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Sunderland Rural District



ANNUAL REPORT

of the



Medical Officer of Health

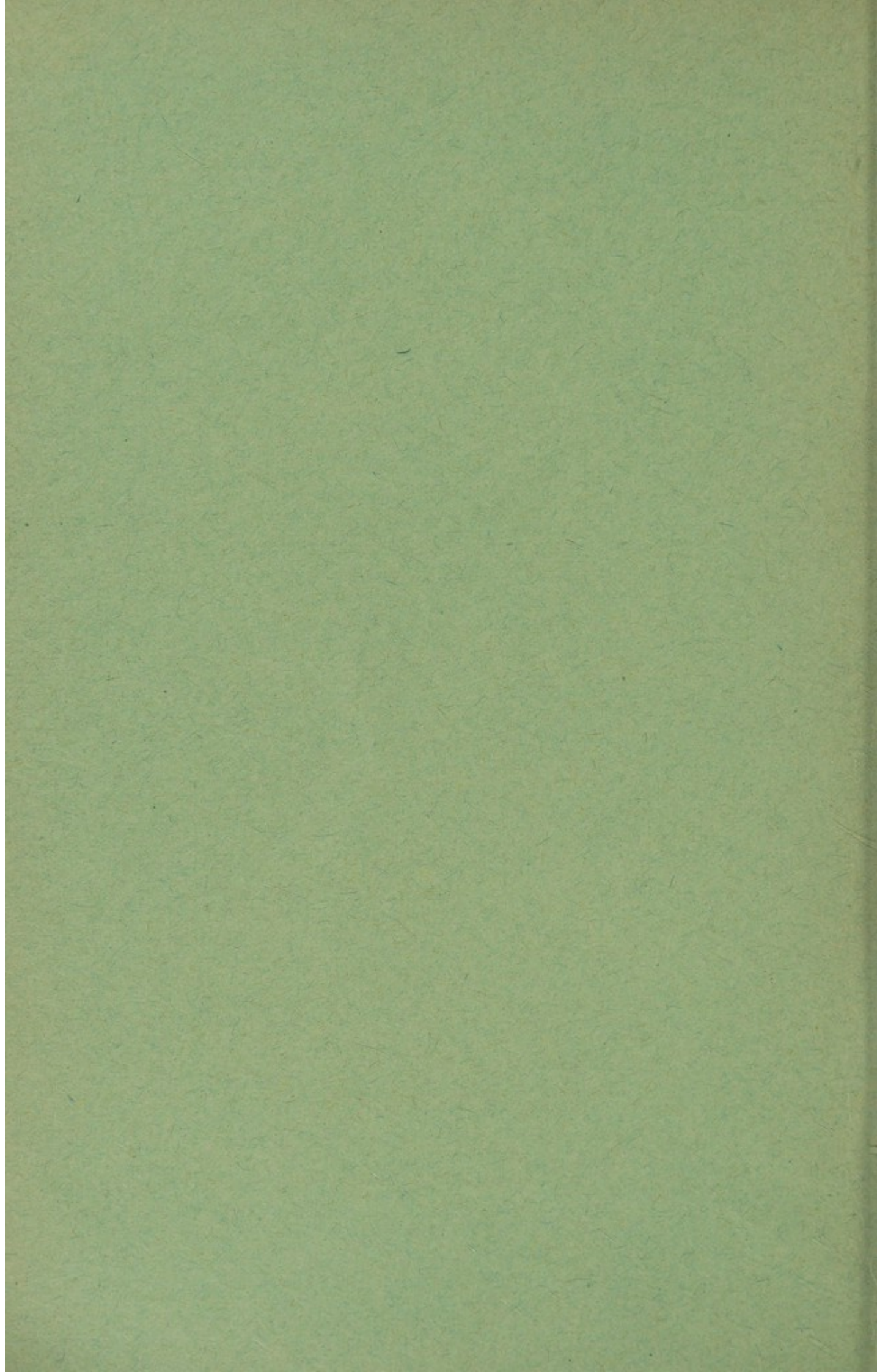
and

Chief Public Health Inspector

FOR THE YEAR 1957

R. C. F. SMITH, M.D., B.S., D.P.H., F.R.I.P.H.,
Medical Officer of Health.

M. B. H. CHURCHILL, M.A.P.H.I.
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SUNDERLAND
RURAL DISTRICT COUNCIL
1957

Chairman:

Councillor W. MULLANEY, J.P.

Vice-Chairman:

Councillor GEO. C. PARK, J.P.

Coun. Mrs. I. Beaney	Coun. Mrs. P. Nicholson
.. W. P. Bewick	.. G. E. B. Perfrement
.. S. Comb	.. W. Sharratt
.. Mrs. D. Coxon	.. T. Sheils
.. J. Cummings	.. H. L. Thoburn
.. A. Lilley	.. Mrs. E. W. Thompson, J.P.
.. H. Miller	.. E. Weightman
.. T. J. Markham	

CHAIRMAN OF THE HEALTH COMMITTEE

Councillor H. MILLER

HEALTH DEPARTMENT

Council Offices,
1, The Esplanade,
Sunderland.

Officials :

Medical Officer of Health :

R. C. F. Smith, M.D., B.S., D.P.H.

Chief Public Health Inspector :

M. B. H. Churchill, M.A.P.H.I.

Additional Public Health Inspector :

W. Woods, M.A.P.H.I.

Clerk to the Health Department :

Miss W. M. Young.

Junior Clerk :

Miss M. R. Wilkinson.

**To the Chairman and Members of the
Sunderland Rural District Council.**

Mr. Chairman, Ladies and Gentlemen,

I hereby submit my Seventeenth Annual Report on the Health and Sanitary conditions of your district, together with the report of the Chief Public Health Inspector, Mr. M. B. H. Churchill.

The following are the main features of the vital statistics. The estimated population of 26,630 shows an increase of 350 over the previous year. The increase of births over deaths was 114; the Live Birth Rate was 21.4 per thousand of the estimated population and the Still-Birth Rate was 0.41 per thousand. There were 11 more deaths this year than last year and the vast majority of deaths were people over the age of 65. Deaths from Cancer were 63, Coronary Thrombosis and Angina, 64—a decrease of 13 over the previous year—but ‘strokes’ again showed an increase, 115 cases this year as against 100 in 1956.

The general health of the district’s population during 1957 was of a reasonably high standard, in spite of the fact that the number of infectious diseases notified—1,015—is the highest number of notifications since the year 1910 and in all probability during the whole existence of the Sunderland Rural District. Measles accounted for 823 of the 1,015 notifications, but most of us are aware of the fact that this disease is a type which shows periodic increase often in cycles of three or five years.

Posters were distributed throughout the district to remind parents of the importance of having their children immunised against Diphtheria. Tuberculosis posters were also displayed, stressing the importance of early diagnosis. During the year 23 cases of Tuberculosis were notified as compared to 26 cases in 1956.

Old Age Pensioners Survey.

The survey of “The Effects of Social Problems on the Life of the Old Age Pensioners” was completed this Spring. Salient facts emerging from the study were:—
1,000 persons were seen; over 100 blood examinations were made; the ages were between 62 and 97; females were overweight, in the majority, together with micro-

cytic anaemia and many with sub-thyroidism; melancholia was solely a male finding and almost always due to the death of the partner; lone females were able to cope much better than males on their own; only 63 attended an Over 60's Club; males were mostly spare built and their Haemoglobin 12% or so above females, those eating a low percentage of protein (37%) mostly females showed a lowered red cell count; fats were eaten above the average and may be the cause of atheroma and its sequel; carbohydrate intake was above the average and consisted mainly of potatoes and bread; in nearly every instance their diet was dull, monotonous and lacking in flavour; none were able to afford new clothes of a major type; those without free coal found that the severe winter made serious inroad into their pension; 22 men out of 40 had a Haemoglobin below 90% and 53 females out of 60 showed, in 88%, the Haemoglobin percentage below 90%; females gave the majority of protein bought to the males, with the result that the latter revealed a higher index of Haemoglobin; the 1,000 Diet Sheets were divided into income, amount of food purchased per week, the cost, amount of protein, carbo-hydrates and fats, calorific value of each, animal vegetable ratio, amount spent on other necessities and the balance left over for clothes, etc.; some cases revealed less than 1/- was left for materials; females attended places of worship more frequently than males.

The findings of the survey were published in some half dozen journals and from many foreign countries requests were received for reprints; these were sent out in due course.

Towards the end of the year another survey on the "Comfort and Safety for the Aged Living Alone" was commenced.

I wish to acknowledge with gratitude the support received from the Members of the Council at all times, and the assistance given by the Council staff.

