9.

x The Medical Officer of Health will be able from the returns made to him by the local Registrar of Deaths, as well as from the quarterly lists furnished by the Registrar-General, to fill in column 8 in accordance with the rule in the next paragraph below. The Registrar-General either directly or through the County Medical Officer of Health, will supply the Medical Officer of Health with the particulars of deaths to be entered in Column 9, and all such deaths must be included in this column, unless an error is detected and its correction has been accepted by the Registrar-General. For column 4 the Registrar-General will furnish to the Medical Officer of Health a statement of the number of births needing to be added to or subtracted from the total by the local Registrar.

k "Transferable Deaths" are deaths of persons who, having a fixed or usual residence in England or Wales, die in a district other than that in which they resided. The deaths of persons without fixed or usual residences, e.g., casuals, must not be included in columns 8 or 9, except in certain instances under 3 (b) below. The Medical Officer of Health will state in column 8 the number of transferable deaths of "non-residents" which are to be deducted, and will state in column 9 the number of deaths of "residents" registered outside the district which are to be added in calculating the net death-rate of his district.

The following special cases arise as to transferable deaths:—

(1) Persons dying in Institutions for the sick or infirm, such as hospitals, lunatic asylums, workhouses, and nursing homes (but not almshouses) must be regarded as residents of the district in which they had a fixed or usual residence at the time of admission. If the person dying in an Institution had no fixed residence at the time of admission, the death is not transferable. If the patient has been directly transferred from one such institution to another, the death is transferable to the district of residence at the time of admission to the first Institution.

(2) The deaths of infants born and dying within a year of birth in an Institution to which the mother was admitted for her confinement should be referred to the district of fixed or usual residence of the parent.

(3) Deaths from Violence are to be referred (a) to the district of residence, under the general rule; (b) if this district is unknown, or the deceased had no fixed abode, to the district where the accident occurred, if known; (c) falling this, to the district where the body was found.

Total population at all ages, 30,620; number of inhabited houses, 5,819; average number of persons per house, 5.3; at census, 1911. Area of district in acres (land and inland water) 4509.

ВІСНИК НАВЧАЛНИХ ЗАДАЧ

ВІСНИК НАВЧАЛНИХ ЗАДАЧ

1957

№	Вісник	Навчальні задачі	Вісник	Навчальні задачі
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50
51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
60	60	60	60	60
61	61	61	61	61
62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
65	65	65	65	65
66	66	66	66	66
67	67	67	67	67
68	68	68	68	68
69	69	69	69	69
70	70	70	70	70
71	71	71	71	71
72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
75	75	75	75	75
76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86
87	87	87	87	87
88	88	88	88	88
89	89	89	89	89
90	90	90	90	90
91	91	91	91	91
92	92	92	92	92
93	93	93	93	93
94	94	94	94	94
95	95	95	95	95
96	96	96	96	96
97	97	97	97	97
98	98	98	98	98
99	99	99	99	99
100	100	100	100	100

Table II.—Cases of Infectious Disease notified during the year 1913 in

BLYTH URBAN DISTRICT.

NOTIFIABLE DISEASE	NUMBER OF CASES NOTIFIED.								TOTAL CASES NOTIFIED IN EACH LOCALITY. (e.g. Parish or Ward) of the District,							Total cases removed to Hospital.
	At all Ages.	At Ages †—Years.							1	2	3	4	5	6	7	
		Under 1.	1 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.	North Ward.	South Ward.	East Ward.	West Ward.	New Delaval Ward.			
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
†Cholera (C) Plague (P)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous croup)	34	7	20	3	4	...	...	...	5	2	8	8	11	...	...	2
Erysipelas	43	1	4	9	13	16	...	...	9	...	19	8	7	...	...	1
Scarlet Fever	350	2	102	236	9	1	...	...	40	9	107	158	36	...	...	38
Typhus Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	22	1	5	9	5	2	...	...	2	3	4	4	9	...	...	4
†Relapsing Fever (R)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever (C)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	48	...	3	5	13	17	7	3	4	3	26	8	7	...	...	...
Other forms of Tuberculosis	30	1	6	14	6	2	1	...	1	...	15	9	5	...	...	...
*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	527	12	140	276	50	38	8	3	61	17	179	195	75	...	...	45

NOTES.—State in space below the name and position within or without the district of the isolation hospital or hospitals, sanatoria other institutions to which the residents in the district, suffering from infectious disease, have usually been sent, and the name of the authority by whom the hospital is provided,

* This space may be used for record of other diseases the notification (compulsory or voluntary) of which is in force in the district.

† These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

‡ Specify the disease by initial against the figure.

Port Sanitary Hospital within district provided by B.P.S.A.

Isolation Hospital do. do. B.U.D.C.

Table III.—Causes of, and Ages at Death during the Year 1913 in

BLYTH URBAN DISTRICT.

CAUSES OF DEATH.		Net Deaths at the subjoined Ages of "Residents" whether occurring within or without the District,									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District.
		All Ages.	Under 1 year	1 and under 2	2 and under 5 years	5 and under 15 y'rs	15 and under 25 y'rs	25 and under 45 y'rs	45 and under 65 y'rs	65 and upwards.	
1	2	3	4	5	6	7	8	9	10	11	
All causes } Certified (c)...	479	110	40	20	28	21	65	76	119	...	
Uncertified ...	8	1	1	...	...	...	...	3	3	...	
Enteric Fever ...	7	...	...	1	2	1	2	1	...	...	
Small Pox ...	...	...	...	...	...	...	...	...	...	...	
Measles ...	15	8	4	1	2	...	...	...	...	...	
Scarlet Fever ...	9	...	1	3	3	2	...	...	...	...	
Whooping Cough ...	10	3	4	2	1	...	...	...	...	...	
Diphtheria and Croup ...	4	...	...	2	2	...	...	...	...	...	
Influenza ...	2	...	...	...	...	...	1	...	1	...	
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	
Phthisis (Pulmonary Tuberculosis) ...	27	...	...	1	...	5	13	6	2	2	
Tuberculosis Meningitis ...	3	...	1	...	2	...	...	...	...	2	
Other Tuberculosis Diseases ...	21	4	5	1	5	1	4	1	...	1	
Cancer, malignant disease ...	20	...	...	...	...	...	2	9	9	2	
Rheumatic Fever ...	1	...	...	...	1	...	...	...	...	...	
Meningitis ...	15	8	3	1	1	...	1	1	...	...	
Organic Heart Disease ...	55	...	1	...	1	3	7	22	21	1	
Bronchitis ...	29	7	3	2	...	...	1	5	11	1	
Pneumonia (all forms) ...	30	3	5	1	1	5	8	3	4	...	
Other diseases of respiratory organs ...	4	...	...	...	...	...	...	1	3	...	
Diarrhoea and Enteritis ...	25	14	9	1	...	...	...	1	...	...	
Appendicitis and Typhlitis ...	...	...	...	...	...	...	...	...	...	...	
Cirrhosis of Liver ...	2	...	...	...	...	...	...	2	...	...	
Alcoholism ...	...	...	...	...	...	...	...	...	...	...	
Nephritis & Brights Disease...	11	...	...	...	1	...	3	4	3	3	
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	
Other accidents & diseases of Pregnancy and Parturition ...	6	4	...	...	...	...	2	...	...	...	
Congenital Debility and Malformation, including Premature Birth ...	43	43	...	...	...	...	...	...	...	1	
Violent Deaths, excluding Suicide ...	23	...	1	2	2	2	12	3	1	5	
Suicide ...	1	...	...	...	...	...	...	1	...	1	
Other Defined Diseases ...	115	17	4	1	3	2	9	13	66	12	
Diseases ill-defined or unknown ...	9	...	...	1	1	...	...	6	1	1	
Totals	487	111	41	20	28	21	65	79	122	...	

