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Contributors

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THE
Annual Report

FOR THE
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1937,

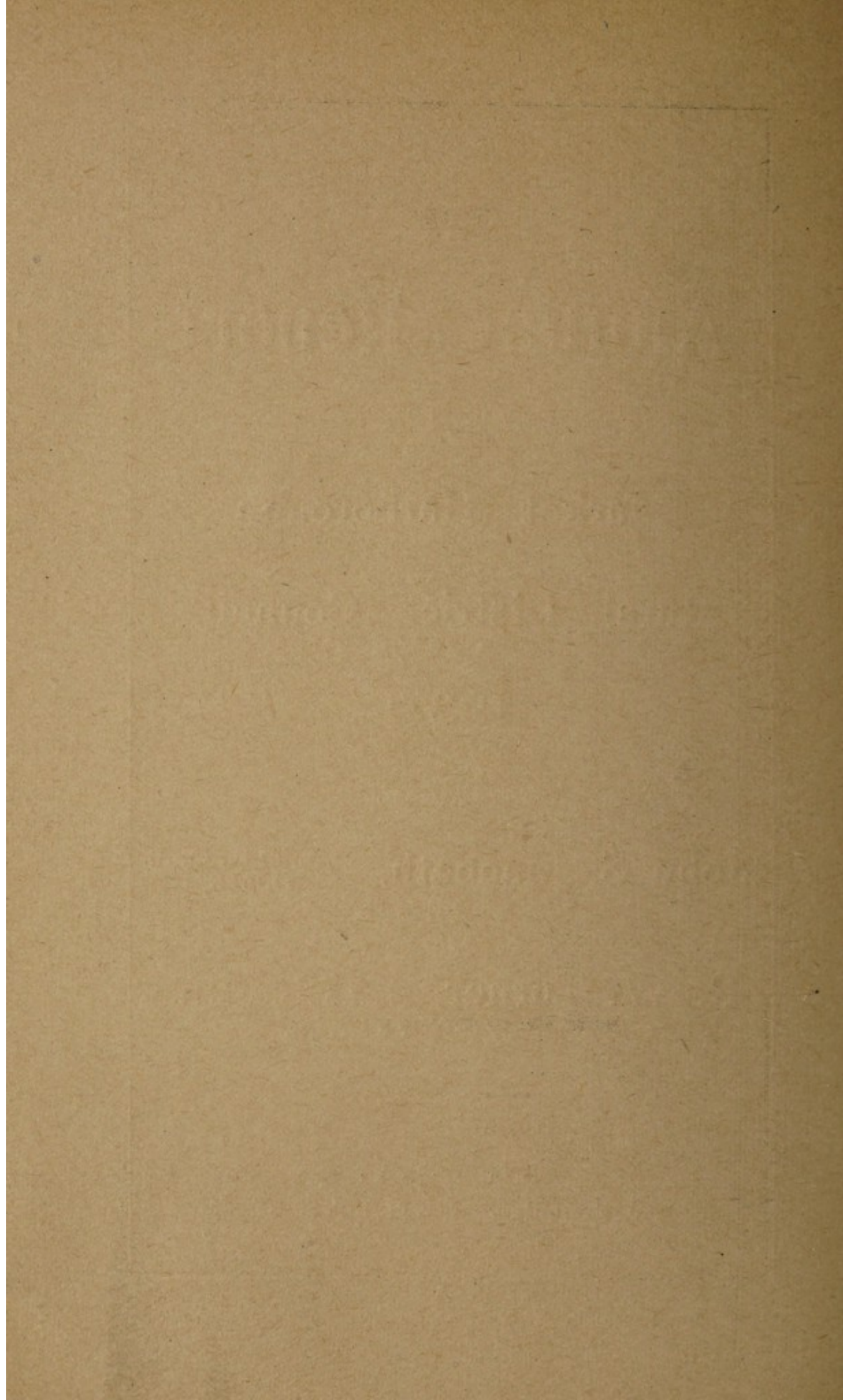
BY

John S. Macbeth, M.A., M.B., Ch.B.
D.P.H.
Medical Officer of Health.

