

**[Report 1897] / Medical Officer of Health, Walton-on-Thames U.D.C.**

**Contributors**

Walton-on-Thames (England). Urban District Council.

**Publication/Creation**

1897

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Urban District Council.

Walton-on-Thames.


CLERK  
P. H. WEBB,  
SOLICITOR,  
WALTON-ON-THAMES

23<sup>rd</sup> Feby. 1898.

Dear Sir

I now enclose  
a copy of the report of the  
Medical Officer of Health  
for this Council as you  
request.

Yours truly,  
Percy H. Webb  
Jr.



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# Third Annual Report

. . . ON THE . . .

WALTON-ON-THAMES

# URBAN DISTRICT.

. . . BY . . .

E. L. JACOB,

*MEDICAL OFFICER OF HEALTH.*

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1897

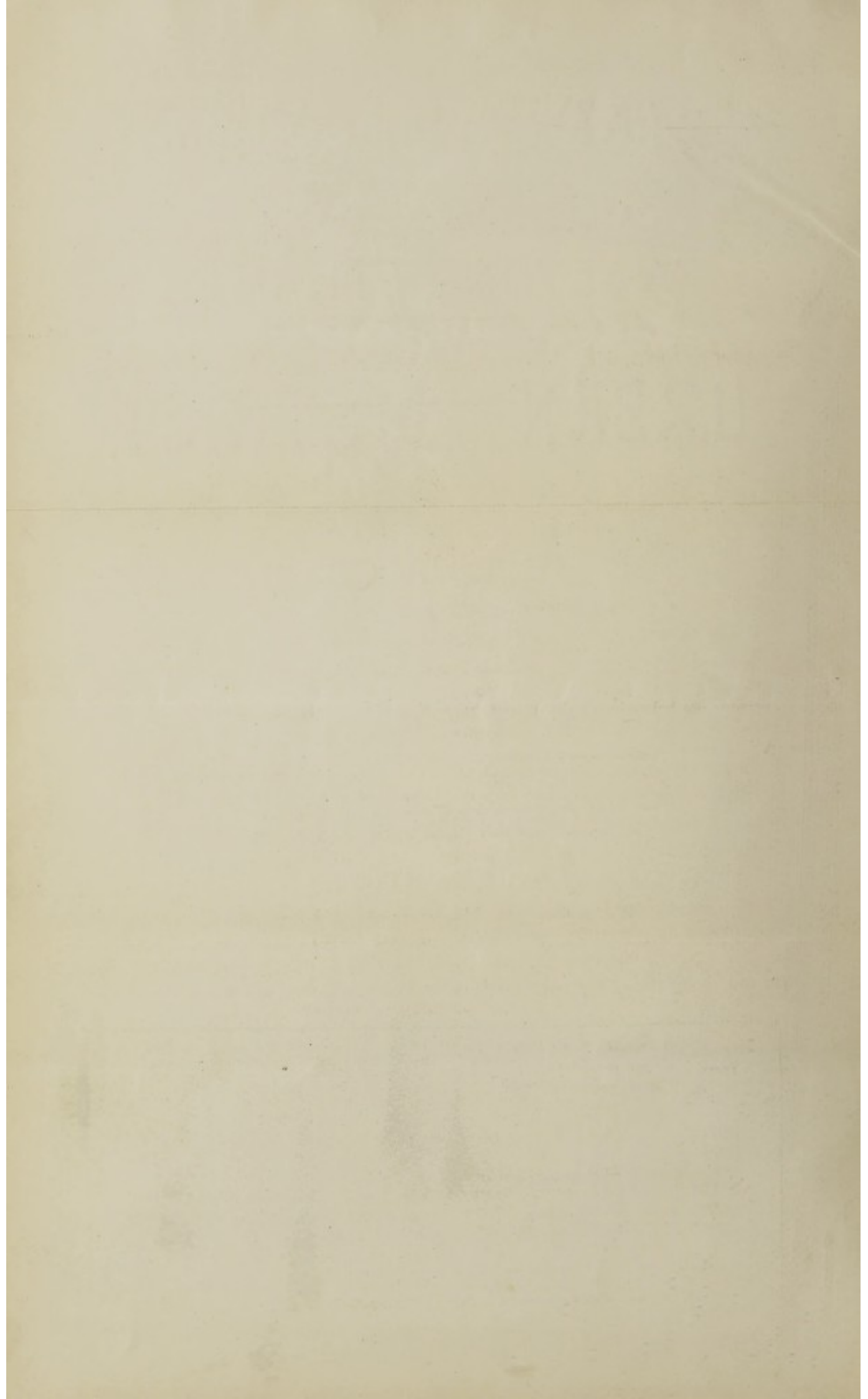
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- IV. APPENDIX, containing certain TABLES of *Sickness and Mortality*.

