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BOROUGH



OF LUTON



ANNUAL REPORT

of the

Medical Officer of Health

and the

Chief Sanitary Inspector

FOR THE YEAR 1942

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BOROUGH OF LUTON



Public Health Department,
Town Hall,
LUTON.
1943.

To His Worship the Mayor, Alderman and Councillors
of the Borough of Luton.

Ladies and Gentlemen,

I am now able to submit the Sixty-fourth Annual Report on the health and sanitary conditions of the Borough.

The Report has been kept as short as possible in accordance with wartime policy, and there is little elaboration of tabular statements.

The incidence of notifiable infectious diseases was low throughout the year and particularly was there less Scarlet Fever, Whooping Cough and Measles than during 1941.

During the late summer both the Maternity Hospital and the Emergency Maternity Unit were involved in an outbreak of enteritis of the new born. There were nine cases in the Emergency Maternity Unit and all recovered: five fatalities were associated with the Maternity Hospital outbreak which remained unexplained after an investigation in which the department was assisted by Medical Officers of the Ministry of Health. It is known that similar outbreaks occurred in other parts of the country.

The Maternal Mortality rate fell to a new low level of 0.52 maternal deaths per thousand total births. There were three maternal deaths during the year and all of them occurred in the Emergency Maternity Unit. One death was transferable to another district and one only was recorded as a death from puerperal causes. There was no death from septic causes.

During each of the years 1941 and 1942 more than double the number of notifications of Puerperal Pyrexia were received than in any year since 1936. It would be wrong to draw the conclusion that Puerperal Pyrexia has been commoner during the last two years. All but two notified cases (i.e. 41 notified Puerperal Pyrexias) were investigated and eight only proved to be cases of puerperal sepsis. Haemolytic streptococci were recovered in three cases within the latter group. Thirty-five notifications were received from the Borough Maternity Hospital and Emergency Maternity Unit and eight from other sources. It is reasonable to conclude that the increase in the number of notifications indicates a scrupulous observance

latterly of the Puerperal Pyrexia Regulations in institutions under the Council's control.

Whereas the Birth Rate for 1941 was the lowest recorded in the Borough since 1933, the Birth Rate for the year 1942 reached a higher level than for any year since 1924. The rate for Luton is again higher than that for England and Wales as a whole.

The graph on page 22 shows pictorially the proportion of the child community between the ages of one year and fifteen years who may be presumed to be protected against diphtheria either as a result of artificial immunisation or because they have suffered from the disease. Of 22 cases primarily notified as suffering from diphtheria the diagnosis was established in 18. One of these only had been artificially immunised. The number of notified cases of diphtheria fell to a new low level with only one fatal case in the Borough in a child who had not been immunised. It is too early to say with conviction to what extent the reduced incidence of diphtheria and the low diphtheria mortality are the result of artificial immunisation procedures although the remarkable fall during 1942 is highly suggestive.

I have the honour to be,

Your obedient Servant,

F. GRUNDY.

SECTION A.—STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

1. GENERAL STATISTICS.

Area (from 1st April, 1939)	8,736 acres
Population (Census 1931)	68,523
Registrar-General's Estimate for 1942	101,600
Number of inhabited houses, 1942	28,830
Rateable value	£859,862 (unreduced)
	£752,952 (reduced)
Sum represented by Penny Rate	£3,021

2. EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1942.

				<i>Total.</i>	<i>Males.</i>	<i>Females.</i>
Live births	Legitimate	...	...	1720	880	840
	Illegitimate	...	...	100	49	51
Birth Rate per 1,000 of estimated resident population				...	...	17.91

			<i>Total.</i>	<i>Males.</i>	<i>Females.</i>
Stillbirths	Legitimate	67	40	27	
	Illegitimate	2	—	2	
Rate per 1,000 total (live and still) births		...	...	...	36.52

	<i>Total.</i>	<i>Males.</i>	<i>Females.</i>
Deaths	998	518	480
Death rate per 1,000 estimated resident population			9.82

Deaths from Puerperal Causes (Headings 29 and 30 of Registrar-General's short list) :—

				<i>Deaths.</i>	<i>Rate per 1,000 total births.</i>
No. 29 Puerperal Sepsis	...	...	—	—	—
No. 30 Other Puerperal causes	...		1		0.52
Total				1	0.52

Death Rates of Infants under 1 year of age :—

All Infants per 1,000 live births	44.50
Legitimate per 1,000 legitimate births	43.60
Illegitimate per 1,000 illegitimate births	60.00

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY,
MATERNAL DEATH RATES AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES IN THE YEAR 1942.

(England and Wales, London, 126 Great Towns and 148 Smaller Towns).
(Provisional figures based on Weekly and Quarterly Returns).

	LONDON.	ENGLAND AND WALES.	126 County Boro's and Great Towns including London.	148 Smaller Towns (Resident Population 25,000 to 50,000 at 1931 Census).	London Administrative County.
*Rates per 1,000 Civilian Population					
Births :					
Live	17.91	15.8†	17.3	18.4	14.0
Still	0.67	0.54†	0.66	0.62	0.48
Deaths :					
All causes	9.82	11.6†	13.3	12.1	13.9
Typhoid and Paratyphoid ...	0.00	0.00	0.00	0.00	0.00
Scarlet Fever	0.00	0.00	0.00	0.00	0.00
Whooping Cough	—	0.02	0.03	0.02	0.04
Diphtheria	0.01	0.05	0.06	0.04	0.02
Influenza	0.02	0.09	0.09	0.10	0.07
Smallpox	—	—	—	—	—
Measles	—	0.01	0.02	0.01	0.01
Rates per 1,000 Live Births					
Death under 1 year of age ...	44	49	59	46	60
Death from Diarrhoea and Enteritis under 2 years of age	7.6	5.2	7.5	4.8	8.6
*Rates per 1,000 Civilian Population					
Notifications :					
Typhoid Fever	—	0.01	0.01	0.01	0.02
Paratyphoid Fever	—	0.01	0.01	0.01	0.01
Cerebro Spinal Fever	0.20	0.14	0.17	0.12	0.15
Scarlet Fever	0.84	2.19	2.49	2.34	1.86
Whooping Cough	0.90	1.73	1.97	1.58	2.72
Diphtheria	0.17	1.05	1.35	0.91	0.76
Erysipelas	0.10	0.30	0.36	0.26	0.43
Smallpox	—	0.00	0.00	—	0.00
Measles	3.04	7.46	9.27	7.39	8.62
Pneumonia	0.54	1.07	1.30	0.94	0.94
Rates per 1,000 Total Births (Live and Still)					
Maternal Mortality (ex. Abortion):					
Puerperal Infection (No. 147)	—	0.42	} Not available		
Others	0.52	1.59			
Total	0.52	2.01			
Notifications :					
Puerperal Fever	22.75	12.61	15.94	10.80	3.10
Puerperal Pyrexia					17.69‡

* A dash (—) signifies that there were no deaths.

† These rates are those published in the Quarterly Return.

‡ Including puerperal fever.

SECTION B.—GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1 (A). BACTERIOLOGICAL AND PATHOLOGICAL WORK.

Total number of examinations	9,682
Public Health Department	3,157
Other Local Authorities	585
Beds. County Council	73
Dunstable Borough	85
Leighton Buzzard U.D.C.	75
Luton R.D.C.	146
Isolation Hospital, Dunstable	180
Other Authorities	26
Luton and Dunstable Hospital (with the assistance of an E.M.S. Assistant Pathologist)	4,756
Luton Children's Hospital	481
Beds. National Health Insurance Committee	177
Pathologist's private practice	526
Bacteriological examinations	5,544
Diphtheria	2,478
Biological	24
Complement fixation tests (not performed in this laboratory)	221
Other examinations	2,821
Biochemistry	1,212
Blood examinations	518
Urine examinations	352
Miscellaneous examinations	342
Sanitary Investigations	349
Water examinations	224
Milk examinations	112
Miscellaneous examinations	13
Haematology	1,884
Histology	626
Post mortems	67

1 (B). PROFESSIONAL NURSING IN THE HOME.

No change.

1 (C). CLINICS AND TREATMENT CENTRES.

No change.

2 (A). NOTIFICATION OF BIRTHS.

2,351 births were notified during the year under the Public Health Act, 1936—Part VII—Sec. 203 :—

473 by Doctors and Parents.

1,878 by Midwives.

2 (B). REGISTRATION OF BIRTHS.

During the year 1942 the number of births registered in Luton was 2,292, whereas the number of live births notified under the Public Health Act, 1936, was 2,279.

TABLE SHOWING DISTRIBUTION OF NOTIFIED BIRTHS AS BETWEEN INSTITUTIONAL AND DOMICILIARY CONFINEMENT.

