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Contributors

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STANLEY,

January 22nd, 1906.

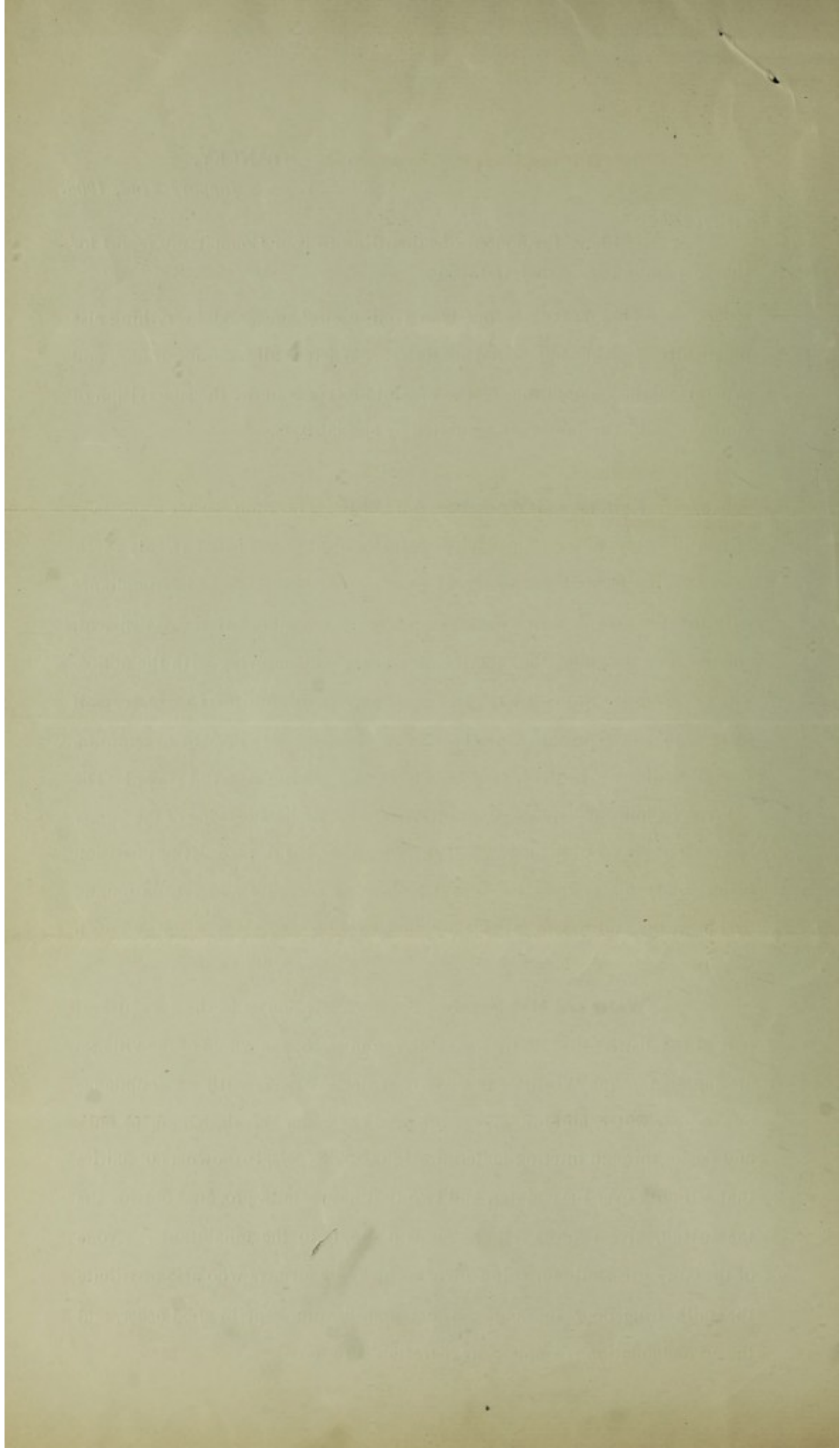
GENTLEMEN,

I have the honour of submitting to your Council, my report for the year ending December 31st, 1905.

The District is purely a coal-mining one, and everything else practically depends upon that industry. Whereas all factories, trades, and general sanitary condition of the inhabitants come under the supervision of your Council: the mines are regulated by special Acts.