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*Prepared in accordance with sec. 14 of the Order of the Local Government Board, dated 23rd March, 1891, Regulating the Duties of Medical Officers of Health.*



# WALTON-ON-THAMES URBAN DISTRICT.

AREA	-	-	-	6860	acres.
NUMBER OF INHABITED HOUSES	{	at census 1881	-	1225	
		at census 1891	-	1547	
POPULATION	{	at census 1881	-	6,572	
		at census 1891	-	7,988	

## *Report of the Medical Officer of Health with regard to the Year 1897.*

### I.—Statistics for the year: (Births and Deaths.)

1. Assuming that the population of the district has increased at the same rate since the census 1891 as it did during the preceding decade, it may be estimated at 8,800 persons in the middle of the year.

2. The number of Births registered in the district during the year was 215, (as against 195 in the preceding year) which represents an Annual Birth-Rate of 24.4 per 1000 of the estimated population.

3. The number of Deaths registered in the district during the the year was 78, to which must be added eight deaths in the Workhouse and County Asylum of persons belonging to the district. Deducting two deaths in the Convalescent Institution of persons not belonging to the district, there remain 84 deaths, which represent an Annual Death-Rate of 9.5 per 1000 of the estimated population. (See also Tables A and C.)

4. The Deaths of Infants under one Year were twenty-one in number, (as against 13 in the preceding year), and were at the rate of 97 per 1000 Births registered.

5. The Deaths from Pulmonary Consumption, (10 in number,) were at the rate of 1.1 per 1000 of the estimated population.

6. The Deaths from other Lung Diseases (Pleurisy, Pneumonia, and Bronchitis) were thirteen in number, as against 15 in the preceding year, and were at the rate of 1.5 per 1000 of the population. (See also the following Table.)

*Table, showing certain Death-rates, and the Annual Birth-rate, of the District, for each of the years 1891 to 1897, and also the average of those rates for the ten years, 1881-90.*

Years.	Annual Birth-rate per 1000 of the population	Deaths from all causes	Deaths of Children under 1 year	Deaths from Consumption.	Deaths from other Lung Diseases
		Annual rate per 1000 living	Per centage to Registered Births	Rate per 1000 living.	Rate per 1000 living.
1897	24.4	9.5	9.7	1.1	1.5
1896	22.7	9.3	6.7	1.2	1.7
1895	24.0	13.5	9.2	0.8	3.5
1894	25.3	13.6	6.5	0.6	2.7
1893	25.0	10.5	16.5	1.1	2.6
1892	25.5	13.6	11.1	1.1	2.8
1891	28.0	14.6	9.0	1.2	3.0
Average of 10 yrs 1881-1890.	28.3	12.8	8.0	1.1	2.0

## II.—Summary of Sickness and Mortality during the year from the Seven Principal Zymotic Diseases, and from certain other diseases to which the Infectious Diseases (Notification) Act, 1889, applies, & of the action taken for preventing their spread.

1. *Smallpox*. No case of this disease was reported.
2. *Measles* caused no death.
3. *Whooping Cough* caused no death.
4. *Scarlet Fever* (otherwise called *Scarlatina*) was notified in thirteen houses, viz: in nine houses at Hersham; in two at Oatlands, and in two at Walton.

Four of the infected houses at Hersham were in Felcote Lane. Altogether fifteen persons were attacked, of whom seven were removed to the Joint Isolation Hospital at Ottershaw. None of the cases ended fatally. (See also Tables B and D.)