REGINALD C. F. SMITH,

Medical Officer of Health.

Health Department,
August, 1958.

STATISTICS

Area (in acres)	6,645
Registrar-General's estimate of resident population, mid-1957	26,630
Number of inhabited houses at 31st December, 1957	8,331
Rateable Value	£201,004
Sum represented by penny rate	£768

Births and Birth Rate.

The nett number of births in the district was 569.
The sex and legitimacy classification is shown :—

LIVE BIRTHS :

	M.	F.	Total.
Legitimate	272	283	) 569
Illegitimate	5	9)

The birth-rate per thousand of the estimated population is 21.36, an increase over the previous year.

The Comparability Factor, issued in order to determine a more accurate birth-rate, is for the year 1957 0.97; therefore, the Corrected Birth-Rate calculated therefrom is 20.7.

STILL BIRTHS :

	M.	F.	Total.
Legitimate	5	5	) 11
Illegitimate	—	1)

During the year there were 11 still-births in the district. The Still-Birth Rate of the population is 0.41 per thousand, a slight increase over the figure recorded in 1956, viz., 10 still-births, which gave a mortality rate of 0.38 per thousand total population.

Deaths and Death-Rate.

The total number of deaths in the district during 1957 (corrected for inward and outward transfers, and including deaths from all causes and at all ages) was 455, viz.,

254 males and 201 females. The recorded death-rate being 17.08 per thousand of the estimated population.

The Comparability Factor for deaths is 0.81 and the Corrected Death-Rate calculated therefrom is 13.8 per thousand of the estimated population.

The following Table shows the variation in the birth and death-rates and estimated population during the preceding four years as compared with 1957 :—

Year.	Population.	Birth Rate.	Death Rate.
Sunderland R.D.			
1953	25,770	19.3 _a	14.6 _a
1954	26,000	18.7 _a	16.2 _a
1955	25,940	17.4 _a	15.1 _a
1956	26,280	19.2 _a	13.5 _a
1957	26,630	20.7 _a	13.8 _a

a—Corrected Birth and Death Rates.

Infantile Mortality.

Ten children died during 1957 before attaining the age of one year, eight of these under four weeks of age.

	M.	F.	Total.
Legitimate	6	2	) 10
Illegitimate	2	—	

The death-rate for infants under one year is shown according to the number of live births and legitimacy :

Death Rate for all infants per thousand live births is 17.6.

The deaths were due to Gastritis, Enteritis and Diarrhoea, Congenital Malformations and Bronchitis.

Causes of Death in the Sunderland Rural District during 1957.

The following Table shows in detail the number of deaths, male and female, and the causes of death in the district during the year. Compared with the Table for the preceding year, an increase of deaths due to bronchitis, vascular lesions of the nervous system, hypertension with heart disease and other circulatory diseases is recorded.

Cause of Death.	Male.	Female.	Total.
Tuberculosis (respiratory) ...	7	1	8
" (non-respiratory)	—	—	—
Meningococcal Infections...	1	—	1
Cancer	45	18	63
Leukaemia	1	1	2
Diabetes	2	1	3
Vascular lesions of nervous system	58	57	115
Coronary Disease, Angina	40	24	64
Hypertension with heart disease	6	2	8
Other heart disease ...	21	36	57
Other circulatory disease ..	6	5	11
Pneumonia	17	18	35
Bronchitis	11	5	16
Other diseases of respiratory system	3	—	3
Ulcer of Stomach and Duodenum	—	2	2
Nephritis and Nephrosis ...	4	—	4
Hyperplasia of Prostate ...	4	—	4
Syphilitic Disease	—	2	2
Gastritis, enteritis and diarrhoea	—	2	2
Influenza	1	3	4
Congenital Malformations	1	1	2
Homicide and operations of war	1	—	1
Accidents—Motor Vehicle	1	—	1
Accidents—All other ...	3	5	8
Suicide	5	1	6
Other defined and ill-defined diseases	16	17	33
Totals ...	254	201	455

Ambulance Facilities.

The ambulance service is operated under the direction of the Durham County Council. All telephone calls or other messages in respect to the service of an ambulance are now directed to East Herrington 3137, which is the ambulance station at Devon Street, New Herrington, covering the parishes of Ryhope, Silksworth and Tunstall, Ford, Offerton and the Herringtons, or Hebburn 32157, which is the ambulance station at 1 St. John's Avenue, Hebburn, covering the parish of Hylton.

Laboratory Facilities.

Bacteriological examination of sputa, faeces and throat swabs are now undertaken by the Public Health Laboratory at the Infectious Diseases Hospital, Hylton Road, Sunderland, under the direction of P. B. Crone, M.D., Dip., Bact. According to reports received by the Medical Officer of Health, the following specimens were submitted for examination :—

Bacteriological Examinations for the year 1957 :—

For Organisms of the Enteric, Dysentery and Food Poisoning Groups.

Positive	14	Negative	3
--------------	-----	----	--------------	-----	---

For Organisms of Influenza Type A.

Positive	7	Negative	Nil
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PREVALENCE OF, AND CONTROL OVER INFECTIOUS AND OTHER DISEASES

During the year, 1,015 cases of infectious disease, including all forms of Tuberculosis, were notified as compared with 209 cases for the previous year and 396 cases in 1955. This number is the highest on record since the year 1910 and may possibly be the highest figure ever recorded in the existence of the Sunderland Rural District. An outbreak of measles in the first six months of the year was responsible for 823 of the 1,015 cases notified.

Scarlet Fever.

Seven cases of scarlet fever were notified during the year, a decrease of 4 cases over the previous year. The disease was of a mild type and caused no anxiety.

Diphtheria.

There were no notifications of diphtheria throughout the year.

Poliomyelitis.

Two cases of acute poliomyelitis, both of the paralytic type, were notified during the year.

Measles.

Cases of measles notified during 1957 amounted to 823, a terrific increase over last year's figure which was 69 cases. Measles is a disease which shows periodic increase, cycles every three or five years; very few children escape infection. More than half of the cases notified were children between the ages of 4 and 6 years.

The appended Table sets out in detail the notifications of infectious disease during the year 1957 together with the ages at which the disease occurred and the incidence in each of the respective parishes; the number of cases treated at infectious diseases hospitals is also shown.

TUBERCULOSIS

<i>Age Periods.</i>	NEW CASES.				DEATHS.			
	<i>Pulmonary</i>		<i>Non- Pulmonary</i>		<i>Pulmonary</i>		<i>Non- Pulmonary</i>	
	M.	F.	M.	F.	M.	F.	M.	F.
0 - 1 yr.	...	...	...	..	...	...	...	...
1 - 4 yrs.	...	...	...	..	...	...	...	...
5 - 9 "	...	2	...	...	...	...	...	...
10 - 14 "	...	...	...	..	...	...	...	...
15 - 24 "	1	6	...	1	...	...	...	...
25 - 34 "	...	3	1	...	...	1	...	...
35 - 44 "	1	2	...	1	...	1	...	...
45 - 64 "	1	1	...	...	8	...	...	...
65 & over	1	1	1	..	2	...	...	...
Totals	4	15	2	2	10	2	...	...

It has not been necessary to take any action under the Public Health (Prevention of Tuberculosis) Regulations 1925, in relation to persons suffering from Pulmonary Tuberculosis employed in the milk trade.

No action has been taken under Section 72 of the Public Health Act 1936, which relates to the compulsory removal to hospital of persons suffering from Tuberculosis.

Central Kitchens.

The Education Authority's central kitchens have again been supervised throughout the year. Only occasionally was it necessary to make recommendations with regard to the interior decoration, etc.

Disinfection of Premises.

Disinfection of premises and bedding has been carried out by your staff on the removal of cases of infectious disease, and on the termination of the period of isolation if the patient was isolated at home. Disinfections were

also carried out at houses where the death or removal of a person suffering from Tuberculosis had occurred.

WATER SUPPLIES

As before, the district was supplied by the Sunderland and South Shields Water Board. Bacteriological examinations were carried out by the owners; the examinations being necessary in case any water-borne disease had been brought into the district.

At the Herringtons a small number of houses are still supplied by the National Coal Board from their pumping station situated in Silksworth Lane. This supply was satisfactory.

At Offerton, the supply is taken from a well situated in a field to the north-west of the village. The water is lifted from the well by a pump which is driven by a windmill, and the water is stored in iron storage tanks situated near Offerton Hall. From thence it is led to the various houses in the village. This supply was satisfactory.

The only area (apart from some scattered farms) not provided with a piped water supply is that of Offerton.