Table IV.—Infant Mortality during the year 1913 in
BLYTH URBAN DISTRICT.

Nett Deaths from stated Causes at various Ages under 1 year of age.

CAUSE OF DEATH.		Under 1 week	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 year.
All causes	{ Certified	32	4	2	3	41	18	13	32	16	110
	{ Uncertified	...	...	...	...	..	..	...	1	...	1
Small-pox ...		...	...	..	...	...	...	...	...	...	...
Chicken-pox ..		...	...	...	...	...	...	...	...	...	...
Measles ...		...	...	...	...	...	1	...	2	5	8
Scarlet Fever ...		...	...	...	...	...	...	...	...	...	...
Whooping-Cough ...		...	...	...	...	...	...	...	3	...	3
Diphtheria and Croup ...		...	...	...	...	...	...	...	...	...	...
Erysipelas ...		...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...		...	...	...	...	...	...	2	1	...	3
Abdominal Tuberculosis ...		...	...	...	...	...	1	...	...	...	1
Other Tuberculous Diseases ...		...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous) ...		2	...	...	...	2	3	...	...	3	8
Convulsions ...		...	...	...	...	...	...	2	2	2	6
Laryngitis ...		...	...	...	...	...	...	...	...	...	...
Bronchitis ...		...	...	...	2	2	1	2	1	1	7
Pneumonia (all forms) ...		...	...	...	...	...	...	2	...	1	3
{ Diarrhoea ...		...	...	...	...	...	...	1	4	1	6
{ Enteritis ...		...	...	...	...	...	2	1	4	1	8
Gastritis ...		...	...	...	...	...	...	...	...	...	...
Syphilis ...		...	...	...	...	...	1	...	...	...	1
Rickets ...		...	...	...	...	...	...	...	...	...	...
Suffocation overlying ...		...	...	...	...	...	1	...	...	...	1
Injury at Birth ..		3	1	...	...	4	...	...	...	...	4
Atelectasis ...		...	...	...	...	...	...	...	...	...	...
{ Congenital Malformations (c)		...	...	...	...	...	...	...	1	...	1
{ Premature Birth ...		7	1	...	...	8	...	...	...	...	8
{ Atrophy, Debility and Marasmus ...		16	2	2	1	21	6	3	2	1	33
Other Causes ...		4	...	...	...	4	2	...	3	1	10
Totals ...		32	4	2	3	41	18	13	23	16	111

Nett Births in the year : Legitimate, 943 ; Illegitimate, 34. Nett Deaths in the year : Legitimate Infants, 106 ;
Illegitimate Infants 5.

ANNALS OF THE DISTRICT

OF THE DISTRICT OF COLUMBIA

SIXTH URBAN DISTRICT

OF THE DISTRICT OF COLUMBIA

NAME	AGE	SEX	COLOUR	RELATION	DATE
JOHN	25	M	W	H	1880
MARY	22	F	W	W	1880
JOHN	20	M	W	S	1880
MARY	18	F	W	D	1880
JOHN	15	M	W	S	1880
MARY	12	F	W	D	1880
JOHN	10	M	W	S	1880
MARY	8	F	W	D	1880
JOHN	6	M	W	S	1880
MARY	4	F	W	D	1880
JOHN	2	M	W	S	1880
MARY	1	F	W	D	1880

TABLE V.

1. Inspection of Factories, Workshops and Workplaces.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises. 1	Number of		
	Inspections, 2	Written Notices 3	Prosecutions 4
Factories (including Factory Laundries)	9	Nil.	Nil.
Workshops (including Workshop Laundries)	47	Nil.	Nil.
Workplaces (other than Outworkers' premises)	19	Nil.	Nil.
TOTAL	75	Nil.	Nil.

2. Defects found in Factories, Workshops and Workplaces.

			Number of Defects, Found. Remedied.
Want of Cleanliness	...	...	1 1
Want of Ventilation	...	...	1 1
Other Nuisances	...	...	7 7
Total	...	...	9 9

3. Home Work.

Nil.

4. Registered Workshops.

Workshops on the Register (s. 131) at the end of the year. 1	Number. 2
Bakehouses	12
Dressmakers and Milliners	13
Tailors, &c.	10
Joiners and Cabinetmakers	24
Printers	5
Engineers and Smiths	13
Mineral Water Manufacturers	3
Plumbers	8
Boot and Shoemakers	12
Laundries	2
Painters	6
Saddlers	3
Fish Curers	32
Other Trades	5
Total number of workshops on Register	148

TABLE IV

1. Distribution of Number of Workshops and Workplaces
 by Industry and by Size of Establishment

Industry	Number of Workshops	Number of Workplaces
Manufacturing	1,234	15,678
Construction	567	8,901
Transportation	345	4,567
Commerce	210	3,456
Services	189	2,345
Other	123	1,234
Total	2,668	36,181

Size of Establishment	Number of Workshops	Number of Workplaces
1-9	1,234	15,678
10-49	567	8,901
50-99	345	4,567
100-499	210	3,456
500-999	189	2,345
1,000 and over	123	1,234
Total	2,668	36,181

State	Number of Workshops	Number of Workplaces
Alabama	123	1,234
Arkansas	45	567
California	234	3,456
Colorado	67	890
Connecticut	89	1,012
Delaware	23	234
District of Columbia	12	123
Florida	156	1,789
Georgia	178	2,012
Idaho	34	456
Illinois	345	4,567
Indiana	210	2,345
Iowa	123	1,456
Kansas	98	1,123
Kentucky	76	890
Louisiana	145	1,678
Maine	45	567
Maryland	67	789
Massachusetts	189	2,123
Michigan	234	2,678
Minnesota	156	1,789
Mississippi	67	789
Missouri	210	2,345
Montana	34	456
Nebraska	56	678
Nevada	23	234
New Hampshire	45	567
New Jersey	189	2,123
New Mexico	34	456
New York	345	4,567
North Carolina	123	1,456
North Dakota	23	234
Ohio	234	2,678
Oklahoma	67	789
Oregon	45	567
Pennsylvania	234	2,678
Rhode Island	34	456
South Carolina	67	789
South Dakota	23	234
Tennessee	123	1,456
Texas	234	2,678
Vermont	23	234
Virginia	123	1,456
Washington	156	1,789
West Virginia	45	567
Wisconsin	123	1,456
Wyoming	23	234
Total	2,668	36,181

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LIST OF MEMBERS.

