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BOROUGH



OF LUTON

ANNUAL REPORT

of the

Medical Officer of Health

and the

Chief Sanitary Inspector

FOR THE YEAR 1941

FRED GRUNDY, M.D., M.R.C.S., D.P.H.,
Medical Officer of Health.

ARTHUR J. NICHOLS, M.R.S.I., M.S.I.A.,
Chief Sanitary Inspector.



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BOROUGH OF LUTON



Public Health Department,
Town Hall,
LUTON.

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

Ladies and Gentlemen,

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

The report is restricted to bare statistical statements in accordance with wartime policy. Pressure of work in some sections of the department has held up the preparation of the report and accounts for the delayed publication. A good deal of the department's energy was absorbed in overcoming staffing difficulties and inadequacies of clinic and in-patient accommodation.

Apart from the relatively high incidence of measles, whooping cough and cerebro-spinal fever, which the Borough shared with the country as a whole, the incidence of notifiable infectious disease remained low.

The following matters, referred to in the body of the report, are noteworthy :

- (1) The birth rate was the lowest recorded in the Borough since 1933 (see page 4).
- (2) The Whitehouse Sick Bay was opened on the 1st April and was occupied to capacity up to the end of the year (see page 9).
- (3) The Hostel for Expectant Mothers at 48, Napier Road received evacuees awaiting confinement throughout the year (see page 13).
- (4) 7,838 children were immunised against diphtheria (see page 21).

I have the honour to be,

Your obedient Servant,

F. GRUNDY.

ARRANGEMENT OF REPORT.

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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 1941	103,990
Number of inhabited houses, 1941	28,851
Rateable value	£850,793 (unreduced)
	£748,415 (reduced)
Sum represented by Penny Rate	£3,005

2. EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1941.

		<i>Total.</i>	<i>Males.</i>	<i>Females.</i>
Live births	Legitimate	1360	728	632
	Illegitimate	80	37	43
Birth Rate per 1,000 of estimated resident population				13.84

		<i>Total.</i>	<i>Males.</i>	<i>Females.</i>
Stillbirths	Legitimate	47	29	18
	Illegitimate	—	—	—
Rate per 1,000 total (live and still) births				31.60

		<i>Total.</i>	<i>Males.</i>	<i>Females.</i>
Deaths		1036	536	500
Death rate per 1,000 estimated resident population				9.96

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		2	1.29
Total		2	1.29

Death Rates of Infants under 1 year of age :—

All Infants per 1,000 live births	49.49
Legitimate per 1,000 legitimate births	48.83
Illegitimate per 1,000 illegitimate births	60.97

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY,
MATERNAL DEATH RATES AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES IN THE YEAR 1941.

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

	LUTON.	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	13.84	14.2†	14.7	16.4	8.9
Still	0.45	0.51†	0.58	0.60	0.33
Deaths :					
All causes	9.96	12.9†	14.9	13.0	16.3
Typhoid and Paratyphoid	—	0.00	0.00	0.00	0.01
Scarlet Fever	0.00	0.00	0.00	0.01	0.00
Whooping Cough	0.07	0.06	0.07	0.06	0.04
Diphtheria	0.04	0.07	0.08	0.06	0.03
Influenza	0.09	0.19	0.17	0.20	0.15
Smallpox	—	—	—	—	—
Measles	0.01	0.03	0.03	0.03	0.02
Rates per 1,000 Live Births :					
Deaths under 1 year of age	49	59	71	56	68
Deaths from Diarrhoea and Enteritis under 2 years of age	1.3	5.1	7.5	4.6	6.8
* Rates per 1,000 civilian population.					
Notifications :					
Typhoid Fever	0.00	0.03	0.02	0.03	0.04
Paratyphoid Fever	—	0.09	0.12	0.09	0.05
Cerebro Spinal Fever	0.40	0.25	0.31	0.20	0.30
Scarlet Fever	2.91	1.47	1.49	1.51	1.01
Whooping Cough	4.81	4.39	4.37	4.50	3.50
Diphtheria	0.53	1.25	1.53	1.19	0.93
Erysipelas	0.30	0.30	0.36	0.27	0.50
Smallpox	—	—	—	—	—
Measles	10.37	10.33	8.27	10.47	4.77
Pneumonia	1.11	1.25	1.53	1.04	1.07
Rates per 1,000 Total Births (Live and Still).					
Maternal Mortality (ex. Abortion) :					
* Puerperal Infection (No. 147)	—	0.48	} Not available		
Others	1.29	1.75			
Total	1.29	2.23			
Notifications :					
Puerperal Fever	} 29.83	11.91	15.64	9.43	} 2.29
Puerperal Pyrexia					
					19.3‡

* 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	...	...	...	...	...	...	8,888
Public Health Department	...	...	...	...	...	...	3,810
Other Local Authorities	...	...	...	...	...	...	604
Beds. County Council	...	...	...	...	...	...	102
Dunstable Borough	...	...	...	...	...	...	244
Leighton Buzzard U.D.C.	...	...	...	...	...	...	49
Luton R.D.C.	...	...	...	...	...	...	40
Isolation Hospital, Dunstable	...	...	...	...	...	...	169
Luton and Dunstable Hospital (with the assistance of an E.M.S. Assistant Pathologist)	...	...	...	...	...	...	3,213
Luton Children's Hospital	...	...	...	...	...	...	656
Beds. National Health Insurance Committee	...	...	...	...	...	...	126
Pathologist's private practice	...	...	...	...	...	...	479
Bacteriological examinations	...	...	...	...	...	...	5,792
Diphtheria	...	...	...	...	...	...	3,141
Biological	...	...	...	...	...	...	75
Complement fixation tests (not performed in this laboratory)	...	...	...	...	...	...	219
Other examinations	...	...	...	...	...	...	2,357
Biochemistry	...	...	...	...	...	...	867
Blood examinations	...	...	...	...	...	...	395
Urine examinations	...	...	...	...	...	...	267
Miscellaneous examinations	...	...	...	...	...	...	205
Sanitary Investigations	...	...	...	...	...	...	396
Water examinations	...	...	...	...	...	...	235
Milk examinations	...	...	...	...	...	...	155
Miscellaneous examinations	...	...	...	...	...	...	6
Haematology	...	...	...	...	...	...	1,348
Histology	...	...	...	...	...	...	421
Post mortems	...	...	...	...	...	...	64

1 (B). PROFESSIONAL NURSING IN THE HOME.

No change.

1 (C). CLINICS AND TREATMENT CENTRES.

No change.

2 (A). NOTIFICATION OF BIRTHS.

1,974 births were notified during the year under the Public Health Act, 1936—Part VII—Sec. 203 :—

320 by Doctors and Parents.

1,654 by Midwives.

2 (B). REGISTRATION OF BIRTHS.