Year	Institutional					Domiciliary				Grand Total
	B.M.H.	Em. Unit	P.A.I.	Private Nsg. Home	Total	Mun. M/W	Notified by		Total	
							Private M/W	Dr. & Parents		
1935	—	—	20	112	132	—	681	527	1,208	1,340
1936	28	—	42	202	272	—	770	423	1,193	1,465
1937	445	—	19	169	633	124	527	390	1,041	1,674
1938	540	—	26	172	738	477	271	210	958	1,696
1939	568	84	38	166	856	583	131	109	823	1,679
1940	588	175	21	194	978	674	—	106	780	1,758
1941	583	504	46	216	1,349	463	—	162	625	1,974
1942	576	681	58	329	1,644	508	3	196	707	2,351
Total	3,328	1,444	270	1,560	6,602	2,829	2,383	2,123	7,335	13,937

2. (C). STILLBIRTHS.

Each case of stillbirth was investigated and the causes were found to be as follows :—

STILLBIRTHS.

Cause	B.M.H.	Em. Unit	L. & D.H.	St. Mary's Hosp.	Doctor	Midwife	Nursing Home
Complications of Labour ...	16	7	—	1	3	6	2
Toxaemia ...	5	2	—	—	—	—	1
Foetal States ...	2	7	—	—	1	1	—
Prematurity ...	1	1	—	—	—	—	—
Chronic Maternal Disease ...	—	—	—	—	—	—	—
Unexplained Cause	3	3	2	—	1	3	2
Totals ...	27	20	2	1	5	10	5

3 (A). MATERNITY SERVICES.

TABLE I. NUMBER OF ATTENDANCES AT CLINICS DURING THE YEAR 1942.

1942	Beechwood Health Centre		Maternity Hospital		Total	Post-Natal Clinic Total Attends	School for Mothers Total Attends
	First Attends	Subs. Attends	First Attends	Subs. Attends			
January ...	102	457	38	167	764	17	32
February ...	68	523	30	145	766	22	38
March ...	117	597	29	187	930	33	71
April ...	76	608	21	172	877	20	66
May ...	83	629	22	147	881	47	77
June ...	98	705	21	137	961	54	62
July ...	137	786	23	164	1110	38	32
August ...	124	762	26	132	1044	30	46
September ...	120	733	32	173	1058	51	54
October ...	91	644	32	227	994	35	62
November ...	93	622	15	187	917	37	59
December ...	71	620	15	183	889	49	52
Total ...	1,180	7,686	304	2,021	11,191	433	651

TABLE II. ATTENDANCES AT ANTE-NATAL CLINICS, 1935—1942.

	First Attendances	Subsequent Attendances	Total Attendances
1935 ...	—	—	535
1936 ...	384	1,035	1,419
1937 ...	927	3,264	4,191
1938 ...	1,018	3,686	4,704
1939 ...	1,616	3,967	4,960
1940 ...	1,630*	6,782*	8,412*
	695	2,025	2,720
1941 ...	2,022*	8,416*	10,438*
	587	1,788	2,375
1942 ...	2,136*	12,729*	14,865*
	652	3,022	3,674

* Includes attendances at Municipal Midwives Ante-natal Clinics which are shown immediately below the total figure.

TABLE III. NUMBER OF CONSULTATIONS, WEIGHINGS, ETC.
AT INFANT WELFARE CENTRES, DURING THE YEARS
1938—1942.

	First Attendances		No. on Register at end of year	Consulta- tions	Infants weighed
	Under 1 year	1-5 years			
1938	1,169	418	3,750	9,204	38,861
1939	1,156	286	3,280	7,484	31,362
1940	1,619	455	4,147	6,334	31,965
1941	1,427	525	4,085	4,952	32,990
1942	1,449	209	3,865		21,124

3 (B). INSTITUTE OF RAY THERAPY.

50 Cases were treated at the Institute on behalf of the Local Authority.
Lump sum payment £25.

3 (C). DENTAL CLINIC.

Adults—

No. of sessions	...	...	...	...	...	41
No. of gas sessions	...	...	...	...	...	28
No. of patients referred	...	...	...	...	...	190
No. of patients who attended	...	...	...	...	...	158
No. of attendances made	...	...	...	...	...	442
No. of cases in which dentures were required	...	...	...	...	...	22
No. of cases in which dentures were supplied	...	...	...	...	...	15
Cost of dentures	...	...	...	...	...	£66 1s.
Amount recoverable from patients	...	...	...	...	...	£54 7s.

Children—

No. of patients referred	...	...	...	...	...	80
No. of patients who attended	...	...	...	...	...	95
No. of attendances made	...	...	...	...	...	176

3 (D). NATIONAL SOCIETY FOR THE PREVENTION OF CRUELTY TO CHILDREN.

During the year 1942 the Inspectors were responsible for dealing with 39 cases on behalf of the Department, and the closest co-operation resulted without exception in a satisfactory issue.

3 (E). WHITE HOUSE SICK BAY.

Patients in Sick Bay on 1.1.42	...	...	...	...	...	18
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Admissions	...	...	...	...	Total	93
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Status :

Accompanied Evacuees	...	...	1
Unaccompanied Evacuees	...	...	8
Local patients	...	...	84
			93

Conditions :

Scabies	...	...	...	24
Impetigo	...	...	...	45
Dermatitis	...	...	...	2
Urticaria	...	...	...	1
Enuresis	...	...	...	1
Debility	...	...	...	10
Marasmus	...	...	...	2
Pink's Disease	...	...	...	1
Septic Sores	...	...	...	1
Others	...	...	...	6
				93

Discharges	...	...	...	...	Total	107
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Status :

Accompanied Evacuees	...	...	3
Unaccompanied Evacuees	...	...	9
Local patients	...	...	95
			107

Conditions :

Scabies	...	...	...	35
Impetigo	...	...	...	46
Dermatitis	...	...	...	2
Urticaria	...	...	...	1
Enuresis	...	...	...	1
Debility	...	...	...	10
Marasmus	...	...	...	2
Pink's Disease	...	...	...	1
Others	...	...	...	9
				107

Remaining-in—31.12.42	...	...	...	Total	4
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Status :

Accompanied Evacuees	...	...	—
Unaccompanied Evacuees	...	...	—
Local patients	...	...	4
			4

Conditions :

Impetigo	...	...	...	4
				4

3 (F). BURY PARK CLEANSING STATION.

In December, 1941, a cleansing station equipped with 4 baths was set up in the Bury Park First Aid Post and received (throughout 1942) cases of scabies for treatment and persons infested with lice for cleansing.

There follows a tabular statement of the work done during the year :

Total attendances at cleansing station	...	...	...	...	10,275
Number of treatments by bathing	...	...	...	...	4,077
Number of heads cleansed	...	...	...	...	1,287
Number of individual cases of scabies treated during the year					1,957
Number of follow-up visits paid to homes	...	...	...		1,845

118 children of school age, and 6 children of pre-school age attended for cleansing on three or more occasions.

Reports based on the inspection of school children show that there has been no material change in the incidence of lousiness in Luton since the Bury Park Cleansing Station was opened. There is, however, reason to believe that the cleansing station has been valuable in controlling lousiness which would in the absence of facilities almost certainly have become a more serious problem because of a falling standard of parental care due to wartime conditions. The loss of school time due to exclusion for uncleanness has been reduced to the order of two school days as against an average of five school days in previous years.

Children under the age of five years attending the Council's Wartime Nurseries have been cleansed in the nurseries.

TABLE IV. HOME VISITS BY HEALTH VISITORS.

	Children under 1 year		Children 1-5 years		Expectant Mother		Special Visits In- fectious Disease, etc.	Infant Life Pro- tection	Total Visits
	First Visits	Re- Visits	First Visits	Re- Visits	First Visits	Re- Visits			
1938 ...	1,555	5,475	467	11,786	366	149	1,354	399	21,551
1939 ...	1,656	4,490	863	10,762	—	503	4,530	352	23,156
1940 ...	1,679	3,993	239	8,099	—	325	6,376	205	20,196
1941 ...	1,963	5,008	112	8,583	—	219	5,422	131	21,438
1942 ...	2,203	5,698	273	7,765	—	56	8,665	65	24,725

4. PUBLIC HEALTH ACT, 1936, PART VII.
CHILD LIFE PROTECTION.

Number of persons who were receiving children for reward at the end of the year	...	...	...	...	...	...	...	27
Number of children :								
(a) At the end of the year	...	...	...	...	...	...	...	31
(b) Who died during the year	...	...	...	...	...	...	...	—
(c) On whom inquests were held during the year	...	...	...	...	...	...	...	—
Number of child protection visitors at the end of the year who were :								
(a) Health visitors	...	...	...	...	...	...	...	1
(b) Female, other than health visitors	...	...	...	...	...	...	...	—
(c) Male	...	...	...	...	...	...	...	2
Number of other authorised visitors	...	...	...	...	...	...	...	Nil
Proceedings taken during the year	...	...	...	...	...	...	...	Nil
Number of visits paid in connection with above	...	...	...	...	...	...	...	65

5. MATERNAL DEATHS.

Three maternal deaths occurred during 1942 in the Borough of Luton. Each of these deaths was the subject of the usual confidential enquiry.

All these deaths occurred in the Borough Maternity Hospital (Ext.).

