

[Report 1936] / Medical Officer of Health, East Hertfordshire Combined Districts (Hertford Borough, Hoddesdon U.D.C., Bishop's Stortford U.D.C., Ware U.D.C., Sawbridgeworth U.D.C., Ware R.D.C., Braughing R.D.C., Hertford R.D.C.).

Contributors

East Hertfordshire Combined Districts.

Publication/Creation

1936

Persistent URL

<https://wellcomecollection.org/works/j3ny3ehn>

License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution license.

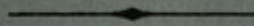
This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

**EAST HERTFORDSHIRE
COMBINED DISTRICTS.**

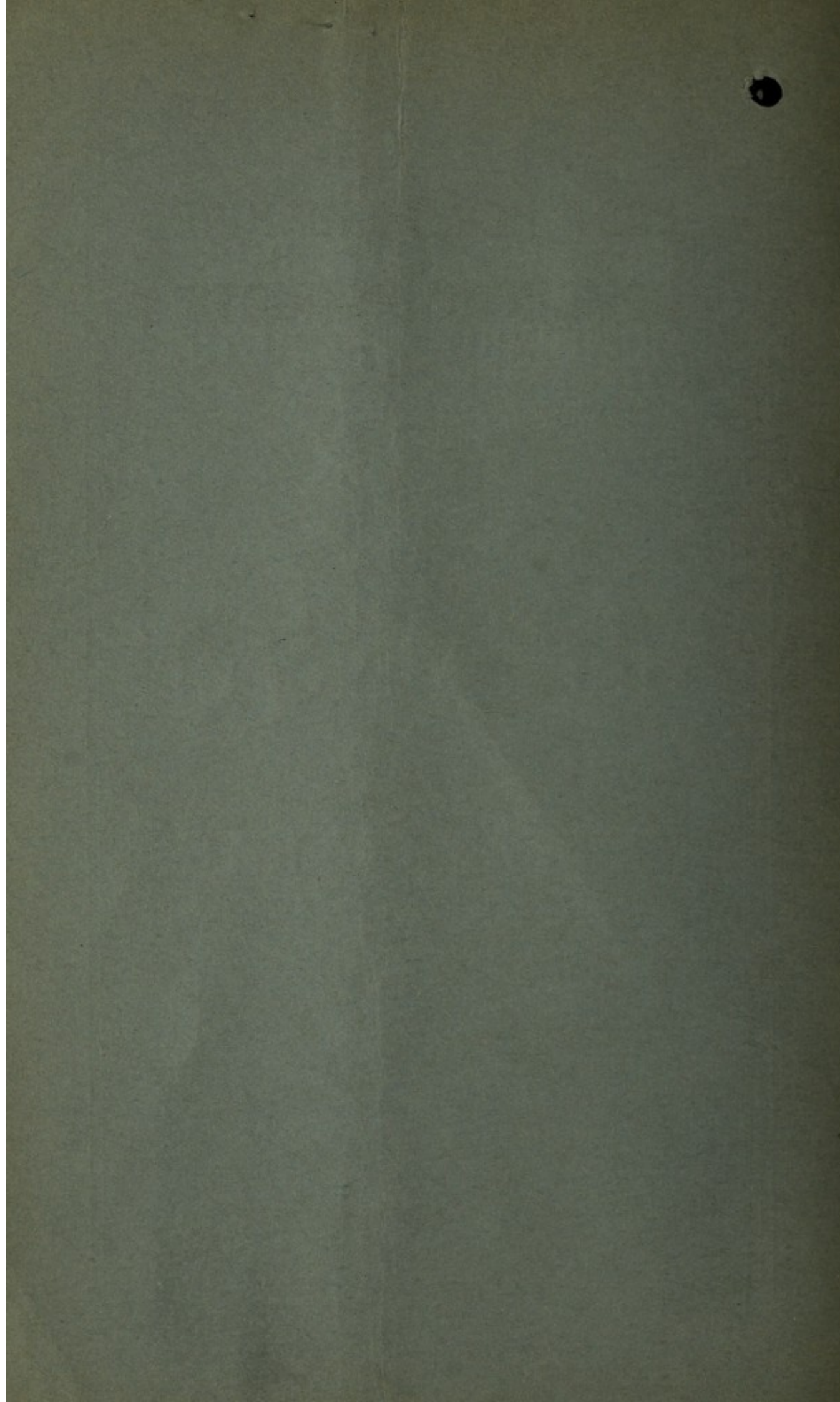


Annual Report

OF THE

MEDICAL OFFICER.

=====
1936.
=====



**EAST HERTFORDSHIRE
COMBINED DISTRICTS.**

Annual Report

OF THE

MEDICAL OFFICER.

1936.

GEO. CREASEY & SONS, PRINTERS,
HERTFORD, HERTS.

1937.

INDEX.