THE FOLLOWING TABLE SHOWS THE NOTIFICATION OF INFECTIOUS DISEASE DURING THE YEAR 1957, TOGETHER WITH THE AGES AT WHICH THE DISEASE OCCURRED AND THE INCIDENCE IN EACH OF THE RESPECTIVE PARISHES.

Disease.	NUMBER OF CASES NOTIFIED											PARISHES							No. of cases removed to Hospital.						
	At all Ages.											Ford	Herringtons	Hylton	Offerton	Ryhope	Silksworth	Tunstall							
	0 - 1 year	1 - 2 years	2 - 3 years	3 - 4 years	4 - 5 years	5 - 9 years	10 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 and over														
Pulmonary Tuberculosis	...	...	...	...	...	2	...	...	...	...	...	7	6	2	2	2	2	2	2	2	2	2	2	16	
Non-Pulmonary Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	1	2	1	1	1	1	1	1	1	1	1	1	1	1
Scarlet Fever	...	1	22	24	2	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	15	17	110	108	16	31	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	31	98	110	126	345	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	1	1	...	1	...	...	1	3	6	5	5	1	6	2	5	5	1	1	1	1	1	1	1	1	1
Erysipelas	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery	...	1	1	1	...	...	1	...	4	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningococcal Infection	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	1015	47	118	133	145	379	8	11	21	9	9	147	51	179	12	320	123	183	31	16	1	3	16	31	

**CHIEF PUBLIC HEALTH INSPECTOR'S
ANNUAL REPORT**

**PUBLIC CLEANSING — COLLECTION AND
DISPOSAL OF HOUSE REFUSE**

Refuse Collection.

Regular collections of house refuse were again maintained during the year in spite of the strain put on the service, upon several occasions, due to the loss of man-hours arising from sickness amongst the refuse collectors and also the poor condition of the four Karrier Bantam refuse vehicles. These vehicles are eleven years old and need to be replaced. The number of days lost during the year due to sickness were 535.

There were some isolated complaints of non-collection of refuse, but there was no general complaint at any time and the frequency of collections was never less than once weekly.

Six vehicles, comprising four Karrier Bantams (7 cub. yd. capacity) and two Bedfords (7 cub. yd. capacity) were again regularly employed in carrying out the work and the refuse collection staff consisted of six drivers and seventeen loaders.

Opportunity was taken to report to the Health Committee upon the poor condition of the Karrier Bantam vehicles and at the same time expressing the view that these vehicles must be replaced by the 1st April, 1958, otherwise the standard of the refuse collection service could not be maintained. The committee were also advised that earnest consideration should be given to the purchase of larger capacity vehicles than has been the practise on previous occasions and that, by doing so, together with a re-organisation of the work in the parishes concerned, would result in some economy and, at least, help to stabilise the costs of this service for a few years.

The Council agreed to explore the possibilities of this suggestion and appointed a sub-committee to examine

the details of my proposals. Over a period of six months, several meetings of the sub-committee were held during which earnest consideration was given to my recommendation for the purchase of larger capacity vehicles and the subsequent re-organisation of the refuse collections in the Parishes of Ryhope, Tunstall, and Silksworth.

The Sub-Committee accepted an invitation from Dennis Bros. to visit the Colne Valley District in Yorkshire to see a practical demonstration of their 12/14 cubic yard Dual-Tip vehicle (rear loading) and I arranged two separate practical demonstrations, each of one week duration, by Messrs. Karrier Motors with their 18 cubic yard Dual-Tip vehicle.

The Committee eventually decided to replace the four Karrier Bantams with three Karrier 18 cub. yd. dual-tip vehicles and recommended the Council to purchase these at a total cost of £6,950.

The decision to purchase the three larger vehicles has resulted in one driver and two loaders becoming redundant, representing a saving of £1,450. The benefit of this will not become apparent until the forthcoming financial year.

During the year, 630,946 dustbins holding 13,890 tons of refuse were dealt with; this represents a weekly collection and disposal of approximately 267 tons.

The annual cost of refuse collection work for the financial year ending the 31st March, 1958, was £13,831, which is equivalent to 19s. 10d. per ton of refuse collected.

Refuse Disposal.

The refuse from the parishes of Ryhope, Silksworth and Tunstall (representing approximately 75% of the district's refuse) continues to be disposed of at the old Burdon Street site, situated in a central part of Ryhope.

During the year, 10,378 tons of refuse were deposited on this tip which is controlled with the assistance of a Fordson Muledozer fitted with rotaped tracks. This

machine has now been in operation on our refuse tip for a year and it has been possible during the period to assess something of its true worth in respect to refuse disposal; for instance, any small outbreaks of spontaneous combustion have been dealt with within minutes, rodent infestation is non-existent, the time lost by the vehicles when tipping is negligible and we can at least claim that our refuse is disposed of in an efficient manner.

The cost of disposal amounted to £3,355, the equivalent of 3s. 6d. per ton.

Particulars	1951-52	1952-53
Revenue	£1,000	£1,000
Expenses	£1,355	£1,355
Net Cost	£3,355	£3,355
Cost per ton	3s. 6d.	3s. 6d.

Cost Statement 1957-58

Item	Particulars 1	Collection 2	Disposal 3	Totals 4	Percentage of total gross expenditure 5
	REVENUE ACCOUNT (note (a))				
		£	£	£	
1	GROSS EXPENDITURE :				
	(i) Labour (note (b))	8,178	1,825	10,003	58.2
	(ii) Transport (note (c))	5,083	665	5,748	33.44
	(iii) Plant, equipment, land and buildings (note (d))	495	865	1,360	7.92
	(iv) Other items (note (e))	75	—	75	.44
	(v) Total gross expenditure	13,831	3,355	17,186	100
2	GROSS INCOME (note (f))	—	1,634	1,634	—
3	NET COST	13,831	1,721	15,552	—
4	Capital expenditure met from revenue (included above) (note (g))	—	—	—	—
	UNIT COSTS (note (h))				
		s d	s d	s d	
5	Gross cost per ton, labour only	11 10	2 7	14 5	
6	Gross cost per ton, transport only	7 4	0 11	8 3	
7	Net cost (all expenditure) per ton	19 10	2 6	22 4	
		£	£	£	
8	Net cost per 1,000 population	519	65	584	
9	Net cost per 1,000 premises	1,621	202	1,823	

Operational Statistics.

10. Area (statute acres)—land and inland water 6,645 acres
11. Population at 30th June, 1957 (Registrar General's estimate 26,630 persons
12. Total refuse collected (tons). Indicate whether A, E or T (note (j)) E. 13,890 tons
13. Weight (cwts.) per 1,000 population per day (365 days to year) 28½ cwts.
14. Number of premises from which refuse is collected 8,504 premises
15. Premises from which collections are made at least once weekly 100% of total
16. Average haul, single journey, to final disposal point (including..... miles by secondary transport) 1 mile
17. Kerbside collection expressed as estimated percentage of total collection NIL
18. Total refuse disposed of 13,890 tons
19. Methods of disposal (Salvage excluded) :
- | | |
|--|--------|
| (a) Crude tipping | —% |
| (b) Controlled tipping | 99.16% |
| (c) Direct incineration | —% |
| (d) Separation and incineration | .84% |
| (e) Other methods (state nature) | —% |
| | 100% |
20. Salvage—Analysis of income and tonnage :
- | | Income
(Included in
Item 2).
£ | Tonnage
Collected
(Included in
Item 12).
Tons |
|--------------------------------------|---|---|
| (a) Raw Kitchen Waste (note (a)) ... | — | — |
| (b) Scrap Metal | — | — |
| (c) Waste Paper | 1,578 | 188 |
| (d) Other Salvage | — | — |
| (e) Totals | 1,578 | 188 |
21. Trade Refuse :
- (a) Income NIL.
- (b) Tonnage NIL.
22. Remarks :

Salvage.

Waste paper still continues to be our sole source of revenue and the fluctuation of the markets for the sale of this commodity does not inspire confidence to incur expense in the department insofar as canvassing and local advertisements are concerned. Experience over the last few years reveals that almost as soon as the maximum possible collection of waste paper has been reached, there has been a clamp-down either in the price or the market, or both; however efforts are again being made to increase collections of waste paper and to this end the bonus scheme has again been put into operation. The total amount of bonus paid to the collectors for the year ending March 31st, 1958, was £277 16s. 4d.

The following table shows the amount of waste paper collected each month and the corresponding revenue received.

Waste Paper Collections, 1957

Month	Quantity in			£	s.	d.
	Tons	Cwts.	Qrs.			
January	11	19	0	97	9	0
February	15	16	2	133	0	9
March	12	2	0	98	11	0
April	15	18	3	132	15	8
May	16	7	1	141	14	3
June	5	17	1	48	4	5
July	18	19	0	156	2	10
August	17	19	0	155	8	5
September	13	13	3	121	8	11
October	19	6	0	162	7	9
November	16	15	2	142	10	1
December	17	16	0	149	10	11
Total Amount ...	182	10	0	£1539	4	0

Sanitary Inspection of the Area.

