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**Contributors**

Middleton (England). Borough Council.

**Publication/Creation**

1896

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*With Dr Graham's compliments*

BOROUGH of MIDDLETON.

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**ANNUAL REPORT**

OF THE

Medical Officer of Health . . .

AND OF THE

. . . Inspector of Nuisances,

FOR THE YEAR

1896.

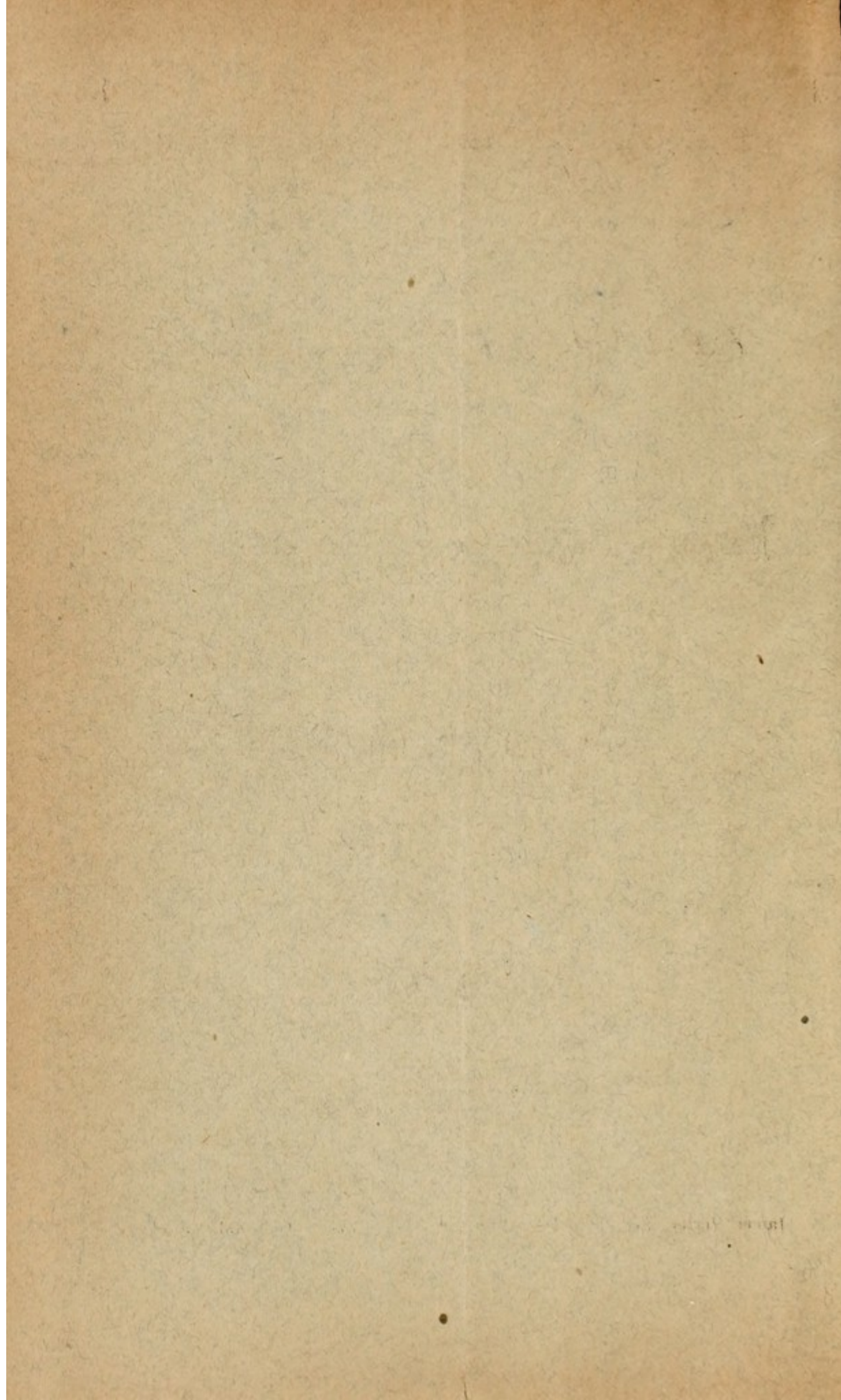
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MIDDLETON :

James Verity, Printer and Stationer, " Hope " Office, Old Hall Street.

1897.





BOROUGH of MIDDLETON.



*ANNUAL REPORT*

OF THE

Medical Officer of Health

AND OF THE

Inspector of Nuisances,

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*Borough of Middleton.*

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*A N N U A L   R E P O R T*

OF THE

✧ **Medical Officer of Health,** ✧  
**1896.**

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*To the Chairman & Members of the Health Committee.*

Gentlemen,

During the twelve months ending 31st December, 1896, 621 births were registered for the Borough, giving a birth-rate of 25·8 per 1000, 309 were males, 312 females, the annual average birth-rate for the past ten years has been a little under 30 per 1000. The number of deaths registered during the year, amounted to 474, and the general death-rate was 19·7 per 1000; the number of deaths in each ward is given above, 149 died in the North Ward against 146 in the preceding year. In the South and West Wards the numbers were 166 and 159 against 153 and 155 for preceding year, respectively. The general and zymotic death-rates, as well as the death-rate from pulmonary diseases and phthisis are given below for the year and since incorporation took place.

The tables accompanying the report give full statistics of births, deaths, and infectious diseases.

