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Contributors

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COUNTY OF CORNWALL,

District No. 30.

ST. IVES

URBAN SANITARY AUTHORITY,

Medical Officer's Annual Report,

1903.

J. U. WHITE, PRINTER, ST. IVES.

THE ST. IVES
URBAN SANITARY AUTHORITY.

To the Mayor, Aldermen & Councillors.

Gentlemen,

I beg to present the following as my
Annual Report of the St. Ives Urban
Sanitary District for 1903,

And remain,

Yours faithfully,

J. M. NICHOLLS,

M.O.H.

February, 1904.

1903.

St. IVES URBAN SANITARY AUTHORITY.

MEDICAL OFFICER'S ANNUAL REPORT.

Area, 1100 Statute Acres,	Population 1881, 6445.
	„ 1891, 6094.
Density of population per acre, 6.69.	„ 1901, 6697.
Emigrants (1902), 48.	Immigrants (1902), 56.
Inhabited houses, 1881	... .. 1,483.
„ „ 1891	... .. 1,478.
„ „ 1901	... .. 1,742.
„ „ 1902	... .. 1,759.
„ „ 1903	... .. 1,779.

Births Registered, **175** (males 102 ; females 73).

Deaths „ **95** (males 40 ; females 55).—**Natural Increase, 80.**

	1899.	1900.	1901.	1902.	1903.
Birthrate per 1000 of population ...	34.62	31.67	29.41	26.13	26.13.
Deathrate „ „ „ ...	15.75	18.87	19.26	16.57	14.18.

Classification of Ages of Deaths.

	1 yr. and under.	1 to 5 yrs.	5 to 15 yrs.	15 to 25 yrs.	25 to 65 yrs.	65 to 80 yrs.	Over 80.	Over 90.	Tl.
January ...	1	—	—	—	3	3	1	—	8
February ...	1	—	—	—	1	1	—	—	3
March.....	2	—	—	—	2	2	3	—	9
April	5	1	—	—	2	1	—	—	9
May	3	3	—	1	1	3	—	—	11
June	1	1	—	1	2	1	1	—	7
July	3	—	—	—	1	5	1	—	10
August	3	—	1	1	1	1	—	—	7
September ...	—	—	—	1	2	2	—	—	5
October	3	—	—	1	2	7	1	—	14
November ...	—	—	—	—	1	—	—	—	1
December ...	4	—	—	—	4	3	—	—	11
	26	5	1	5	22	29	7	0	95

2 Illegitimate births : at the rate of .29 per 1000 of population; or 1 in 87 births.

No Illegitimate deaths.

Analysis of Deaths.

1899.	1900.	1901.	1902.	1903.	
10	.. 14	.. 12	.. 13	.. 16	deaths were due to disease of the Nervous System.
6	.. 11	.. 9	.. 14	.. 17	.. .. Circulatory System.
10	.. 29	.. 24	.. 25	.. 15	.. .. Respiratory System.
10	.. 7	.. 19	.. 9	.. 10	.. .. Alimentary System.
2	.. 4	.. 6	.. 5	.. 4	.. .. Genito-Urinary System.
9	.. 11	.. 14	.. 7	.. 6	.. .. Lymphatic System.
12	.. 7	.. 15	.. 17	.. 0	.. Zymotic diseases.
10	.. 13	.. 22	.. 13	.. 9	.. Senile decay.
10	.. 10	.. 9	.. 3	.. 7	.. Marasmus.
7	.. 8	.. 4	.. 2	.. 8	.. Premature births and Malformations.
6	.. 2	.. 5	.. 0	.. 3	Inquests.

Four of the deaths were visitors, viz. :—

- 1 female—29 years—Accidentally killed.
- 1 „ —60 „ —Paralysis.
- 1 male —19 „ —Accidentally killed.
- 1 „ —61 „ —Acute Hepatitis.

Zymotic Mortality.—No deaths.

Cancer Mortality.—4 deaths (3 females, aged 70, 72 and 75 years, and 1 male, aged 75 years).

An average rate of .59 per 1000 of population.

Phthysical Mortality.—5 deaths. 1 male, aged 36 years; 4 females, aged 16, 19, 28, and 36 years.

An average rate of .74 per 1000 of population.

Respiratory Mortality.—10 deaths from Pneumonia and Bronchitis, giving a deathrate of 1.49 per 1000 of population. These deaths occurred in the following months :—

January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
-	...	1	...	1	...	3	...	1	...	1	...
-	...	1	...	1	...	3	...	1	...	1	...
-	...	1	...	1	...	3	...	1	...	1	...

6 were infants, 3 were between 1 and 3 years, and the other death was a female over 80 years.

Infant Mortality.—26 deaths (under 12 months):—Deathrate 3·88 per 1000 of population, or at the rate of 149 deaths to 1000 births.

It compares with previous years as follows:—

1897.—24 deaths, at the rate of	141 to 1 000 births.
1898.—43	215
1899.—28	132
1900.—36	186
1901.—33	167
1902.—25	142
1903.—26	149

The causes of death were:—

Malformation and Premature Births.	Malnutrition.	Bronchitis and Pneumonia.	Gastric Catarrh.	Abscess.	Convulsion.
8	8	6	2	1	1

This deathrate is still high, although less due to preventative disease than in former years.

Influenza Mortality.—No deaths.