TABLE V. MATERNAL DEATHS, 1935-1942.

Year	Maternal Deaths			Rate		Births			
	Sepsis	Other	Total	Per 1,000 live births	Per 1,000 total births	Live	Still	Total	Still-Birth Rate
1935 ...	3	7	10	7.8	7.46	1,282	57	1,339	42.55
1936 ...	2	4	6	4.26	4.06	1,406	65	1,471	46.25
1937 ...	—	6	6	3.92	3.77	1,530	61	1,591	38.34
1938 ...	2	4	6	3.82	3.71	1,567	49	1,616	30.32
1939 ...	1	3	4	2.61	2.51	1,528	61	1,589	38.38
1940 ...	—	2	2	1.24	1.21	1,543	36	1,579	21.30
1941 ...	—	2	2	1.33	1.29	1,440	47	1,487	31.60
1942 ...	—	1	1	0.54	0.52	1,820	69	1,889	36.52

6. BOROUGH MATERNITY HOSPITAL.

Clinical Statistics.

	<i>Borough Maternity Hospital.</i>	<i>Extension.</i>	<i>Total.</i>
No. of patients in hospital—1.1.42 ...	26	35	61
No. of patients admitted during the year	631	761	1,392
	657	796	1,453
No. of patients in hospital—31.12.42 ...	26	22	48
No. of patients died during the year ...	—	3	3
Admissions :			
(a) Confinement	551	681	1,232
(b) For ante-natal or post-natal treatment	80	80	160
	631	761	1,392
No. of patient-days :			
(a) Ante-natal or post-natal treatment	794	658	1,452
(b) Confinements	7,115	8,725	15,840
	7,909	9,383	17,292
(c) Extra babies	—	—	—
Average duration of stay of women delivered in hospital	12.88 days	12.80 days	—
Proportion of patients delivered by :			
(a) Midwives	488	643	1,131
(b) Doctors	64	38	102
Cases booked at ante-natal clinics :			
(a) Discharged well	510	648	1,158
(b) Transferred	4	5	9
(c) Died	—	2	2
(d) Discharged undelivered and remaining in hospital	73	96	169
Cases admitted as emergencies :			
(a) Discharged well	37	7	44
(b) Transferred	2	—	2
(c) Died	—	1	1
(d) Discharged undelivered and remaining in hospital	5	2	7
Number of primiparae (all cases)— ...	297	343	640
Emergency cases :			
(a) Primiparae	16	4	20
(b) Multiparae	23	4	27

				<i>Borough Maternity Hospital.</i>	<i>Extension.</i>	<i>Total.</i>
Operations performed :						
Caesarean Section	...	...	...	4	—	4
Forceps delivery	...	...	...	36	35	71
Caesarean Section and sterilisation	...	...	...	1	—	1
Hysterotomy and sterilisation	...	...	...	2	—	2
Rupture of membranes for induction of labour	...	...	...	11	5	16
Post-partum haemorrhage	...	...	...	18	3	21
Perineal tear	...	...	...	93	53	146
Number of extraordinary calls on consultant staff :						
Mothers—Ante-natal	...	...	...	1	—	1
Intra-natal	...	...	...	4	—	4
Post-natal	...	...	...	—	—	—
Infants	...	...	...	—	—	—
No. of borough cases	...	...	...	502	431	933
No. of county cases	...	...	...	97	58	155
Others	...	...	...	32	272	304
Daily average for the year	...	...	...	22.26	25.70	
Maximum number of patients on any one day	...	...	...	30	38	68
Forceps rate	...	...	...	6.52%	5.13%	5.75%
No. of deliveries	...	...	...	552	681	1,233
No. of viable children born	...	...	...	558	693	1,251
Left hospital alive and well	...	...	...	514	656	1,170
No. of stillbirths	...	...	...	27	23	50
No. of infantile deaths	...	...	...	17	14	31
Causes of stillbirth :						
Hydrocephalus	...	...	...	1	1	2
Ante-partum haemorrhage	...	...	...	2	3	5
Disproportion	...	...	...	3	—	3
Anencephalus and hydramnios	...	...	...	1	7	8
Macerated foetus	...	...	...	1	—	1
Toxaemia	...	...	...	5	4	9
Oblique lie	...	...	...	2	—	2
Placenta praevia	...	...	...	2	—	2
Eclampsia	...	...	...	2	—	2
Post-maturity	...	...	...	1	—	1
Breech presentation	...	...	...	4	1	5
Impacted breech	...	...	...	1	—	1
Shoulder presentation	...	...	...	—	1	1
Prolapsed cord	...	...	...	1	—	1
Other causes	...	...	...	1	2	3

	<i>Borough Maternity Hospital.</i>	<i>Extension.</i>	<i>Total.</i>
Causes of infantile deaths :			
Prematurity	9	7	16
Cerebral haemorrhage	1	1	2
Haemorrhagica neonatorum	1	—	1
Asphyxia neonatorum	1	—	1
Gastro-enteritis	3	1	4
Heart disease	—	2	2
Atelectasis	—	1	1
Marasmus	2	—	2
Feeding :			
Breast fed alone	387	583	970
Breast fed supplemented by artificial food	69	50	119
Artificial food alone	61	35	96
School for mothers (total attendances) ...	651	—	651
Post-natal clinic (total attendances) ...	433	—	433

Training School : Midwifery—Part II.

No. of pupil midwives who passed the examination of the Central Midwives Board during the year	40
---	----

Hostel for Expectant Mothers—48, Napier Road.

No. of expectant mothers who were billeted at the Hostel during the year :		
1st admissions	72	
Re-admissions	6	
Total	78	
No. of bed-days occupied	1,526	

7. ADMINISTRATION OF THE MIDWIVES' ACTS.

Distribution of Midwives, 31st December, 1942.

(a) Private Practice	2
(b) Municipal Midwives	8
(c) In Private Nursing Homes	5
(d) Public Assistance Institution	14
(e) Borough Maternity Hospital	11
(f) Emergency Maternity Unit	4

NOTIFICATIONS.

During the year ended 31st December, 1942, the following notifications were received from midwives :—

TABLE VI. NOTIFICATIONS RECEIVED FROM MIDWIVES.

	Nursing Homes	Muni- cipal Mdwves.	Institu- tional (P.A.I. & E.M.U.)	Mat. Hosp.	Inde- pendent Practice	Total
(a) Intention to practise ...	5	10	18	11	2	46
(b) Intention to cease prac- tise ...	—	2	—	—	—	2
(c) Change of address ...	—	—	—	—	—	—
(d) Change of name ...	—	—	—	—	—	—
(e) Sending for medical help	3	105	—	—	—	108
(f) Stillbirths occurring in practice ...	—	13	—	—	—	13
(g) Deaths occurring in practice—						
(i) Mothers ...	—	—	—	—	—	—
(ii) Infants ...	—	7	—	—	—	7
(h) Laying out the dead ...	—	14	—	—	—	14
(i) Liability to be a source of infection ...	—	2	—	—	—	2
(j) Substitution of artificial feeding ...	—	18	—	—	—	18

Supervisor of Midwives.

Routine inspection visits ...	...	...	...	...	...	4
" " " (Midwife out) ...	...	...	...	...	...	4
Special enquiry visits in respect of notifications :						
(a) Medical help ...	...	...	...	...	...	107
(b) Stillbirths ...	...	...	...	...	...	16
(c) Deaths occurring in practice	...	...	...	...	...	—
(d) Ophthalmia Neonatorum ...	...	...	...	...	...	—
(e) Laying out the dead ...	...	...	...	...	...	—
(f) To supervise disinfection ...	...	...	...	...	...	7

Other visits :

Puerperal Pyrexia ...	...	...	...	...	...	7
Home helps ...	...	...	...	...	...	66
Nursing mothers ...	...	...	...	...	...	217
Labour visits ...	...	...	...	...	...	6
Nursing Homes ...	...	...	...	...	...	15
Administration of Gas and Air Anaesthetic	...	...	...	...	...	1
Ante-Natal and Post-Natal ...	...	...	...	...	...	81
Administration ...	...	...	...	...	...	784

Total ... 1,315

Ante-Natal Clinics attended ... 222

Puerperal Pyrexia

6 cases of Puerperal Pyrexia occurred in the practices of Municipal Midwives.

Ophthalmia Neonatorum.

No case occurred in Municipal Midwives' practices during the year.

Medical Aid.

During the year medical aid was sought in 108 of the midwives' cases.

During this period 84 accounts amounting to £135 19s. 6d. were received from medical practitioners for services rendered in response to requests for medical help from midwives, and the sum of £115 0s. 3d. is recoverable from patients.

TABLE VII. NUMBER OF CASES ATTENDED BY MIDWIVES.

District Number	Acting as Midwife	Acting as Maternity Nurse	Total
1	77	23	100
2	9	10	19
3	49	20	69
4	28	7	35
5	54	20	74
6	35	31	66
7	45	25	70
8	21	17	38
9	38	34	72
10	36	14	50
Total	392	201	593

TABLE VIII. NUMBER OF VISITS PAID BY MIDWIVES.