Factory and Workshop Act, 1901. There are fourteen that may be considered factories, *i.e.*: employing mechanical power; and twenty-seven workshops. The whole have been examined and found to be in compliance with the Act, except in two instances, where the accommodation was deficient; one has been remedied, the other is in process of complying with the notice. The Co-operative Stores are the largest employers, all the others are on a small scale, and in no instance are the number of employees sufficient to require a special certificate. In the case of brickworks, no glazing material is used. The bakeries include one wholesale and three retail. The limewashing of the former has been attended to regularly. The objects of the Act consist of provision being made for ready escape in the case of fire, sufficient ventilation, no overcrowding and ample privy accommodation.

Water and Milk Supply. Except a few houses in the agricultural part of the district that derive their water from wells, the whole of the villages are supplied by the Weardale & Consett Water Company with an abundance of excellent water, laid into every house. The water is collected on the fells, and passes through filtering material. Ten cow-keepers, two owners of dairies that sell milk over the counter, and two that hawk milk procured outside the the district, give a constant and abundant supply to the inhabitants. None of the cows are stall-fed, being owned chiefly by farmers who also distribute the milk from door to door. The cowsheds are kept in good order, and the accommodation is ample. Registration is in force.



Surveyor and Inspector Departments. House building has been fairly active during the past year: certificates of habitation were given for the occupation of 188 dwellings. These consisted of 104 self-contained houses and 84 tenemented. The former were made up as follows, viz.: 21 having 5 rooms; 29 with 4 rooms; and 54 with 3 rooms. The 84 tenements consisted of 4 rooms up and 3 rooms down. The yards together with all sanitary requirements, have been completed in a most satisfactory manner.

Housing of the Working Classes Act. Under this Act a considerable amount of work has been done, no less than 142 dwelling-houses were dealt with for various defects; 118 were thoroughly repaired, and made comfortably habitable, 14 were permanently closed, and 10 are under consideration, which probably may end in closure. Amongst the various repairs might be noted those carried out in Joicey Square; 73 houses were re-floored with cement, and all cases of dampness removed; 48 of this number were back-to-back houses, and in each house a ventilator was inserted. Notices given, both formal and verbal, for the removal of nuisances and other sanitary defects, amounted to 315, and in one instance only was it found necessary to take legal proceedings for refusing compliance. The prosecution arose in consequence of a nuisance created by a caravan with wooden erections being set up near the dwellings. The case failed through a technical error, and departure from the district ended the affair. The objectionable outoffices are steadily disappearing; 20 new earth-closets were substituted for the same number of privy-middens.

Scavenging is carried out systematically, and the streets are kept in good order. The removal of the refuse is let by contract and supervised by the Inspector. No nuisance arises from the deposits for refuse.

Lodging Houses. There are two licensed lodging-houses, both under the same management, and they are conducted in compliance with the Bye-laws in force.

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Slaughter Houses. The slaughter houses are kept very cleanly, all offal is removed quickly.

Sewage Works. Large works have recently been constructed for the treatment of sewage from two-thirds of the district. Within a couple of months the last sewer will be attached to the works, and the whole system made complete. The works were thoroughly tested and the result has been most satisfactory. The effluent flows out perfectly clean.

ZYMOTIC DISEASES.

The number of cases of notifiable diseases reported during the year amounted to a total of 182, and this number was made up as follows, *viz.*: Scarletina, 98; Diphtheria, 58; Enteric Fever, 11; and Erysipelas, 15. The cases reported in the previous year reached a total of 218; shewing a decrease of 36 for the year 1905, and this decrease is entirely owing to the decline of Scarletina.

Diphtheria. Cases of this disease occurred every month during the year, but it never assumed the form of an epidemic. Careful isolation may eventually clear the district, as signs are not wanting to shew that the outbreak is passing off. All other forms of throat affection appear to have ceased with the advent of Diphtheria.

Scarlatina. Although there has been a marked decrease of cases of Scarletina as already mentioned, yet its banishment from crowded colliery villages is scarcely to be expected. The germs given off during the peeling stage are most difficult to destroy, and, under certain circumstances, may remain active after careful disinfection. The migratory habits of the miners tend to distribute the disease, and there is the fact that for many years Scarletina has been a "permanent" disease in these villages.

The number of cases of ...

The number of cases of ...

SYMPTOMATIC DISEASE

The number of cases of ...

Diphtheria ...

Scarlatina ...