Members appointed by Blyth Council.

C. HUNTER, Esq., (Chairman).

W. T. B. FOX, Esq.

T. GALLACHER, Esq.

GEO. E. TYNEMOUTH, Esq.

C. BARRON, Esq.

A. R. TINWELL, Esq.

D. KELLY, Jun., Esq.

GEO. NEWSTEAD, Esq.

J. H. MARSHALL, Esq.

Members appointed by Bedlington Council.

GEO. BAKER, Esq.

THOS. DODDS, Esq.

JAS. ROBSON, Esq.

H. T. RUTHERFORD, Esq., Clerk to Authority

J. M. MacLACHLAN, M.B.C.M., (Glas.) Medical Officer.

Mr. J. J. HARRIS, Sanitary Inspector.

LIST OF MEMBERS

Members of the Society

1881-1882

1. A. B. BAKER	2. J. H. BAKER
3. J. H. BAKER	4. J. H. BAKER
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73. J. H. BAKER	74. J. H. BAKER
75. J. H. BAKER	76. J. H. BAKER
77. J. H. BAKER	78. J. H. BAKER
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97. J. H. BAKER	98. J. H. BAKER
99. J. H. BAKER	100. J. H. BAKER

Members of the Society

1883-1884

1. J. H. BAKER

2. J. H. BAKER

Members of the Society

1885-1886

1. J. H. BAKER

TO THE CHAIRMAN AND MEMBERS

River Blyth Port Sanitary Authority.

BLYTH, March 13th, 1914.

GENTLEMEN,—I have the honour to present to you my Annual Report for the year ending December 31st, 1913.

During the year, 3079 vessels other than fishing boats arrived in the port, and although a systematic and careful lookout was kept on all arrivals, no case of infectious disease came under my notice, the weekly return sent by the Local Government Board being most helpful in this matter.

The trade of the port remains as formerly, chiefly the export of coal, and the import of wood goods, which are mainly used for coal mining operations, nearly five million tons of coal, constituting a record for the port, being exported during the year, and thereby establishing Blyth as one of the leading coal exporting ports in the country. And when the contemplated alterations and increased facilities for handling coal are completed in the upper reaches of the harbour, we may anticipate a large increase in the shipment of coal and a corresponding increase in the trade of the port. During the year the imports of foodstuffs were practically nil, and in no case was it necessary to take action under The Public Health (Regulation of Food) Act, 1907.

In the early part of the year, The Port of Blyth Fishing Company ceased operations, and with the dismantling of their premises there are no immediate prospects of that industry being revived. As a compensation for the failure of that industry, the herring fishing in 1913 was the most successful in the annals of the trade in Blyth, and although the season only lasts for two or three months, the large number of 359 herring boats worked out of the port, making 4530 entries, and with 258 entries by drifters made a grand total of 4788 entries during the season.

WATER SUPPLY—The water boats were inspected and found satisfactory, but the majority of the vessels are supplied by the Blyth and Bedlington Urban District Authorities.

The water supply of all ships from infected and suspected ports were carefully attended to, and when necessary the tanks were emptied, cleaned, and a fresh supply taken.

The number of vessels from suspected ports was 2.

I made 19 special visits to vessels and found no trace of infectious disease.

ISOLATION HOSPITAL— During the year 45 cases of Infectious Disease were admitted to the Hospital, viz :—

Scarlet Fever	-	-	-	-	38
Typhoid Fever	-	-	-	-	4
Diphtheria	-	-	-	-	2
Erysipelas	-	-	-	-	1
					45

Of the 45 patients admitted, 41 recovered and were discharged cured, 2 died (one Typhoid and one Scarlet). 2 patients (Typhoid Fever) were inmates on 31st December, 1913.

All the cases, with the exception of 1 case (Scarlet Fever), were sent in by the officials of the Blyth Urban District Council.

I append the usual tables and express my indebtedness to the Harbour Commissioners, and their Secretary, Mr. Baldwin.

Copies of this report will be sent to the Local Government Board and the Northumberland County Council.

I am, Gentlemen,

Your obedient servant,

JAMES MORTON MacLACHLAN, M.B.C.M.

Medical Officer of Health.

I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the matter of the 1st inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

I am, Sir, very respectfully,
Your obedient servant,
J. M. Smith

Very respectfully,
J. M. Smith

For the same, with a view to the same, I have the honor to inform you that the same has been forwarded to the proper authorities for their consideration.

I am, Sir, very respectfully,
Your obedient servant,
J. M. Smith

Very respectfully,
J. M. Smith

I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the matter of the 1st inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

I am, Sir, very respectfully,
Your obedient servant,
J. M. Smith

Very respectfully,
J. M. Smith

HOSPITAL TABLE, 1913.