	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.
General Death Rate	20-83	20-68	20-17	20-38	24-12	18-04	18-53	16-8	18-9	19-75
Zymotic Diseases of	2-04	2-48	3-14	1-33	2-29	1-26	2-04	2-04	1-9	1-5
Respiratory organs	3-85	5-21	5	5-47	7-6	5-76	3-11	3-11	4-7	4-5
Phthisis	2-14	1-60	1-42	1-71	1-97	1-26	1-37	1-37	1-5	1-5

Table A required by the Local Government Board gives deaths classified according to age, diseases and wards. Table B population, births and new cases of infectious disease during 1896, whilst Table C contains the information asked for by the Lancashire County Council, and the other tables are condensed from the register of births and deaths. The returns show that 185 children died under five years, including 123 under a year old, whilst 83 persons died at ages over 65 years. I find 35 deaths recorded from the seven principal zymotic diseases, equal to a rate of 1-4 against 1-9 for preceding year, 27 were children under five years of age and 9 persons over that age, and the number of deaths are shown above in each Ward under the respective headings. Besides these 10 children died from croup, 9 of which were under five years of age, one from erysipelas, seven from rheumatic fever over that age, 3 from puerperal fever, and four from whooping cough, three under and one over five years of age, 110 deaths occurred from bronchitis, pneumonia and pleurisy during 1896, against 114 in the previous year. The number of deaths from phthisis amounted to 36, equal to a rate of 1-5, nearly the same as from the seven zymotic diseases, and the same number of



deaths from phthisis occurred in preceding year. The comparative mortality during the four quarters, from pulmonary diseases is given, together with that from phthisis and zymotic diseases.

1896	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Deaths from Pulmonary Diseases	25	30	14	41
"    "    Phthisis	12	13	5	6
"    "    Zymotic Diseases,	3	6	22	5
Total Deaths from all causes	106	127	108	133

The death rate during the March, June, September and December quarters of 1896, were respectively 22-3, 19-33, 16-1 and 17-8 per 1000. 137 cases of infectious diseases were notified to me during the year against 88 in 1895. 128 in 1894, and 435 in 1893. The table below shows the cases in each Ward in less detail than Table B of the Local Government Board, and the diseases are arranged alphabetically.

	Cholera,	Membranous Croup	Diphtheria	Enteric Fever.	Erysipelas
North Ward	0	1	6	2	5
South Ward	0	3	2	4	10
West Ward	0	5	7	1	4
	—	—	—	—	—
Total	0	9	15	7	19

	Puerperal Fever	Scarlet Fever	Small Pox	Tyhuus	Total.
North Ward	1	28	2	0	45
South Ward	1	22	0	0	42
West Ward	1	32	0	0	50
	—	—	—	—	—
Total	3	72	2	0	137

Measles caused ten deaths, all children under five years of age. The total cases removed to Marland Hospital amounted to four.



31 persons died at Oldham Workhouse belonging to the Parish of Middleton, all over 30 years of age, 12 were over 65 years of age inclusive of 2 over 80.

The deaths from all causes are collected together and tabulated on the other side, they included 16 violent deaths, viz: 5 from burns and scalds, drowning 4, hanging 1, injuries 4, and 2 otherwise; 3 were attributed to suicide.

During the past year, only 2 cases of Small-pox were reported, one on the 8th February at Stakehill, a female aged 37 years, and another on the 18th June at Samuel St., a male aged 59, both were removed to Marland Hospital where the latter died. The want of a steam disinfector has been felt, as it necessitates the destruction of bedding in such cases, and private individuals who are anxious to prevent spread of Scarlet Fever are forced to send articles for disinfection to a neighbouring town, which is a great inconvenience.

I regret that during the past year my efforts to deal with back to back houses and insanitary premises have not been more successful; if any good is to be done, legal proceedings must be resorted to in future.

The number of interments taking place in the cemetery and other graveyards in the midst of the population is very objectionable from a sanitary point of view, and I fear no steps will be taken to provide a proper cemetery until action is taken at head-quarters. The question of providing a mortuary has also been deferred.

77 smoke observations were taken last year against 62 for 1895, and 126 for 1894. The twelve minutes emissions were exceeded in fifteen of these: notices were served on all such, and in one case proceedings were taken in court, where the time exceeded 14 minutes, but a penalty of only 5/- and costs was inflicted; there is, I believe, some improvement taking place and more care is taken, in which the efforts of private individuals greatly assist. The average time that black smoke was emitted in the observations referred to was under 3 minutes.

A statement of particulars of sanitary conveniences in the remainder of factories is given by the Inspector, who paid special attention to slaughter houses (326 visits,) and lodging houses, (133 visits). In the Autumn I made a special report after the visit to the Conference at Glasgow on Public Health, and pointed out the desirability of a Public Abattoir, private slaughter houses being objectionable and accompanied with great risk, as well as handicapping the honest butcher. The amount of watching required in Middleton is a great draw-back, and a serious demand on the time of an Inspector, and the refusal to license any further slaughter houses in the district is greatly to the advantage of the public health, whilst the provision of a well appointed Public Abattoir deserves immediate attention.

There has been a considerable addition to the number of cottages erected, the people are becoming better housed but more three roomed cottages are required: if such were more in use a chance would be afforded to isolate cases of



illness at home to some extent. 177 more additions have been made to houses on the water carriage system and 7 wet privies converted to the pail system, and several open ashpits to dry ashpits; it is estimated that there are now 3000 houses on the pail system, 600 on water carriage system, and about the same number of old middens; in 1886, there were 1900 old privies, 677 on pail system and 100 water closets. 70 houses had their drains trapped and completed during the past year.