The appended summary "TABLE A" sets out the number and the nature of inspections made as to nuisances and defects, contraventions of Byelaws and regulations, etc., during the year, together with the number of notices served to remedy such defects.

It will be seen from the summary that the bulk of the notices served were of an informal character and include letters and verbal intimations.

Closet Accommodation.

During the year 18 privies were demolished following upon the vacation of the corresponding dwelling-houses. In addition, 17 privies have been converted into either pail closets or chemical closets.

The total number of privies, pail closets and chemical closets existing in the district at the end of the year was 55, as detailed herewith.

District in which situated	Type of Closet		
	Privy	Pail	Closet
Ford			
High Ford Farm	1	—	—
Hylton			
Farms and Cottages	7	—	1
Offerton & Coxgreen			
Farms and Cottages	4	—	1
Miscellaneous	8	1	4
Silksworth			
Farms and Cottages	14	—	—
Village School	—	—	7
Hall Lodge & Cottages	2	3	—
Vicarage Cottage	1	—	—
Tunstall			
Middle Farm	1	—	—
Totals	38	4	13

Complaints Received.

During the year 1957, 892 complaints or requests were received and attended to relating to matters briefly summarised as follows :—

Verminous and dirty premises ...	31
Choked drains	23
Water supply (defective fittings) ...	1
Defective drains	1
Drain tests	194
Defective waste pipes	1
Defective W.C.s, privies, etc.	8
Defective dustbins	344
General housing defects	57
Overcrowding	1
Rodent infestation (including mice) ...	122
Offensive smells	8
Requests to remove refuse	2
Houses and bedding to disinfect ...	15
Offensive accumulations	2
Requests to inspect food	57
Drain inspections	17
Miscellaneous	8
Total ...	892

TABLE A—SUMMARY—PUBLIC HEALTH INSPECTOR'S
ANNUAL REPORT.
INSPECTIONS AND NOTICES SERVED 1957.

	No. of inspections during the year.	No. of defects or contraventions of Byelaws.	No. of Informal Notices served.	Defects remedied thereafter.	No. of Statutory Notices served.	Defects remedied thereafter.	Legal Proceedings.
HOUSING—							
Structural Defects	581	48	48	22	26	26	..
Defective Food-store ...		5	5	3	2	2	..
Dampness ...		29	29	14	15	15	..
Overcrowding ...		1	..	..	..	..	..
NUISANCES—							
Dirty or verminous premises ...	40	31	31	31	..	..	..
Choked drains ...	402	402	402	400	2	2	..
Various ...	11	8	8	8	..	..	..
Offensive Accumulations ...	14	10	10	10	..	..	..
WATER SUPPLY—							
Insufficient (defective fittings) ...	4	3	3	3	..	..	..
Unsatisfactory ...	1	1	1	1	..	..	..
DRAINAGE—							
Insufficient ...	5	4	4	4	..	..	..
Defective ...	7	6	6	6	..	..	..
New drains testing etc. ...	194	..	..	..	..	..	..
New drains provided	5381 yds. of 20 yds. of	..	4in. drain 6in. drain	..	..	..	..
SANITARY							
CONVENIENCES—							
Insufficient ...	12	8	8	2	6	6	..
Insanitary ashpits, and dustbins ...	362	354	354	344	10	10	..
New W.C. basins ...	6	3	3	..	3	3	..
Shops and Stores ...	419	62	62	62	..	..	..
Dairies & Milkshops	8	1	1	1	..	..	..
Slaughterhouses ..	107	21	21	21	..	..	..
Offensive Trades ...	10	2	2	2	..	..	..
Fruit Store ...	76	10	10	10	..	..	..
Food Manufacturing							
Premises ...	210	49	49	49	..	..	..
Bakehouses ...	70	15	15	15	..	..	..
Snack Bars ...	2	..	..	..	..	..	..
Rat Infestations ...	251	136	136	136	..	..	..
Factories ...	21	7	7	7	..	..	..
Fried Fish Shops ...	32	10	10	10	..	..	..
Ice-cream Premises	11	2	2	2	..	..	..
Wet Fish Shops ...	42	1	1	1	..	..	..
Canteens ...	6	..	..	..	..	..	..
Licensed Premises	165	34	34	25	..	..	..
	3070	1262	1262	1189	64	64	—

The following summary shows the main type of work done or improvements effected as the result of inspections made and subsequent action taken :—

SUMMARY OF WORKS EFFECTED, 1957

Housing Defects.

Repairs to roofs and spouts	14
„ walls and pointing... ..	17
„ chimneys, firegrates and ovens ...	8
„ windows and sash cords	14
„ floors, doors, stairs and woodwork	21
„ wash-houses, copper and furnaces	1
„ wall and ceiling plaster	12
„ yards and outhouses	1
„ food stores	5
Dampness remedied	29

Nuisances.

Dirty and verminous premises cleansed and disinfested	31
Obstructed drains cleared	402
Accumulations removed	10

Water Supply.

Burst pipes and defective taps repaired ...	3
Separate internal supplies provided	1

Drainage.

Wash-up sinks provided	2
Defective drains repaired	6
Sink waste pipes repaired	3
Yards paved or repaired	1

Sanitary Conveniences.

Privy ashpits abolished... ..	18
Water closets provided	3
Water closets repaired	7
Dustbins provided	354
Privies repaired	1

Public Conveniences.

Routine inspections have been made during the year to all public conveniences in the district, with a view to ascertaining the existence of nuisances which may arise

from time to time. The conveniences are thoroughly cleansed each day (including Sundays) by workmen on the staff of the Health Department.

Factories.

The following tables in the form required by the Home Office show the inspections made to factories with mechanical power, factories without mechanical power, and other premises, together with defects found and remedied during the year.

1. INSPECTION FOR PURPOSES OF PROVISIONS AS TO HEALTH.

PREMISES (1)	NUMBER OF		
	Inspections (2)	Written Notices (3)	Occupiers Prosecuted (4)
Factories with mechanical power	7	1	—
Factories without mechanical power	14	6	—
Other Premises under the Act including works buildings and engineering construction but not including outworkers premises ...	—	—	—
TOTAL	21	7	—

2. DEFECTS FOUND.

PARTICULARS (1)	NUMBER OF DEFECTS			Number of defects in respect of which prosecutions were instituted. (5)
	Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	
Want of Cleanliness (S.1)	—	—	—	—
Overcrowding (S.2) ...	—	—	—	—
Unreasonable Temperature (S.3)	—	—	—	—
Inadequate Ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S.7)	—	—	—	—
Insufficient	—	—	—	—
Unsuitable or Defective	7	7	—	—
Not separate for sexes	—	—	—	—
Other Offences	—	—	—	—
TOTAL	7	7	—	—

Smoke Abatement.

During the year no complaints were received in the department, neither was any action necessary relating to the above matter.

Up to the end of the year 1957 no action of note was taken under the Clean Air Act, 1956.

Swimming Baths.

There are no such baths in the area.

Eradication of Bed Bugs.

During the year one complaint only was received in respect to bed-bug infestation; this was from a tenant of a Council house.

Drainage.

A considerable amount of work has again been incurred in the Health Department during the year as a result of the Council's building programme.

The various housing schemes in progress throughout the district have claimed the time of the inspectors as soon as the respective drainage systems became ready for inspection and testing. In addition to this, much time is devoted to the arrangement, inspection and testing of drains attached to private houses.

All main and branch drains were tested by means of the "Water Test" in order to ensure that they were sound and watertight.

During the year, 5,381 yards of 4 in. drain and 20 yards of 6 in. drain were tested, involving some 194 visits.

Rodent Control.

During the year two treatments were again undertaken and completed on each set of sewers in the district. Several treatments on each of the three refuse tips in the area were also undertaken and it is pleasing to be able to report that none of the three tips bear the mark of a major infestation.

Surveys have been made at various intervals to determine what degree of infestation exists particularly in the vicinity of business premises, and where such premises were infested, treatments were carried out and a charge sufficient to cover normal expenses was made against the owner of the premises.

Infestations in dwelling-houses are dealt with free of charge.

The whole work throughout the year was effected by a trained rodent operative and the methods used were those prescribed by the Ministry of Agriculture, Fisheries and Food (Rodent Division).

The following table indicates the number of premises in the area, the number and types of infestation, and the number of premises dealt with during 1957.

TYPE OF PROPERTY.