District Number	Expectant Mothers	Nursing Mothers	Post-Natal	Total
1	1,456	3,296	111	4,836
2	176	195	13	374
3	716	1,427	15	2,158
4	525	722	5	1,252
5	1,021	1,925	43	2,989
6	292	921	16	1,229
7	796	1,684	22	2,502
8	95	551	—	646
9	163	1,212	3	1,378
10	648	1,205	65	1,918
Total	5,888	13,111	293	19,282

TABLE IX. NUMBER OF PATIENTS ATTENDING MIDWIVES' ANTE-NATAL CLINICS.

District Number	No. of Clinics	No. of First Attendances	Subsequent Attendances	Total
1	50	136	489	625
2	7	10	36	46
3	25	67	271	338
4	14	61	154	215
5	23	86	246	332
6	27	48	218	266
7	23	94	297	391
8	13	27	143	170
9	25	87	271	358
10	15	36	187	223
Total	222	652	2,312	2,964

TABLE X. NUMBER OF PATIENTS ATTENDING CONSULTANT CLINICS.

District Number	No. of Clinics Attended	Attendances of Patients		Total
		Ante-Natal	Post-Natal	
1	49	232	38	270
2	3	4	—	4
3	29	73	4	77
4	13	60	3	63
5	19	93	15	108
6	15	24	7	31
7	31	100	15	115
8	3	19	5	24
9	13	34	3	37
10	18	71	8	79
Total	202	710	98	808

No. of cases in which medical aid was sought by Municipal Midwife	105
No. of emergency cases attended by Midwife	 10
No. of live births	 585
No. of stillbirths	 14
No. of Maternal deaths	 —

NURSING HOMES REGISTRATION ACT, 1927.

Name of Nursing Home	Date of Registration with Luton Borough Council	DIVISION OF BEDS			
		Maternity	Surgical	Medical	Total
Westdale	1.7.36 formerly with Beds C.C.	4	—	—	4
Belle Vue	1.7.36 formerly with Beds C.C.	—	5	3	8
The Haven	1.7.36 formerly with Beds. C.C.	4	—	—	4
The Chase	19.1.37	—	—	14	14
TOTALS		8	5	17	30

During the year 55 women were delivered in the Westdale Nursing Home, 96 in the Haven Nursing Home, and 101 in the Chase Nursing Home.

SECTION D.—HOUSING.

1. HOUSING STATISTICS.

I.—Inspection of Dwelling-houses during the year :—

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ...	1,698
(b) Number of inspections made for the purpose ...	3,923
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Acts ...	1
(b) Number of inspections made for the purpose ...	1
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	1
(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 ...	916

II.—Remedy 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 ...	911
---	-----

III.—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 ...	0
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By Owners ...	0
(b) By Local Authority in default of owners ...	0

B.—Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ...	15
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) By Owners ...	28
(b) By Local Authority in default of owners ...	0

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	*0
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	0

* An undertaking was given in respect of one house that it would not be relet for human habitation.

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	0
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	0

Housing Act, 1936 :—

(a) (i) Number of dwellings overcrowded at end of year	19
(ii) Number of families dwelling therein	22
(iii) Number of persons dwelling therein	181
(b) Number of new cases of overcrowding reported during the year	1
(c) (i) Number of cases of overcrowding relieved during the year	0
(ii) Number of persons concerned in such cases	0
(d) Cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	0
(e) (i) Number of Council houses found to be overcrowded at end of year	3
(ii) Number of families dwelling therein	4
(iii) Number of persons dwelling therein	29
(f) (i) Number of cases of overcrowding in Council houses relieved during the year	0

SECTION F.—PREVALENCE AND CONTROL OVER INFECTIOUS DISEASE.

TABLE I (A). SHOWS THE AGE DISTRIBUTION OF THE
NOTIFIED INFECTIOUS DISEASES, 1942.

Disease	AGE GROUPS												Total
	Under 1	1	2	3	4	5	10	15	20	35	45	65	
Scarlet Fever ...	—	—	7	3	10	47	9	2	4	4	—	—	86
Diphtheria ...	—	1	2	2	3	6	1	3	—	—	—	—	18
Whooping Cough ...	7	10	13	9	16	32	2	—	2	1	—	—	92
Measles ...	10	14	19	35	56	163	9	2	—	1	—	—	309
Pneumonia ...	3	1	3	1	4	4	1	6	7	8	13	4	55
Anterior Polio- myelitis ...	—	1	1	—	2	1	1	—	1	—	—	—	7
Dysentery ...	—	—	—	—	1	1	—	—	—	2	2	—	6
Ophthalmia Neonatorum ...	8	—	—	—	—	—	—	—	—	—	—	—	8
Puerperal Pyrexia ...	—	—	—	—	—	—	—	5	33	5	—	—	43
Cerebro-spinal Fever ...	—	2	—	2	3	2	3	2	3	1	2	1	21
Erysipelas ...	1	—	—	—	—	—	—	—	4	3	2	1	11
Totals ...	29	29	45	52	95	256	26	20	54	25	19	6	656

1 (B). OPHTHALMIA NEONATORUM.

(a) Number of cases notified during the year ...	...	...	...	8
(b) Number of cases visited by officers of the Council ...	...	...	...	8
(c) Number of cases for whom home nursing was provided by the Council ...	...	...	...	5
(d) Number of cases removed to hospital ...	...	...	...	3
(e) Number of cases in which vision was impaired ...	...	...	...	Nil

1 (C). DIPHTHERIA IMMUNISATION.

Number of children immunised since the inception of the scheme :

	Under 5 years.	Over 5 years.	Total.
1936 ...	—	—	936
1937 ...	—	—	482
1938 ...	—	—	320
1939 ...	—	—	112
1940 ...	82	122	204
1941 ...	1,207	6,631	7,838
1942 ...	1,836	1,038	2,874

DIPHTHERIA IMMUNISATION

GRAPH SHOWING PERCENTAGE OF UN-IMMUNISED POPULATION 0-15 YEARS
TOGETHER WITH
INCIDENCE, AND DEATHS FROM DIPHTHERIA

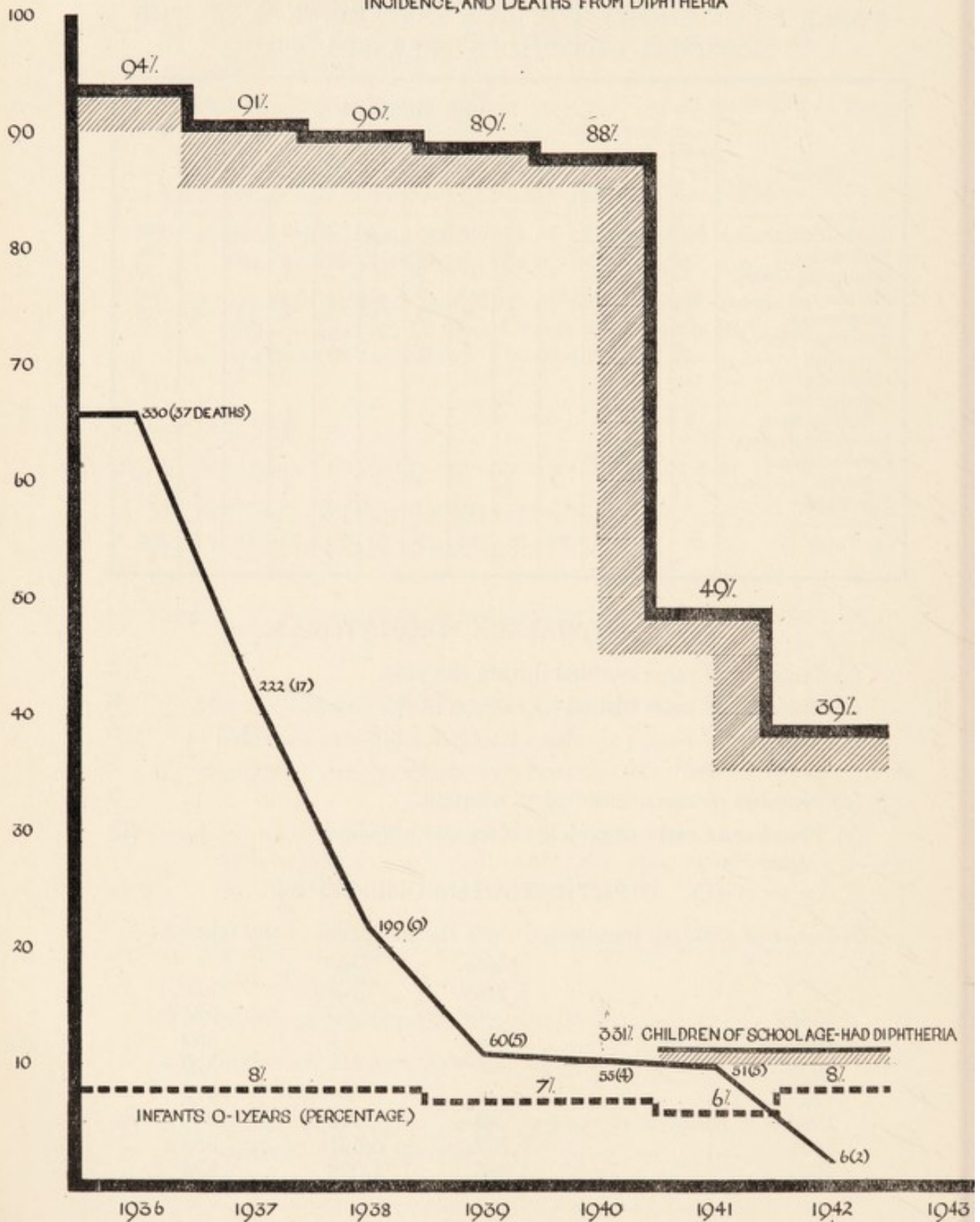


TABLE II. NOTIFICATIONS AND ADMISSIONS TO HOSPITAL DURING THE YEAR.