No.	DATE.	INITIALS.	AGE.	RESIDENCE.	DISEASE.	BY WHOM SENT.	DATE OF DISCHARGE.	RESULT.
1	Jan. 22nd	E. B.	8	62 Sidney Street, Blyth.	Scarlet Fever.	B. U. D. C.	March 8th, 1913	Cured
2	" 22nd	E. B.	6	" "	do.	do.	" "	do
3	April 2nd	E. G.	10	18 Barnard Street, Blyth.	do.	do.	May 9th,	do
4	" 2nd	G. G.	5	" "	do.	do.	May 1st,	do
5	" 8th	E. W.	9	19 Back Havelock Street, Blyth	do.	do.	May 16th,	do
6	" 16th	R. T.	8	29 Bowes Street, Blyth	do.	do.	June 19th	do
7	" 24th	I. F.	28	29 Delaval Terrace, Blyth	Enteric Fever	do.	Died April 28th	Died.
8	" 26th	W. O.	20	32 Brick Row,	do.	do.	Discharged on request May 7th	
9	May 13th	A. J.	45	Jubilee House,	Erysipelas	do.	August 30th	Cured
10	" 30th	D. S.	7	29, William Street, Blyth	Scarlet Fever	do.	July 3rd	do
11	June 16th	E. M.	5	Harper Street, Blyth	do.	do.	July 24th	do
12	" 16th	D. M.	4	" "	do.	do.	July 24th	do
13	" 17th	F. B.	6	4 Delaval Terrace, Blyth	do.	do.	August 30th	do
14	" 26th	I. R.	5	Hall's Farm,	do.	do.	July 24th	do
15	" 4th	J. R.	6	Front Street, Bebside.	do.	do.	August 13th	do
16	July 5th	N. A.	5	15 Kitty Brewster Square	do.	do.	August 27th	do
17	" 14th	F. M. S.	5	South Farm, Bebside	do.	do.	August 16th	do
18	" 14th	A. E. S.	5	" "	do.	do.	August 23rd	do
19	" 14th	G. L. S.	7	" "	do.	do.	August 23rd	do
20	Aug. 17th	B. M.	7	1 Double Row, Cowpen	do.	do.	October 2nd	do
21	" 18th	A. J. S.	21	3 Poplar Cottage, e, Corton, Suffolk	do.	R. B. P. S. A.	Died August 22nd	Died.
22	" 21st	E. C.	5	12 William Street, Blyth	do.	B. U. D. C.	October 2nd	Cured
23	" 26th	S. M. B.	9	10 Dixon's Buildings, Cowpen	do.	do.	October 7th	do
24	" 26th	A. M.	4	1 Double Row, Cowpen	do.	do.	October 4th	do
25	" 28th	I. C. C.	11	10 Grainger Street, Blyth	Diphtheria	do.	September 27th	do
26	" 28th	M. McD.	11	20 Dixon's Buildings, Cowpen	Scarlet Fever	do.	October 5th	do
27	" 30th	R. C.	9	6 Tweedy Street, Blyth	do.	do.	October 5th	do
28	Sept. 8th	G. McD.	4	20 Dixon's Buildings, Cowpen	do.	do.	October 23rd	do
29	" 20th	V. Mc. F.	13	38 High Street, Blyth	do.	do.	November 1st	do
30	" 20th	G. C.	7	6 Tweedy Street, Cowpen	do.	do.	November 1st	do
31	" 22nd	M. Mc. F.	10	38 High Street, Blyth	do.	do.	November 1st	do
32	" 23rd	E. J.	10	18 West Row, Bebside	do.	do.	November 1st	do
33	" 30th	J. L.	6	16 Percy Street, Blyth	do.	do.	November 1st	do
34	Oct. 2nd	N. S.	9	9 Tate Street, Blyth	Diphtheria	do.	October 22nd	do
35	" 2nd	H. B.	8	6 Brick Row, Bebside Furnace	Scarlet Fever	do.	November 8th	do
36	" 2nd	W. B.	5	" "	do.	do.	November 8th	do
37	" 2nd	H. B.	4	" "	do.	do.	November 1st	do
38	" 6th	J. B.	12	" "	do.	do.	November 12th	do
39	" 8th	J. D.	44	Old Gate, Bebside Furnace	do.	do.	November 12th	do
40	" 9th	A. P.	11	Thoroton Cottage, Blyth	do.	do.	November 12th	do
41	" 30th	G. D.	6	Link House, Blyth	do.	do.	November 8th	do
42	Nov. 18th	M. G.	7	Double Row, Isabella Pit	do.	do.	December 22nd	do
43	" 19th	E. S.	8	4 Back Phoenix Street, Newsham	do.	do.	December 22nd	do
44	" 20th	O. M.	9	106 Disraeli Street, Blyth	do.	do.	December 22nd	do
45	Dec. 13th	M. M.	24	9 Woodbine Terrace, Blyth	Enteric Fever	do.		do

1871

TABLE OF SICKNESS.

Date.	Name of Vessel.	Rig.	Arrived from.	Rating of Patients.	Nationality.	Nature of Sickness.
January 2nd	Natalie	S.S.	Ghent	Seaman	Russian	Catarrh
February 5th	Harrisborg	do.	Aarhuus	Seaman	Danish	Catarrh
6th	Frankford	do.	Tyne	Seaman	German	Injured head
11th	Southgarth	do.	Hartlepool	Fireman	British	Fell down stokehold
17th	Dora	do.	Stockholm	Fireman	Swedish	Catarrh
March 12th	Viking	do.	Goole	Seaman	Swedish	Rheumatism
1st	Spring	do.	Drammen	Fireman	Norwegian	Catarrh
18th	St. Olaf	do.	Sannesund	Fireman	Norwegian	Catarrh
June 17th	Kirkoswald	do.	London	Steward	British	Rheumatism
18th	Ruth	do.	Seydisfjord	Fireman	Swedish	Injured Leg
July 9th	General Suworow	do.	Ghent	Carpenter	Russian	Catarrh
11th	Ester	do.	Hull	Fireman	Swedish	Ulcerated Leg
11th	E.A.B. L. H. 137	S.D.	Fishing ground	Fisherman	British	Fell overboard and drowned
18th	Grimaby, H. 529	do.	Fishing ground	Fisherman	British	Fell overboard and drowned
30th	Adriatic	S.S.	Capatina	2 Firemen	British	Catarrh
August 13th	Hidalgo	S.W.	Sandefjord	1st Engineer	Norwegian	Fell overboard and drowned
18th	Girl Ena, Lt. 3	S.D.	Fishing ground	Fisherman	British	Scarlet Fever
September 28th	La Norwege	S.S.	Havre	1st Engineer	Norwegian	Catarrh
28th	Contessa Adelpa	do.	Rotterdam	Mess-room Boy	Austrian	Catarrh
28th	Contessa Adelpa	do.	Rotterdam	Cook	Austrian	Retention of Urine
29th	Livinia Westoll	do.	Rotterdam	Apprentice	British	Broken Leg
October 3rd	Saint Ronald	do.	Amsterdam	Seaman	British	Cystitis
29th	Darac	do.	Middlesbro'	Fireman	French	Catarrh
November 14th	Belorossia	do.	Rotterdam	Fireman	Russian	Rheumatism
17th	Penistone	do.	Stockton	Apprentice	British	Fell overboard and drowned
December 20th	Craigendoran	do.	Boulogne	1st Engineer	British	Died at sea

ANNUAL REPORT OF SANITARY INSPECTOR.

No. of British and Foreign Vessels arrived during the year :—

	Foreign	Coastwise.	Total.
British Steam	264	620	884
British Sailing.....	Nil	77	77
Foreign Steam.....	1252	728	1980
Foreign Sailing	18	36	54
			2995
British Steam Trawlers and Drifters			657
Foreign Steam Trawlers			17
			3669
Register Tonnage	2,207,881		

No. of Vessels found defective in structural arrangements and sanitary defects.

VESSELS.	Structural Arrangements.		Sanitary Defects.		Total.
	Foreign.	Coastwise.	Foreign.	Coastwise.	
British Steam	15	13	24	35	87
British Sailing	Nil	Nil	Nil	4	4
Foreign Steam	Nil	Nil	69	44	113
Foreign Sailing	Nil	Nil	4	4	8
					212

STRUCTURAL DEFECTS.

Overhead beams and deck not covered causing damp beds and forecandle	-	-	1
Leakage in forecandles causing damp forecandles	-	-	4
Defective side ports in forecandles	-	-	25
Defective stoves causing smoky forecandles	-	-	4
			34

SANITARY DEFECTS.

Forecandles not clean	-	-	91
Drinking water unfit for use	-	-	2
Deck water closets not clean	-	-	80
Bilges not clean	-	-	2
Fumigating of vessels	-	-	2
Decks not clean	-	-	1
			178

The following table classifies the vessels arriving according to nationality—

Nationality.	No. of Vessels.
British	961
Norwegian	841
Danish	308
Swedish	316
German	282
Russian	155
Dutch	38
French	37
Belgian	34
Spanish	10
Greek	6
Austrian	5
Italian	2
	2995

J. J. HARRIS, Sanitary Inspector.

ANNUAL REPORT OF SALARY INSPECTOR

for the year ending 31st March 1901

Year	Salaries	Gratuities	Retirements	Other
1900	100	10	5	5
1901	110	12	6	6
1902	120	14	7	7
1903	130	16	8	8
1904	140	18	9	9
1905	150	20	10	10
1906	160	22	11	11
1907	170	24	12	12
1908	180	26	13	13
1909	190	28	14	14
1910	200	30	15	15

The following table shows the salaries of the various classes of officers and employees during the year.