	NON-AGRICULTURAL				(5)
	(1) Local Authority	(2) Dwelling Houses (inc. C'ncil Houses)	(3) All other (inc. Business Premises)	(4) Total of Cols. (1, (2) & (3)	Agri- cultural
1. Number of properties in Local Authority's area.	12	8,401	131	8,544	33
2. Number of properties inspected as a result of:—					
(a) Notification ..	14	106	16	136	—
(b) Survey ..	—	—	115	115	—
(c) Otherwise ..	—	—	—	—	—
3. Total Inspections ..	14	106	131	251	—
4. Number of properties inspected found to be infested by:—					
(a) Rats, Major ..	—	—	—	—	—
Minor ..	14	71	8	93	—
(b) Mice, Major ..	—	—	—	—	—
Minor ..	—	35	8	43	—
5. Number of infested properties treated by the Local Authority.	14	106	16	136	—

Housing.

During the year 1957, progress was maintained in the task of dealing with unfit houses in the district, and a further 2 Clearance Orders were made by the Council, comprising 43 houses and 41 families. In addition, 18 houses containing 19 families were dealt with either under Section 11, Housing Act, 1936, or Section 10, Local Government (Miscellaneous Provisions) Act, 1953.

This branch of the work of the department was responsible for some 272 visits. The above 61 unfit houses brings the total number dealt with since September 1955 to 232 and represents a very large proportion of the Council's five-year slum clearance programme.

The following list shows in statistical form the Clearance Areas dealt with since 1st September, 1955 :—

Parish.	CLEARANCE ORDERS			No. of Houses	No. of Families	No. of Persons	Confirmed
	No.	Name.	Description				
			<i>Nos.</i>				
Ford.	39	Stewart Terrace.	1-4	4	6	15	Yes
..	40	Hastings Square.	1-6	6	6	16	Yes
..	41	Union Street.	1-5	5	8	25	Yes
..	41a	Union Street.	7-10	5	4	11	Yes
..	42	Frederick St. & Church St.	1-5 & 18-20	7	11	30	Yes
..	43	Albion Street.	25-27 & 34-40	10	13	29	Yes
Ryhope.	44	Gibson Terr. & Taylor St.	1-18 & 1-16	34	34	95	Yes
..	45	Oxclose.	1-5	5	5	13	Yes
..	46	Ryhope Street South and Davison's Yard.	91-93 & 1-6	9	12	28	Yes
..	47	South View.	1-16	16	23	60	Yes
..	48	Hollicar Terrace.	1-25	25	28	77	Yes
..	49	Cliff Road.	6-9 & 1-3 Bk.	8	10	31	Yes
..	49a	Cliff Road.	10-12 & 1 & 2 Davi- son's Cott.	5	7	23	Yes
..	50	Dene Terrace.	1-10	10	16	47	Yes
Tunstall.	51	Tempest Street.	3-23	21	20	54	Yes
..	52	Vane Street.	2-23	22	21	71	Yes
		TOTALS	...	192	224	625	

In addition to the Clearance Areas, the following is a list of unfit houses which have been dealt with under Section 11 of the Housing Act, 1936, and Section 10 of the Local Government (Miscellaneous Provisions) Act, 1953 :—

Section 11, Housing Act, 1936 :—

Parish of Herrington.

The Haven Cottage, East Herrington.

Parish of Hylton.

Washington Crossing Cottage, Hylton.

Parish of Offerton.

1	Burn House,	Coxgreen.
2	"	"
1	Burn Terrace,	"
2	"	"
3	"	"
4	"	"

Parish of Ryhope.

Grange Farm House,	Ryhope.
1 & 2 Grange Farm Cottages,	"
88 Ryhope Street South,	"

Parish of Tunstall.

Hope Lodge,	Tunstall.
Hope Lodge Cottage,	"
East Cottage,	"
Middle Cottage,	"
West Cottage,	"

Section 10, Local Government (Miscellaneous Provisions) Act, 1953 :—

Parish of Ryhope.

86 Ryhope Street South, Ryhope.

Housing Act, 1949 (Amended by the Housing Repairs and Rents Act, 1954).

Owners of private houses are encouraged to make application for a grant towards the cost involved in effecting improvements to their dwelling-houses. The

Council have resolved to allow grants of fifty per cent of the cost of improvement with a maximum grant of £150.

During the year, five applications, under Section 20 of the above Act, were received from owner-occupiers. Four of the applications were allowed and one was withdrawn by the applicant concerned.

Rent Act, 1957.

During the year, five applications were received from tenants for Certificates of Disrepair. After being satisfied that the dwellings were in disrepair by reason of defects specified in the tenant's notice to the landlord, the Council duly authorised the service of notices to the respective owners to the effect that the Council proposed to issue such certificates unless an undertaking was given within three weeks that the defects would be remedied. In each case an undertaking was given and the necessary work completed in due course.

Houses erected during the year :—

	With State Assistance.	Unaided.	Total
(a) By Local Authority ...	208	—)
(b) By other Bodies or Persons ...	—	10	) 218

1. Inspection of Dwelling-houses during the year.

(1) (a) Total number of dwelling-houses inspected for Housing defects (under the Public Health or Housing Acts)	861
(b) Number of inspections made for the purpose	1,380
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	Nil.
(b) Number of inspections made for the purpose	Nil.

- (3) (a) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 77
- (4) (a) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation 784
2. Remedy of Defects without service of Formal Notices.
- Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or its Officers 799
3. Action under Statutory Powers.
- (a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936:—
- (1) Number of dwelling-houses in respect of which informal notices were served requiring repairs Nil.
- (2) Number of dwelling-houses which were rendered fit after service of formal notices:—
- (a) By owners Nil.)
- (b) By Local Authority in de-) Nil.
- fault of Owners Nil.)
- (b) Proceedings under Public Health Acts.
- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 64
- (2) Number of dwelling-houses in which defects were remedied after the service of formal notices:—
- (a) By Owners 64)
- (b) By Local Authority in de-) 64
- fault of Owners Nil.)

(c) Proceedings under Section 11 and 13 of the Housing Act, 1936:—

- | | |
|--|----|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made | 17 |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders | 1 |

(d) Proceedings under the Local Government (Miscellaneous Provisions) Act 1953 :—

- | | |
|---|------|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ... | 1 |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or rooms having been rendered fit | Nil. |

INSPECTION AND SUPERVISION OF FOOD

The inspection and supervision of the usual commodities of food intended for human consumption has again received the keen attention of the Department during the year. A fair proportion of the normal available time is devoted to this very important branch of the work.

It involves the inspection of all meat, both home-killed and imported, the inspection of all doubtful canned foods offered for sale, the supervision of the manufacture and sale of ice-cream, supervising the premises occupied by milk distributors and the inspection of all premises in which foods are manufactured or stored for the purpose of sale.

Milk Supply.

It still remains the responsibility of local authorities to see that all milk, in their respective districts, is distributed in a hygienic manner.

All retailers in the area now deliver milk in stoppered bottles only.

The following number were on the register of licensed dealers at the end of 1957 :—

Number licensed to retail	Pasteurised Milk	18
“ “ “	Pasteurised Tuberculin Tested Milk	14
“ “ “	Tuberculin Tested Milk	8
“ “ “	Sterilised Milk	41
Number of Supplementary Licences issued		10

Ice-Cream.

There are only three premises within the Council's area where this commodity of food is manufactured for sale, but there are 26 other premises registered as being satisfactory for the storage and sale only of ice-cream.

All premises are visited regularly in order to ascertain that the ice-cream is manufactured, stored and sold

under hygienic conditions, and that all utensils are sterilised and kept free from contamination.

During the year regular samples of ice-cream were taken and submitted to the Public Health Laboratory for examination. The total number of samples taken was 86, and the reports received showed the following results :—

No. of Samples.	Grade.
78	1
7	2
1	3
—	4

Precautions against the Contamination of Food.

All premises in which food is manufactured, stored or sold for human consumption have again been inspected regularly during the year.

There is a total of 125 food premises in the district and it is pleasing to be able to report that all are provided with a supply of hot and cold water and suitable wash-hand basins, and in no case was it found necessary to serve formal notices under the Food Hygiene Regulations, 1955.

During the year 868 visits were made to all food premises, and as a result of such inspections the following works were effected :—

Sanitary conveniences repaired	...	...	15
Sanitary conveniences cleansed	...	...	9
Walls and ceilings decorated	...	...	37
Walls and ceilings repaired	...	...	15
Floors repaired	...	...	6
Suitable utensils and equipment provided	...	...	12
Protection against contamination	...	...	5
Wash-hand basins provided	...	...	6
Hot and cold water supply provided	...	...	17
Nail brushes provided	...	...	22
First-aid kit provided	...	...	17
Accommodation for clothing provided	...	...	26

Licensed Premises.