PREFACE. Vital Statistics for each district	...	...	4
A.			
PART I. General Statistics for each district	...	...	5
Acreage, Population and Rateable Value.			
Number of inhabited houses.			
Sum represented by a Penny Rate.			
Births and Deaths.			
Causes of Death	...	...	6
II. General Provision of Health Services for the Area	...		7
Nursing in the Home.			
Laboratory Facilities.			
Legislation in Force.			
Hospitals	...	...	7, 8
Ambulance Facilities.			
III. Prevalence of, and Control over, Infectious Diseases	...		8
Disinfection	...	...	8
Tuberculosis	...	...	10
IV. Sanitary Inspection of the Area	...	...	11
Factory and Workshops Act	...	...	13
Registered Workshops	...	...	15
V. Housing	...	...	16
Particulars of Houses Built	...	...	19
VI. Food. Milk. Number of Cowkeepers and Dairymen			20
Purveyors of Graded Milk.			
Meat. Number of Slaughter Houses	...	...	
B.			
Sanitary Circumstances of the Area.			
Municipal Borough of Hertford	...	...	21
Urban District of Hoddesdon	...	...	27
Urban District of Bishop's Stortford	...	...	36
Urban District of Ware	...	...	40
Urban District of Sawbridgeworth	...	...	46
Rural District of Ware	...	...	48
Rural District of Braughing	...	...	52
Rural District of Hertford	...	...	56
APPENDIX Analyses).			
Public Water Supplies	...	...	60
Sewage Effluents	...	...	65

Sanitary Inspectors.

JOHN BARNISH*	...	...	...	(The Castle) Hertford (M.B.)
WM. NOEL DAVID*	...			(Council Offices) Hoddesdon (U.D.)
JOHN LORD*	...	(4, The Causeway)		Bishop's Stortford (U.D.)
C. J. LUCAS*	...	...	...	(The Priory) Ware (U.D.)
KENNETH STEEN†	...	(Council Offices)		Sawbridgeworth (U.D.)
LAURENCE J. DALE*†	...	...		(97, New Road) Ware (R.D.)
W. N. JARVIS †	(58, Warwick Road,	Bishop's		
		Stortford)		
ERNEST J. THODY †	(Bridgefoot House,			
	Buntingford)			
J. W. RIGGS †	...	...	(Westmill Road, Bengoe)	Hertford (R.D.)

} Braughing (R.D.)

* Certified Meat Inspector. † Also District Council Surveyor.

PREFACE.

The following Report on the health of the Combined Districts has been drawn up on the lines indicated in the memorandum of the Ministry of Health.

The chief vital statistics for the year 1936 were :—

	Resident Population.	* Birth Rate.	* Death Rate.	§ Infantile Mortality.
MUNICIPAL BOROUGH.				
Hertford	13,030	14'1	8'9	32
URBAN DISTRICTS.				
Hoddesdon	11,670	15'3	10'8	56
Bishop's Stortford	10,580	14'0	7'8	27
Ware	7,400	16'6	9'5	40
Sawbridgeworth	2,920	9'2	9'1	37
RURAL DISTRICTS.				
Ware	9,541	13'2	10'1	31
Braughing	8,938	12'7	9'5	17
Hertford	6,907	12'6	11'1	69
East Herts C.D.	70,986	13'9	11'1	38
England and Wales		14'8	12'1	59

* Per 1,000 population.

§ Per 1,000 births.

These rates have been calculated on the Registrar-General's estimate of the resident population in 1936.

That part of the Report dealing with the Sanitary Inspection of the Area has been tabulated by the Sanitary Inspectors of the different districts (under Article 19 of the Sanitary Officers Order, 1926). They have also compiled the Housing Statistics.

ALAN D. WHITELOW,
Medical Officer of Health.

THE CASTLE,
HERTFORD.

11th July, 1937.

I. General Statistics.

	Area (acres)	Number of inhabited houses (end of 1936, according to Rate Books)	Density (persons per acre)	Density (houses per acre)	Average number of occupants per house	Rateable value	Sum represented by a Penny Rate
						£	£
Hertford (M.B.)	3,882	3,476	3·3	0·9	3·7	93,100	369
Hoddesdon ...	4,430	3,340	2·6	0·7	3·5	79,062	315
Bishop's Stortford	3,826	3,075	2·8	0·8	3·4	85,236	331
Ware (U.D.) ...	1,358	1,947	5·4	1·4	3·8	41,945	163
Sawbridgeworth	2,678	888	1·1	0·33	3·3	17,295	67
Ware (R.D.) ...	29,102	2,593	0·3	0·09	3·6	61,313	245
Braughing ...	45,574	2,982	0·2	0·06	3·0	43,162	160
Hertford (R.D.)	32,664	2,071	0·2	0·06	3·3	35,237	134