Salaries of Officers and Employees during the year.

Salaries of Officers and Employees during the year.

Salaries of Officers and Employees during the year.

Salaries of Officers and Employees during the year.

Salaries of Officers and Employees during the year.

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Salaries of Officers and Employees during the year.

Salaries of Officers and Employees during the year.

Salaries of Officers and Employees during the year.

BLYTH HARBOUR.

COAL AND COKE EXPORTS COASTWISE AND OVERSEA (BY VESSELS WHICH
CLEARED DURING THE YEARS SHOWN).

DESTINATION.	1913				1912	Increase	Decrease
	Large	Small	Coke	Total	Total		
CARGOES & PART CARGOES—	Tons	Tons	Tons	Tons	Tons	Tons	Tons
Coastwise	309461	23128	55	332644	373769		41125
Russia	950480	59465	2131	1012076	723121	288955	
Norway	325774	260222	2862	588858	594301		5443
Sweden	269878	112840	268	382986	343629	39357	
Denmark, Iceland and Færoe Islands	363619	52482	3410	419511	340029	79482	
Germany	426633	378892		805525	747451	58074	
Holland	6357	5007		11364	28710		17346
Belgium	23404	26919		50323	65983		15660
France	170842	119222		290064	225712	64352	
Spain and Gibr al ar	64538	6148	1017	71703	70404	1299	
Portugal	2014			2014	17433		15419
Italy and Malta	113282	3432	1076	117790	105495	12295	
Bulgaria, Austria, Turkey and Greece	121846	7391	1780	131017	85640	45377	
Algeria, Egypt and African Ports ...	49271	641	758	50670	43527	7143	
South America	16318			16318	23279		6961
North America and West Indies ...	3733	31	92	3856	508	3348	
India	15019	402		15421		15421	
	3232469	1056222	13449	4302140	3788991	513149	
BUNKERS shipped by laden and partly laden vessels	333856	12038		345894	294002	51892	
BUNKERS ONLY.							
Trading Vessels	48112	1933		50045	42003	8042	
Fishing Vessels, Tugs, etc.	32417	890		33307	63133		29826
River Craft (including local Tugs)	7104	3951		11055	9898	1157	
	3653958	1075034	13449	4742441	4198027	544414	

RUSSIAN HYPER

RUSSIAN HYPER

DATE	DESCRIPTION	AMOUNT	BALANCE
1911	...	...	...
1912	...	...	...
1913	...	...	...
1914	...	...	...
1915	...	...	...
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BLYTH HARBOUR.
COAL SHIPMENT AT BLYTH.
 (FROM STAITHS ONLY).

PERIOD.					1913	1912	1911	Increase 1913 compared	Decrease with 1912.
January	...	...	...	...	371383	339763	326072	31620	
February	...	...	...	...	393077	377397	341366	15680	
March	...	...	...	...	339269	10092	397954	329177	
April	...	...	...	...	415065	239348	231633	175717	
May	...	...	...	...	412732	438755	416383		26023
June	...	...	...	...	405537	388862	347389	16675	
First Half-year					2337063	1794217	2160797	542846	
July	...	...	..	...	427854	449187	384759		21333
August	...	...	...	...	385901	430475	340370		44574
September	...	...	..	...	399748	406371	372703		6623
October	...	...	...	...	425438	425218	389180	220	
November	...	...	...	...	371624	384759	389453		13135
December	...	..	...	...	384300	306703	387683	77597	
Second Half-year					2394865	2402713	2264148		7848
Year					4731928	4196930	4424945	534998	

PREVIOUS YEARS.

YEAR	TONS.	YEAR.	TONS.	YEAR.	TONS.
1883	150248	1894	2672418	1905	3755139
1884	394600	1895	2485159	1906	3882172
1885	533477	1896	2561745	1907	3946084
1886	576917	1897	2760519	1908	4037787
1887	615448	1898	3124391	1909	4047862
1888	1041037	1899	3314826	1910	4180171
1889	1381267	1900	3279051	1911	4424945
1890	1756055	1901	3219537	1912	4196930
1891	2092889	1902	3343376	1913	4731928
1892	2180837	1903	3400617		
1893	2366943	1904	3536853		

DAYTON HARBOR AND BAY AT DAYTON (CONTINUED)

Station	Depth	Bottom	Direction	Force	Time
1	10	Sand	N	10	10
2	15	Mud	N	15	15
3	20	Sand	N	20	20
4	25	Mud	N	25	25
5	30	Sand	N	30	30
6	35	Mud	N	35	35
7	40	Sand	N	40	40
8	45	Mud	N	45	45
9	50	Sand	N	50	50
10	55	Mud	N	55	55
11	60	Sand	N	60	60
12	65	Mud	N	65	65
13	70	Sand	N	70	70
14	75	Mud	N	75	75
15	80	Sand	N	80	80
16	85	Mud	N	85	85
17	90	Sand	N	90	90
18	95	Mud	N	95	95
19	100	Sand	N	100	100
20	105	Mud	N	105	105
21	110	Sand	N	110	110
22	115	Mud	N	115	115
23	120	Sand	N	120	120
24	125	Mud	N	125	125
25	130	Sand	N	130	130
26	135	Mud	N	135	135
27	140	Sand	N	140	140
28	145	Mud	N	145	145
29	150	Sand	N	150	150
30	155	Mud	N	155	155
31	160	Sand	N	160	160
32	165	Mud	N	165	165
33	170	Sand	N	170	170
34	175	Mud	N	175	175
35	180	Sand	N	180	180
36	185	Mud	N	185	185
37	190	Sand	N	190	190
38	195	Mud	N	195	195
39	200	Sand	N	200	200
40	205	Mud	N	205	205
41	210	Sand	N	210	210
42	215	Mud	N	215	215
43	220	Sand	N	220	220
44	225	Mud	N	225	225
45	230	Sand	N	230	230
46	235	Mud	N	235	235
47	240	Sand	N	240	240
48	245	Mud	N	245	245
49	250	Sand	N	250	250
50	255	Mud	N	255	255
51	260	Sand	N	260	260
52	265	Mud	N	265	265
53	270	Sand	N	270	270
54	275	Mud	N	275	275
55	280	Sand	N	280	280
56	285	Mud	N	285	285
57	290	Sand	N	290	290
58	295	Mud	N	295	295
59	300	Sand	N	300	300
60	305	Mud	N	305	305
61	310	Sand	N	310	310
62	315	Mud	N	315	315
63	320	Sand	N	320	320
64	325	Mud	N	325	325
65	330	Sand	N	330	330
66	335	Mud	N	335	335
67	340	Sand	N	340	340
68	345	Mud	N	345	345
69	350	Sand	N	350	350
70	355	Mud	N	355	355
71	360	Sand	N	360	360
72	365	Mud	N	365	365
73	370	Sand	N	370	370
74	375	Mud	N	375	375
75	380	Sand	N	380	380
76	385	Mud	N	385	385
77	390	Sand	N	390	390
78	395	Mud	N	395	395
79	400	Sand	N	400	400
80	405	Mud	N	405	405
81	410	Sand	N	410	410
82	415	Mud	N	415	415
83	420	Sand	N	420	420
84	425	Mud	N	425	425
85	430	Sand	N	430	430
86	435	Mud	N	435	435
87	440	Sand	N	440	440
88	445	Mud	N	445	445
89	450	Sand	N	450	450
90	455	Mud	N	455	455
91	460	Sand	N	460	460
92	465	Mud	N	465	465
93	470	Sand	N	470	470
94	475	Mud	N	475	475
95	480	Sand	N	480	480
96	485	Mud	N	485	485
97	490	Sand	N	490	490
98	495	Mud	N	495	495
99	500	Sand	N	500	500
100	505	Mud	N	505	505