During the year 1941 the number of births registered in Luton was 1,947, whereas the number of live births notified under the Public Health Act, 1936, was 1,974.

TABLE I. 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
Total	2,752	763	212	1,231	4,958	2,321	2,380	1,927	6,628	11,586

2 (C). STILLBIRTHS.

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

TABLE II. STILLBIRTHS.

Cause.	B.M.H.	B.M.H. Ext.	L. & D.H.	St. Mary's.	Doctor.	Midwife	Nursing Home.
Prolapsed Cord ...	—	1	—	—	—	1	—
A.P.H. ...	5	1	—	—	—	—	—
Macerated Foetus	3	2	—	1	1	3	—
Malformed Foetus	6	1	—	—	3	—	—
Decapitation ...	1	—	—	—	—	—	—
Delayed Labour ...	3	4	—	—	—	—	—
Difficult Labour ...	1	1	—	—	—	2	2
Breech delivery ...	1	2	—	—	—	—	1
Prematurity ...	1	—	—	—	1	—	—
Toxaemia ...	1	1	—	—	2	1	—
Cause unknown	2	4	1	—	3	1	—
Total ...	24	17	1	1	10	8	3

3 (A). MATERNITY SERVICES.

TABLE III. NUMBER OF ATTENDANCES AT CLINICS DURING THE YEAR 1941.

1941	Dallow Road*		Maternity Hospital		Total	Post-Natal Clinic Total Attends	School for Mothers Total Attends
	First Attends	Subs. Attends	First Attends	Subs. Attends			
January ...	88	357	22	143	610	28	45
February ...	84	326	27	119	556	47	55
March ...	85	344	39	156	624	38	116
April ...	93	317	19	150	579	33	79
May ...	122	389	42	199	752	25	47
June ...	110	341	34	161	646	17	97
July ...	113	395	34	175	717	28	91
August ...	80	367	28	148	623	27	65
September ...	97	399	60	237	793	44	67
October ...	65	409	30	254	758	37	64
November ...	84	417	37	209	747	38	72
December ...	83	476	13	140	712	27	56
Total ...	1,104	4,537	385	2,091	8,117	389	854

* Includes attendances at Emergency Maternity Unit (Feb.-Oct.) and Beechwood Health Centre (Oct.-Dec.).

TABLE IV. ATTENDANCES AT ANTE-NATAL CLINICS, 1935—1941.

	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

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

TABLE V. NUMBER OF CONSULTATIONS, WEIGHINGS, ETC.
AT INFANT WELFARE CENTRES, DURING THE YEAR 1941.

	First Attendances		No. on Register at end of year	Consulta- tions	Infants weighed
	Under 1 year	1-5 years			
1937	1,259	519	3,137	8,133	32,009
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

3 (B). INSTITUTE OF RAY THERAPY.

35 cases were treated at the Institute on behalf of the Local Authority. In only 1 case was the parent unable to pay the fee asked, and the cost of the scheme to the Local Authority was £3 - 16 - 0.

3 (C). DENTAL CLINIC.

Adults—

No. of sessions	...	...	...	...	...	46
No. of gas sessions	...	...	...	...	...	43
No. of patients referred	...	...	...	...	...	276
No. of patients who attended	...	...	...	...	...	225
No. of attendances made	...	...	...	...	...	491
No. of cases in which dentures were required	...	...	...	...	...	45
No. of cases in which dentures were supplied	...	...	...	...	...	24
Cost of dentures	...	...	...	...	...	...
Amount recoverable from patients	...	...	...	...	...	...

Children—

No. of patients referred	...	...	...	...	...	113
No. of patients who attended	...	...	...	...	...	115
No. of attendances made	...	...	...	...	...	248

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

During the year 1941 the Inspectors were responsible for dealing with 32 cases on behalf of the Department, and the closest co-operation resulted without exception in a satisfactory issue.

3 (E). WHITE HOUSE SICK BAY—1.4.41—31.12.41.

Admissions	...	...	...	...	...	Total	...	201
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Status :

Accompanied Evacuees	...	...	31
Unaccompanied Evacuees	...	...	17
Local patients	...	...	153
			201

Conditions :

Scabies	...	...	...	126
Impetigo	...	...	...	26
Dermatitis	...	...	...	2
Urticaria	...	...	...	3
Enuresis	...	...	...	1
Debility	...	...	...	39
Problem child	...	...	...	1
Observation	...	...	...	1
Septic head	...	...	...	1
Blepharitis	...	...	...	1
				201

Discharges	...	...	...	...	...	Total	...	183
-------------------	-----	-----	-----	-----	-----	--------------	-----	------------

Status :

Accompanied Evacuees	...	...	29
Unaccompanied Evacuees	...	...	15
Local patients	...	...	139
			183

Conditions :

Scabies	...	...	...	115
Impetigo	...	...	...	21
Dermatitis	...	...	...	2
Urticaria	...	...	...	3
Enuresis	...	...	...	1
Debility	...	...	...	39
Problem child	...	...	...	1
Observation	...	...	...	1
				183

Remaining-in—31.12.41	...	...	...	...	...	Total	...	18
------------------------------	-----	-----	-----	-----	-----	--------------	-----	-----------

Status :

Accompanied Evacuees	...	...	2
Unaccompanied Evacuees	...	...	2
Local patients	...	...	14
			18

Conditions :

Scabies	...	...	...	11
Impetigo	...	...	...	5
Septic head	...	...	...	1
Blepharitis	...	...	...	1
				18

TABLE VI. 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			
1937 ...	1,544	3,203	475	8,628	227	126	651	555	15,409
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

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 ...	...	...	...	...	...	...	...	...	19
Number of children :									
(a) At the end of the year ...	...	...	...	...	...	...	...	...	21
(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 ...	...	...	...	...	...	...	...	...	131

5. MATERNAL DEATHS.

Two maternal deaths occurred during 1941 in the Borough of Luton. Each of these deaths was the subject of the usual confidential enquiry.

No death occurred in the Borough Maternity Hospital, none in the Public Assistance Institution, and one in other hospitals or private nursing homes.

TABLE VII. MATERNAL DEATHS, 1935-1941.

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

6. BOROUGH MATERNITY HOSPITAL.

Clinical Statistics.