NOTIFICATION OF DISEASE.

Four cases were notified, giving a rate of ·59 per 1000 of population.

Analysis of Cases Notified.

	Erysipelas.
January .....	.....
February.....	.....
March	1
April .....	.....
May .....	.....
June	1
July .....	.....
August	2
September .....	.....
October .....	.....
November .....	.....
December .....	.....
Total	4
Rate per 1000 of population	·59

Total cases notified, 4.

Total rate per 1000 of population, ·59.

HOUSE INSPECTIONS.

These point to a steady improvement in sanitation. Damp walls, which cannot be healthy, are still found in some houses; windows are not in many cases opened as freely as they should be, especially in bedrooms, where fireplaces are also frequently useless. It is well to remember that sanitary appliances may become faulty, and supervision and occasional testing is necessary to remedy faults before serious injury to health results.

Shipping Inspections.—These are satisfactory, both from home and foreign ports.

EPIDEMICS.

Influenza.—This was apparent in a mild form during the early months of the year but no deaths resulted.

An epidemic of Mumps occurred during November and December. Very mild in type, but so general throughout the town as to make it necessary to close the Schools for those months.

I often find wood boxes—generally uncovered—used as receptacles for house refuse. These are always insanitary from contamination, and from allowing the refuse to be blown out. In hot weather especially they are a danger to health. They should always be made of metal, and covered.

THE SANITARY CONDITION OF THE TOWN.

To reach such sanitary perfection as is possible may still be said to be the aim of the Sanitary Authority. The year's progress in this direction compares favourably with previous years, as shown in detail in the Report of the Sanitary Inspector. The scavenging is well attended to, and less refuse is thrown carelessly about the streets and little frequented areas. The Stennack stream referred to in last year's report has been somewhat less offensive, but it cannot be satisfactory while refuse is thrown into it. I look upon the flushing of this stream as a temporary remedy, until the collecting of refuse is more responded to by householders, and the drainage of a few remaining houses near the outlet of the stream is provided for.

WATER SUPPLY.

The scheme to pipe the water from Bussow Moor—to augment our supply for the higher district—which has been under consideration for some time, has during this year been progressed with satisfactorily, and probably would have been completed if the weather and condition of the land had been favourable for work. This supply is an important and useful addition, and should meet the present requirements of the town for a continuous supply ; and obviate the necessity of pumping unless during a prolonged drought.

The water is soft and good in quality, and when the piping is completed to the adits there should be no danger of contamination from surface water.

The work in connection with this water scheme has been carried out very satisfactorily.

FACTORY AND WORKSHOPS ACT, 1901.

There are no large Factories in this district. The Workshops are small, employing from 6 to 10 workpeople. The buildings and sanitary appliances are generally satisfactory, and there is as a rule efficiency in carrying out the Act.

NEW BUILDINGS.

20 new buildings, and 2 rebuilt, were all according to the bye-laws, and add a good class of dwellings to the Town.

GENERAL REMARKS.

The year may be classed as satisfactory, both as to progress in sanitary reform, and the state of the general health.

The low notification rate— which may be said to be free from preventable disease— is very satisfactory ; and we have had no deaths from Zymotic Diseases.

METEOROLOGICAL SUMMARY.

Month.	Dry Bulb.	Wet Bulb.	Highest Max.	Lowest Min.	Mean Daily Range.	Mean Temperature.	Mean Barometer.	Rainfall in inches.	No. Rainy Days.	Days Sunshine.	Prevailing Wind.
Jan. ...	45.74	43.87	54.7	29.5	6.98	45.10	29.94	5.22	21	16	S.W.
Feb. ...	47.66	45.29	56.3	36.8	6.66	47.63	30.14	1.78	13	21	S.W.
March .	48.19	45.95	56.2	38.2	8.76	47.28	29.79	3.57	23	25	S.W.
April ...	48.79	45.21	56.8	35.2	8.80	48.46	29.86	.95	10	28	W.N.W.
May ...	54.65	51.32	67.9	41.3	8.20	53.80	29.77	1.92	13	27	N.W.
June ...	57.61	54.18	70.0	45.2	8.44	57.13	30.02	2.11	14	26	N.W.
July ...	62.74	58.80	71.3	46.2	9.15	61.70	29.60	3.84	13	28	N.W.
Aug. ...	60.28	57.42	68.9	49.9	9.28	59.47	29.84	3.94	23	26	W.
Sept. ...	58.86	55.67	65.7	45.3	8.13	57.99	29.97	2.64	14	27	S.W.
Oct. ...	54.75	52.70	62.6	42.6	6.87	54.56	29.65	6.62	29	24	S.W.
Nov. ...	49.69	46.62	57.6	33.8	7.17	49.33	30.12	1.87	16	22	W.
Dec. ...	44.57	42.42	53.2	31.6	7.23	44.30	29.69	5.05	20	19	N.W.
—	633.53	599.45	—	—	95.67	626.75	358.39	39.51	209	289	—
—	52.79	49.95	—	—	7.97	52.22	29.86	—	—	—	—

Highest Maximum :—71.3 (July).

Lowest Minimum :—29.5 (January).

J. M. NICHOLLS,

L.R.C.P., Lond., M.R.C.S. Eng.,

F.R. Met. Soc.,

Medical Officer of Health.

February, 1904.