Enteric Fever. It may at once be stated that an outbreak of Enteric Fever was not likely to have originated from defective sanitary dwellings. All the cases resided in modern houses. There was no evidence that the milk supply was the least at fault, and certainly the water supply was out of the question. In seven months of the year a single case only occurred each month, and in one instance only could the origin be traced, and this was due to repeated visits to an infected house in the adjoining district. During the month of October four cases appeared, three of them being the product of the initial case, but how the latter arose was not discovered.

Erysipelas. Whatever the cause may have been to account for the appearance of Erysipelas, the disease was never communicated by direct contact.

NON-NOTIFIABLE INFECTIOUS DISEASES.

The district was invaded by Whooping Cough on three occasions. It never became severely epidemic. There were four fatalities.

Measles. There was only one important outbreak of Measles. It began in May and continued about two months. The R.C. Schools in Stanley and the Board Schools at East Stanley were closed for a short period, with the result that the epidemic declined most rapidly. Only a single case ended fatally.

Diarrhoea was never very prevalent and the mortality was light.

The Hospital Accommodation for infectious diseases is quite equal to any demands that may be made upon it. The public is recognising the advantages of having the patients treated at the Institution, and now less objection is raised to their removal.

The number admitted during the year from this district was 109, being made up as follows, *viz*: Scarlatina, 67; Diphtheria, 32; and Enteric Fever, 10.

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NON NOTIFIABLE INFECTIOUS DISEASES

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VITAL STATISTICS.

The number of births registered during the year was 688 giving a birth rate of 39.3, and the number of deaths was 267, giving a death rate of 15.2, estimating the population at 17,500 at the end of June last. The birth rate is higher and the death rate lower than that of the previous year. Deaths from Infectious Diseases, including Diarrhœa, amounted to 22, being 13 less than the previous year, and equal to 8 per cent of the total deaths.

Infantile Mortality. Although Infantile Mortality was higher during the year 1905 than in the year 1904—being 115 last year and 109 in previous year—yet taking into consideration the increased population, the rate of deaths under one year is considerably less. Nevertheless Infantile Mortality accounts for more than one third of the total number of deaths. It is evident that the Local Government Board is moving in this matter, as an extra form has been supplied, to furnish more particulars as to the various causes of death among infants. Your Council also has had printed pamphlets giving instructions to parents on the dieting of infants and the Registrars have promised to distribute them on the registration of each birth.

The following table will shew at a glance, the comparison of the various percentages of this district with those of the county.

			County.	Stanley Urban.
Birth rate	per 1000	...	34.4	39.58
Death rate	"	...	17.4	15.2
Zymotic death rate	"	...	2.37	2.6
Infantile Mortality per 1000 births		...	159	165.7
Smallpox	per 1000	...	0.002	nil
Scarlet Fever	"	...	0.09	0.58
Diphtheria and Croup	"	...	0.25	0.47
Fever, Enteric, etc.	"	...	0.20	0.11
Measles	"	...	0.48	0.11
Whooping Cough	"	...	0.47	0.47
Diarrhœa	"	...	0.90	0.35
Enteritis, etc.	"	...	0.36	1.23
Phthisis	"	...	1.00	1.41
Other Tubercular Diseases		...	0.74	2.94
Respiratory Diseases		...	3.16	5.06

VITAL STATISTICS

The number of births recorded during the year was 1,234, and the number of deaths was 567. The sex ratio was 100 males to 105 females. The average age at death was 72 years. The leading causes of death were heart disease, cancer, and pneumonia. The infant mortality rate was 25 per 1,000 live births.

Infant mortality. Infant mortality has been steadily declining since 1900. In 1900 the rate was 100 per 1,000 live births, but by 1950 it had fallen to 25 per 1,000. This is due to a number of factors, including better prenatal care, improved infant care, and the widespread use of antibiotics. The leading causes of infant death are congenital anomalies, prematurity, and infections.

The following table shows the number of births and deaths by race and sex for the year 1950.

Race	Sex	Births	Deaths
White	Male	650	280
White	Female	580	250
Black	Male	150	70
Black	Female	130	60
Other	Male	30	15
Other	Female	24	12
Total	Male	830	360
Total	Female	734	357

Attached are the various schedules or Forms supplied by the Local Government Board, and these include "Factory & Workshops Act," "Sickness from 'Notifiable Diseases'," "General Mortality," "Infantile Mortality," and "Statistics for the past ten years."

I remain, Gentlemen,



Your obedient servant,

T. BENSON,

Medical Officer,

THE URBAN DISTRICT COUNCIL, STANLEY.