AND

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ANNUAL REPORT.

Gentlemen,

I have the honour to present to you my Annual Report together with that of your Surveyor and Sanitary Inspector.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres) ...	...	...	45,166
Registrar General's estimate of resident population (mid 1937) ..	...	...	8,688
Number of inhabited houses (end of 1937) according to rate books	...	...	2,685
Rateable value ...	31/3/38	...	£39,046
Sum represented by a penny rate	...	...	£156 0 4

Social Conditions.

There is no change in the social or industrial aspect from that of other years : unemployment has not been marked.

Vital Statistics.

BIRTHS.

		Total.	M.	F.
Live Births	{ Legitimate ...	105	55	50
	{ Illegitimate ...	6	2	4
		111	57	54

Birth Rate per 1000 of estimated resident population 14.5

		Total.	M.	F.
Still Births	{ Legitimate ...	4	2	2
	{ Illegitimate ...	—	—	—
		4	2	2

Rate per 1000 total (live and still) births ... 33.05

DEATHS.

The total number of deaths from all causes was 128 ; 74 male and 54 female.

Death Rate per 1000 of the estimated resident population 14·6

The principal causes of death were as follows :

(1)	Heart Disease	...	...	37
(2)	Circulatory Diseases	...	...	11
(3)	Pneumonia (all forms)	...	...	2
(4)	Cancer	...	...	22
(5)	Tuberculosis (all forms)	...	...	8

Deaths from Puerperal Causes.

(1)	Puerperal Sepsis	...	...	0
(2)	Other puerperal causes	...	...	0

Deaths of Infants under 1 year of age.

(a)	All infants per 1000 births	...	...	47·6
(b)	Legitimate infants per 1000 Legitimate live births	...	...	47·6
(c)	Illegitimate „ „ Illegitimate „	...	...	Nil

	Deaths from Cancer (all ages)	...	...	22
	„ „ Measles „	...	...	0
	„ „ Whooping Cough (all ages)	...	...	0
	„ „ Diarrhoea (under 2 years of age)	...	...	0

GENERAL REMARKS ON VITAL STATISTICS.

The Death Rate shows an increase on the previous year and the Birth Rate is the same. The Death Rate exceeding the Birth Rate by ·1. There was no marked epidemic throughout the year and no unusual or excessive mortality. Deaths from Cancer show a marked increase.

Section B.

GENERAL PROVISION OF HEALTH SERVICE FOR THE AREA.

(1) *Public Health Officers of the Authority :*

- (a) Medical : J. S. Macbeth, M.A., M.B., Ch.B., D.P.H., (Part time)
- (b) Sanitary : R. W. Turner, M.S.I.A., A.R.SAN. I., Senior Inspector
(Whole time)
C. A. Kortegas, M.S.I.A., Additional Inspector „

Ambulance Facilities. So far, Ambulance facilities have proved adequate. The area is served by St. John Ambulance from Market Harborough (5 miles distance approx.) and from Leicester (10 miles average distance) ; also the Leicester Fire Brigade Ambulance.

In some villages there is a voluntary Ambulance Scheme by which Ambulance is provided at reduced or no cost to those unable to pay.

LABORATORY EXAMINATIONS.

The following is a detailed list of the examinations of clinical material made at the County Laboratory for your Council.

Milk Examinations (bacteriological)	...	143
Sewage and Water Analyses	...	18
Sputa for T.B.	...	25
Swabs for Diphtheria	...	84
Urine (General)	...	1
Urine (for T.B.)	...	1
Hair (for Ringworm)	...	2
Differential Blood Counts	...	2

DIPHTHERIA IMMUNISATION SCHEME.

Owing to a considerable number of cases of Diphtheria, 25 in the Kibworths and Smeeton, it was decided to offer and carry out a scheme of voluntary immunisation to the poorer inhabitants of the district. It was decided that the work be carried out by the patients' own doctor at a charge of 6/- per patient. The material used was Burroughs Wellcome & Co. Diphtheria Prophylactic T.A.F., to be supplied by the Rural District Council.