5. Of *Diphtheria*, there were four cases in four houses, three of which were in different parts of Hersham, and one was in New Road, Walton. Three of the patients were removed to the Isolation Hospital. None of the cases ended fatally. The dates of the attacks were as follows; viz. one in January, one in May, one in June, and one in November.

6. Of *Enteric* (otherwise called *Typhoid*) *Fever*, four cases were notified, the principal features of which are shown in the following Table—

Situation of Premises	Persons attacked.	Dates of attack	Water supply from	Probable source of infection.	Remarks
Winchester Villas, Walton	Girl, aged 11	January 10th	West Surrey Company	not traceable	
Broad Lane, Walton.	Man, aged 39	January 10th	dipwell, (water found impure)	ditto	Patient had a relapse in May and was then removed to the Isolation Hospital, where he died in June from acute Tuberculosis.
Broad Lane, Hersham.	Man, aged 35	May 5th	well	ditto	Patient was removed to the Isolation Hospital on May 17th.
Broad Lane, Walton.	Man, aged 23	August 21st	well, (water found impure)	doubtful, whether abroad or here	Patient was in Belgium from July 31st to Aug. 7th. Offensive overflowing cesspit privy.

7. *Diarrhoea* caused six deaths, five of which were among infants.

The total number of *deaths* from these seven diseases was seven, which represents an *Annual Zymotic Death-rate* of 0.8 per 1000 of the estimated population.

As regards the other Infectious Diseases to which the above-mentioned Act applies; two slight cases of *Erysipelas* were notified, viz., one in September and one in November.

Of *Puerperal Fever*, *Continued Fever*, and *Membranous Creep*, no cases were notified.

The following further *action* was taken for preventing the spread of some of these diseases:—The houses infected with Scarlet Fever, Diphtheria, Erysipelas, or Typhoid Fever, were visited and were supplied, in some instances, with disinfectants for daily use during illness; isolation of the sick was incalculated, and was assisted by the removal of 12 of them to the Hospital; a sanitary inspection of the premises was made, and all nuisances and defects, that were discovered, were remedied as far as was practicable; the well-water when suspected, was analysed; and after the removal, or recovery, of the sick, the infected rooms and their contents were cleansed and disinfected, in most cases after service of notice by the Inspector. Infected articles were removed from 12 houses, and were disinfected by steam at the Hospital.

The number of persons who were admitted into the Isolation Hospital from each constituent district during the year, with the nature of their illness, is shown in the following table:—

Diseases	Chertsey Urban	Chertsey Rural	Weybridge Urban	Walton Urban	Total in 1897	Total 1896	Total 1895	Total 1894	Total 1893	Total 1892	Total 1891	Total 1890	Total 1889	Total 1888	Total 1887	Total 1886	Total 1885	Total 1884	Total 1883	Total 1882
	Scarlet Fever	11	13	5	7	36	66	46	84	117	10	26	35	12	9	29	29	14	42	32
Diphtheria	1	19		3	23	26	31	28	15	46	14	5	7	2	5	3	1	1	1	6
Typhoid Fever		2		2	4	1	1	1							2	5	2	1	1	2
Measles														1						
Small Pox									1	1										

### III.—Summary of other Proceedings which were taken during the year under the Sanitary Acts.

#### 1. As to *Works of Sewerage and Sewage-disposal, and House-drainage.*

The Council made good progress with their scheme for laying sewers in the Hershams Ward, and in certain portions of the Walton Ward, and for treating the sewage on 28 acres of land forming part of North Weylands Farm. Having come to terms with the opponents of the scheme, and made a provisional agreement for the purchase of the land, they applied to the Local Government Board to sanction a loan of £45,000 for this purpose, and for laying the sewers, constructing tanks, providing machinery, and for the other necessary works. In July the Local Government Board caused an Inquiry to be held at Walton into the matter of the application and afterwards sanctioned the loan. Tenders for the execution of the work were then invited and submitted, but no contract had been made before the year closed.