	<i>Borough Maternity Hospital.</i>	<i>Extension</i>	<i>Total.</i>
No. of patients in hospital—1.1.41 ...	22	23	46
No. of patients admitted during the year	581	615	1,196
	603	638	1,242
No. of patients in hospital—31.12.41 ...	26	35	61
No. of patients died during the year ...	—	—	—
Admissions :			
(a) Confinement	523	544	1,067
(b) For ante-natal or post-natal treatment	58	71	129
	607	650	1,257
No. of patient-days :			
(a) Ante-natal or post-natal treatment	358	724	1,082
(b) Confinements	7,559	7,843	15,402
	7,917	8,567	16,484
(c) Extra babies	—	—	—
Average duration of stay of women delivered in hospital	17.82 days	14.26 days	—
Proportion of patients delivered by :			
(a) Midwives	410	523	933
(b) Doctors	96	27	123
Cases booked at ante-natal clinics :			
(a) Discharged well	494	498	992
(b) Transferred	2	8	10
(c) Died	—	—	—
(d) Discharged undelivered and remaining in hospital	64	102	166

	<i>Borough Maternity Hospital.</i>	<i>Extension.</i>	<i>Total.</i>
Cases admitted as emergencies :			
(a) Discharged well	43	7	50
(b) Transferred	—	—	—
(c) Died	—	—	—
(d) Discharged undelivered and remain- ing in hospital	12	—	12
Number of primiparae (all cases)— ...	269	287	556
Emergency cases :			
(a) Primiparae	21	5	26
(b) Multiparae	22	2	24
Operations performed :			
Caesarean Section	6	—	6
Forceps delivery	42	26	68
Caesarean Section and sterilisation ...	2	—	2
Hysterotomy and sterilisation	2	—	2
Decapitation	1	—	1
Perforation	1	—	1
Rupture of membranes for induction of labour	7	4	11
Post-partum haemorrhage	20	13	33
Perineal tear	68	43	111
Number of extraordinary calls on con- sultant staff :			
Mothers—Ante-natal	—	—	—
Intra-natal	9	—	9
Post-natal	—	—	—
Infants	—	—	—
No. of patients attended by members of practitioners panel	91	28	119
No. of attendances made by members of practitioners panel	94	29	123
No. of attendances made by members of practitioners panel in emergency cases	—	—	—
No. of borough cases	505	114	619
No. of county cases	76	52	128
Others	—	449	449
Daily average for the year	22.90	24.44	
Maximum number of patients on any one day	36	36	72
Forceps rate	8.30%	4.72%	6.43%
No. of deliveries	506	550	1,056
No. of viable children born	515	555	1,070
Left hospital alive and well	483	531	1,014
No. of stillbirths	20	18	38
No. of infantile deaths	12	6	18

	<i>Borough Maternity Hospital.</i>	<i>Extension.</i>	<i>Total.</i>
Causes of stillbirth :			
Hydrocephalus	3	—	3
Hydrocephalus breech	1	—	1
Forceps delivery	4	4	8
Anencephalus	3	1	4
Macerated foetus	2	4	6
Toxaemia	2	3	5
Transverse lie	1	—	1
Placenta praevia	1	—	1
Breech—macerated—prematurity	2	—	2
Placenta praevia and spina bifida	—	1	1
Breech presentation	—	3	3
Prematurity	—	1	1
Prolapsed cord	—	1	1
Other causes	1	—	1
Causes of infantile deaths :			
Spina bifida	1	—	1
Prematurity	4	4	8
Ante-partum haemorrhage	1	—	1
Foetal ascites	1	—	1
Hydramnios	1	—	1
Breech presentation	1	1	2
Broncho pneumonia	1	—	1
Malformation	1	—	1
Marasmus and prematurity	1	—	1
Spina bifida and hydrocephalus	—	1	1
Feeding :			
Breast fed alone	347	439	786
Breast fed supplemented by artificial food	53	30	83
Artificial food alone	94	49	143
School for mothers (total attendances)	854	—	—
Post-natal clinic (total attendances)	389	—	—

Training School : Midwifery—Part II.

No. of pupil midwives who passed the examination of the Central Midwives Board during the year	38
---	----

Hostel for Expectant Mothers—48, Napier Road.

No. of expectant mothers who were billeted at the Hostel during the year :						
1st admissions	...	...	...	...	...	97
Re-admissions	...	...	...	...	...	7
Total						104
No. of bed-days occupied	...	...	...	...	...	2,398

7. ADMINISTRATION OF THE MIDWIVES' ACTS.

Distribution of Midwives, 31st December, 1941.

(a) Private Practice	2
(b) Municipal Midwives	11
(c) In Private Nursing Homes	5
(d) Public Assistance Institution	9
(e) Borough Maternity Hospital	9
(f) Emergency Maternity Unit	6

NOTIFICATIONS.

During the year ended 31st December, 1941, the following notifications were received from midwives :—

TABLE VIII. 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	11	18	9	2	45
(b) Intention to cease prac- tise	—	—	3	—	—	3
(c) Change of address	—	—	—	—	—	—
(d) Change of name	—	—	—	—	—	—
(e) Sending for medical help	3	98	—	—	—	101
(f) Stillbirths occurring in practice	—	11	—	—	—	11
(g) Deaths *occurring in practice—						
(i) Mothers	—	—	—	—	—	—
(ii) Infants	2	2	—	—	—	4
(b) Laying out the dead	1	8	—	—	—	9
(i) Liability to be a source of infection	2	16	—	—	—	18
(j) Substitution of artificial feeding	—	8	—	—	—	8

Supervisor of Midwives.

Routine inspection visits	9
" " " (Midwife out)	—
Special enquiry visits in respect of notifications :	
(a) Medical help	96
(b) Stillbirths	20
(c) Deaths occurring in practice	—
(d) Ophthalmia Neonatorum	—
(e) Laying out the dead	—
(f) To supervise disinfection	11

Other visits :

Puerperal Pyrexia	...	...	...	...	...	11
Home helps	...	...	...	...	...	58
Nursing mothers	...	...	...	...	...	171
Labour visits	...	...	...	...	...	18
Deliveries with pupils	...	...	...	...	...	8
Nursing Homes	...	...	...	...	...	23
Administration of Gas and Air Anaesthetic	...	...	...	...	...	2
Ante-Natal and Post-Natal	...	...	...	...	...	82
Administration	...	...	...	...	...	614
Total	...	...	...	...	...	1,123
Ante-Natal Clinics attended	...	...	...	...	...	270

Puerperal Pyrexia

7 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 101 of the midwives' cases.

During this period 59 accounts amounting to £80 19s. 0d. were received from medical practitioners for services rendered in response to requests for medical help from midwives, and the sum of £64 16s. 9d. is recoverable from patients.

TABLE IX. NUMBER OF CASES ATTENDED BY MIDWIVES.

District Number	Acting as Midwife	Acting as Maternity Nurse	Total
1	61	18	79
2	14	9	23
3	41	8	49
4	41	9	50
5	40	15	55
6	23	12	35
7	43	13	56
8	33	14	47
9	35	7	42
10	67	10	77
Total	398	115	513

TABLE X. NUMBER OF VISITS PAID BY MIDWIVES.