In reference to the Dairies, Cowsheds, &c., I despair of seeing much progress under existing circumstances although bye-laws have been made I see little sign of improvement, and I would advise the annual granting of licenses so as to bring them under control, otherwise the whole thing remains a farce.

During the past year I had complaints of the spread of night-soil over fields in portions of the borough resorted to by the people for recreation and I trust in future such shall be put a stop to or additional provision provided in the way of parks or play grounds; in my opinion, public baths should also be provided in each ward.

Whilst in many respects the past year has been fairly satisfactory and some progress made, and the amount of zymotic disease showed a diminution, yet surrounded as we are in such a locality, with good trade, a rapidly increasing industrial population, educational facilities and many advantages, I cannot greatly congratulate the sanitary authority on any very rapid improvement, however, the statistics have been based during



the past year on a population which has been under estimated and which has now reached 25,600 according to the Town Clerk who bases it on the number of houses assessed, each representing  $4\frac{1}{2}$  inhabitants. Particulars of inspections, sanitary work, nuisances removed, &c., and other information will be found in Inspector Norton's report appended, and in future it would be best in such a large scattered district, if any complaints were made at his office at the Town Hall before 10 a.m., unless in cases of emergency so as to receive, if required, chance of attention the same day. All notifications of infectious disease should be sent direct to me.

I am, Yours respectfully,

WILLIAM GRAHAM,

Medical Officer of Health.

Spring Vale, Middleton,

18th February, 1897.

1896.

## BOROUGH OF MIDDLETON

## Classified Return of Births and Deaths.

WARDS.				
	NORTH	SOUTH.	WEST.	TOTAL.
Acreage of the Borough .....	1963	1171	1607	4741
Population Census, 1891 .....	6724	7321	8117	22162
Estimated present population .....	8050	8350	9200	25600
	WARDS.			
	N.	S.	W.	TL.
BIRTHS registered this year .....	—	—	—	621
do. do. corresponding last year .....	—	—	—	669
Annual Average per 1000 living				25.8
DEATHS—0-1 year .....	34	46	43	123
1-5 years .....	22	15	25	62
5-15 years .....	11	8	2	21
15-25 years .....	4	12	8	24
25-65 years .....	52	60	49	161
65 years and upwards .....	26	25	32	83
DEATHS from Small Pox .....	—	—	—	—
Measles .....	3	4	3	10
Scarlet Fever .....	2	—	1	3
Diphtheria .....	2	—	1	3
Whooping Cough .....	2	2	—	4
Continued Typhus .....	—	—	—	—
Fevers. { Enteric or Typhoid ..	1	—	—	1
{ Other or Doubtful ..	—	—	—	—
Diarrhœa and Dysentery .....	1	4	9	14
Total deaths from 7 principal zymotic diseases	11	10	14	35
				1.4
Croup .....	—	2	8	10
Influenza .....	—	—	—	—
Cholera .....	—	—	—	—
Acute Rheumatism .....	1	2	4	7
Erysipelas .....	—	—	1	1
Puerperal Fever .....	1	1	1	3
Ague .....	—	—	—	—
Phtthisis .....	9	17	10	36
Bronchitis, Pneumonia, & Pleurisy	35	32	43	110
Heart Disease .....	13	15	17	45
Injuries .....	8	2	3	13
All other causes .....	71	84	59	214
Total number of Deaths this year .....	149	166	159	474
Since Incorporation (10 years) .....	—	—	—	—
				19.75 19.82
Notified cases of Infectious sickness :-				
Cholera .....	—	—	—	—
Croup (membranous) .....	1	3	5	9
Diphtheria .....	6	2	7	15
Enteric Fever .....	2	4	1	7
Erysipelas .....	5	10	4	19
Puerperal Fever .....	1	1	1	3
Scarlet Fever .....	28	22	32	82
Small Pox .....	2	—	—	2
Typhus .....	—	—	—	—

The causes of death are collected and tabulated together in the following form :-

ORDER 1.—MIASMATIC.

Causes of Death.

					under 5	over 65	all other ages	Total
Smallpox	...	...	...	...	—	—	—	—
Measles	...	...	...	...	10	—	—	10
Scarletina (Scarlet Fever)	...	...	...	...	2	—	1	3
Diphtheria	...	...	...	...	1	—	2	3
Quinsy	...	...	...	...	1	—	—	1
Croup	...	...	...	...	9	—	1	10
Whooping Cough	...	...	...	...	3	—	1	4
Typhus	...	...	...	...	—	—	—	—
Enteric or Typhoid Fever	...	...	...	...	—	—	1	1
Simple Continued Fever	...	...	...	...	—	—	—	—
Erysipelas (Rose)	...	...	...	...	—	—	1	1
Puerperal Fever (Metria)	...	...	...	...	—	—	3	3
Carbuncle	...	...	...	...	—	—	—	—
Influenza	...	...	...	...	—	—	1	1
Dysentery Diarrhoea	} Bowel Complaint...			...	11	2	1	14
Cholera (Simple)	...	...	...	...	—	—	—	—
Ague	...	...	...	...	—	—	—	—
Remittent Fever	...	...	...	...	—	—	—	—
Rheumatism	...	...	...	...	—	1	7	8
Other Zymotic Diseases	...	...	...	...	—	—	—	—

ORDER 2.—ENTHETIC.