The Surveyor informs me that, during the year, drains of 6 houses were connected with the Sewers at Oatlands, making a total of 197 connections since the sewers were laid.

2. The *removal of house refuse* and the *cleansing of tub-closets, privies, and cesspools*, was undertaken by the Council, as in the previous year.

3. The question of making bye-laws under sec. 9 of the Housing of the Working Classes Act, 1885, for promoting cleanliness in, and the habitable condition of, tents, vans, sheds, and similar structures, and for the prevention of nuisances in connection with the same, &c., was considered, but no action was taken.

4. As to *water-supply*.

Chemical and bacteriological examinations of the Water supplied to the District by the West Surrey Water Company were twice made for the District Council, and a satisfactory report was received on each occasion.

During the year, samples of water, from wells at the under-mentioned places, were analysed, for the District Council, by Mr. W. Power, F. I. C., or myself, with the results shown in the following table.—

Places	Number of samples found good	Number of samples found suspicious or doubtful	Number of samples found to be unfit for domestic use	Total number analysed	Number of premises at which the wells were abandoned and water taken from the mains of the Company	Other action taken
Hersham Ward			5	5	8	
Walton Ward		1	3	4	8	One well was cleaned out and lined with brickwork
Oatlands Ward						

5. A *systematic inspection* of cottages at Hersham, Walton, and Oatlands was again made by my assistant (Dr. Williamson) and myself, with the result that various nuisances arising from defects of the privies, of the drains, and of the dwellings, were dwelt with as far as was practicable, in compliances with notices from the Council. Some defects of drainage were found, which can only be effectually remedied by the provision of the proposed sewers.

6. As to the *Dairies,' Cowsheds,' and Milk-Shops' Orders*.

The Inspector informs me that the premises of the registered Cowkeepers and purveyors of milk were inspected, and that no applications to be registered were received during the year.

7. As to the *Slaughter-houses*. The Inspector informs me that the Slaughter-houses were inspected and that no application was made for a license to erect or occupy a building for use as a Slaughter-house.

8. As to the *Bye-laws relating to new streets and buildings*.

The Surveyor informs me that—

The Number of plans of new-buildings, and of additions to buildings, which were submitted for approval, under the bye-laws, during the year, was . . . . . 123

The Number of plans of new streets, ditto, ditto, was . . . . . 1

9. The Surveyor informs me that the number of roads which were metalled, paved, and otherwise made up during the year, under the *Private Streets Works Act, 1892*, was two, as against two in the preceding year, and eight in 1895.

8, Altenburg Gardens,  
New Wandsworth, s. w.  
January, 1898.

E. L. JACOB, M. O. H.



TABLE C.—Showing certain DEATH RATES and the BIRTH RATES for the Year 1897 in each Rural and Urban District of the Surrey Combined Sanitary District.

Sanitary Districts	Estimated Population at middle of 1897	BIRTHS — Rate per 1,000 of the Population	ANNUAL RATE OF MORTALITY per 1,000 of the POPULATION, from				Percentage of Deaths under one year to Registered Births	NUMBER OF DEATHS FROM									
			ALL CAUSES	The 7 principal Zymotic diseases	Pulmonary Consumption	Other Lung diseases		Small Pox	Measles	Scarlatina	Diphtheria	Membranous Croup	Whooping Cough	Fevers	Diarrhoea		
Chertsey Rural	10,900	26.4	10.2	0.9	0.8	2.0	11.5										10
Chertsey Urban	12,600	25.7	13.9	0.95	2.2	1.5	10.8		1		1		1				9
Weybridge Urban	4,500	18.1	8.2		1.1	0.9	6.8										
Walton Urban	8,800	24.4	9.5	0.8	1.1	1.5	9.7									1	6
Dorking Rural	10,770	17.4	11.2	0.3	1.1	1.3	6.0									2	1
Dorking Urban	7,600	23.5	12.4	1.0	1.3	1.6	7.3				5		1	1	1	1	1
Epsom Rural	16,680	22.6	11.5	0.6	0.8	1.0	10.1				3	1	4	1	2		2
Epsom Urban	9,000	23.7	11.8	1.2	0.8	1.9	14.5										11
Carshalton Urban	5,750	28.0	15.1	2.9	1.2	2.8	18.0			2							15
Sutton Urban	13,800	23.0	13.2	2.5	1.3	1.9	13.9				3		6	3	23		
Leatherhead Urban	4,850	20.8	10.5	1.4	1.0	1.2	8.9			1	1						5
Reigate Rural	15,100	25.3	10.6	0.2	0.66	1.8	8.0									1	2
Reigate Urban	24,400	22.5	11.1	1.06	1.02	1.6	9.6		1	1	2		1	2	19		
Entire District	144,750	23.35	11.56	1.03	1.10	1.6	10.5		—	2	4	15	1	13	11	104	