District Number	Expectant Mothers	Nursing Mothers	Post-Natal	Total
1	1,012	2,062	20	3,094
2	202	497	—	699
3	433	955	—	1,388
4	792	1,344	—	2,136
5	819	1,345	3	2,167
6	138	626	—	764
7	629	1,214	1	1,844
8	147	678	2	827
9	138	922	—	1,060
10	714	1,285	—	1,999
Total	5,024	10,928	26	15,978

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

District Number	No. of Clinics	No. of First Attendances	Subsequent Attendances	Total
1	50	112	383	495
2	20	30	115	145
3	22	56	136	192
4	23	51	206	257
5	24	56	197	253
6	22	41	86	127
7	23	60	168	228
8	23	63	181	244
9	19	65	128	193
10	22	63	184	247
Total	248	597	1,784	2,381

TABLE XII. NUMBER OF PATIENTS ATTENDING CONSULTANT CLINICS.

District Number	No. of Clinics Attended	Attendances of Patients		Total
		Ante-Natal	Post-Natal	
1	31	125	21	146
2	10	15	—	15
3	18	55	5	60
4	20	61	6	67
5	20	56	9	65
6	5	10	—	10
7	26	80	18	98
8	10	34	7	41
9	13	41	3	44
10	29	81	8	89
Total	182	558	77	635

No. of cases in which medical aid was sought by Municipal Midwife	98
No. of emergency cases attended by Midwife	20
No. of live births	500
No. of stillbirths	14
No. of Maternal deaths	—

8. 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, 71 in the Haven Nursing Home, and 67 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) ...	3,374
(b)	Number of inspections made for the purpose ...	6,578
(2) (a)	Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Acts ...	0
(b)	Number of inspections made for the purpose ...	4
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	0
(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 ...	945

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 ...	861
--	---	-----

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 ...	47
(2)	Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a)	By Owners ...	49
(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	1
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	1

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	18
(ii) Number of families dwelling therein	21
(iii) Number of persons dwelling therein	173
(b) Number of new cases of overcrowding reported during the year	14
(c) (i) Number of cases of overcrowding relieved during the year	7
(ii) Number of persons concerned in such cases	66
(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	2
(ii) Number of families dwelling therein	3
(iii) Number of persons dwelling therein	21
(f) (i) Number of cases of overcrowding in Council Houses relieved during the year	0
(ii) Number of families concerned in such cases	0
(iii) Number of persons concerned in such cases	0

HOUSING ACT, 1936

OVERCROWDING

The following table shows the position in regard to overcrowding on 31st December, 1941 :

Number of existing cases of overcrowding, 31st December, 1941	18
Total number of cases reviewed during 1941	38
Number of cases reviewed and found to be overcrowded ...	4
Number of cases reviewed and found to be uncrowded	34
Number of cases of overcrowding found on review and abated during 1941	2

SECTION F.—PREVALENCE AND CONTROL OVER INFECTIOUS DISEASE.

TABLE XIII. SHOWS THE AGE DISTRIBUTION OF THE
NOTIFIED INFECTIOUS DISEASES, 1941.

Disease	AGE GROUPS												Total
	Under 1	1	2	3	4	5	10	15	20	35	45	65	
Typhoid Fever	—	—	—	—	—	—	—	1	—	—	—	—	1
Scarlet Fever ...	—	6	15	16	22	118	64	21	32	6	3	—	303
Whooping Cough	39	50	77	80	54	181	13	2	2	3	—	—	501
Diphtheria ...	—	1	5	8	6	24	7	5	—	—	—	—	56
Erysipelas ...	1	—	—	1	—	—	1	2	2	9	11	5	32
Measles ...	37	92	102	139	128	518	32	16	9	5	—	1	1,079
Pneumonia ...	1	12	3	—	1	8	3	2	23	16	28	19	116
Puerperal Pyrexia	—	—	—	—	—	—	—	2	41	3	—	—	46
Cerebro-Spinal Fever ...	2	1	2	1	1	4	2	8	14	4	3	—	42
Anterior Polio- Myelitis ...	—	—	—	—	1	1	—	—	—	—	—	—	2
Ophthalmia Neonatorum	3	—	—	—	—	—	—	—	—	—	—	—	3
Totals ...	83	162	204	245	213	854	122	59	123	46	45	25	2,181

1 (B). OPHTHALMIA NEONATORUM.

(a) Number of cases notified during the year ...	...	...	3
(b) Number of cases visited by officers of the Council ...	...	...	3
(c) Number of cases for whom home nursing was provided by the Council ...	...	...	—
(d) Number of cases removed to hospital ...	...	...	1
(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

TABLE XIV. 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	52	36	15	14	5	5	7	—	—	—	232	10	311	65
February	23	17	7	6	5	5	4	1	—	—	151	5	190	34
March	47	29	10	9	11	11	4	1	2	2	280	6	355	58
April	36	27	9	9	5	5	4	1	—	—	283	4	336	46
May	44	28	4	4	7	6	3	3	—	—	255	7	313	48
June	21	17	12	12	4	6	8	1	—	—	223	4	268	40
July	10	10	5	4	2	2	4	—	—	—	108	4	129	20
August	26	19	3	2	1	1	1	—	—	—	63	13	94	35
September	21	16	7	7	2	1	2	1	—	—	27	3	59	28
October	9	8	1	1	6	6	4	1	—	—	15	4	35	20
November	15	14	5	5	1	2	3	—	1	1	28	4	53	26
December	14	7	3	3	3	2	5	1	—	—	19	5	44	18
Totals	318	228	81	76	52	52	49	10	3	3	1,684	69	2,187	438

SPITTLESEA HOSPITAL—ANNUAL STATISTICS—1941.

	No. of Patients Admitted	No. of Patient- Days
January	65	1,118
February	34	757
March	58	1,066
April	46	868
May	48	833
June	40	747
July	20	503
August	35	712
September	28	580
October	20	440
November	26	358
December	18	360
Total	438	8,342

Available bed-days	25,185
Actual bed-days of patients	8,342
Percentage of bed occupation	33.12%
Maximum number of patients on any one day ...	41
Minimum number of patients on any one day ...	3
No. of patients in hospital, 31.12.1940	23
No. of patients admitted during the year	438
	— 461
No. of patients discharged well	438
No. of patients who died	12
No. of patients remaining in hospital, 31.12.1941 ...	11
	— 461

TABLE XV. DEATHS REGISTERED DURING THE CALENDAR YEAR, 1941, CLASSIFIED ACCORDING TO SEX AND CAUSE.