T. BENSON


STANLEY URBAN DISTRICT.


VITAL STATISTICS FOR WHOLE DISTRICT.

TABLE I.

Year.	Population estimated to middle of each year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES.		Deaths as Public Institutions.	Deaths of Non-residents registered in District.	Deaths of registered residents beyond District.	DEATHS AT ALL AGES, NETT.	
		Number.	Rate.*	Number.	Rate per 1,000 Births registered.†	Number.	Rate.*				Number.	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1895	10,400	373	35.9	90	241.28	215	20.6			5	215	20.6
1896	11,000	417	38	78	187	208	19			6	213	19
1897	11,500	392	34	66	168.3	194	16.5			6	200	17
1898	12,000	508	42.3	104	204.7	226	19			12	238	18
1899	12,500	493	39.3	101	204.7	219	17.5			6	225	18
1900	13,200	512	38.8	81	156	215	16.3			7	222	17
1901	13,600	564	41.5	96	107.2	246	18			10	256	18.8
1902	14,300	556	39	112	201.1	266	18.6			6	272	18.8
1903	15,500	623	40	111	176.5	267	17			14	281	18
1904	17,000	636	37.41	109	171.5	274	16.1			9	283	16.5
Averages for years 1895—1904.	13,100	507	38.62	95	181.82	233	17.86			7	240	18.7
1905	17,500	688	39.3	114	165.7	255	14.5			12	267	15.2

* Rates calculated per 1,000 of estimated population.

Total Population at all ages, 13,554.

Number of Inhabited Houses, 2,302.

Average number of Persons per house, 6.7, at Census of 1901

Area of District in acres, 3,593.

STANLEY URBAN DISTRICT

STATE STATISTICS FOR WHOLE DISTRICT

Ward	Population	Male	Female	Total
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STANLEY URBAN DISTRICT.



TABLE III.

Cases of Infectious Diseases notified during the year 1905.

NOTIFIABLE DISEASE.	AT AGES—YEARS.							Number of Cases removed to Hospital.
	At all Ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	
Smallpox ...								
Cholera ...								
Diphtheria ...	58		15	36	2	5		32
Membranous Croup ...								
Erysipelas ...	15		1		2	12		
Scarlet Fever ...	98	1	36	57	3	1		67
Typhus Fever ...								
Enteric Fever ...	11					11		10
Relapsing Fever ...								
Continued Fever ...								
Puerperal Fever ...								
Plague ...								
Totals	182	1	52	93	7	29		109

TABLE III

STAINLESS STEEL

General Information on the various grades of stainless steel

Grade	Composition	Properties	Applications
304	18% Cr, 8% Ni	Good corrosion resistance, ductile	Food processing, chemical equipment
316	16% Cr, 10% Ni, 2% Mo	Superior corrosion resistance	Marine environments, pharmaceutical
321	18% Cr, 11% Ni	Stable at high temperatures	Heat exchangers, turbine parts
430	16% Cr	Good oxidation resistance	Decorative applications, automotive



STANLEY URBAN DISTRICT.



TABLE IV.

Causes of, and Ages at, Death during the year 1905.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBDIVIDED AGES.							Deaths in Public Institutions
	All Ages	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	
Measles	1	1						
Scarlet Fever	5	1	1	2			1	
Whooping-cough	4	2	2					
Diphtheria & membranous croup	4		1	3				
Enteric Fever	1					1		
Epidemic Influenza	2	1				1		
Diarrhoea	3	3						
Enteritis	11	8					1	
Peurperal Fever	2		2		1	1		
Erysipelas	2					2		
Phthisis, pulmonary tuberculosis	12			1	5	6		
Other tubercular diseases	23	15	4	2	1	1	1	
Cancer, malignant disease	4					3	1	
Bronchitis	35	18	10			6	1	
Pneumonia	8	1	2	1	1	3		
Other Respiratory diseases	9	8				3		
Alcoholism, Cirrhosis of liver	2					2		
Veneral diseases	1	1						
Premature birth	18	18				1		
Diseases & accidents of parturition	5	2			2	12	5	
Heart diseases	21		1	2	2	4		
Accidents	7				2	3		
Suicides	3					3		
All other causes	84	36	7	3	2	22	14	
All causes	267	115	30	14	17	68	23	