	Scarlet Fever		Diphtheria		Cerebro-Spinal Fever		Puerperal Pyrexia		Typhoid Fever		Others		Total	
	Notified	Admitt'd	Notified	Admitt'd	Notified	Admitt'd	Notified	Admitt'd	Notified	Admitt'd	Notified	Admitt'd	Notified	Admitt'd
January	7	6	1	1	6	5	—	—	—	—	32	2	48	14
February	8	7	1	2	2	3	1	—	—	—	14	5	28	18
March	3	3	5	4	6	8	3	—	—	—	14	6	32	24
April	3	3	1	1	2	2	1	—	—	—	23	6	33	13
May	5	6	—	1	1	1	1	—	—	—	15	9	25	18
June	2	2	2	2	1	2	1	—	—	—	26	1	34	8
July	7	4	5	5	3	3	1	—	—	—	14	2	36	15
August	6	5	6	7	3	3	—	—	—	—	14	5	37	20
September	6	3	3	4	3	2	1	—	—	—	25	2	40	12
October	17	15	2	2	—	—	—	—	—	—	13	1	32	18
November	16	8	4	4	—	—	1	—	—	—	44	5	67	18
December	12	6	—	—	3	2	1	—	—	—	262	9	284	18
Totals	92	68	30	33	30	31	11	—	—	—	496	53	696	196

SPITTLESEA HOSPITAL—ANNUAL STATISTICS—1942.

	No. of Patients Admitted	No. of Patient- Days
January	14	249
February	18	232
March	24	406
April	13	214
May	18	237
June	8	139
July	15	222
August	20	335
September	12	250
October	18	327
November	18	321
December	18	303
Total	196	3,235

Available bed-days	25,185
Actual bed-days of patients	3,235
Percentage of bed occupation	12.84%
Maximum number of patients on any one day ...	18
Minimum number of patients on any one day ...	8
No. of patients in hospital, 31.12.1941	11
No. of patients admitted during the year	196
	— 207
No. of patients discharged well	196
No. of patients who died	3
No. of patients remaining in hospital, 31.12.1942 ...	8
	— 207

TABLE III. DEATHS REGISTERED DURING THE CALENDAR YEAR 1942, CLASSIFIED ACCORDING TO SEX AND CAUSE.

Causes of Death	All Ages		Under 1 year	
	978 20		39 3	39 —
	M.	F.	Under 1 month	1 mth. and under 1 yr.
Typhoid and Paratyphoid Fevers ...	1	—	—	—
Cerebro-Spinal Fever ...	2	—	—	—
Scarlet Fever ...	—	1	—	—
Whooping Cough ...	—	—	—	—
Diphtheria ...	2	—	—	—
Tuberculosis of Respiratory System...	33	30	—	—
Other Forms of Tuberculosis ...	5	2	—	—
Syphilitic Diseases ...	2	—	—	—
Influenza ...	1	2	—	—
Measles ...	—	—	—	—
Acute Polio-Myelitis and Encephalitis	—	—	—	—
Acute Infantile Encephalitis ...	—	—	—	—
Cancer of Buc. Cav. and Oesoph. ...	8	—	—	—
Cancer of Uterus ...	—	13	—	—
Cancer of Stomach and Duodenum	13	7	—	—
Cancer of Breast ...	—	14	—	—
Cancer of all other sites ...	44	30	—	—
Diabetes ...	5	6	—	—
Intra-Cranial Vascular Lesions ...	43	63	—	—
Heart Disease ...	102	112	—	1
Other Circulatory Diseases ...	14	9	—	—
Bronchitis ...	40	29	—	4
Pneumonia ...	25	18	1	7
Other Respiratory Diseases ...	5	5	—	—
Ulcer of Stomach or Duodenum ...	8	2	—	—
Diarrhoea under 2 years of age ...	10	4	5	8
Appendicitis ...	2	2	—	—
Other Digestive Diseases ...	11	17	—	—
Nephritis ...	17	9	—	—
Puerperal and Post-Abortive Sepsis	—	—	—	—
Other Maternal Causes ...	—	1	—	—
Premature Birth ...	15	8	19	4
Congenital Malformation, Birth In- jury, Infantile Diseases ...	14	15	15	14
Suicide ...	5	5	—	—
Road Traffic Accidents ...	8	5	—	—
Other Violent Causes ...	16	7	—	—
All other causes ...	67	64	2	1
	518	480	42	39
	998		81	

REPORT
of the
Chief Sanitary Inspector

SECTION C.—SANITARY CIRCUMSTANCES OF THE AREA.

1 (A). GENERAL.

Luton, which has an area of 8,736 acres, is situated in a valley between the Chiltern Hills at 200 to 400 feet above sea level in the town, rising to 400 to 600 feet above sea level on the surrounding hills. It is mainly built upon the upper chalk, with loam and clay deposits.

Meteorology.—The Luton Meteorological Station, which is under the control of the Borough Engineer, is situated in Wardown Park, New Bedford Road, from which the following observations were taken :—

Sunshine.—1,474.6 hours of sunshine were recorded throughout the year. The sunniest day being the 3rd June, 1942, when 14.8 hours were recorded.

Rainfall.—The total rainfall recorded during the year was 21.78 inches, the wettest day being the 23rd January, 1942, when 0.75 inch of rain was recorded.

Temperatures.—The maximum temperature during the year was 86° F., recorded on the 28th August, 1942, whilst the minimum temperature was 11° F., on the 11th January, 1942, the mean temperature being 48.22° F.

Wind.—The prevailing wind during year was west.

1(B). WATER SUPPLY.

Luton has an abundant supply of excellent water which is distributed throughout the Borough by the Luton Water Company, and is derived from deep wells in the chalk situated in Crescent Road and Runley Wood. Chlorination of the supply is carried out, the average amount of chlorine pumped into the supply being .3 parts per million.

From information received from the Luton Water Company, the total amount of water supplied during the year ended 31st December, 1942, wasgallons. Assuming a population of..... the total number of gallons used per head per day was approximately 49, an average of 22 gallons per head per day for industrial purposes, and 27 gallons per head per day for domestic use.

There were no new extensions of water mains in the Borough during the year.

In the new portion of the Borough, which was incorporated in April, 1933, there are still thirty houses which obtain their supply from driven tube wells.

Samples of water are taken regularly from the town mains at various points within the Borough and from other sources of supply for chemical and bacteriological examination.

The following is a summary of the samples of water taken during the year from all sources. Details of samples which were adversely reported upon are given below.

Number of samples of water examined by the Public Analyst ...	1
Number of samples of water examined by the Local Authority ...	218
Total	219

Number of samples of water obtained from :—

Crescent Road Pumping Station	103
Runley Wood Pumping Station	107
Domestic Supplies (Town Mains)	3
Shallow and Deep Wells, etc.	—
Other sources	6
	219

Number of samples found upon examination to be satisfactory 213

Number of samples found upon examination to be unsatisfactory—

Presence of Bacillus Coli	2
Other reasons	4
	6
	219

1(C). DRAINAGE AND SEWERAGE.

The drainage of the old part of the Borough is semi-separate in character, the whole of the soil water sewage being dealt with by filtration. The major part of the effluent is discharged to the River Lea at a point where the river leaves the Borough, whilst the effluent from the New Mill End Sewage Purification Works is discharged to the River Lea at New Mill End.

2. CLOSET ACCOMMODATION.

The following table shows the number of pail closets, earth closets and cesspools in the Borough at the end of December, 1942 :—

Pail closets	32
Earth closets	0
Cesspools	159

During the year four cesspools were abolished.

All pail closets are emptied either once or twice weekly between the hours of 10 p.m. and 6 a.m.

Cesspools are emptied by means of mechanical plant as and when required.

3. PUBLIC CLEANSING—REFUSE DISPOSAL.

The system of refuse disposal is wholly controlled tipping.

From figures supplied by the Director of Public Cleansing, the weight of house and trade refuse disposed of during the year was 16,756 tons 11 cwts.

4. SANITARY INSPECTION OF THE AREA.

4(A). NUMBER AND NATURE OF INSPECTIONS MADE.