The method used was 3 injections at weekly intervals.

There was a good response while cases were prevalent and 101 children in the district were immunised.

As the occurrence of cases has ceased so has the demand for immunisation.

The Schick test was not used before or after immunisation.

SANITARY CIRCUMSTANCES OF THE AREA.

Water. The mains water supplies to Kibworth Beauchamp, Kibworth Harcourt, Smeeton and Fleckney were satisfactory during the year, a copy of analysis being forwarded by the Leicester City Water Corporation upon application. There were a total of 259 applications made for mains water during the year making a total of 544.

A scheme for the provision of mains water throughout the Parish of Lubenham has been forwarded and needs the confirmation of the Ministry of Health.

There have been shortages at Stonton Wyville, water having to be carted on 2 consecutive days, this it is hoped will be remedied in the near future.

There were 9 samples of water submitted for Analysis during the past year, 3 of which were good, 3 fair and 3 bad. Ten wells were repaired, made impervious to surface soakage, and cleansed.

Drainage and Sewerage. New sewers and sewage works were completed in Husbands Bosworth and Glooston Parishes

- | | | | |
|---------------------------------------|-----|------|-------|
| 1. Glooston—tanks and filter | ... | cost | £1335 |
| 2. Husbands Bosworth—tanks and filter | ... | cost | £4660 |

Instructions have also been given to Messrs. Coales & Green to prepare schemes for the provision of new sewers and out-fall works at Smeeton, an alternative scheme also to be prepared to include in the out-fall works the sewage from the Parishes of Kibworth Beauchamp and Kibworth Harcourt. The land used in connection with the purification of sewage from the two above mentioned Parishes being insufficient, even without growing crops, to take the quantity of sewage to be dealt with.

There was during the year approximately 300 yards of new 12in. sewer laid in the Parish of Drayton, part of the cost of which was borne by the County Council.

Rivers and Streams. No action was taken to prevent the pollution of rivers and streams during the year apart from constant supervision of all sewage works and out-falls.

Closet Accommodation.

Total number in the district at end of year :—

- | | | | |
|-----------------|-----|-----|------|
| 1. Privies | ... | ... | 210 |
| 2. Pail Closets | ... | ... | 122 |
| 3. W.C's | ... | ... | 1500 |

There were 133 privies (middens) and pail closets converted to the water carriage system during the year, and 1 privy (midden) converted to a pail closet. The majority of the above took place in the Parishes of Fleckney and Medbourne.

Scavenging. There is now a weekly collection of household refuse by Contractors throughout the whole of the area, the old open ashpits are being abolished and regulation galvanised iron dustbins substituted. The refuse tip at Lubenham has ceased to be used, the tips in use and under the control of the Council being at Hallaton, Foxton, Kibworth, Husbands Bosworth and Fleckney.

The cost of the carrying out of the collection which is for a contract period of two years is £958 per annum or the equivalent £18 8s. 5d. per week, or approximately 1½d per inhabited house per week.

Public cesspools and catch pits are cleansed at three monthly intervals or as often as may be necessary whichever is the shorter.

SANITARY INSPECTION OF THE AREA.

During the past year the following is a tabular statement of inspections, notices etc., carried out. :—

Building Inspections	...	...	277
Drain and Sewer Inspections	...	..	842
Closet work	...	...	45
Ashpit work	...	...	50
Scavenging Survey Inspections	...	...	685
Nuisance Inspections	...	...	76
Milk and Dairies Inspections	...	...	327
Milk Samples	...	...	41
Slaughter house Inspections	...	...	1214
Meat and Food Shop Inspections	...	..	295
Unsound Meat Inspections	...	...	159
Infectious Disease Cases	...	...	27
Houses Fumigated	...	..	30
Housing Inspections	...	...	374
Factory and Workshop Inspections	...	...	20
Petrol and Carbide Store Inspections	...	..	7
Dirty House Inspections	...	...	2
Water Supplies Survey	...	...	153
Water Samples	...	...	12
Total			4646

Total number of premises visited	...	...	...	1785
" " defects or nuisances discovered	...	...	...	430
" " complaints received	..	...	...	40
" " Notices served :—				
(a) Formal	...	...	...	1
(b) Informal	..	...	...	430
Total number of defects remedied after service after notices	...	...	...	360
" " summonses issued	...	...	...	Nil
" " convictions obtained	...	...	...	Nil

Tents, Vans and Sheds.