Syphitis	...	...	...	...	—	—	—	—
Stricture of Urethra	...	...	...	...	—	—	—	—
Hydrophobia	...	...	...	...	—	—	—	—
Glanders	...	...	...	...	—	—	—	—



under 5    over 65    all other ages    Total

### ORDER 3.—DIETETIC.

Privation	...	...	...	...	2	—	—	2
Want of Breast Milk	...	...	...	...	—	—	—	—
Purpura and Scurvy	...	...	...	...	1	—	—	1
Alcoholism	{	Delirium Tremens...	...	...	—	—	—	—
		Intemperance	...	..	—	—	1	1

### ORDER 4.—PARASITIC.

Thrush	...	...	...	...	—	—	—	—
Worms	...	...	...	...	—	—	—	—

## II. CONSTITUTIONAL.

### ORDER I. DIATHETIC.

Gout	..	...	...	...	—	1	—	1
Dropsy	...	...	...	...	—	—	1	1
Cancer	...	...	...	...	—	3	13	16
Noma (Cancrum Oris)	...	...	...	...	—	—	—	—
Mortification	...	...	...	...	—	1	1	2
Abcess or Tumour	...	...	...	...	—	1	—	1

### ORDER II. TUBERCULAR.

Scrofula	...	...	...	...	—	—	—	—
Tabes Mesenterica	...	...	...	...	—	—	—	—
Phthisis (Consumption)	...	...	...	...	—	5	37	42
Hydrocephalus (Water on the Brain)	...	...	...	...	—	—	—	—

## III. LOCAL.

### ORDER I. NERVOUS SYSTEM.

Cephalitis	...	...	...	...	3	—	7	10
Apoplexy	...	...	...	...	—	8	10	18
Paralysis	...	...	...	...	—	—	—	—
Insanity	...	...	...	..	—	—	—	—
Chorea	...	...	...	...	—	—	—	—

					under 5	over 65	all other ages.	Total
Epilepsy	...	...	...	...	—	—	1	1
Convulsions	...	...	...	...	20	—	—	20
Brain Disease, &c.	...	...	...	...	2	2	5	9

#### ORDER II. ORGANS OF CIRCULATION.

Pericarditis	...	...	...	...	—	—	1	1
Aneurism	...	...	...	...	—	—	—	—
Heart Disease, &c.	...	...	...	...	—	11	34	45

#### ORDER 3. RESPIRATORY ORGANS.

Laryugitis	...	...	...	...	8	—	—	8
Bronchitis	...	...	...	...	21	29	14	64
Pleurisy	...	...	...	...	—	—	—	—
Pneumonia	...	...	...	...	21	10	15	46
Asthma	...	...	...	...	1	—	2	3
Lung Disease, &c.	...	...	...	...	—	—	1	1

#### ORDER 4. DIGESTIVE ORGANS.

Gastritis	...	...	...	...	—	—	—	—
Enteritis	...	...	...	...	—	—	1	1
Peritonitis	...	...	...	...	1	—	—	1
Ascites	...	...	...	...	—	—	—	—
Ulceration of Intestines	...	...	...	...	—	—	—	—
Hernia (Rupture)	...	...	...	...	—	—	—	—
Ileus	...	...	...	...	—	—	3	3
Intussusception	...	...	...	...	—	—	—	—
Stricture of Intestines	...	...	...	...	—	—	—	—
Fistula	...	...	...	...	—	—	—	—
Stomach Disease, &c.	...	...	...	...	2	—	—	2
Pancreas Disease, &c.	...	...	...	...	—	—	—	—
Lead Colic	...	...	...	...	—	—	—	—

					under 5	over 65	all other ages.	Total
Jaundice	...	...	...	...	—	—	—	—
Hepatitis	...	...	...	...	—	—	1	1
Liver Disease, &c.	...	...	...	...	—	—	6	6
Spleen Disease, &c.	...	...	...	...	—	—	—	—

#### ORDER 5.—URINARY ORGANS.

Nephritis	...	...	...	...	—	1	1	2
Ischuria	...	...	...	...	1	—	—	1
Nephria (Bright's Disease)	...	...	...	...	—	1	2	3
Diabetes	...	...	...	...	—	—	—	—
Stone (Calculous)	...	...	...	...	—	—	—	—
Cystitis	...	...	...	...	—	—	—	—
Kidney Disease	...	...	...	...	—	—	1	1

#### ORDER 6.—ORGANS OF GENERATION.

Ovarian Dropsy	...	...	...	...	—	—	—	—
Uterus Disease, &c.	...	...	...	...	—	—	—	—

#### ORDER 7.—ORGANS OF LOCOMOTION.

Arthritis (Synovitis)	...	...	...	...	—	—	—	—
Joint Disease...	...	...	...	...	—	—	2	2

#### ORDER 8.—INTEGUMENTARY SYSTEM.

Phlegmon	...	...	...	...	—	—	—	—
Ulcer	...	...	...	...	—	—	1	1
Skin Disease &c	...	...	...	...	2	—	—	2

### IV. DEVELOPMENTAL.

#### ORDER 1.—DISEASES OF CHILDREN.

Premature Birth	...	...	...	18	—	—	18
Cyanosis	...	...	...	1	—	—	1
Spina Bifida	...	...	...	—	—	—	—
Other Malformations	...	...	...	—	—	—	—



					under 5	over 65	all other ages	Total
Teething	...	...	...	...	17	—	—	17

#### ORDER 2.—DISEASES OF ADULTS.

Child-birth (see Puerperal Fever)	...	—	—	6	6
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#### ORDER 3.—DISEASES OF OLD PEOPLE.