Complaints reported to Public Health Department	...	...	649
Inspection of Premises where nuisances were found	...	...	944
" " " no nuisances were found	...	...	160
" " " fish curing is conducted	...	...	—
" " " offensive trades are conducted (excluding Fish Fryers)	...	...	2
" Fish Frying Premises	...	...	12
" Cooked Food Premises	...	...	36
" Common Lodging Houses	...	...	1
" Schools	...	...	—
" Slaughterhouses	...	...	1,735
" Dairies, Milkshops and Ice Cream Shops	...	...	134
" Cowsheds	...	...	11
" Bakehouses	...	...	24
" Markets and Shops	...	...	7
" Cattle Market	...	...	14
" Van Dwellings	...	...	14
" Public and Private Urinals	...	...	2
" Cafes and Dining Rooms	...	...	3
" Theatres, Cinemas, etc.	...	...	1
Inspections under Pharmacy and Medicines Act	...	...	1
Inspections under Shops Act, 1934 (Section 10)	...	...	1
Inspection of Premises where Outwork is carried on	...	...	6
Employers interviewed re lists of Outworkers	...	...	—
Visits to property under notice or work in progress	...	...	2,225
Inspection of Premises under Housing Act, 1936	...	...	1
" Premises in connection with Overcrowding Survey	...	...	9
" Rent Books re Permitted Number of Persons	...	...	8
Interviews	...	...	773
Visits re Stripping and Cleansing Notices (F.H.A. 1936)	...	...	1
Sections of New Drains tested	...	...	22
" New Drains tested and found satisfactory	...	...	22
" Old Drains tested	...	...	28
" Old Drains tested and found satisfactory	...	...	6
Smoke observations taken	...	...	2
Inspection of Military Billets	...	...	561
Number of visits under Food and Drugs Act	...	...	455
" Water Supplies taken for analysis	...	...	219
" visits to Marine Stores	...	...	—

Number of visits under Rag Flock Act	...	...	...	...	—
„ samples taken under Rag Flock Act	...	...	...	...	—
<i>Summary of Visits—</i>					
Factories	...	...	...	...	133
Factories (no Mechanical Power)	...	...	...	...	11
Workplaces	...	...	...	...	2,152
Dwellinghouses	...	...	...	...	3,939
Miscellaneous	...	...	...	...	3,958
Total	...	...	...	...	10,193

4(B). ABATEMENT OF NUISANCES.

Premises where no nuisance found	...	...	...	...	109
Nuisances from Choked Soil Water Drains	...	...	...	...	181
„ Choked Surface Water Drains	...	...	...	...	7
„ Soil Water Drains requiring reconstruction	...	...	...	...	22
„ Surface Water Drains requiring reconstruction	...	...	...	...	—
„ Insufficient Drainage—Soil Water	...	...	...	...	—
„ Insufficient Drainage—Surface Water	...	...	...	...	—
„ Defective Soil Pipes	...	...	...	...	1
„ Defective Ventilation Shafts and Fresh Air Inlets	...	...	...	...	3
„ Defective Inspection Chambers or Covers	...	...	...	...	15
„ Rainwater pipes requiring disconnecting	...	...	...	...	4
„ Damp walls due to external defects	...	...	...	...	27
„ Damp walls due to absence of effective damp proof course	...	...	...	...	35
„ Closets converted to water carriage system	...	...	...	...	1
„ Insufficient closet accommodation (including defective pans, traps, etc.)	...	...	...	...	55
„ Defective water closet cisterns, flush pipes, etc.	...	...	...	...	163
„ Defective waste pipes (sink, bath and lavatory)	...	...	...	...	31
„ Waste pipes requiring trapping	...	...	...	...	3
„ Absence of sinks and sink waste drainage	...	...	...	...	—
„ Defective sinks	...	...	...	...	6
„ Defective sink waste channels	...	...	...	...	18
„ Defective eavesgutters and rainwater pipes	...	...	...	...	47
„ Defective or choked cesspools	...	...	...	...	3
„ Defective or choked street gullies	...	...	...	...	6
„ Defective house gullies	...	...	...	...	4
„ Stagnant Water	...	...	...	...	1
„ Offensive Accumulations	...	...	...	...	10
„ Keeping of Animals, Poultry, etc.	...	...	...	...	8
„ Infestation by Rats	...	...	...	...	16
„ Verminous Rooms	...	...	...	...	233
„ Overcrowding	...	...	...	...	2
„ Insufficient or Defective Water Supply	...	...	...	...	39
„ Defective Dustbins	...	...	...	...	130
„ Absence of Dustbins	...	...	...	...	11
„ Defective Yard Paving	...	...	...	...	10

Nuisances from Rooms requiring cleansing	...	...	...	81
„ Defective Chimney Flues, etc.	...	...	...	14
„ Defective Fireplaces	...	...	...	58
„ Defective Coppers	...	...	...	15
„ Defective Ventilation	...	...	...	9
„ Defective Window Frames or Doors	...	...	...	111
„ Defective Roofs	...	...	...	101
„ Defective Brickwork or Pointing	...	...	...	62
„ Defective Floors	...	...	...	50
„ Defective Plaster	...	...	...	162
„ Defective Staircases	...	...	...	10
„ Defective Gas Services or Fittings	...	...	...	24
„ Van Dwellings on Unauthorised Sites	...	...	...	14
Absence of Food Storage Accommodation	...	...	...	1
New water closets erected	...	...	...	2
Absence of Owner's Name and Address or Permitted Number from Rent Book	...	...	...	8
Miscellaneous	...	...	...	38
				1,961

4(C). STATUTORY NOTICES.

NUMBER OF LEGAL NOTICES ISSUED FOR ABATEMENT OR
ABOLITION OF NUISANCES.

	<i>Served</i>	<i>Complied with</i>
Number of Outstanding Notices, 31st Dec., 1941	14	14
Public Health Act, 1936. Section 39	3	3
Public Health Act, 1936. Section 45	2	2
Public Health Act, 1936. Section 93	2	2
Luton Corporation Act, 1911. Section 36	8	7
	29	28

5(A). INFECTIOUS DISEASES.

Premises inspected where notifiable diseases have occurred	...	155
Cases removed to Isolation Hospital	...	114
Rooms disinfected after infectious, contagious or other disease, etc.	...	296
Rooms stripped and cleansed after infectious disease	...	1
Rooms where walls and ceilings were rubbed down after infectious disease	...	154
Visits paid to ascertain if cleansing notices had been complied with	...	1
Rooms disinfected by occupiers	...	128
Premises visited tracing infectious diseases	...	21
Articles disinfected by steam at request of owners	...	2,559
Articles disinfected by fumigants at request of owners	...	44
Articles destroyed by burning at request of owner	...	49
Total visits paid to infected premises	...	478

5(B). ARTICLES DISINFECTED IN CONNECTION WITH
H.M. FORCES AND EVACUATION.

		<i>H.M. Forces</i>	<i>Evacuation</i>	<i>Total</i>
Beds	...	11	45	56
Blankets		4,612	4,509	9,121
Articles of clothing	...	299	428	727
Other articles	...	214	128	342
		5,136	5,110	10,246

5(C). DISINFECTANT.

During the year, 40 gallons of disinfecting fluid were supplied to the public, free of charge, for use in premises where cases of infectious disease, etc., had occurred.

5(D). LIBRARY BOOKS.

During the year, 408 library books were withdrawn from circulation and were disinfected before they were returned.

6. PUBLIC SWIMMING BATHS.

There are two Public Swimming Baths in the Borough, both owned by the Corporation.

The Public Baths are situate in Waller Street, Luton, and consist of a covered Swimming Bath, 46 Slipper Baths, and 1 Vapour Bath, whilst the Open Air Swimming Pool, situate off New Bedford Road, Luton, caters for Swimming and Bathing only.

During the season of 1942, the following number of bathers were dealt with :—

				<i>Waller Street Baths</i>	<i>Open Air Swimming Pool</i>
Civilians		...	...	130,480	75,000
Members of H.M. Forces	...	...	...	70,479	2,500
Total	...	...	...	200,959	77,500

Chloroscope examinations of the water are carried out by the Attendants approximately three times per day, and in addition, samples of water are sent to the Public Analyst for examination every two months.

7. ERADICATION OF BED BUGS

During the year ended 31st December, 1942, 52 complaints of verminous premises were received, and in 45 instances disinfection was carried out. Prior to disinfection, notices were served upon the owners of the premises to remove all paper hangings, skirtings, architraves, mouldings, etc., and the premises were re-inspected before these articles were reinstated.

The following table shows the number of premises and rooms dealt with during 1942 :—

	Number of Premises		Number of Rooms	
	Found to be infested	Disinfested	Found to be infested	Disinfested
Number of Council Houses	2	2	6	6
Number of other Houses	109	109	227	227
Number of cases where disinfection has been carried out prior to removal from Clearance Areas, etc. into new Council Houses	—	—	—	—
Number of cases where disinfection has been carried out by Corporation Disinfecting Officer	111	111	233	233
Number of cases where disinfection has been carried out by Occupants or Contractors	—	—	—	—
Number of complaints of infestation received (52)	45	45	90	90
Number of cases found by Sanitary Inspectors	66	66	143	143

8(A). THE FACTORIES ACT, 1937.