One application for a license to use a camping site was refused, and notice given for site to be vacated. This was complied with.

Rats and mice Destruction Act (1919)

Refuse tips were regularly inspected and baits laid, and advice and free bait was given to all who applied for same.

Shops.

Informal action was taken with regard to ventilation in one instance.

Smoke Abatement.

Informal action was taken with regard to a smoke nuisance from one factory and advice given ; this was abated.

Factory and Workshops.

In 5 cases informal action led to the remedying of defects and the abatement of nuisances.

Number of Inspections made	...	...	20
Number of Contraventions discovered...	...	...	5
" " abated	...	...	5

Schools.

In one instance the Sanitary circumstances of an elementary school were found to be unsatisfactory, this will be abated in the near future.

Disinfestation.

Several premises were successfully treated during the year because of flea infestation. No bug infestation was found or reported.

HOUSING.

(1) *Inspection of Dwelling Houses during the year :*

(1) (a)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ...	374
(b)	Number of inspections made for the purpose ...	480
(2) (a)	Number of dwelling-houses (included under Sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations 1925. ...	40
(b)	Number of inspections made for the purpose ...	65
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ...	18
(4)	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 ...	356

(2) *Remedying of defects during the year without Service of formal notices :*

	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers ...	63
--	---	----

(3) *Action under Statutory Powers during the year :*

(a) Proceedings under sections 9, 10 and 16 of the Housing Act 1936 :

(1)	Number of dwelling-houses in respect of which 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 default 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 | ... | Nil |
| (2) | Number of dwelling-houses in which defects were remedied after service of formal notices : | | |
| | (a) By owners | | Nil |
| | (b) By Local Authority in default of owners | ... | Nil |

(c) *Proceedings under Sections 11 and 13 of the Housing Act 1936 :*

- | | | | |
|-----|---|--------|----|
| (1) | Number of dwelling-houses in respect of which demolition orders were made | | 12 |
| (2) | Number of dwelling-houses demolished in pursuance of demolition orders | | 7 |

(d) *Proceedings under section 12 of the Housing Act 1936 :*

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

(4) *Housing Act 1936, Part IV Overcrowding :*

- | | | | | |
|-----|--|--|--------|----------|
| (a) | (i) | Number of dwellings overcrowded at the end of the year | | 4 |
| | (ii) | Number of families therein | | 4 |
| | (iii) | Number of persons dwelling therein (Equivalent adults) | | 23½ |
| (b) | Number of new cases of overcrowding reported during the year | | | 2 |
| (c) | (i) | Number of cases of overcrowding relieved during the year | | 5 |
| | (ii) | Number of persons concerned in such cases | ... | 35 |

- (d) Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding ... Nil
- (e) Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report ... Nil

New Buildings, etc.

Number of plans deposited	...	...	...	69
" " " approved	...	...	...	65
" " " disapproved	...	...	...	4
New dwellings	...	...	...	33
Other buildings	...	...	...	53

There were 10 Council houses built at Husbands Bosworth to re-house tenants from houses dealt with under the Council's housing programme

Inspection and Supervision of Food :

MILK.

Number on Register :

Producers and producer retailers	...	...	151
Retailers	...	...	6
Number of inspections of premises	...	...	351
" " contraventions found	...	...	39
" " contraventions remedied	...	...	17
" " samples taken for bacteriological examination	...	...	29
(a) Satisfactory	...	...	21
(b) Un satisfactory	...	...	8

The methods used for the production of milk and premises, are steadily on the up-grade. There are 23 producers of Accredited Milk in the area, and in this particular the standard of purity and cleanliness is very high.

Under the milk (Special Designation) Order 1936 One supplementary Tuberculin Tested Milk Licence was granted.