Old Age	...	...	...	...	—	17	1	18
Premature Decay	...	...	...	...	—	—	—	—

#### ORDER 4.—DISEASES OF NUTRITION.

Atrophy and Debility	...	...	...	...	17	—	—	17
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### V. VIOLENT DEATHS.

#### ORDER 1—ACCIDENTS or NEGLIGENCE.

Fractures and Contusions	...	...	—	—	4	4		
Wounds	{ Gun Shot	...	...	—	—	—		
	{ Cut, Stab	...	...	—	—	—		
Burns and Scalds	...	...	...	4	—	1	5	
Poison	...	...	...	...	—	—	—	
Drowning	...	...	...	...	1	—	1	2
Suffocation	...	...	...	...	—	—	—	—
Otherwise	...	...	...	...	1	—	1	2

#### ORDER 3.—HOMICIDE.

Murder and Manslaughter	...	..	—	—	—	—
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#### ORDER 4.—SUICIDE.

Wounds	{ Gun Shot	...	...	...	—	—	—	—
	{ Cut, Stab	...	...	...	—	—	—	—
Poison	...	...	...	...	—	—	—	—
Drowning	...	...	...	...	—	—	2	2
Hanging	...	...	...	...	—	I	—	I
Otherwise	...	...	...	...	—	—	—	—
Violent Deaths not classed			...	...	—	—	—	—
Other Disease not classified			...	...	—	—	I	I
Peuphiral Neuritis		...	...	...	—	I	—	I

					under 5	over 65	all other ages.	Total
Goetre	...	...	...	...	—	1	—	1
Naso Pharyngal Catarrh	...	...	...	...	1	—	—	1
Progressive Muscular Atrophy	...	...	...	...	—	—	1	1
Hodgkin's Disease	...	...	...	...	—	—	1	1
				Total	...	...	...	474

## SUMMARY of MEDICAL OFFICER'S REPORT for 1896.

URBAN SANITARY DISTRICT OF MIDDLETON.

Area in Statute Acres, 4741. Population (Census) 1891, 21,310.

Population, Estimated 1896, 24,000.

Name of Medical Officer of Health, WILLIAM GRAHAM, M.D., D.P.H.

Salary, £60 per annum.

Births registered, Male 309, Female 312, Total, 621.

Deaths registered, Male 239, Female 235, Total, 474.

Birth Rate, 25·8. Death Rate, 19·75.

Death Rate from the seven principal Zymotic Diseases, per 1,000 of population, 1·5.

Diseases prevalent? Measles and Scarlet Fever to slight extent, and Erysipelas. Period? Generally throughout the year.

What action taken? Few cases removed to hospital—isolation at home as far as possible effected. Other Children kept from School.

Any Schools closed? No.

What is the character of the Hospital Accommodation? Marland Hospital.

Is it joint or otherwise? Agreement with Rochdale Corporation.

No. of Beds available for the district? 62, 40 for Smallpox.

What were the cases treated? 2 of Smallpox, 1 of Enteric and 1 of Scarlet Fever.

Deaths in Hospital? One. From what causes? Smallpox.

How is Disinfection carried out? By Sulphurous Acid.

Apparatus used? No Steam Disinfector.

Is the Infectious Disease (Notification) Act in force? Yes, an Order since 1889, before the Act.

Are any Diseases not specifically mentioned in the Act notifiable? Erysipelas and Membranous Croup are notifiable, but Measles not so.

What is the character of House Accommodation? Fair and improving, many good Cottages built recently. Over 100 back-to-back houses, more three roomed cottages required.

Has any action been taken under 'The Housing of the Working Classes Act, 1890'? No.

Water Supply? Satisfactory, Heywood Corporation Waterworks.

Is Scavenging carried out satisfactorily? Yes.

By Sanitary Authority or Contract? By Sanitary Authority.

How is the Refuse disposed of? Carted on Farms and tipped where special provision is made—removed in day-time objectionable on first and last grounds.

What is the character of Drainage and the form of Sewage Disposal? Works and main Sewers near completion.

Canal Boats? 52 Boats inspected, found satisfactory, except in one instance.



What is the condition of the Bakehouses? 30 visits made and no complaints.

Slaughter Houses? 326 visits made by the Inspector, they receive and require frequent inspection. Abattoir much needed.

Lodging Houses? 133 visits made by the Inspector.—Are they registered? Five registered.

Are the Dairies, Cowsheds, and Milkshops periodically inspected? As far as practicable.

Have any Regulations been made by your Authority under the Order of the Local Government Board? Yes, but annual Licenses should be taken out.

Have the Factories and Workshops been inspected, and with what result? Yes. see appended report.

Sale of Food and Drugs Act. No of Samples Purchased, Six of milk. Prosecutions, No.

Food unfit for Human Consumption Amount seized? None.

River Pollution. Considerable amount at present.

Any Special Report of Medical Officer of Health during the year? Glasgow Congress.

Department of Inspectors of Nuisances. No. of Notices served 231  
Nuisances remedied, over 300, including minor,  
Legal Proceedings taken and result. One for overcrowding, Order for abatement with costs.

Smoke. No. of Observations, 77.

No. of Legal Proceedings taken and result. One, fined 5/- and costs.

What is the time limit allowed for the emission of black smoke? 12 minutes in an hour.