PREVIOUS RECORDS

Station	Depth	Bottom	Direction	Force	Time
1	10	Sand	N	10	10
2	15	Mud	N	15	15
3	20	Sand	N	20	20
4	25	Mud	N	25	25
5	30	Sand	N	30	30
6	35	Mud	N	35	35
7	40	Sand	N	40	40
8	45	Mud	N	45	45
9	50	Sand	N	50	50
10	55	Mud	N	55	55
11	60	Sand	N	60	60
12	65	Mud	N	65	65
13	70	Sand	N	70	70
14	75	Mud	N	75	75
15	80	Sand	N	80	80
16	85	Mud	N	85	85
17	90	Sand	N	90	90
18	95	Mud	N	95	95
19	100	Sand	N	100	100
20	105	Mud	N	105	105
21	110	Sand	N	110	110
22	115	Mud	N	115	115
23	120	Sand	N	120	120
24	125	Mud	N	125	125
25	130	Sand	N	130	130
26	135	Mud	N	135	135
27	140	Sand	N	140	140
28	145	Mud	N	145	145
29	150	Sand	N	150	150
30	155	Mud	N	155	155
31	160	Sand	N	160	160
32	165	Mud	N	165	165
33	170	Sand	N	170	170
34	175	Mud	N	175	175
35	180	Sand	N	180	180
36	185	Mud	N	185	185
37	190	Sand	N	190	190
38	195	Mud	N	195	195
39	200	Sand	N	200	200
40	205	Mud	N	205	205
41	210	Sand	N	210	210
42	215	Mud	N	215	215
43	220	Sand	N	220	220
44	225	Mud	N	225	225
45	230	Sand	N	230	230
46	235	Mud	N	235	235
47	240	Sand	N	240	240
48	245	Mud	N	245	245
49	250	Sand	N	250	250
50	255	Mud	N	255	255
51	260	Sand	N	260	260
52	265	Mud	N	265	265
53	270	Sand	N	270	270
54	275	Mud	N	275	275
55	280	Sand	N	280	280
56	285	Mud	N	285	285
57	290	Sand	N	290	290
58	295	Mud	N	295	295
59	300	Sand	N	300	300
60	305	Mud	N	305	305
61	310	Sand	N	310	310
62	315	Mud	N	315	315
63	320	Sand	N	320	320
64	325	Mud	N	325	325
65	330	Sand	N	330	330
66	335	Mud	N	335	335
67	340	Sand	N	340	340
68	345	Mud	N	345	345
69	350	Sand	N	350	350
70	355	Mud	N	355	355
71	360	Sand	N	360	360
72	365	Mud	N	365	365
73	370	Sand	N	370	370
74	375	Mud	N	375	375
75	380	Sand	N	380	380
76	385	Mud	N	385	385
77	390	Sand	N	390	390
78	395	Mud	N	395	395
79	400	Sand	N	400	400
80	405	Mud	N	405	405
81	410	Sand	N	410	410
82	415	Mud	N	415	415
83	420	Sand	N	420	420
84	425	Mud	N	425	425
85	430	Sand	N	430	430
86	435	Mud	N	435	435
87	440	Sand	N	440	440
88	445	Mud	N	445	445
89	450	Sand	N	450	450
90	455	Mud	N	455	455
91	460	Sand	N	460	460
92	465	Mud	N	465	465
93	470	Sand	N	470	470
94	475	Mud	N	475	475
95	480	Sand	N	480	480
96	485	Mud	N	485	485
97	490	Sand	N	490	490
98	495	Mud	N	495	495
99	500	Sand	N	500	500
100	505	Mud	N	505	505

BLYTH HARBOUR.

NUMBER OF COAL LADEN VESSELS CLEARED OUTWARDS,

Classified according to Quantities of Cargo Loaded.

CLASSIFICATION.		1913.			1912.			In-crease.	De-crease.
Tons	Tons not ex-ceeding	Whole Cargo and Bunkers No.	Whole Cargo only No.	TOTAL No.	Whole Cargo and Bunkers No.	Whole Cargo only No.	TOTAL No.		
	500	132	98	230	129	95	224	6	
501	1000	423	28	451	405	29	434	17	
1001	1500	488	24	512	506	19	525		13
1501	2000	404	11	415	412	20	432		17
2001	2500	424	14	438	332	15	347	91	
2501	3000	254	6	260	185	7	192	68	
3001	3500	141	3	144	134	5	139	5	
3501	4000	42	1	43	34	1	35	8	
4001	4500	19		19	19		19		
4501	5000	25	4	29	15	2	17	12	
5001	5500	19		19	19		19		
5501	6000	18		18	6		6	12	
6001	6500	12		12	10		10	2	
6501	7000	2		2	4	1	5		3
7001	7500	5		5	1		1	4	
7501	8000	1		1	1		1		
8001	8500								
		2409	189	2598	2212	194	2406	192	
PART CARGO and Bunkers ...				35			20	15	
PART CARGO only ...				20			11	9	
BUNKERS only—									
Trading Vessels ...				242			231	11	
Fishing Vessels ...				1729			1716	13	
Strange Tugs ...				9			19		10
Mission Ships ...				2				2	
Steam Yachts ...				2				2	
				4637			4403	234	

BLYTH HARBOUR.

IMPORTS OF GENERAL GOODS COASTWISE AND OVERSEA.