Since the Factories Act became operative, inspection of factories within the Borough has been maintained, and unsatisfactory conditions has been recorded and appropriate action taken by the Local Authority.

As a result of the inspection of Basement Bakehouses, the Local Authority resolved that they were not satisfied that the Bakehouses were suitable for use as such, and gave the owners a period of eighteen months in which to cease using these premises.

Owing to present conditions, the period of eighteen months has been extended. The position will again be reviewed in January, 1944.

8(B). NATURE OF DEFECTS FOUND IN FACTORIES, FACTORIES (NO MECHANICAL POWER), AND WORKPLACES.

Number of premises inspected	...	...	...	2,286
Number inspected and found satisfactory	...	...	...	2,258
Number inspected and found unsatisfactory	...	...	...	28

8(C). LIST OF DEFECTS FOUND IN FACTORIES, FACTORIES
(NO MECHANICAL POWER), AND WORKPLACES.

Unregistered factories	...	...	...	...	...	...	...	1
Factories without abstract	...	...	...	...	...	...	...	0
Defective drains	...	...	...	...	...	...	...	8
Absence of suitable sanitary conveniences	...	...	...	...	...	...	...	2
Unsuitable or defective sanitary accommodation	...	...	...	...	...	...	...	8
Absence of suitable washing facilities	...	...	...	...	...	...	...	1
Unsatisfactory heating arrangements in workroom	...	...	...	...	...	...	...	0
Absence of thermometer in workroom	...	...	...	...	...	...	...	0
Dirty condition of walls and ceilings	...	...	...	...	...	...	...	9
Unsuitable ashes accommodation	...	...	...	...	...	...	...	4
Offensive accumulations	...	...	...	...	...	...	...	4
Burning trade refuse	...	...	...	...	...	...	...	0
Emissions of smoke	...	...	...	...	...	...	...	0
Infestation by rats	...	...	...	...	...	...	...	2
Verminous rooms	...	...	...	...	...	...	...	4
Overcrowding	...	...	...	...	...	...	...	0
Unsatisfactory ventilation	...	...	...	...	...	...	...	4
Defective floors	...	...	...	...	...	...	...	4
Defective roofs	...	...	...	...	...	...	...	1
								—
								52
								—

8(D). REGISTERED FACTORIES AND FACTORIES (NO
MECHANICAL POWER).
FACTORIES' ACT, 1937.

The following is a classified list of the Factories and Factories (No Mechanical Power) on the Register at the 31st December, 1942.

FACTORIES.

Hat Manufacturers	...	...	...	...	...	...	...	200
Upholsterers	...	...	...	...	...	...	...	5
Motor Vehicle Engineers, Repairs and Cycle Repairs	...	...	...	...	...	...	...	28
Boot Repairers	...	...	...	...	...	...	...	33
Corn Merchants	...	...	...	...	...	...	...	2
Joiners, Woodworkers and Carpenters	...	...	...	...	...	...	...	27
Builders	...	...	...	...	...	...	...	5
General Engineers	...	...	...	...	...	...	...	31
Undertakers	...	...	...	...	...	...	...	2
Hat Blockmakers	...	...	...	...	...	...	...	18
Bleachers, Dyers and Felt Body Makers	...	...	...	...	...	...	...	16
Breeze Block Manufacturers	...	...	...	...	...	...	...	2
Cardboard Box Makers	...	...	...	...	...	...	...	15
Chocolate, Cocoa and Sweet Manufacturers	...	...	...	...	...	...	...	1
Printers and Letterpress Printers	...	...	...	...	...	...	...	19
Hat Lining Manufacturers	...	...	...	...	...	...	...	14
Sheet Metal Workers	...	...	...	...	...	...	...	3
Electrical Engineers	...	...	...	...	...	...	...	11

[illegible]

8(E). FACTORIES (NO MECHANICAL POWER).

Joiners	...	...	...	...	...	...	...	...	5
Weighing Machine Repairers and Scale Makers						...	...	...	2
Upholsterers	...	...	...	...	...	...	...	...	3
Painters and Plumbers	...	...	...	...	...	...	...	...	2
Tailors	...	...	...	...	...	...	...	...	7
Blacksmiths and Wheelwrights				...	...	...	...	...	6
Coach Builders and Repairers, Motor Vehicle and Cycle Repairers									5
Sheet Metal Workers	...	...	...	...	...	...	...	...	1
Watch, Clock, Jewellery and Typewriting Repairs						...	...	...	2
Hat and Millinery Manufacturers				...	...	...	...	...	2
Hat Blockmakers	...	...	...	...	...	...	...	...	1
Dress and Coat Makers and Alterations						...	...	...	4
Builders' Yards and Brickmakers				...	...	...	...	...	4
Boot Repairers	...	...	...	...	...	...	...	...	1
General Engineers	...	...	...	...	...	...	...	...	1
Sweet Manufacturers	...	...	...	...	...	...	...	...	1
French Polishers	...	...	...	...	...	...	...	...	1
Miscellaneous	...	...	...	...	...	...	...	...	9

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8(F). MATTERS REFERRED BY H.M. INSPECTOR OF
 FACTORIES.

Action taken in matters referred by H.M. Inspector of Factories as
 remediable under the Public Health Acts, but not under the Factory and
 Workshop Acts :—

Notified by H.M. Inspector	...	...	...	...	...	...	5
Reports (of action taken) sent to H.M. Inspector	...	...	...	...	...	...	5
Number of Defects remedied as a result of such action	...	...	...	...	...	...	5

8(G). OUTWORKERS RETURNS.

OUTWORKERS LISTS									
Section 110, Factories Act, 1937.									
Section 107, Factory and Workshop Act, 1901.									
Nature of Work	Lists received from Employers and other Authorities			Prosecutions			Outwork in un-wholesome premises, Sec. 111.		
	Sending once in the year		Sending twice in the year	Failing to keep and permit inspection of lists		Failing to send lists.	Instances	Notices served	Prosecutions
	Outworkers	Workmen		Outworkers	Workmen				
	Lists	Contractors	Workmen	Lists	Contractors	Workmen			
Making, &c. (1) Wearing Apparel (2) Brushes	0	0	0	18	4	254	0	0	0
				2		2			
Totals	0	0	0	20	4	256	0	0	0
							Outwork in infected premises, Sec. 153. P.H.A. 1936.		
							Instances	Orders made Sec. 153. P.H.A. 1936	Prosecutions Sec. 153. P.H.A. 1936
							Local Authorities to whom lists of outworkers have been forwarded		
							Number of lists		
							Workmen		
							Contractors		
							Authorities from whom lists have been received		
							Number of lists		
							Workmen		
							Contractors		
							Hackney B.C. ... Stepney B.C. ... London ... Marylebone B.C. ...		
							6 24 2 1		
							14		
							38		
							—		
							6		
							32		
							4		

The homes of all outworkers are visited by the Sanitary Inspectors who deal with any nuisance or other irregularity

SECTION E.—INSPECTION AND SUPERVISION OF FOOD.

1(A). MILK SUPPLY : MILK AND DAIRIES ACTS AND ORDERS, ETC.

						<i>On Register Dec. 31st, 1941</i>	<i>On Register Dec. 31st, 1942</i>
Registered :—							
Cowkeepers	...	...	...	...	...	11	11
Wholesalers	...	...	...	...	...	13	12
Registered Purveyors for Sale of :—							
Tuberculin Tested Milk	...	...	...	...	...	—	—
Tuberculin Tested Milk (Certified)	...	...	...	...	...	5	3
Accredited	...	...	...	...	...	3	1
Pasteurised Milk	...	...	...	...	...	3	2
Ungraded Loose Milk	...	...	...	...	...	86	79
Prepacked Milk only	...	...	...	...	...	304	299

During the year 1942, one purveyor of milk was removed from the register owing to the unsatisfactory condition of the milk he supplied, whilst an application for registration was received by a person associated with the above purveyor was refused.

Milk (Special Designations) Order.

The following table shows the number of Licences granted during 1942 :—

Tuberculin Tested Milk (Certified)—							
Supplementary	...	...	...	...	...	...	1
Dealer's	...	...	...	...	...	...	2
							— 3
Accredited Milk—							
Supplementary	...	...	...	...	...	...	1
Dealer's	...	...	...	...	...	...	—
							— 1
Pasteurised	...	...	...	...	...	...	2
							— 2
							— 6
Number of Milk Vendors resident in Borough	...	...	...	...	...	...	347

1(B). BACTERIOLOGICAL EXAMINATION OF MILK.