Has the Authority adopted—(a) “The Infectious Disease (Prevention) Act, 1890”? Yes. (b) “The Public Health Acts Amendment Act, 1890.”? Yes.

# BOROUGH OF MIDDLETON.

HEALTH DEPARTMENT.

.....

## NUISANCE INSPECTOR'S REPORT

For the Year ended Dec. 31st, 1896.



To the Chairmen and Members of the Health  
and Watch Committees.

*Gentlemen,*

*I beg to present the Annual Report of the  
above Department, respecting the work done during the  
year 1896.*

*I am,*

*Yours obediently,*

**Charles Hy. Norton,**

*Nuisance Inspector.*

## Summary of Work Done

. . . During the Year ended Dec. 31st, 1896.

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### Visits and Inspections made and Notices Served.

Formal Notices served .....	231	No. of visits to Bakehouses	30
„ by Committee...	18	„ visits to Offensive	
„ in respect of		Trades ....	161
black smoke.....	15	„ Farms .....	26
Smoke Observations taken..	77	Vans used as dwellings .....	23
Canal Boats inspected. ....	55	Visits in respect of Infectious	
Number of visits to Slaugh-		Diseases.....	314
terhouses	326	Persons removed to Hospital	4
„ Lodging-houses	133	Rooms Famigated ... ..	191

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### Nuisances Found Existing during 1896.

Defective Privies.....	28	Dangerous Closets .....	14
„ Ashpits .....	24	„ Ashpits .....	6
„ Sanitary Cans ...	29	„ House floors ...	2
„ Eaves Gutters ...	13	„ Back yard walls	9
„ Downspouts .....	30	„ House chimneys	2
„ Drains .....	12	Damp Rooms .....	15
„ Traps .....	12	Blocked waste water closets.	4
„ Trap-basins.....	3	„ Drains .....	46
„ Back Yards .....	3	„ Downspouts .....	3
„ Soil Pipe.....	1	Insufficient Closet accommo-	
„ Channels .....	1	dation .....	4
„ Slopstone Pipes... 45		„ Flush to W. C..	2
Dirty Closets .....	6	„ Ashpit Accom-	
„ Lodging House .....	1	modation .....	4
„ Back Yards .....	6	Want of Drains .....	8
„ Cattle pen to Slaugh-		„ Flushing Cisterns	
terhouse .....	1	to W. C.....	1
„ Houses .....	2	„ Closet Door .....	1



### Nuisances found existing (continued).

Want of Ashpit Doors .....	4	Brick Drains.....	9
„ Downspouts .....	3	Overcrowded Dwellings.....	2
„ Back Door .....	1	No Ventilation to W. C. ...	1
Accumulation of Refuse ...	1	Dangerous Steps.....	3
„ Manure ...	4	Offensive Lodges.....	2
Burning Waste .....	1	Bell Traps.....	7
Untrapped Drains .....	52	Keeping Pigs .....	1
Slopstone Pipes connected to		„ Poultry .....	2
drains ..	33	Offensive Urinal .....	1
Stagnant sewage in back yds	3	Depositing Slaughter-house	
Emptying slops in passage...	1	Offal near to dwellings..	1
Blocked Gullies .....	9	Defective Roofs .....	4

### Nuisances abated during the Year, 1896.

Slopstone Pipes disconnect-		Refuse removed .....	1
from drain.....	30	Cattle Pen cleaned .....	1
„ made good .....	31	Overcrowded Dwellings .....	2
Closets „ .....	15	Poultry removed .....	2
Ashpits „ .....	9	Back Door provided ...	1
Downspouts „ .....	16	Channel made good .....	1
Eaves Gutters „ .....	5	Reservoir cleaned .....	1
Drains „ .....	13	Stagnant Sewage removed...	3
Roofs „ .....	1	Yard Walls made safe .....	9
Soil Pipe „ .....	1	Dangerous privies „ .....	9
Back Yards „ .....	2	„ ashpits „ .....	5
Waste water closets opened	4	„ steps „ .....	2
Drains trapped .....	29	„ chimney „ .....	1
„ provided .....	3	Damp Bedrooms attended to	6
Sanitary Cans provided.....	24	Downspouts provided .....	2
Pipe Drains to replace brick		„ opened .....	3
drains .....	4	Dirty yard cleaned .....	3
Manure removed .....	6	„ Closets „ .....	3
Ashpit Doors provided .....	3	„ Passage „ .....	1
Closet „ .....	1	„ Lodging house cleaned	1

### Nuisances abated (continued)

Efficient Traps provided.....	8	Privies converted to Waste	
Blocked Gullies opened.....	8	Water Closets.....	7
Pigs and Pigstyes removed..	1	Sanitary Cans to „	8
Burning Waste .....	1	Blocked Drains opened .....	40
Efficient Flush provided to		Provision made for emptying	
W. C. ....	1	Sanitary Cans .....	1
Dirty Houses cleaned.....	3	Wet open ashpits converted	
Slaughter-house offal remov'd	1	to dry ashpits .....	15
Bell Traps removed.....	3		
Privies converted to Sanitary			
Cans .....	14		