DESCRIPTION OF Goods.		1913.					1912.	INCREASE.	DECREASE.
		COASTWISE.	RUSSIA.	SWEDEN.	DENMARK.	TOTALS.	TOTALS.		
Beer	Cases			110		110	150		40
Candles	"			2		2		2	
Coal	Tons	75				75	235		160
FISH—White	"	3682				3682	5976		2294
Salted	"						60		60
Herrings Fresh ...	Crans.	50515				50515	14564	35951	
Do. Pickled ...	Barrels	766				766	564	202	
Salmon	lbs.	894				894		894	
Sardines & Anchovies	Cases			13		13		13	
Hay and Straw ...	Tons.			2		2		2	
IRON AND IRON GOODS									
Boilers & Machinery	"	6				6	197		191
Cable Chains ...	"	32				32		32	
Steel Rails	"	180				180	792		612
Scrap Iron	"	102				102	4	98	
Preserves	Cases.			13	16	29	65		36
Salt	Tons.	2008				2008	110	1898	
Slates	"	160				160	547		387
STONES									
Kerb and Setts ...	"	382				382	410		28
Whinstone Chippings	"	420				420	1189		769
Gravel	"	257				257	413		156
WOOD AND WOOD GOODS									
Bobbins & Roundings	"						4		4
Empty Casks ...	Number	65749				65749	2455	63294	
Mining Timber ...	Loads		21366	10313		31679	22193	9486	
Deals, Battens, Boards and other Timber		226	3899	4460		8585	8651		66
Doors	Number			510		510	420	70	
Oars	"			39		39	68		29
Matches	Cases.			2		2		2	

MILYH HANBOLU

OFFICE OF GENERAL INVESTIGATION AND CONTROL

No.	Date	Particulars		Total	Balance
		Debit	Credit		
1	1901	100		100	
2	1902	200		200	
3	1903	300		300	
4	1904	400		400	
5	1905	500		500	
6	1906	600		600	
7	1907	700		700	
8	1908	800		800	
9	1909	900		900	
10	1910	1000		1000	
11	1911	1100		1100	
12	1912	1200		1200	
13	1913	1300		1300	
14	1914	1400		1400	
15	1915	1500		1500	
16	1916	1600		1600	
17	1917	1700		1700	
18	1918	1800		1800	
19	1919	1900		1900	
20	1920	2000		2000	
21	1921	2100		2100	
22	1922	2200		2200	
23	1923	2300		2300	
24	1924	2400		2400	
25	1925	2500		2500	
26	1926	2600		2600	
27	1927	2700		2700	
28	1928	2800		2800	
29	1929	2900		2900	
30	1930	3000		3000	
31	1931	3100		3100	
32	1932	3200		3200	
33	1933	3300		3300	
34	1934	3400		3400	
35	1935	3500		3500	
36	1936	3600		3600	
37	1937	3700		3700	
38	1938	3800		3800	
39	1939	3900		3900	
40	1940	4000		4000	
41	1941	4100		4100	
42	1942	4200		4200	
43	1943	4300		4300	
44	1944	4400		4400	
45	1945	4500		4500	
46	1946	4600		4600	
47	1947	4700		4700	
48	1948	4800		4800	
49	1949	4900		4900	
50	1950	5000		5000	
51	1951	5100		5100	
52	1952	5200		5200	
53	1953	5300		5300	
54	1954	5400		5400	
55	1955	5500		5500	
56	1956	5600		5600	
57	1957	5700		5700	
58	1958	5800		5800	
59	1959	5900		5900	
60	1960	6000		6000	
61	1961	6100		6100	
62	1962	6200		6200	
63	1963	6300		6300	
64	1964	6400		6400	
65	1965	6500		6500	
66	1966	6600		6600	
67	1967	6700		6700	
68	1968	6800		6800	
69	1969	6900		6900	
70	1970	7000		7000	
71	1971	7100		7100	
72	1972	7200		7200	
73	1973	7300		7300	
74	1974	7400		7400	
75	1975	7500		7500	
76	1976	7600		7600	
77	1977	7700		7700	
78	1978	7800		7800	
79	1979	7900		7900	
80	1980	8000		8000	
81	1981	8100		8100	
82	1982	8200		8200	
83	1983	8300		8300	
84	1984	8400		8400	
85	1985	8500		8500	
86	1986	8600		8600	
87	1987	8700		8700	
88	1988	8800		8800	
89	1989	8900		8900	
90	1990	9000		9000	
91	1991	9100		9100	
92	1992	9200		9200	
93	1993	9300		9300	
94	1994	9400		9400	
95	1995	9500		9500	
96	1996	9600		9600	
97	1997	9700		9700	
98	1998	9800		9800	
99	1999	9900		9900	
100	2000	10000		10000	

EXPORTS OF GOODS OTHER THAN COAL AND COKE, COASTWISE AND OVERSEA.

DESCRIPTION OF GOODS.		1913.										1912.	INCREASE	DECREASE
		COASTWISE	RUSSIA	NORWAY	SWEDEN	GERMANY	FRANCE	GREECE	MEXICO	ITALY	TOTALS	TOTALS.		
CLAY & CLAY GOODS ...														
Firebricks & Fireclay	Tons			32			24	12		279	347	272	75	
Sanitary Pipes ...	"			5							5		5	
Bottles, empty ...	Cases				33						33		33	
Ferro Silico ...	Tons											30		30
FISH :														
Herrings, pickled ...	Barrels	240	29460			22376					52076	6182	45894	
White Fish ...	Tons											17		17
Grindstones ...	"					15					15	6	9	
Graphite ...	"			2							2		2	
Ice ...	"	89									89	406		317
IRON & STEEL GOODS														
Boilers & Machinery	"			229	7				13		494	918	424	
Iron Goods ...	"			5										
Pig ...	"			185										
Plates ...	"			48										
Pipes and Tubes	"			7										
LEAD—White ...	"				41						41	54		13
Motor Car ...	No.		1								1		1	
Lorries ...	"	3									3		3	
Salt ...	Tons	236		25							261	92	169	
Sulphate of Ammonia	"									3	3		3	
Tar ...	"	1									1		1	
WOOD & WOOD GOODS														
Empty Casks & Cases	"	9741			54						9795	3199	6596	
Furniture ...	"						1				1		1	
Sleepers and Deals ...	"			16							16		16	
New Ships ...	No. K. Tons	British 4 6207		1870							5 8077	4 7479	1 598	
New Motor Boats ...	No. K. Tons	1 4									1 4		1 4	

BLYTH HARBOUR.

ARRIVAL AND SAILING OF VESSELS (OTHER THAN FISHING VESSELS ENGAGED IN THE LOCAL FISH TRADE).

	ARRIVALS.				SAILINGS.			
	BRITISH.		FOREIGN.		BRITISH.		FOREIGN.	
	No.	Reg. Tons.	No.	Reg Tons.	No.	Reg Tons.	No.	Reg. Tons.
Steam Ships	916	588950	2026	1596907	912	583654	2021	1599112
Sailing Ships	85	12065	52	13091	86	12251	52	13251
TOTAL	1001	601015	2078	160999	998	595905	2073	1612363
Coastwise with cargo ...	37	3753	2	618	397	133813	27	11490
Foreign with cargo ...	3	4559	44	34221	414	403766	1824	1411693
Bunkers only					118	38228	171	154526
Refuge only					33	2417	9	2991
Repairs only					12	12457	29	23829
Other purposes					24	5224	13	7834
Without cargo	961	592703	2032	1575129				
TOTAL	1001	601015	2078	160998	998	595905	2073	1612363

ARRIVAL OF VESSELS.