Taking advantage of the comparatively new Food Hygiene Regulations, 1955, the opportunity was taken to inspect the licensed premises within the District Council's area in order to ascertain to what degree each of the premises fell short of the requirements of the above regulations and the Public Health Act. In all, there are 22 public houses and 12 workmen's clubs and other similar premises in the district.

It was found that most of the premises were originally inadequately equipped in some respects and fell short of a reasonable standard of hygiene, but the subsequent inspections, together with the willing co-operation of most of the owners, resulted in the pleasing fact that all licensed premises in the area are now provided with wash-hand basins and a piped hot and cold water supply for the use of the persons employed. In addition there is also provided behind the respective bars a piped supply of hot water for the purpose of washing glasses, etc.

During the year a total of 165 visits were made and as a result of such visits the following works and improvements were effected :—

Wash-hand basins provided	...	...	...	30
Hot and cold water supply provided	...	...	...	30
Hot water supply provided for washing glasses				7
Walls and ceilings redecorated	...	...	...	2
New flushing apparatus provided to urinals	...			3
Insanitary urinals renewed	...	...	...	9
W.C. basins renewed	...	...	...	3
Sanitary conveniences repaired	...	...	...	4
Complete new modern sanitary annexe provided	...	...	...	2

INSPECTION OF MEAT

The usual inspection of all carcasses was again maintained during the year on the principle that the essence of efficient meat inspection, in the matter of ensuring a safe meat supply to the public, is that it should be regular and carried out as a matter of routine.

All animals slaughtered in the district are inspected before being exposed for sale, and no carcasses or organs are allowed to leave the slaughterhouse without examination.

During the year no evidence of "Cysticercus Bovis" was found to be present in any of the carcasses examined.

It is perhaps interesting to record that for the first time in eighteen years it was found unnecessary to condemn a whole carcass.

The total number of animals slaughtered and inspected during the year 1957 was 2,243, and a total of 107 visits were made to the slaughterhouse for this purpose.

The total number of animals slaughtered and inspected is set out below :—

MONTH	Cattle Exclu- ding Cows	Cows.	Calves	Sheep and Lambs	Pigs	Totals
January ...	2	1	—	10	14	27
February ...	2	5	—	24	56	87
March ...	3	5	—	23	43	74
April ...	3	2	—	4	43	52
May ...	3	4	1	7	32	47
June ...	6	1	—	14	26	47
July ...	45	1	—	93	26	165
August ...	71	2	—	198	29	300
September ...	71	1	—	163	20	255
October ...	71	1	—	161	24	257
November ...	100	4	—	247	68	419
December ...	104	3	—	237	169	513
TOTALS ...	481	30	1	1,181	550	2,243

The number of animals slaughtered and inspected during the year 1957 is shown herewith :—

	Cattle Exclu- ding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed if known ...	481	30	1	1,181	550
Number inspected	481	30	1	1,181	550
ALL DISEASES EXCEPT TUBERCULOSIS					
Whole carcasses condemned	...	...	...	...	...
Carcasses of which some part or organ was condemned	139	8	...	...	6
Percentage of the number inspected affected with diseases other than Tuberculosis.	28.9%	26.6%	..	...	1.09%
TUBERCULOSIS					
Whole carcasses condemned	...	...	...	...	...
Carcasses of which some part or organ was condemned	32	3	...	...	8
Percentage of the number inspected affected with Tuberculosis	6.65%	10%	...	...	1.45%

The amount of meat and offals condemned and destroyed, all of which was surrendered voluntarily, is shown as follows :—

Tuberculosis.

Bovine Heads	12	Pig Heads	4
.. Lungs	18		
.. Livers	2		

Other Diseases.

Portions of Beef (Bruising)	1½ stones
Bovine Livers (Cirrhosis)	87 ..
Bovine Half-Livers (Flukes)	64½ ..
Bovine Livers (Abscesses)	12½ ..
Pig Livers (Cirrhosis)	2 ..
Pig Lungs (Pleurisy)	1 ..

Total weight of home-killed meat and offals condemned on account of Tuberculosis and Other Diseased or Unsound Conditions :—

Beef ...	1½ Stones	Pork ...	—
Beef Offals	204 „	Pork Offals	3 Stones
	<hr/>		<hr/>
	205¼ Stones		3 Stones
	<hr/>		<hr/>

Total — 208¼ Stones.

Inspection of Other Foods.

The following foodstuffs, on inspection, were found to be unfit for human consumption and were voluntarily surrendered and destroyed :—

214 tins	Tomatoes	96 tins	Peas
278 „	Peaches	10 „	Shoulder Ham
56 „	Evaporated Milk	3 „	Chicken Soup
2 „	Steak & Kidney Pudding	10 „	Cooked Pork
39 „	Corned Beef	16 „	Chopped Pork
11 „	Pork in Juice	5 „	Condensed Milk
6 „	Chicken Fillets	4 „	Whole Chicken
6 „	Stewed Steak	5 „	Brisket Beef
55 „	Cooked Ham	2 „	Casserole
9 „	Ox Tongue	3 „	Meat
4 „	Jellied Veal	1 „	Corned Mutton
14 „	Minced Beef Loaf	1 „	Beans in Pork
4 „	Pressed Beef	3 „	Beans & Sausage
31 „	Beans	3 „	Pork & Tongue
2 „	Gammon Ham	1 „	Pork Sausage
2 „	Tomato Soup	5 „	Vegetable Soup
1 „	Broth	1 „	Mushroom Soup
1 „	Pease Pudding	4 „	Lunch Tongues
12 „	Crab	34 „	Luncheon Meat
2 „	Tuna Fish	15 „	Creamed Rice
3 „	Shrimps	16 „	Butter Beans
3 „	Herrings	2 „	Pure Cream
1 „	Pilchards	5 „	Carrots
19 „	Salmon	1 „	Spaghetti
36 „	Grapefruit	1 „	French Beans
2 „	Apricots	3 „	Plums
67 „	Pineapple	3 „	Loganberries
37 „	Pears	2 „	Sandwich Spread
38 „	Oranges	5 „	Fruit Salad
9 „	Frozen Eggs	19 „	Cherries

Offensive Trades.

The only offensive trade carried on in the area is that of tripe boiling.

The premises upon which this trade is performed are under the control of the Ryhope and Silksworth Industrial and Provident Society Ltd., the premises being attached to their slaughterhouse.

Regular inspection of the premises has been maintained during the year, involving 10 visits.

I remain,

Ladies and Gentlemen,

Your obedient Servant,

MATTHEW B. H. CHURCHILL,

Chief Public Health Inspector.

The only offensive trade carried on in the area is that of type boiling

The premises upon which this trade is conducted are under the control of the R. Hyde and Silvester Lads- and Provident Society Ltd. the premises being attached to their slaughterhouse.