During the year, 111 samples of milk were submitted for bacteriological examination and the following table shows the results of these examinations :—

	Samples reported to contain :—										
	Total number of samples submitted	B. Coli in tubes			%	Strep- to cocci	%	Pus cells	%	Dirt	%
		1	2	3							
Ordinary Milk ...	96	14	7	28	51.04	7	7.29	56	58.33	—	3.13
Pasteurised ...	12	—	—	—	—	—	—	8	66.67	—	—
Accredited ...	—	—	—	—	—	—	—	—	—	—	—
Tuberculin Tested (Certified)	2	1	—	—	50.0	—	—	1	50.0	—	—
Sterilised ...	1	—	—	—	—	—	—	—	—	—	—
Total ...	111	15	7	28	45.0	7	6.3	65	58.5	—	2.7

A number of unsatisfactory samples were taken from large bulk supplies and it was impossible to trace infection back to its source, but in 30 cases, the matter was taken up with the County Councils, Producers and Retailers concerned.

1(C). SUMMARY OF CHEMICAL ANALYSES OF MILK SAMPLES.

Period	No. of Samples Examined	AVERAGES	
		Fat %	Solids not Fat %
January	10	3.83	9.07
February	10	3.95	9.19
March	21	3.83	8.94
Quarter ended 31.3.42 ...	41	3.87	9.07
April	18	3.26	8.84
May	29	3.39	9.05
June	25	3.29	8.57
Quarter ended 30.6.42 ...	72	3.31	8.82
July	21	3.55	8.72
August	18	3.5	8.86
September	18	3.65	8.88
Quarter ended 30.9.42 ...	57	3.57	8.82
October	20	3.91	8.8
November	17	4.0	8.71
December	19	3.54	9.03
Quarter ended 31.12.42 ...	56	3.82	8.85
Year ended 31.12.42 ...	226	3.60	8.89

2. MARGARINE PREMISES

Number of premises wherein the business of a wholesale dealer in margarine is carried on :—

On Register at 31st December, 1942 17

3(A). INSPECTION OF MEAT AND OTHER FOODS

The amount of unsound food condemned and destroyed during the year comprised :—

<i>No. of Parcels</i>	<i>Article</i>	<i>Weight in lbs.</i>
3,750	Beef	197,415
143	Pork	2,878
189	Mutton	1,816
	Bacon and Ham	415
	Fruit—Fresh and Canned	5,362
	Vegetables—Fresh and Canned and Soups	2,747
	Fish—Fresh and Canned	2,070
681	Sausage and Sausage Meat	165
	Butter and Cheese	394
	Canned Milk	3,218
	Canned and Cooked Meat	5,484
	Oats	896
	Sundries	137
4,763		222,997

Total weight—99 tons 11 cwt. 0 qrs. 5 lbs.

The above table includes the weight of the entire carcasses and organs of 27 cattle, excluding cows, 130 cows, 11 calves, 17 sheep and lambs and 6 pigs.

In addition, the following articles which were not weighed were condemned :—

<i>No. of Parcels</i>	<i>Article</i>	<i>Number</i>
	Eggs	1090
	Fish Cakes	822
	Crumpets	480
14	Meat Pies	250
	Oranges	3574
	Saccharins (Packets)	132

3(B). INSPECTION OF SLAUGHTERHOUSES

The following table shows the number of carcasses inspected and condemned during the year :—

	Cattle exclud- ing Cows	Cows	Calves	Sheep and Lambs	Pigs	Total
Number killed	5,236	2,274	2,188	13,102	1,052	23,852
Number inspected	5,236	2,274	2,188	13,102	1,052	23,852
Percentage of number killed which were inspected ...	100%	100%	100%	100%	100%	100%
All diseases except Tuberculosis :						
Whole carcasses condemned	3	8	2	16	3	32
Carcasses of which some part or organ was condemned	820	684	14	425	94	2,037
Percentage of the number inspected affected with disease other than tuber- culosis	15.72%	30.43%	0.73%	3.37%	9.22%	8.67%
Tuberculosis only :						
Whole carcasses condemned	24	122	9	1	3	159
Carcasses of which some part or organ was condemned	866	1,005	5	—	89	1,965
Percentage of the number inspected affected with tuberculosis	17.0%	49.56%	0.64%	0.008%	8.75%	8.90%

3(C). SLAUGHTER OF ANIMALS ACT, 1933

Number of slaughtermen on Register at 31st Dec., 1941	...	...	76
„ „ added to Register during 1942	...	...	—
			76
„ „ deleted from Register during 1942	...	...	0
			—
„ „ on Register at 31st Dec., 1942	...	...	76
			—
Number of applications for licences refused during 1942	...	...	0

4(A). SALE OF FOOD AND DRUGS ACTS

During the year, 362 samples were taken, 142 being formal and 220 informal samples.

<i>Formal</i>	<i>Informal</i>	<i>Nature of Sample</i>
1	3	Butter
—	24	Cooked meats
—	3	Confectionery, sweets, etc.
—	4	Cheese
—	1	Dripping
—	14	Fish—canned and fish and meat paste
5	29	Food substitutes
—	12	Fruit—fresh and preserved
2	17	Groceries—miscellaneous
—	11	Gelatine
—	1	Ice cream
14	3	Jam, honey, marmalade, etc.
—	4	Lard
—	3	Margarine
—	19	Milk—canned and dried
118	—	Milk
—	29	Patent medicines and chemical substances
—	20	Temperance drinks and non-alcoholic wines
—	10	Sausages and sausage meat
2	13	Wines, spirits and beers
142	220	
362		

4(B). Of the samples analysed, 31 were reported to be not genuine, details of which, and the action taken in regard thereto, are as follows :

Sample No.	In-formal	Formal	Article	Adulteration or other irregularity	Action taken
5962	1	—	Vita Lem	Did not contain natural acid of lemons or Vitamin C as claimed.	No action taken.
5979	1	—	Lemdelec	Did not contain Vitamin C as claimed.	No action taken.
5984	—	1	Vita Lem (Sussex)	Did not contain natural acid of lemons or Vitamin C as claimed.	No action taken.
5985	1	—	Vita Lem (Sussex)	Did not contain natural acid of lemons or Vitamin C as claimed.	No action taken.
6021	1	—	Common Cake	Contained excess of ammonia.	A sample of Voll, a commodity used in preparation of the cake, was submitted to the analyst with this sample, and found to be genuine.
6033	—	1	Raspberry Jam	Contained excess of preservative.	Proceedings withdrawn on proof of warranty.

Sample No.	In-formal	Formal	Article	Adulteration or other irregularity	Action taken
5996	—	1	Lemdelec	Did not contain Vitamin C as claimed.	No action taken.
6068	—	1	Milk	Milk fat abstracted 14.6%	Producer warned.
6075	—	1	Milk	Milk fat abstracted 2.6%	No action taken as average fat content of day's yield was 3.214%
6094	—	1	Milk	Milk fat abstracted 4.0%	No action taken as average fat content of day's yield was 3.49%
6099	—	1	Milk	Milk fat abstracted 3.3%	No action taken as average fat content of day's yield was 3.6%
6104	1	—	Ginger Beer	Contained 0.0206% Sulphur Dioxide.	Formal sample unobtainable.
6110	1	—	Ginger Beer	Contained 0.0233% Sulphur Dioxide.	Formal sample unobtainable.
6111	1	—	Orange Flavour Cordial	Not a Cordial.	Description of article altered before formal sample could be taken.
6113	1	—	Lemon Flavour Cordial	Not a Cordial.	Description of article altered before formal sample could be taken.
6121	—	1	Milk	Milk fat abstracted 6.6%	Producer warned. Milk as given by the cow.
6125	—	1	Milk	Added water 8.8%	Producer prosecuted and fined 20s. and 13s. 6d. costs.
6126	—	1	Milk	Added water 4.4%	Producer prosecuted and case dismissed on payment of costs 13s. 6d.
6127	—	1	Milk	Added water 13.5%	Producer prosecuted and fined 20s. and 13s. 6d. costs.
6128	—	1	Milk	Added water 7.1%	Producer prosecuted and fined 20s. and 13s. 6d. costs.
6132	—	1	Milk	Milk fat abstracted 18.3%	Producer prosecuted and fined 20s. and 13s. 6d. costs.
6171	1	—	Gelatine	Contained arsenic 0.28 grains per lb.	Further sample to be taken.
6177	—	1	Milk	Milk fat abstracted 6.6%	Producer warned. Milk as given by the cow.
6178	—	1	Milk	Milk fat abstracted 16.6%	Producer warned. Milk as given by the cow.
6271	—	1	Milk	Added water 3.5%	Producer warned.
6293	1	—	Powdered Gelatine	Contained arsenic 0.02 grains per lb.	No action taken.
6295	1	—	Powdered Gelatine	Contained arsenic 0.014 grains per lb.	
6296	1	—	Powdered Gelatine	Contained arsenic 0.035 grains per lb.	
6297	1	—	Sugarine	Sweetening material containing no sugar.	
6299	1	—	Gin	41.57 degrees under proof	Wrongly described by vendor. No action taken.
6310	—	1	Whiskey	36.64 degrees under proof	Formal sample unobtainable. Vendor warned.