STANLEY URBAN DISTRICT
 TABLE IV
 CENSUS OF 1901

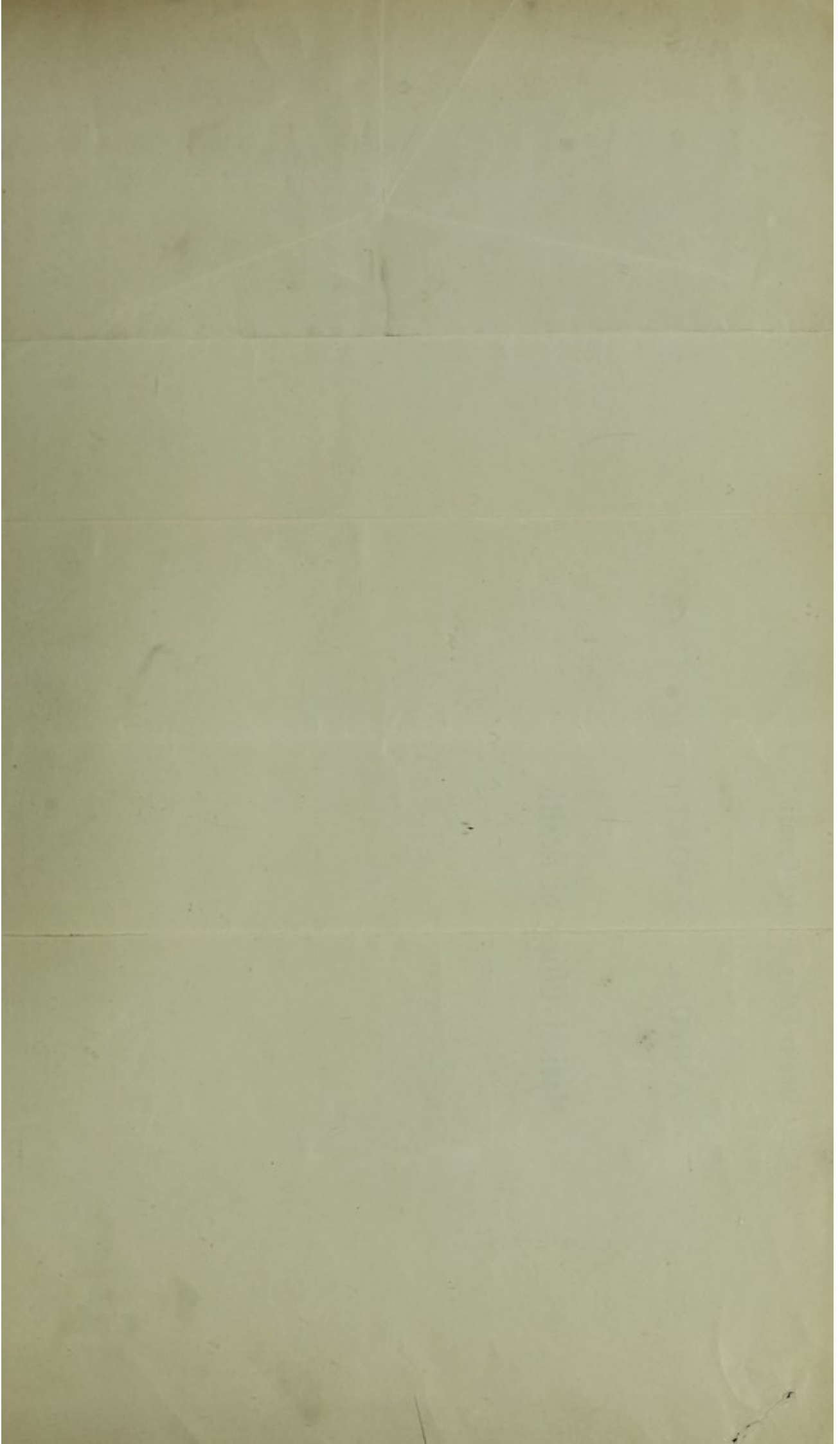
Ward	Population	Male	Female	Total
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STANLEY URBAN DISTRICT