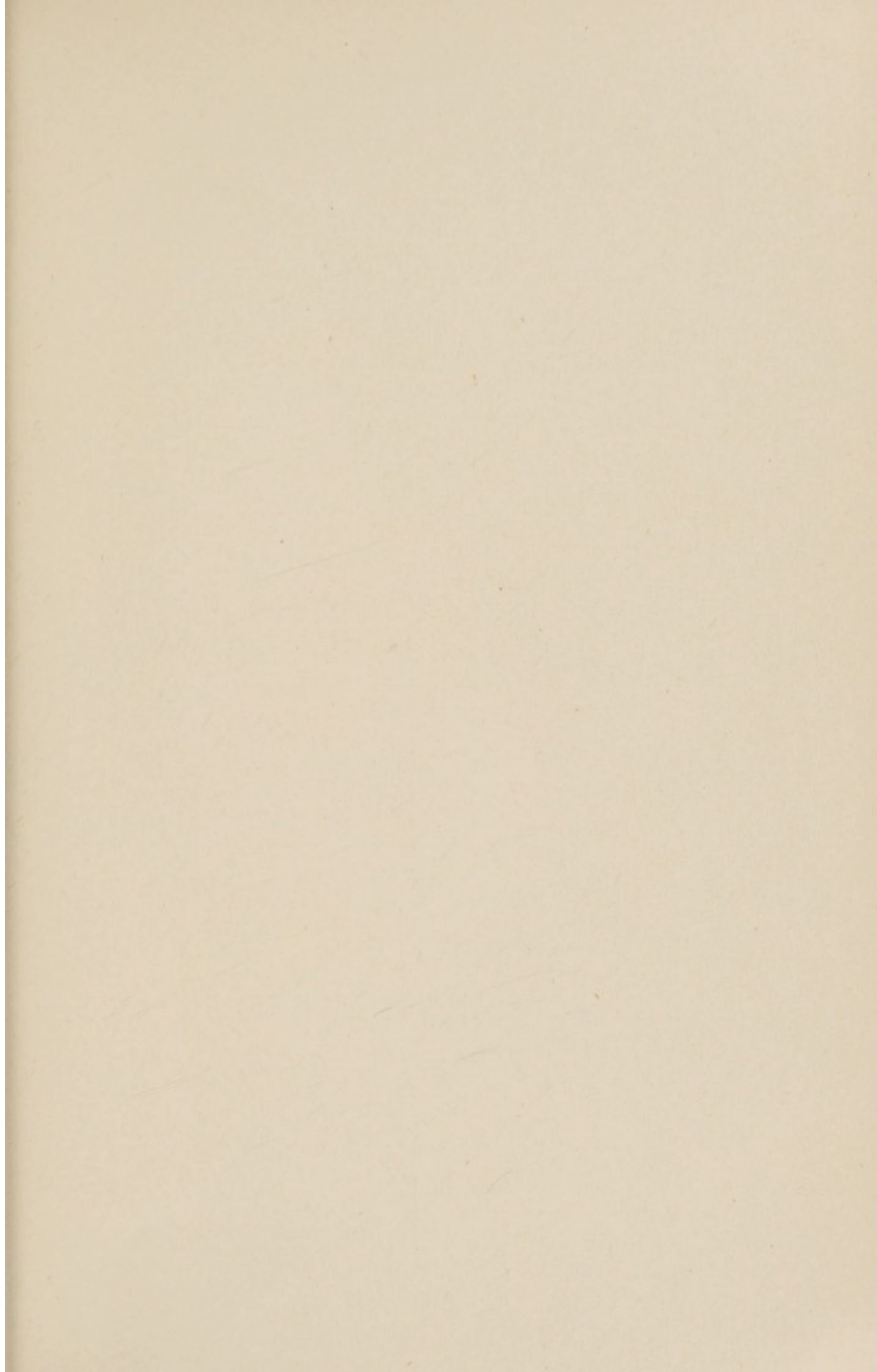
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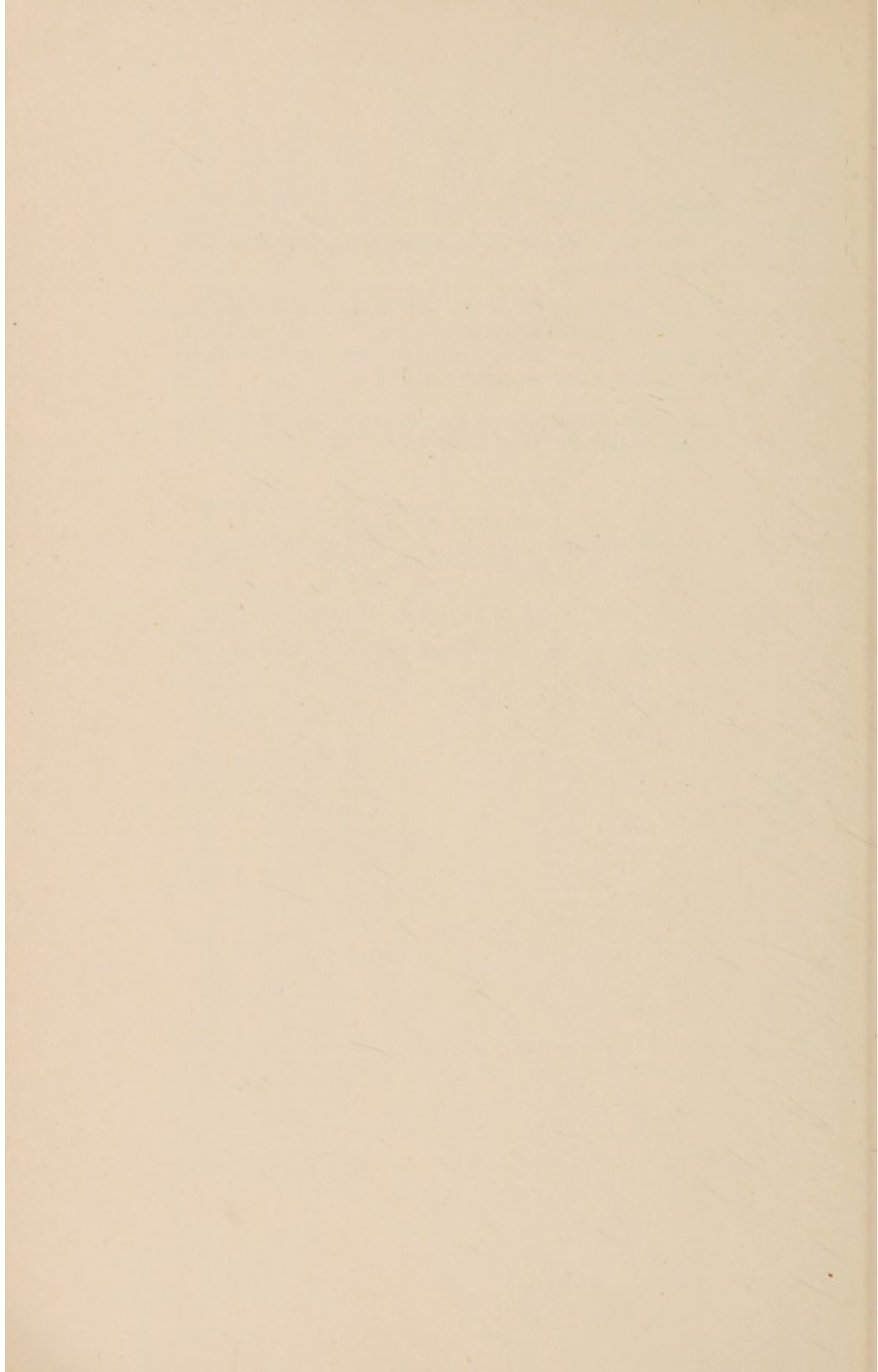
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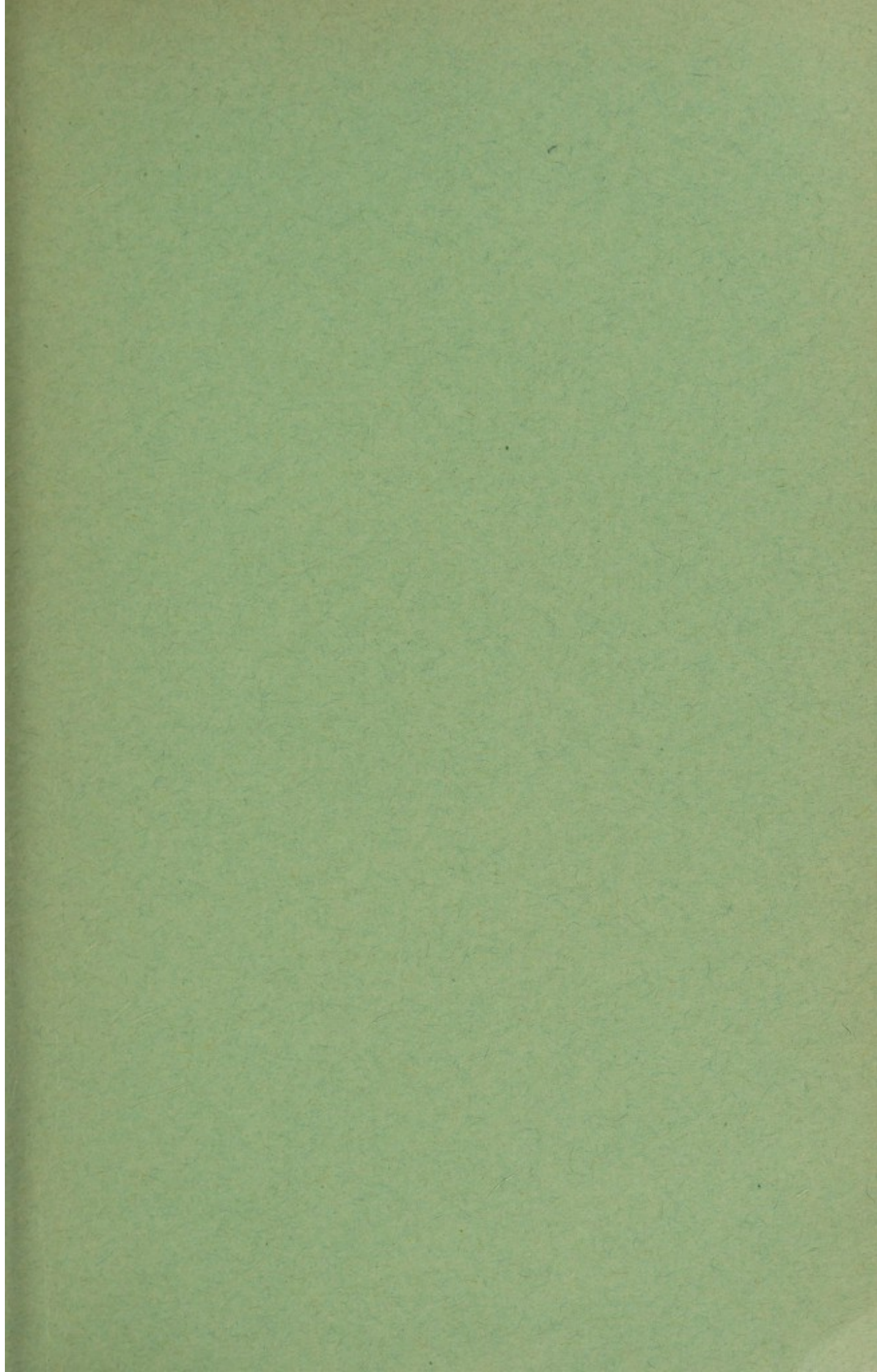
Ladies and Gentlemen
Your obedient servant,
MATTHEW B. H. CHURCHILL