Causes of Death				All Ages		Under 1 year	
All causes	{ Certified	...	...	1,014 21		37	35
	{ Uncertified	...	...			1	1
				M.	F.	Under 1 month	1 mth. and under 1 yr.
Typhoid and Paratyphoid Fevers	...			—	—	—	—
Cerebro-Spinal Fever	...	...	...	5	2	—	1
Scarlet Fever	...	...	...	1	—	—	—
Whooping Cough	...	...	...	5	3	—	3
Diphtheria	...	...	...	—	5	—	—
Tuberculosis of Respiratory System...	...			47	19	—	—
Other Forms of Tuberculosis	...			6	8	—	1
Syphilitic Diseases	...	...	...	3	2	—	—
Influenza	...	...	...	4	6	—	—
Measles	...	...	...	—	2	—	1
Acute Polio-Myelitis and Encephalitis	...			—	—	—	—
Acute Infantile Encephalitis	...			—	—	—	—
Cancer of Buc. Cav. and Oesoph.	...			5	—	—	—
Cancer of Uterus	...	...	...	—	13	—	—
Cancer of Stomach and Duodenum	...			10	14	—	—
Cancer of Breast	...	...	...	—	18	—	—
Cancer of all other sites	...	...	...	47	32	—	—
Diabetes	...	...	...	3	9	—	—
Intra-Cranial Vascular Lesions	...			34	54	2	—
Heart Disease	...	...	...	91	96	—	2
Other Circulatory Diseases	...	...	...	8	6	—	—
Bronchitis	...	...	...	47	24	1	1
Pneumonia	...	...	...	37	29	3	10
Other Respiratory Diseases	...	...	...	12	6	—	1
Ulcer of Stomach or Duodenum	...			11	1	—	—
Diarrhoea under 2 years of age	...			1	1	—	1
Appendicitis	...	...	...	2	2	—	—
Other Digestive Diseases	...	...	...	19	19	—	2
Nephritis	...	...	...	12	8	—	—
Puerperal and Post-Abortive Sepsis	...			—	—	—	—
Other Maternal Causes	...	...	...	—	2	—	—
Premature Birth	...	...	...	10	6	15	1
Congenital Malformation, Birth In- jury, Infantile Diseases	...	...	...	16	9	16	9
Suicide	...	...	...	4	4	—	—
Road Traffic Accidents	...	...	...	8	7	—	—
Other Violent Causes	...	...	...	10	16	1	—
All other causes	...	...	...	78	77	—	3
				535	500	38	36
				1,035		74	

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.—Complete records of hours of sunshine throughout the year were not kept. Records were kept from April to December inclusive, when a total of 1,120.4 hours of sunshine was recorded. The sunniest day was the 17th June, 1941, when 14.3 hours were recorded.

Rainfall.—The total rainfall during the year amounted to 32.77 inches, the wettest day being the 9th June, 1941, when .93 inch of rain was recorded.

Temperatures.—The maximum temperature during the year was 88° F., recorded on the 22nd June, 1941, whilst the minimum temperature was 12° F., on the 5th February, 1941, the mean temperature being 48.135° 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 .35 parts per million.

From information received from the Luton Water Company, the total amount of water supplied during the year ended 31st December, 1941, wasgallons. Assuming a population of....., the total number of gallons used per head per day was approximately 41, an average of 11.5 gallons per head per day for industrial purposes, and 29.5 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	...	10
Number of samples of water examined by the Local Authority	...	219
Total	... ..	<u>229</u>

Number of samples of water obtained from :—

Crescent Road Pumping Station	...	...	100
Runley Wood Pumping Station	...	...	99
Domestic Supplies (Town Mains)	...	...	2
Shallow and Deep Wells, etc.	...	...	9
Other sources	...	...	19
			<u>229</u>

Number of samples found upon examination to be satisfactory	...	...	...	204
Number of samples found upon examination to be unsatisfactory—				
Presence of <i>Bacillus Coli</i>	...	...	21	
Other reasons	...	...	4	
			<u>25</u>	
				<u>229</u>

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, 1941 :—

Pail closets	...	...	...	83
Earth closets	...	...	...	2
Cesspools	...	...	...	188

During the year five 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 17,797 tons.

4. SANITARY INSPECTION OF THE AREA.

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

Complaints reported to Public Health Department	...	...	622
Inspection of Premises where nuisances were found	...	...	1076
" " no nuisances were found	...	...	185
" " fish curing is conducted	...	...	—
" " offensive trades are conducted (excluding Fish Fryers)	...	...	16
" " offensive trades are conducted (Fish Fryers)	...	...	4
" Cooked Food Premises	...	...	44
" Common Lodging Houses	...	...	5
" Schools	...	...	5
" Slaughterhouses	...	...	1822
" Dairies, Milkshops and Ice Cream Shops	...	...	279
" Cowsheds	...	...	11
" Bakehouses	...	...	33
" Markets and Shops	...	...	201
" Cattle Market	...	...	37
" Van Dwellings	...	...	122
" Public and Private Urinals	...	...	2
Inspection of Cafes and Dining Rooms	...	...	21
" Theatres, Cinemas, etc.	...	...	2
Inspections under Merchandise Marks Act and Orders	...	...	—
Inspections under Shops Act, 1934 (Section 10)	...	...	2
Inspection of Premises where Outwork is carried on	...	...	6
Employers interviewed re lists of Outworkers	...	...	—
Visits to property under notice or work in progress	...	...	3554
Inspection of Premises under Housing Act, 1936	...	...	4
" Premises in connection with Overcrowding Survey	...	...	49
" Rent Books re Permitted Number of Persons	...	...	460
Interviews	...	...	936
Visits re Stripping and Cleansing Notices (P.H.A. 1936)	...	...	—
Sections of New Drains tested	.....	.....	8
" New Drains tested and found satisfactory	.....	.....	8
" Old Drains tested	.....	.....	57
" Old Drains tested and found satisfactory	.....	.....	40
Smoke observations taken	.....	.....	1
Inspection of Military Billets	.....	.....	1659
Number of visits under Food and Drugs Act	.....	.....	362
" Water Samples taken for analysis	.....	.....	229
" visits to Marine Stores	.....	.....	—
" visits under Rag Flock Act	.....	.....	—
Number of samples taken under Rag Flock Act	.....	.....	—

Summary of Visits—

Factories	183
Factories (No Mechanical Power)	5
Workplaces	2602
Dwellinghouses	7295
Miscellaneous	3879
Total	13964

* 4(B). ABATEMENT OF NUISANCES.