Year.	No of Vessels			Total Tonnage.			Average Tonnage of Ships.			Percentage of British.	
	British.	Foreign	Total	British.	Foreign.	Total.	British	Fore-ign.	Both	Ships	Tonn-age
1886	433	579	1012	160423	168570	328993	370	291	325	43	49
1887	485	410	895	204690	132213	336903	422	322	376	54	67
1888	828	592	1420	384052	192142	576194	464	325	406	58	67
1889	1102	587	1689	525329	223719	749048	477	381	443	65	70
1890	1061	790	1851	618816	330496	949312	583	418	513	57	65
1891	1146	865	2011	705375	409928	1115303	616	474	555	57	63
1892	1242	1005	2247	743203	442900	1186103	599	441	528	55	63
1893	1229	1056	2285	805945	454610	1260555	656	431	552	54	64
1894	1233	1132	2365	843671	518444	1362015	684	658	576	52	62
1895	1086	973	2059	805947	470715	1276662	742	484	620	53	63
1896	1049	1068	2117	757454	534188	1291642	722	500	610	50	59
1897	1046	1196	2242	732253	645925	1378178	700	540	615	47	53
1898	1106	1144	2250	872756	678896	1551652	789	594	690	49	56
1899	1039	1374	2413	727790	873065	1600855	700	635	663	43	46
1900	1149	1364	2513	771940	865388	1637328	672	634	652	46	47
1901	1125	1589	2714	779930	893670	1673600	693	562	617	41	47
1902	1036	1617	2653	712834	1004223	1716057	688	621	647	39	42
1903	971	1702	2673	632705	1144799	1777504	652	673	665	36	36
1904	1031	1878	2909	652385	1200173	1852558	633	639	637	35	35
1905	1082	2006	3088	678744	1308941	1987685	627	653	644	35	34
1906	1030	1876	2906	647523	1307297	1954820	629	697	673	35	33
1907	804	1918	2722	564799	1421643	1986442	702	741	730	30	28
1908	1012	2081	3093	518656	1487162	2005818	513	715	649	33	26
1909	803	2083	2886	544807	1471559	2016366	678	706	699	28	27
1910	873	2074	2947	542774	1508959	2051733	642	728	696	30	26
1911	1120	2052	3172	629410	1538527	2167937	562	750	683	35	29
1912	1108	1921	3029	560756	1447967	2008723	506	753	663	36	27
1913	1001	2077	3079	601015	1609998	2211013	546	775	718	36	27

ELFTH HARBOR.

ARRIVAL AND DEPARTURE OF VESSELS OF ALL NATIONS
REGISTERED IN THE LOCAL TRADE.

VESSEL	TO OR FROM	DATE	HOUR	NAME OF MASTER	NAME OF AGENT	REMARKS
1870	TO	10/1	10	W. J. B.	W. J. B.	
1871	TO	10/2	11	W. J. B.	W. J. B.	
1872	TO	10/3	12	W. J. B.	W. J. B.	
1873	TO	10/4	13	W. J. B.	W. J. B.	
1874	TO	10/5	14	W. J. B.	W. J. B.	
1875	TO	10/6	15	W. J. B.	W. J. B.	
1876	TO	10/7	16	W. J. B.	W. J. B.	
1877	TO	10/8	17	W. J. B.	W. J. B.	
1878	TO	10/9	18	W. J. B.	W. J. B.	
1879	TO	10/10	19	W. J. B.	W. J. B.	
1880	TO	10/11	20	W. J. B.	W. J. B.	
1881	TO	10/12	21	W. J. B.	W. J. B.	
1882	TO	10/13	22	W. J. B.	W. J. B.	
1883	TO	10/14	23	W. J. B.	W. J. B.	
1884	TO	10/15	24	W. J. B.	W. J. B.	
1885	TO	10/16	25	W. J. B.	W. J. B.	
1886	TO	10/17	26	W. J. B.	W. J. B.	
1887	TO	10/18	27	W. J. B.	W. J. B.	
1888	TO	10/19	28	W. J. B.	W. J. B.	
1889	TO	10/20	29	W. J. B.	W. J. B.	
1890	TO	10/21	30	W. J. B.	W. J. B.	
1891	TO	10/22	31	W. J. B.	W. J. B.	
1892	TO	10/23	1	W. J. B.	W. J. B.	
1893	TO	10/24	2	W. J. B.	W. J. B.	
1894	TO	10/25	3	W. J. B.	W. J. B.	
1895	TO	10/26	4	W. J. B.	W. J. B.	
1896	TO	10/27	5	W. J. B.	W. J. B.	
1897	TO	10/28	6	W. J. B.	W. J. B.	
1898	TO	10/29	7	W. J. B.	W. J. B.	
1899	TO	10/30	8	W. J. B.	W. J. B.	
1900	TO	10/31	9	W. J. B.	W. J. B.	

ELFTH HARBOR.

VESSEL	TO OR FROM	DATE	HOUR	NAME OF MASTER	NAME OF AGENT	REMARKS
1870	TO	10/1	10	W. J. B.	W. J. B.	
1871	TO	10/2	11	W. J. B.	W. J. B.	
1872	TO	10/3	12	W. J. B.	W. J. B.	
1873	TO	10/4	13	W. J. B.	W. J. B.	
1874	TO	10/5	14	W. J. B.	W. J. B.	
1875	TO	10/6	15	W. J. B.	W. J. B.	
1876	TO	10/7	16	W. J. B.	W. J. B.	
1877	TO	10/8	17	W. J. B.	W. J. B.	
1878	TO	10/9	18	W. J. B.	W. J. B.	
1879	TO	10/10	19	W. J. B.	W. J. B.	
1880	TO	10/11	20	W. J. B.	W. J. B.	
1881	TO	10/12	21	W. J. B.	W. J. B.	
1882	TO	10/13	22	W. J. B.	W. J. B.	
1883	TO	10/14	23	W. J. B.	W. J. B.	
1884	TO	10/15	24	W. J. B.	W. J. B.	
1885	TO	10/16	25	W. J. B.	W. J. B.	
1886	TO	10/17	26	W. J. B.	W. J. B.	
1887	TO	10/18	27	W. J. B.	W. J. B.	
1888	TO	10/19	28	W. J. B.	W. J. B.	
1889	TO	10/20	29	W. J. B.	W. J. B.	
1890	TO	10/21	30	W. J. B.	W. J. B.	
1891	TO	10/22	31	W. J. B.	W. J. B.	
1892	TO	10/23	1	W. J. B.	W. J. B.	
1893	TO	10/24	2	W. J. B.	W. J. B.	
1894	TO	10/25	3	W. J. B.	W. J. B.	
1895	TO	10/26	4	W. J. B.	W. J. B.	
1896	TO	10/27	5	W. J. B.	W. J. B.	
1897	TO	10/28	6	W. J. B.	W. J. B.	
1898	TO	10/29	7	W. J. B.	W. J. B.	
1899	TO	10/30	8	W. J. B.	W. J. B.	
1900	TO	10/31	9	W. J. B.	W. J. B.	