TABLE A

Population Statistics - 1901

Ward	Population	Male	Female	Total
1	1,234	612	622	1,234
2	1,567	783	784	1,567
3	1,890	945	945	1,890
4	2,123	1,061	1,062	2,123
5	2,456	1,228	1,228	2,456
6	2,789	1,394	1,395	2,789
7	3,123	1,561	1,562	3,123
8	3,456	1,728	1,728	3,456
9	3,789	1,894	1,895	3,789
10	4,123	2,061	2,062	4,123
11	4,456	2,228	2,228	4,456
12	4,789	2,394	2,395	4,789
13	5,123	2,561	2,562	5,123
14	5,456	2,728	2,728	5,456
15	5,789	2,894	2,895	5,789
16	6,123	3,061	3,062	6,123
17	6,456	3,228	3,228	6,456
18	6,789	3,394	3,395	6,789
19	7,123	3,561	3,562	7,123
20	7,456	3,728	3,728	7,456
21	7,789	3,894	3,895	7,789
22	8,123	4,061	4,062	8,123
23	8,456	4,228	4,228	8,456
24	8,789	4,394	4,395	8,789
25	9,123	4,561	4,562	9,123
26	9,456	4,728	4,728	9,456
27	9,789	4,894	4,895	9,789
28	10,123	5,061	5,062	10,123
29	10,456	5,228	5,228	10,456
30	10,789	5,394	5,395	10,789
31	11,123	5,561	5,562	11,123
32	11,456	5,728	5,728	11,456
33	11,789	5,894	5,895	11,789
34	12,123	6,061	6,062	12,123
35	12,456	6,228	6,228	12,456
36	12,789	6,394	6,395	12,789
37	13,123	6,561	6,562	13,123
38	13,456	6,728	6,728	13,456
39	13,789	6,894	6,895	13,789
40	14,123	7,061	7,062	14,123
41	14,456	7,228	7,228	14,456
42	14,789	7,394	7,395	14,789
43	15,123	7,561	7,562	15,123
44	15,456	7,728	7,728	15,456
45	15,789	7,894	7,895	15,789
46	16,123	8,061	8,062	16,123
47	16,456	8,228	8,228	16,456
48	16,789	8,394	8,395	16,789
49	17,123	8,561	8,562	17,123
50	17,456	8,728	8,728	17,456
51	17,789	8,894	8,895	17,789
52	18,123	9,061	9,062	18,123
53	18,456	9,228	9,228	18,456
54	18,789	9,394	9,395	18,789
55	19,123	9,561	9,562	19,123
56	19,456	9,728	9,728	19,456
57	19,789	9,894	9,895	19,789
58	20,123	10,061	10,062	20,123
59	20,456	10,228	10,228	20,456
60	20,789	10,394	10,395	20,789
61	21,123	10,561	10,562	21,123
62	21,456	10,728	10,728	21,456
63	21,789	10,894	10,895	21,789
64	22,123	11,061	11,062	22,123
65	22,456	11,228	11,228	22,456
66	22,789	11,394	11,395	22,789
67	23,123	11,561	11,562	23,123
68	23,456	11,728	11,728	23,456
69	23,789	11,894	11,895	23,789
70	24,123	12,061	12,062	24,123
71	24,456	12,228	12,228	24,456
72	24,789	12,394	12,395	24,789
73	25,123	12,561	12,562	25,123
74	25,456	12,728	12,728	25,456
75	25,789	12,894	12,895	25,789
76	26,123	13,061	13,062	26,123
77	26,456	13,228	13,228	26,456
78	26,789	13,394	13,395	26,789
79	27,123	13,561	13,562	27,123
80	27,456	13,728	13,728	27,456
81	27,789	13,894	13,895	27,789
82	28,123	14,061	14,062	28,123
83	28,456	14,228	14,228	28,456
84	28,789	14,394	14,395	28,789
85	29,123	14,561	14,562	29,123
86	29,456	14,728	14,728	29,456
87	29,789	14,894	14,895	29,789
88	30,123	15,061	15,062	30,123
89	30,456	15,228	15,228	30,456
90	30,789	15,394	15,395	30,789
91	31,123	15,561	15,562	31,123
92	31,456	15,728	15,728	31,456
93	31,789	15,894	15,895	31,789
94	32,123	16,061	16,062	32,123
95	32,456	16,228	16,228	32,456
96	32,789	16,394	16,395	32,789
97	33,123	16,561	16,562	33,123
98	33,456	16,728	16,728	33,456
99	33,789	16,894	16,895	33,789
100	34,123	17,061	17,062	34,123



Stanley Urban District Council.

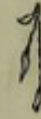

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE

YEAR 1905.

STANLEY, 22nd, 1906.
January

ALEX. WHINLAY, PRINTER, WEST STANLEY.

Stanley Urban District Council.

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