### Nuisances requiring Abatement on the 31st Dec., 1896.

Defective Closets.....	10	No Drain .....	2
„ Ashpits .....	9	Untrapped Drains .....	23
„ Downspouts .....	14	Insufficient Closet accom-	
„ Eaves Gutters ...	9	modation .....	3
„ Slopstone Pipes... 19		Want of Ashpit Door ..	1
„ Drains .....	3	Blocked Drains.....	4
„ Trap Basins ...	3	Dangerous House Floors ...	2
„ Backyards .....	2	„ Steps .....	2
„ Sanitary Cans ...	5	Insufficient Flush to W. C.	1
Brick Drains .....	3	No Flushing Cistern to W.C.	1
Dirty Closets.....	1	Offensive Urinal .....	1
Dangerous House Chimney	1	Damp Rooms .....	9
No Downspout .....	1	No Ashpit .....	1
Slopstone Pipes connected to		Dirty Backyards .....	1
Drain .....	15	Dangerous Closet.....	1
		Bell Traps.....	7



## Removal of Nightsoil and Dry Ashes.

Month.	Number of Pails Empt'd	Loads	Cost per Month.			Cost per Pail.	Loads. Mid-Dry		Cost per Month			Cost per Load		Total Cost per Month.		
			£	s.	d.	d.			£	s.	d.	s.	d.	£	s.	d.
January..	12459	224	47	16	1	920	286	283	102	6	11	3	7	150	3	0
February.	10460	184	41	1	4	942	273	240	66	10	4	3	1	107	11	8
March...	10530	191	41	7	9	943	306	193	63	16	11	2	6½	105	4	8
April....	13418	234	53	11	6	958	294	330	81	4	6	2	7	139	10	6
May.....	10629	188	41	7	9	934	188	236	63	3	4	2	11¾	104	11	1
June.....	10877	195	41	14	2	921	255	290	57	12	2	2	1¼	99	6	4
July.....	13241	229	51	19	6	942	302	329	76	2	6	2	4¾	128	2	0
August..	10148	172	40	2	1	948	183	274	59	0	9	2	7	99	2	10
September	13974	253	57	2	2	980	242	382	75	16	5	2	5½	132	18	7
October..	10720	190	42	7	0	948	137	304	65	15	0	2	11	108	2	0
November	10750	188	42	7	0	945	210	284	65	9	4	2	7¾	107	16	4
December	13668	247	54	4	4	952	229	383	77	1	7	2	6	131	5	11
Ttl for yr	140874	2495	555	0	8		2905	3528	853	19	9			1413	14	11

Total 1896.....	Pails emptied	140874
„ 1895.....	„ „	136557—4317 Increase.
„ 1896.....	Load Pails	2495
„ 1895.....	„ „	2354—141 increase.
„ 1896.....	Midden Loads	2905
„ 1895.....	„ „	2757—148 increase.
„ 1896.....	Dry ashes „	3528
„ 1895.....	„ „ „	3134—394 increase.

Total cost for 1896.....£1413 14 1

„ „ 1895.....£1349 11 5 — 64 2 8 Increase.

Total cost per load, pails, middens, & ashes, 1896..£0 3 2

„ „ „ „ 1895..£0 3 3½ — 0 0 1½ decr'se.



## Smoke Observations.

Firm.	Address.	Number of Observations.	Average Black Smoke per hour	
			M.	S.
Albany Spinning Co.....	Old Hall Street .....	4	4	27 $\frac{1}{2}$
Tonge Vale Spinning Co....	Tonge Vale .....	3	14	15
Middleton & Tonge Spinn'g Co., No. 3.....	Dane Street.....	1	8	0
T. B. Wood & Son, Ltd. ...	Suffield Street.....	3	4	43 $\frac{1}{3}$
Irk Mill Co. ....	Oldham Road .....	5	1	14
Irkdale Bleachworks.....	Algernon Street .....	6	12	58 $\frac{1}{3}$
E. Kempsey & Co.....	Townley Street .....	6	8	38 $\frac{1}{3}$
Townley Spinning Co.....	Spring Vale .....	4	6	48 $\frac{3}{4}$
Gorton & Halliday .....	Park Lane .....	4	2	55
Parker, Lord, & Co. ....	Oldham Road.....	1	13	45
Salis Schwabe & Co.....	Rhodes.....	3	22	10
Hy. Cocker & Co. ....	Wood Street .....	3	5	30
David Walker.....	Gas Street .....	3	3	55
Mather, Ormesher, & Co...	Manchester New Rd.	3	7	28 $\frac{1}{2}$
Thomas Partington .....	Green Street .....	2	15	57 $\frac{1}{2}$
Mark Fletcher & Son .....	Wood Street .....	4	6	42 $\frac{1}{2}$
Walker Hulton .....	Kemp Street .....	1	0	0
Wilton Manuf'g. Co., No. 1	Townley Street .....	2	0	0
„ No. 2	„ .....	2	2	15
S. Lawton & Sons.....	Cross Street.....	1	1	0
Richard Ashworth & Sons	Spring Vale.....	2	0	22 $\frac{1}{2}$
Fleming, Mc Farlane & Co.	Dane Street.....	1	0	0
W. G. Thompson & Co. ...	Tonge Springs.....	1	1	15
Jopson, Ashworth, and Edmonds.....	Kid Clough .....	2	0	52 $\frac{1}{2}$
Obadiah Ashworth & Co....	Rhodes .....	2	3	10
Rhodes Manufacturing Co.	„ .....	1	6	15
S. Barlow & Co.....	Stakehill .....	2	14	20

## Smoke Observations (continued)

Firm.	Address.	Number of Observations.	Average Black Smoke per hour	
			M.	S.
Chamber Colliery Co. ....	Alkington .....	1	7	15
Dickins & Heywood, No. 1	Spring Vale .....	1	10	10
Boarshaw Raising and Fin- ishing Co. ....	Boarshaw .....	1	0	0
Middleton & Tonge Spin'g. Co., No. 1.....	Dane Street.....	2	13	0

During the year Seventy-seven observations have been taken, and the limit of twelve minutes allowed by your Committee, has been exceeded on fifteen occasions. in each case notice was ordered and served for the abatement of the nuisance.