Chief Public Health Inspector

No.	Name	Address	Occupation	Remarks
1	Mr. J. H. Smith	123 Main St.	Shopkeeper	
2	Mr. W. D. Jones	456 High St.	Butcher	
3	Mr. T. E. Brown	789 Market St.	Publican	
4	Mr. R. G. White	101 Park St.	Teacher	
5	Mr. A. S. Black	202 School St.	Farmer	
6	Mr. C. L. Green	303 Church St.	Engineer	
7	Mr. F. M. Grey	404 Mill St.	Blacksmith	
8	Mr. B. N. Hall	505 Station St.	Postman	
9	Mr. D. K. Young	606 Bridge St.	Carriage Maker	
10	Mr. H. J. King	707 Square St.	Wagon Maker	
11	Mr. I. P. Wright	808 Corner St.	Blacksmith	
12	Mr. Q. R. Scott	909 End St.	Blacksmith	
13	Mr. S. T. Adams	1010 Centre St.	Blacksmith	
14	Mr. U. V. Baker	1111 Front St.	Blacksmith	
15	Mr. X. W. Carter	1212 Back St.	Blacksmith	
16	Mr. Y. Z. Evans	1313 Side St.	Blacksmith	
17	Mr. A. B. Foster	1414 Top St.	Blacksmith	
18	Mr. C. D. Gibson	1515 Bottom St.	Blacksmith	
19	Mr. E. F. Hart	1616 Middle St.	Blacksmith	
20	Mr. G. H. Ingram	1717 Upper St.	Blacksmith	
21	Mr. I. J. King	1818 Lower St.	Blacksmith	
22	Mr. K. L. Lamb	1919 North St.	Blacksmith	
23	Mr. M. N. Miles	2020 South St.	Blacksmith	
24	Mr. O. P. Reed	2121 East St.	Blacksmith	
25	Mr. Q. R. Scott	2222 West St.	Blacksmith	
26	Mr. S. T. Adams	2323 North St.	Blacksmith	
27	Mr. U. V. Baker	2424 South St.	Blacksmith	
28	Mr. X. W. Carter	2525 East St.	Blacksmith	
29	Mr. Y. Z. Evans	2626 West St.	Blacksmith	
30	Mr. A. B. Foster	2727 North St.	Blacksmith	
31	Mr. C. D. Gibson	2828 South St.	Blacksmith	
32	Mr. E. F. Hart	2929 East St.	Blacksmith	
33	Mr. G. H. Ingram	3030 West St.	Blacksmith	
34	Mr. I. J. King	3131 North St.	Blacksmith	
35	Mr. K. L. Lamb	3232 South St.	Blacksmith	
36	Mr. M. N. Miles	3333 East St.	Blacksmith	
37	Mr. O. P. Reed	3434 West St.	Blacksmith	
38	Mr. Q. R. Scott	3535 North St.	Blacksmith	
39	Mr. S. T. Adams	3636 South St.	Blacksmith	
40	Mr. U. V. Baker	3737 East St.	Blacksmith	
41	Mr. X. W. Carter	3838 West St.	Blacksmith	
42	Mr. Y. Z. Evans	3939 North St.	Blacksmith	
43	Mr. A. B. Foster	4040 South St.	Blacksmith	
44	Mr. C. D. Gibson	4141 East St.	Blacksmith	
45	Mr. E. F. Hart	4242 West St.	Blacksmith	
46	Mr. G. H. Ingram	4343 North St.	Blacksmith	
47	Mr. I. J. King	4444 South St.	Blacksmith	
48	Mr. K. L. Lamb	4545 East St.	Blacksmith	
49	Mr. M. N. Miles	4646 West St.	Blacksmith	
50	Mr. O. P. Reed	4747 North St.	Blacksmith	
51	Mr. Q. R. Scott	4848 South St.	Blacksmith	
52	Mr. S. T. Adams	4949 East St.	Blacksmith	
53	Mr. U. V. Baker	5050 West St.	Blacksmith	
54	Mr. X. W. Carter	5151 North St.	Blacksmith	
55	Mr. Y. Z. Evans	5252 South St.	Blacksmith	
56	Mr. A. B. Foster	5353 East St.	Blacksmith	
57	Mr. C. D. Gibson	5454 West St.	Blacksmith	
58	Mr. E. F. Hart	5555 North St.	Blacksmith	
59	Mr. G. H. Ingram	5656 South St.	Blacksmith	
60	Mr. I. J. King	5757 East St.	Blacksmith	
61	Mr. K. L. Lamb	5858 West St.	Blacksmith	
62	Mr. M. N. Miles	5959 North St.	Blacksmith	
63	Mr. O. P. Reed	6060 South St.	Blacksmith	
64	Mr. Q. R. Scott	6161 East St.	Blacksmith	
65	Mr. S. T. Adams	6262 West St.	Blacksmith	
66	Mr. U. V. Baker	6363 North St.	Blacksmith	
67	Mr. X. W. Carter	6464 South St.	Blacksmith	
68	Mr. Y. Z. Evans	6565 East St.	Blacksmith	
69	Mr. A. B. Foster	6666 West St.	Blacksmith	
70	Mr. C. D. Gibson	6767 North St.	Blacksmith	
71	Mr. E. F. Hart	6868 South St.	Blacksmith	
72	Mr. G. H. Ingram	6969 East St.	Blacksmith	
73	Mr. I. J. King	7070 West St.	Blacksmith	
74	Mr. K. L. Lamb	7171 North St.	Blacksmith	
75	Mr. M. N. Miles	7272 South St.	Blacksmith	
76	Mr. O. P. Reed	7373 East St.	Blacksmith	
77	Mr. Q. R. Scott	7474 West St.	Blacksmith	
78	Mr. S. T. Adams	7575 North St.	Blacksmith	
79	Mr. U. V. Baker	7676 South St.	Blacksmith	
80	Mr. X. W. Carter	7777 East St.	Blacksmith	
81	Mr. Y. Z. Evans	7878 West St.	Blacksmith	
82	Mr. A. B. Foster	7979 North St.	Blacksmith	
83	Mr. C. D. Gibson	8080 South St.	Blacksmith	
84	Mr. E. F. Hart	8181 East St.	Blacksmith	
85	Mr. G. H. Ingram	8282 West St.	Blacksmith	
86	Mr. I. J. King	8383 North St.	Blacksmith	
87	Mr. K. L. Lamb	8484 South St.	Blacksmith	
88	Mr. M. N. Miles	8585 East St.	Blacksmith	
89	Mr. O. P. Reed	8686 West St.	Blacksmith	
90	Mr. Q. R. Scott	8787 North St.	Blacksmith	
91	Mr. S. T. Adams	8888 South St.	Blacksmith	
92	Mr. U. V. Baker	8989 East St.	Blacksmith	
93	Mr. X. W. Carter	9090 West St.	Blacksmith	
94	Mr. Y. Z. Evans	9191 North St.	Blacksmith	
95	Mr. A. B. Foster	9292 South St.	Blacksmith	
96	Mr. C. D. Gibson	9393 East St.	Blacksmith	
97	Mr. E. F. Hart	9494 West St.	Blacksmith	
98	Mr. G. H. Ingram	9595 North St.	Blacksmith	
99	Mr. I. J. King	9696 South St.	Blacksmith	
100	Mr. K. L. Lamb	9797 East St.	Blacksmith	







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