There are 14 registered slaughter-houses in the area and 6 licenced, the quality of the meat slaughtered is exceptionally high. As far as is possible there is 100% meat inspection throughout the area, and the number of inspections for the year amounted to 1214.

It was found necessary to take legal proceedings under the Public Health Acts in the case of 3 persons, two were found guilty and fined £50 and 12 guineas costs and £25 and 4 guineas costs respectively. The third case was dismissed the butcher being reprimanded.

CARCASES INSPECTED & CONDEMNED.

	Cattle including Cows	Cows	Calves	Sheep & Lambs	Pigs.	Total Weight
Number Inspected.	707	15	10	2205	1132	
All diseases except Tuberculosis						
Whole carcasses condemned		1	1	9		940 lbs.
Carcasses of which some part or organ was condemned	58		1	5	6	639 lbs.
Percentage of the number inspected affected with dis- ease other than tuberculosis	8.3%	6.6%	20%	0.63%	0.54%	
Tuberculosis only						
Whole carcasses condemned	2				1	1547 lbs.
Carcasses of which some part or organ was condemned	30				71	1581 lbs.
Percentage of the number in- spected affected with tuberculosis	4.5%				6.3%	

Total weight of Meat Condemned 4707 lbs.

Meat Shops, Meat Stores, etc. :

Number of inspections	...	...	...	295
-----------------------	-----	-----	-----	-----

Places where food (other than meat) is kept or prepared for sale :

Number of inspections	...	...	...	16
-----------------------	-----	-----	-----	----

Adulteration, etc :

The Food and Drugs Acts are administered by the Leicester-shire County Council.

Slaughter of Animals' Act 1933 :

It was resolved by the Council not to adopt the use of mechanical appliances in relation to the slaughter of sheep.

There were 38 licences granted under the provisions of the above Act to Slaughtermen.

PREVALENCE OF, AND CONTROL OVER
INFECTIOUS AND OTHER DISEASES.

Disease.	Total Cases Notified.	Cases admitted to Hospital.	Total Deaths.
Smallpox	Nil	Nil	Nil
Scarlet Fever .. .	6	6	Nil
Diphtheria	25	22	1
Enteric Fever (including Paratyphoid)	1	Nil	Nil
Puerperal Fever	Nil	Nil	Nil
Puerperal Pyrexia	1	1	Nil
Pneumonia	1	1	1

ANALYSIS OF NOTIFIED CASES UNDER
AGE GROUP.

Age Group.	Scarlet Fever.	Diphtheria.
Under 1 year	0	0
1 "	0	0
2 years	0	1
3 "	1	3
4 "	0	2
5 "	1	1
10 "	2	10
15 "	0	5
20 "	0	2
35 "	2	0
45 "	0	1
65 & over	0	0

TUBERCULOSIS.

No action had to be taken under—

- (a) Public Health (Prevention of Tuberculosis) Regulations, 1925.
- (b) Section 62 of the Public Health Act, 1925.

New cases and Mortality during 1937.

Age Periods.	NEW CASES.				DEATHS.			
	Respiratory.		Non-Respiratory		Respiratory.		Non-Respiratory	
	M	F	M	F	M	F	M	F
0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
25	2	3	1	1	3	2	0	0
35	0	0	0	0	0	0	0	0
45	0	2	0	1	0	0	0	0
55	0	0	0	0	0	0	0	0
65 & over	0	0	0	0	0	0	0	0
TOTALS	2	5	1	2	3	2	0	0

JOHN S. MACBETH,
Medical Officer of Health.

ROBERT W. TURNER,
Senior Sanitary Inspector & Surveyor.

TABLE III

Summary of the results of the investigation of the effect of the various factors on the rate of the reaction between the various components of the system.

Time (min)	Concentration of A (mole/l)				Concentration of B (mole/l)			
	0.1	0.2	0.3	0.4	0.1	0.2	0.3	0.4
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE IV
Summary of the results of the investigation of the effect of the various factors on the rate of the reaction between the various components of the system.

TABLE V
Summary of the results of the investigation of the effect of the various factors on the rate of the reaction between the various components of the system.