Premises where no nuisance found	185
Nuisances from Choked Soil Water Drains	210
" Choked Surface Water Drains	10
" Soil Water Drains requiring reconstruction	50
" Surface Water Drains requiring reconstruction	—
" Insufficient Drainage—Soil Water	3
" Insufficient Drainage—Surface Water	4
" Drains not efficiently trapped	1
" Defective Soil Pipes	—
" Defective Ventilation Shafts and Fresh Air Inlets	5
" Defective Inspection Chambers or Covers	26
" Rainwater pipes requiring disconnecting	2
" Damp walls due to external defects	70
" Damp walls due to absence of effective damp proof course	22
" Closets converted to water carriage system	—
" Insufficient closet accommodation (including defective pans, traps, etc.)	54
" Defective water closet cisterns, flush pipes, etc.	105
" Defective waste pipes (sink, bath and lavatory)	32
" Waste pipes requiring trapping	—
" Absence of sinks and sink waste drainage	—
" Defective sinks	2
" Defective sink waste channels	8
" Defective eavesgutters and rainwater pipes	66
" Defective or choked cesspools	11
" Defective or choked street gullies	24
" Defective house gullies	6
" Stagnant Water	—
" Offensive Accumulations	35
" Keeping of Animals, Poultry, etc.	4
" Infestation by Rats	12
" Verminous Rooms	169
" Overcrowding	6
" Insufficient or Defective Water Supply	23
" Defective Dustbins	204
" Absence of Dustbins	19
" Defective Yard Paving	21

Nuisances from Rooms requiring cleansing	206
" Water Closets requiring cleansing	7
" Defective Chimney Flues, etc.	26
" Defective Fireplaces.....	47
" Defective Coppers	15
" Defective Ventilation	31
" Defective Window Frames or Doors	98
" Defective Roofs	80
" Defective Brickwork or Pointing	68
" Defective Floors	59
" Defective Plaster	118
" Defective Staircases	2
" Defective Gas Services or Fittings	8
" Van Dwellings on Unauthorised Sites	16
Infestation by Ants, Crickets, Fleas, etc.	3
New water closets erected	1
Absence of Owner's Name and Address or Permitted Number from Rent Book	15
Miscellaneous	4
	2159

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., 1940	16	16
Public Health Act, 1936. Section 39	3	2
Public Health Act, 1936. Section 45	1	—
Public Health Act, 1936. Section 56	1	1
Public Health Act, 1936. Section 93	22	13
Luton Corporation Act, 1911. Section 36	20	17
	63	49

5(A). INFECTIOUS DISEASES

Premises inspected where notifiable diseases have occurred ...	454
Cases removed to Isolation Hospital	351
Rooms disinfected after infectious, contagious or other diseases, etc.	112
Rooms stripped and cleansed after infectious disease	0
Rooms where walls and ceilings were rubbed down after infectious disease	396
Visits paid to ascertain if cleansing notices had been complied with	0
Rooms disinfected by occupiers	369
Premises visited tracing infectious diseases	98
Articles disinfected by steam at request of owners	744
Articles disinfected by fumigants at request of owners	186
Articles destroyed by burning at request of owner	44
Total visits paid to infected premises	664

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

	<i>H.M. Forces</i>	<i>Evacuation</i>	<i>Total</i>
Beds	92	124	216
Blankets	1,549	533	2,082
Articles of clothing ...	2,003	595	2,598
Other articles	370	158	528
	4,014	1,410	5,424

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, 723 library books were withdrawn from circulation and were disinfected before they were returned.

5(E). CLEANSING OF INFECTED AND VERMINOUS PERSONS AND CLOTHING

During the year, 19 members of H.M. Forces and 1 civilian, who were in a verminous condition, were cleansed at the Council's temporary cleansing station, and their clothing and bedding disinfected by steam.

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 1941, the following number of bathers were dealt with :—

	<i>Waller Street Baths</i>	<i>Open Air Swimming Pool</i>
Civilians	121,064	83,191
Members of H.M. Forces ...	52,981	7,714
Total	174,045	90,905

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, 1941, 41 complaints of verminous premises were received, and in 22 instances disinfestation was carried out. Prior to disinfestation, 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 1941 :—

	Number of Premises		Number of Rooms	
	Found to be infested	Disinfested	Found to be infested	Disinfested
Number of Council Houses... ..	2	2	5	5
Number of other Houses	66	66	164	164
Number of cases where disinfestation has been carried out prior to removal from Clearance Areas, etc., into new Council Houses	—	—	—	—
Number of cases where disinfestation has been carried out by Corporation Disinfecting Officer	68	68	169	169
Number of cases where disinfestation has been carried out by Occupants or Contractors	—	—	—	—
Number of complaints of infestation received (41)	22	22	64	64
Number of cases found by Sanitary Inspectors	46	46	105	105

8(A). THE FACTORIES ACT, 1937

Since the Factories Act became operative, inspection of factories within the Borough has been maintained, and unsatisfactory conditions have 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, 1943.

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

Number of premises inspected	2,790
Number inspected and found satisfactory	2,659
Number inspected and found unsatisfactory	131

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

Unregistered factories	...	...	...	...	...	...	3
Factories without abstract	...	...	...	...	...	...	0
Defective drains	...	...	...	...	...	...	16
Absence of suitable sanitary conveniences	...	...	...	...	...	...	4
Unsuitable or defective sanitary accommodation	...	...	...	...	...	...	24
Absence of suitable washing facilities	...	...	...	...	...	...	1
Unsatisfactory heating arrangements in workroom	...	...	...	...	...	...	0
Absence of thermometer in workroom	...	...	...	...	...	...	0
Dirty condition of walls and ceilings	...	...	...	...	...	...	15
Unsuitable ashes accommodation	...	...	...	...	...	...	5
Offensive accumulations	...	...	...	...	...	...	11
Burning trade refuse	...	...	...	...	...	...	1
Emissions of smoke	...	...	...	...	...	...	0
Infestation by rats	...	...	...	...	...	...	2
Verminous rooms	...	...	...	...	...	...	2
Overcrowding	...	...	...	...	...	...	1
Unsatisfactory ventilation	...	...	...	...	...	...	2
Defective paving	...	...	...	...	...	...	2

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, 1941.

FACTORIES

Hat Manufacturers	...	...	...	...	...	...	228
Upholsterers	...	...	...	...	...	...	4
Motor Vehicle Engineers, Repairs and Cycle Repairs	...	...	...	...	...	...	32
Boot Repairers	...	...	...	...	...	...	34
Corn Merchants	...	...	...	...	...	...	2
Joiners, Woodworkers and Carpenters	...	...	...	...	...	...	30
Builders	...	...	...	...	...	...	5
General Engineers	...	...	...	...	...	...	26
Undertakers	...	...	...	...	...	...	2
Hat Blockmakers	...	...	...	...	...	...	20
Bleachers, Dyers and Felt Body Makers	...	...	...	...	...	...	18
Breeze Block Manufacturers	...	...	...	...	...	...	3
Cardboard Box Makers	...	...	...	...	...	...	14
Chocolate, Cocoa and Sweet Manufacturers	...	...	...	...	...	...	1
Printers and Letterpress Printers	...	...	...	...	...	...	19
Hat Lining Manufacturers	...	...	...	...	...	...	13
Sheet Metal Workers	...	...	...	...	...	...	2
Electrical Engineers	...	...	...	...	...	...	10
Acetylene Welders	...	...	...	...	...	...	1
Sausage Makers, Pie Makers, etc.	...	...	...	...	...	...	10