In one case, the Tonge Vale Spinning Co., proceedings were ordered, and a penalty of five shillings and costs was inflicted.

The average time that black smoke was emitted for the seventy-seven observations is two minutes thirty-six seconds.

## Canal Boats Acts.

M'th.	No. of Inspections.	M'th.	No. of Inspections
Jan.	8	Aug.	2
Feb.	11	Sept.	1 3 children on board, ages 1, 3, & 5 years.
Mar.	6 1 child 12 yrs. of age on brd.	Oct.	0 No boats met this month.
April	7 " 5 "	Nov.	3 1 boat leaked, and did not produce the certificate.
May	3	Dec.	4 2 children on board, ages 7 & 6 years.
June	6 1 boat without certificate.		
July	4		
Total.....		55	

Of the 55 Boats inspected, 2 failed to produce the Certificate when asked for, and 1 was found to be defective, which caused the sleeping place to be damp. The Boats were registered for 225 persons and occupied by 158 persons, comprising 105 males, 27 females (adults), and 26 children. The cabins were clean, and free from overcrowding and Infectious Disease.



## Market Receipts.

Month.				Number of Stallholders.	Cost of Sweeping.		
	£	s.	d.		£	s.	d.
January .....	8	3	0	135	0	9	0
February .....	7	2	7	164	0	7	2
March .....	10	16	6	170	0	8	4
April .....	6	8	9	138	0	10	8
May .....	7	7	0	184	0	6	8
June .....	8	5	9	209	0	7	2
July .....	7	6	8	194	0	5	10
August .....	50	0	3	282	1	0	4
September .....	6	6	5	104	0	8	10
October .....	6	14	1	166	0	7	8
November .....	8	11	0	180	0	9	6
December .....	4	2	2	99	0	7	0
	£131	4	2	2025	£5	8	2

Receipts 1896.....	131	4	2	Cost of sweeping, 1896...	5	8	2
„ 1895.....	140	1	8	„ 1895...	4	0	3
Decrease .....	£8	17	6	Increase .....	£1	7	11

## Infectious Disease.

	No. of cases reported.	Removed to Hospital.	Rooms fumigated.
Scarlet Fever.....	82	1	167
Small Pox .....	2	2	8
Typhoid Fever .....	7	1	8
Erysipelas .....	16	—	—
Diphtheria .....	15	—	12
Puerperal Fever.....	3	—	—
Membranous Croup .....	9	—	4
Total.....	134	4	199



### Contagious Disease (Animals) Act.

No outbreaks have occurred during the year. One case of pleuro-pneumonia was reported, but upon investigation was found to be untrue.

Two postmortem examinations of dogs supposed to be suffering from rabies have been made during the year: in both cases the animals were pronounced free from disease.

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### Shop Hours Act.

During the year, twenty-eight shops were visited, in which young persons (under 18 years of age) were employed contrary to the provisions of the above Act, by employing such young persons without having exhibited in a conspicuous place a notice referring to the provisions of the Act, and stating the number of hours per week a young person may lawfully be employed. In each case the employer was cautioned, and supplied with a copy of the necessary notice.

I am,

Yours obediently,

**Charles Hy. Norton,**

Inspector of Nuisances.

# List of Sanitary Conveniences of Factories situated within the Borough.

Name of Firm.	Situation.	Nature or Class of Sanitary Convenience.			No. of Persons Employed.		No. of Closets for each sex.		Crinals	Remarks.
		W.C.	P.	C.	K.	M.	F.	M.	F.	
Wilton Manufacturing Co.	Townley Street	0	0	9	0	71	200	4	5	2
Parker, Lord, & Co.	Oldham Road	0	3	14	0	147	373	7	10	1 Flushed with buckets.
Dane Mills, No. 1 & 2	Dane Street	0	0	16	0	96	130	10	6	2 " "
" 3	"	0	0	8	0	112	44	5	3	1 " "
" 4	"	0	0	10	0	155	58	5	5	0 " "
W. G. Thompson & Co.	Tonge Springs	0	3	0	0	18	0	3	0	0
R. Ashworth & Sons	Middleton Junction	9	0	0	0	20	160	2	7	1 Flushed with condensed Steam, runs into the river.
Jopson, Ashworth, and Edmonds	Kid Street	0	0	5	0	40	0	5	0	1 Flushed with buckets.
Mark Fletcher & Son	Wood Street	0	0	5	0	47	6	3	2	0 Very dirty when visited.
W. H. Earnshaw	Manchester New Rd.	0	0	0	0	4	0	0	0	0
Wholesale Co-op. Society	Mills Hill Road	25	0	0	0	53	70	13	12	4
Thorburn & Co.	"	0	5	0	0	30	60	2	3	0 Closets are situated in Chadderton.
R. Mc Bride	Off Wood Street	0	0	1	0	14	0	1	0	0
Hy. Kay & Co.	Fielding Street	0	0	5	0	1	11	2	3	0
Robert Hilton	Parsons Fields	0	0	2	0	19	9	1	1	0