NOTE.—The Population and Deaths at the Banstead Asylum and at the Kensington and Chelsea District Schools, in the Epsom Rural District; at the South Metropolitan District Schools, in the Sutton Urban District; and at the Earlswood Asylum in the Reigate Urban District, have been excluded from the Table. The Deaths in the Chertsey, Dorking, Epsom, and Reigate Workhouses and Cottage Hospitals of persons belonging to the adjoining Rural Sanitary Districts have been transferred to those Districts.

TABLE D.—Showing the NEW CASES of INFECTIOUS SICKNESS coming to the knowledge of the Medical Officer of Health during the year 1897, in the undermentioned Sanitary Districts.

SANITARY DISTRICTS	Aged under 5 or over 5	NEW CASES OF SICKNESS IN EACH DISTRICT COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH										NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL DISTRICTS FOR TREATMENT IN ISOLATION HOSPITAL					
		Smallpox	Scarlatina	Diphtheria	Membranous Croup	FEVERS					Cholera	Erysipelas	Smallpox	Scarlatina	Diphtheria	Enteric Fever	
						Typhus	Enteric or Typhoid	Continued	Relapsing	Puerperal							
CHERTSEY RURAL	Under 5		1											1			
	5 upwards		10	1			4					4		10	1		
CHERTSEY URBAN	Under 5		4	7								1		2	6		
	5 upwards		13	16			4			3		12		10	13	2	
WEYBRIDGE URBAN	Under 5																
	5 upwards		6				2					1		5			
WALTON URBAN	Under 5		2											2			
	5 upwards		13	4			4					2		5	3	2	
EPSOM URBAN	Under 5		12	2										4			
	5 upwards		30	2			4	1				9		19		2	
SUTTON URBAN	Under 5		4	1										3			
	5 upwards		24	8			11					3		19	1	1	
CARSHALTON URBAN	Under 5		9	1			1							8		1	
	5 upwards		19	1			3			1		2		19		3	
EPSOM RURAL	Under 5		4	4	1							1		1	2		
	5 upwards	1	30	9			5					7	1	19	8		
LEATHERHEAD URBAN	Under 5		10	2										9	2		
	5 upwards		32	4			3							25	2		
DORKING RURAL	Under 5		1	2				1				1					
	5 upwards		3	7			3	1				5					
DORKING URBAN	Under 5			6													
	5 upwards			18			2			2		5					
REIGATE RURAL	Under 5		17											10			
	5 upwards		31	5			4			3		11		19			
REIGATE URBAN	Under 5		21											17			
	5 upwards		101	7			7					6		86	1		
TOTALS IN 1897	Under 5		85	25	1		1	1				3		57	10	1	
	5 upwards	1	312	82			56	2		9		67	1	236	29	10	
TOTALS IN 1896	Under 5		101	33	5		2					6		62	8		
	5 upwards	1	313	116	1		34	1		1		90		214	26	1	
TOTALS IN 1895	Under 5		50	28	2		1	2				5		31	9		
	5 upwards		221	112	1		51	2		8		77		122	35	3	
TOTALS IN 1894	Under 5		60	27	11		2	1				6		29	7		
	5 upwards	3	167	100	1		48	2		10		109	1	139	24	4	
TOTALS IN 1893	Under 5		107	3	20		5					14		38	3		
	5 upwards	31	735	145	4		66	2		18		168	12	256	15	1	