Electro-Platers	...	...	...	...	...	...	...	...	1
Iron Founders	...	...	...	...	...	...	...	...	9
Stone Masons	...	...	...	...	...	...	...	...	2
Tailors and Clothiers	...	...	...	...	...	...	...	...	12
Machine Makers	...	...	...	...	...	...	...	...	2
Hat Materials Merchants		...	...	...	...	...	...	...	2
Saw Mills	...	...	...	...	...	...	...	...	2
Laundries	...	...	...	...	...	...	...	...	6
Sewing Machine Engineers	...	...	...	...	...	...	...	...	2
Pattern Makers	...	...	...	...	...	...	...	...	2
Mineral Water Manufacturers and Brewers	...	...	...	...	...	...	...	...	5
Photographic Printers and Developers	...	...	...	...	...	...	...	...	1
Feather Dyeing and Mounting	...	...	...	...	...	...	...	...	4
Chemical Makers	...	...	...	...	...	...	...	...	3
Blacksmiths	...	...	...	...	...	...	...	...	3
Garment Makers and Menders and Corset Makers	...	...	...	...	...	...	...	...	7
Creameries and Dairies	...	...	...	...	...	...	...	...	3
Knitted Hood Makers and Proofer	...	...	...	...	...	...	...	...	2
Glass Workers	...	...	...	...	...	...	...	...	3
Brass and Aluminium Founders	...	...	...	...	...	...	...	...	3
Coach and Motor Body Builders	...	...	...	...	...	...	...	...	4
Miscellaneous	...	...	...	...	...	...	...	...	27

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

Joiners									5
Weighing Machine Repairers and Scale Makers									2
Upholsterers	.....	.....	.....	.....	.....	.....	.....	.....	3
Painters and Plumbers	.....	.....	.....	.....	.....	.....	.....	.....	1
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	.....	.....	.....	.....	.....	.....	.....	.....	3
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									8

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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	9
Reports (of action taken) sent to H.M. Inspector	9
Number of Defects remedied as a result of such action	9

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.						Notices served on occupiers as to keeping or sending lists.	Prosecutions.		Instances.	Notices served	Prosecutions.	Outwork in un-wholesome premises, Sec. 111.			Outwork in infected premises, Sec. 153. P.H.A. 1936.			Lists forwarded to other Authorities.				Lists received from other Authorities.					
	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.	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.				
	Outworkers.		Outworkers.																									
	Lists	Workmen	Lists	Workmen																								
Making, &c. (1) Wearing Apparel	0	0	0	32	16	327	0	0	0	0	0	0	Where cases have arisen work has been withheld by verbal arrangement. No separate Records kept.	Wing R.D.C., Luton R.D.C., Amptill R.D.C., Hitchin R.D.C., Dunstable B.C., Hemel Hempstead R.D.C., Harpenden U.D.C.	1	8	4	7	3	4	4	2	2	2	2	4	5	5
Totals	0	0	0	32	16	327	0	0	0	0	0	0										24	67	13	7	16		

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, 1940</i>	<i>On Register Dec. 31st, 1941</i>
Registered :—		
Cowkeepers	11	11
Wholesalers	13	13
Registered Purveyors for Sale of :—		
Tuberculin Tested Milk	1	—
Tuberculin Tested Milk (Certified)	9	5
Accredited	3	3
Pasteurised Milk	7	3
Ungraded Loose Milk	89	86
Prepacked Milk only	314	304

Applications for Registration were made and granted during the year 1941, as follows :—

Ungraded Loose Milk	1
Prepacked Milk only	15
	— 16

Milk (Special Designations) Order.

The following table shows the number of Licences granted during 1941 :—

Tuberculin Tested Milk (Certified)—	
Supplementary	1
Dealer's	4
	— 5
Accredited Milk—	
Supplementary	2
Dealer's	1
	— 3
Pasteurised	3
	— 3
	—11
Number of Milk Vendors resident in Borough	355
	<i>Artificial Cream</i>
Registered Purveyors of	2
	<i>Fresh Cream</i>
	4

1(B). BACTERIOLOGICAL EXAMINATION OF MILK

During the year, 153 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	%	Acid fast Organ- isms	%	
	1	2	3										
Ordinary Milk ...	96	1	5	37	44.79	—	17	17.71	1	1.034	—	—	
Pasteurised ...	34	—	—	—	—	—	21	61.76	2	5.88	—	—	
Accredited ...	7	—	—	—	—	—	—	—	—	—	—	—	
Tuberculin Tested (Certified)	16	2	2	2	37.5	—	3	18.75	—	—	—	—	
Total ...	153	3	7	39	32.0	—	41	26.8	3	2.0	—	—	

A number of unsatisfactory samples were taken from large bulk supplies and it was impossible to trace infection back to its source, but in 57 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	29	3.71	8.84
February	14	3.5	8.76
March	21	3.53	8.87
Quarter ended 31.3.41 ...	64	3.63	8.84
April	15	3.46	9.05
May	19	3.42	8.85
June	57	3.42	8.76
Quarter ended 30.6.41 ...	91	3.42	8.83
July	12	3.46	8.73
August	16	3.69	8.82
September	23	3.77	8.75
Quarter ended 30.9.41 ...	51	3.66	8.76
October	17	3.69	8.56
November	20	4.16	8.72
December	12	3.99	8.79
Quarter ended 31.12.41 ...	49	3.94	8.68
Year ended 31.12.41 ...	255	3.62	8.79

2. MARGARINE PREMISES

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

On Register at 31st December, 1941 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>
3,397	Beef	167,505
244	Pork	4,247
382	Mutton	3,705
	Bacon	300
	Fruit—Fresh and Canned ...	1,161
	Vegetables—Fresh and Canned ...	725
	Fish—Fresh and Canned ...	1,798
138	Bread	3,866
	Frozen Eggs	90
	Canned Milk	625
	Canned Meat	114
	Sundries	899
4,161		185,035

Also 1,524 Eggs and 6 gallons Fresh Milk ... —

Total weight—82 tons, 12 cwt. 0 qrs. 11 lbs.

The above table includes the weight of the entire carcasses and organs of 41 cattle, excluding cows, 103 cows, 19 calves, 58 sheep and lambs and 17 pigs.

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	4,394	2,086	3,341	19,492	1,759	31,072
Number inspected	4,394	2,086	3,335	19,492	1,759	31,066
Percentage of number killed which were inspected	100%	100%	99.82%	100%	100%	99.98%
All diseases except Tuberculosis :						
Whole carcasses condemned	6	20	9	57	7	99
Carcasses of which some part or organ was condemned	683	590	23	506	164	1,966
Percentage of the number inspected affected with disease other than tuber- culosis	15.68%	29.24%	0.96%	2.89%	9.72%	6.65%
Tuberculosis only :						
Whole carcasses condemned	35	83	10	1	10	139
Carcasses of which some part or organ was condemned	678	928	10	2	113	1,731
Percentage of the number inspected affected with tuberculosis	16.23%	48.47%	0.6%	0.015%	6.99%	6.02%

3(C). SLAUGHTER OF ANIMALS ACT, 1933

Number of slaughtermen on Register at 31st Dec., 1940	73
„ „ added to Register during 1941	3
	76
„ „ deleted from Register during 1941	0
„ „ on Register at 31st Dec., 1941	76
Number of applications for licences refused during 1941	0

4(A). SALE OF FOOD AND DRUGS ACTS

During the year, 330 samples were taken, 161 being formal and 169 informal samples.

<i>Formal</i>	<i>Informal</i>	<i>Nature of Sample</i>
1	5	Butter
8	—	Cooked meats
4	10	Confectionery, sweets, etc.
—	4	Cheese
1	14	Fish—canned, and fish and meat paste
—	8	Fruit—fresh and preserved
4	24	Jam, marmalade, honey, etc.
—	4	Margarine
1	54	Groceries—miscellaneous
—	13	Milk—canned and dried
119	2	Milk
—	17	Patent medicines
1	—	Saccharin tablets
5	1	Sausages
14	—	Spirits, wines and beers
—	13	Temperance and non-alcoholic drinks
3	—	Vinegar
161	169	
330		

4(B). Of the samples analysed, 26 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
5665	1	—	Chicken & Ham Paste	Sulphite Preservatives equal to 55 parts per million.	Formal sample unobtainable, supplies given out.
5675	—	1	Milk	Milk fat abstracted 8.0%	Vendor prosecuted and fined 20s. and 13s. costs.
5700	1	—	Peach Jam	Excess sulphite preservatives 37 parts per million. Deficiency of 25.3% soluble solids.	Formal sample unobtainable, supplies given out.
5702	—	1	Whiskey	37.40 degrees under proof	Prosecuted, case dismissed on payment of 17s. costs.
5707	—	1	Milk	Add water 11.5%	Producer prosecuted and fined 20s. and 13s. costs.
*5715	—	1	Home Made Marmalade	60.3% deficient in soluble solids. Contained other than citrous fruits. (Carrot 30.0%).	Vendor warned.

Sample No.	In- formal	For- mal	Article	Adulteration or other irregularity	Action taken
*5716	1	—	Home Made Marmalade	53.3% deficient in soluble solids. Contained other than citrous fruits. (Carrots 30.0%).	Vendor warned.
5719	1	—	Loose Cocoa	50.0% sugar.	Formal sample unobtainable, commodity sold out.
*5746	—	1	Orange, Lemon & Carrot Marmalade	Deficient in soluble solids to extent of 66.0% and contained 30.0% carrot.	Vendor warned.
*5747	—	1	Fig & Rhubarb Jam	60.5% deficiency in soluble solids.	Vendor warned.
*5749	1	—	Orange, Lemon & Carrot Marmalade	66.0% deficiency in soluble solids.	Vendor warned.
*5750	1	—	Fig & Rhubarb Jam	54.4% deficiency in soluble solids.	Vendor warned.
5760	1	—	Beef Sausages	Sulphur dioxide 274 parts per million.	Vendor warned.
5774	—	1	Milk	Milk fat abstracted 7.3%	Samples taken in course of delivery and certificates of the analyses received too late to enable legal proceedings to be taken.
5794	—	1	Milk	Milk fat abstracted 25.0%	
5803	—	1	Milk	Milk fat abstracted 30.0%	
5804	1	—	Milk	Milk fat abstracted 20.0%	Informal sample only taken. Dairyman ceased purveying milk immediately following the taking of this sample.
5837	—	1	Pork Breakfast Sausage	Sulphur dioxide 178 parts per million.	Vendor warned. (Cause found to be accidental).
5871	—	1	Milk	Added water 5.4%.	Vendor warned. (Accident prevented proceedings being taken).
5892	—	1	Milk	Added water 26.8%.	Producer prosecuted and fined £5 and 13s. 6d. costs.
5898	1	—	Cream Cheese	65.0% deficiency in fat.	Vendor warned.
5899	—	1	Wood vinegar.	Deficient in acetic acid to the extent of 55.0%.	Vendor prosecuted and fined £1 and 13s. 6d. costs.
5904	1	—	Butter	Margarine 100%.	Vendor prosecuted and fined £5 and 18s. 6d. costs.
5910	1	—	Milk	Added water. 33.6%	Resolved that name of vendor be removed from the Register of retail dairymen.
5912	—	1	Table Vinegar	Deficient in acetic acid 70%.	Vendor prosecuted and fined £3 and 13s. 6d. costs.
5943	—	1	Milk	Added water 15.7%.	Bulk supply of pasteurised milk, source of origin untraceable.

* Made in conformity with Ministry of Food war recipes.

ESTABLISHMENT OF PUBLIC HEALTH STAFF
(31st December 1941)

<i>Position</i>	<i>Name</i>
Medical Staff	
Medical Officer of Health ; School Medical Officer ; Medical Superintendent, Infectious Diseases Hospital ; Medical Superintendent, Borough Maternity Hospital.	Fred Grundy, M.D. (State Medicine), Ch.B. (Hons.), M.R.C.S., D.P.H., R.C.P.S., Barrister-at-Law.
Deputy Medical Officer of Health.	Charles Lindsay Elder, M.B., Ch.B., D.P.H.
Assistant Medical Officers of Health.	Alexander Leith Smallwood, M.B., Ch.B. ; Dora Seymour Davies, M.B., B.S., D.C.O.G. ; Gwynneth MacPherson, M.B., Ch.B.
Pathologist	Geoffrey Goulden Ludgater, M.A., M.B., M.R.C.S.
Sanitary Staff.	
Chief Sanitary Inspector and Food & Drug Inspector.	Arthur Joseph Nichols, M.R.S.I., R.C.P.
8 Sanitary Inspectors.	
Health Visitors.	
Superintendent Health Visitor. ...	Daisy Mary Macleod, S.R.N., S.C.M., Cert.R.S.I., L.S.M.
10 Health Visitors and School Nurses.	
1 Domiciliary Nurse.	
Borough Maternity Hospital.	
Matron	Barbara Ward, S.R.N., S.C.M.
Infectious Diseases Hospital.	
Matron	Lilian Annie Dally, S.R.N.
Municipal Midwives.	
Supervisor of Midwives	Ethel Knight, S.R.N., S.C.M.
9 Municipal Midwives.	
Clerical Staff.	
Chief Clerk	Fred Keeling Allen.
11 Clerks.	
1 Laboratory Assistant.	