	BIRTHS					DEATHS	Natural Increase or Decrease
	Legitimate	Illegitimate Number	Percentage	TOTAL			
				M.	F.		
Hertford (M.B.)	174	10	5·7	92	92	122	+62
Hoddesdon ...	171	8	4·6	85	94	135	+44
Bishop's Stortford	140	8	5·7	82	66	98	+50
Ware (U.D.) ...	119	4	3·3	64	59	83	+40
Sawbridgeworth (U.D.)	26	1	3·8	15	12	32	-5
Ware (R.D.) ...	121	5	4·1	55	71	116	+10
Braughing ...	109	5	4·6	54	60	114	—
Hertford (R.D.)	84	3	3·5	40	47	87	—
East Herts (C.D.)	944	44	4·6	487	501	787	+201

CAUSES OF DEATH.		Hertford (M.B.)		Hoddesdon		Bishop's Stortford		Ware U.D.		S'gworth U.D.		Ware R.D.		Braughing		Hertford R.D.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
ALL CAUSES	...	58	64	61	74	49	49	40	43	18	14	65	51	64	50	44	43
Influenza	...	1	2	7	7	2	3	5	3		2		1	3	1	2	2
Notifiable infectious diseases (including Tuberculosis)	...	4	3			3	3							6			
Syphilis (including G.P.I., Tabes Dorsalis and Aneurysm)	...			1								1					
Cancer	...	8	6	4	6	4	9	5	6	5		12	5	9	6	4	5
Diabetes	...	1	1	2	1	5	1	1	1			1	1	1	1	1	2
Cerebral haemorrhage	...		2	3	5	1	1	2	1		2	3	4	1	1	2	4
Heart disease	...	17	22	14	15	12	10	10	11	5	7	24	16	22	8	14	14
Aneurism	...				1											1	
Other circulatory diseases	...	4	7	1	10	6	7	1	8	3	1	3		6	11	3	4
Bronchitis	...	2	2	4	5	1	1	1	1			3	2	2	1	1	1
Pneumonia	...	4	2	3	7	1	4	3	3			2	2	2	2	4	3
Other respiratory diseases	...			3		1	1	1	1	1	1	1	1	1	1	1	
Peptic ulcer	...	1				2											
Diarrhoea, &c., (under 2 years)	...											1					
Appendicitis	...			1	1	1											
Cirrhosis of liver	...		1			1									1		1
Other liver diseases	...						1					1			2		
Other digestive diseases	...	3		3		1	1		1			1	2	1	2	4	1
Nephritis	...				3		1	1	2		1	4	7	2	5	1	1
Other puerperal causes	...														2		
Congenital causes, &c.	...	1	2	4	5	1		1	2	1			1		1	1	1
Senility	...	2	3	4		2	1	2					1	3	2	1	2
Suicide	...	2			1											1	
Other forms of violence	...	1	2	1	3	1	1	4	2			1	3	2	1	3	
Other defined diseases	...	6	6	4	4	6	3	2	1	3		5	4	4	4	1	2
Causes, ill-defined or unknown	...	1	2	2				1					1				
Deaths of infants under 1 year	...	3	3	4	6	1	3	1	4	1		2	2	1	1	4	2
Still births	...	8	6	1	1	1	3	1		1		1	2	2	1	1	2

II.—General Provision of Health Services for the Area.

Nursing in the Home.

This is carried out by the Hertfordshire County Nursing Association.

Laboratory Facilities.

The examination of clinical material (swabs, sputum and blood) is carried out at the County Mental Hospital Laboratory, Hill End, St. Albans, for all districts except Hertford (M.B.) and Hoddesdon, which are served by the Hertford County Hospital Laboratory.

Samples of milk and water are analysed either at St. Albans or the Counties Public Health Laboratories, London, E.C., according to facility of transport.

Legislation in force.

The Public Health Acts (Amendment) Act, 1890, has been adopted now by Hertford (M.B.), Hoddesdon, Bishop's Stortford, Ware (U.D.), Ware (R.D.), and Braughing (R.D.).

Part of the Public Health (Amendment) Act, 1907, and the Public Health Acts, 1925, by Hertford (M.B.), Hoddesdon and Bishop's Stortford, and Ware (U.D. and R.D.); and The Small Dwellings Acquisition Act by Hoddesdon, Bishop's Stortford and Hertford (R.D.).

Housing Act, 1925.

Regulations are in force in Hertford (M.B.) in respect of underground sleeping rooms (section 18 (1)) and Byelaws as to Houses let in lodgings (section 6).

Rag Flock Acts, 1911 and 1928.

There are no premises on which rag flock is manufactured, used or sold.

Hospitals (Voluntary).

HERTFORD. County Hospital (165 beds).

BISHOP'S STORTFORD. The Hospital (61 beds).

County Institutions (Infirmaries).

BISHOP'S STORTFORD. Haymeads (166 beds ; 75 male, 91 female*).

*including 5 Maternity beds and 4 cots.

WARE. Western House (85 beds ; 42 male, 40 female*, 3 children's).

*including 2 Maternity beds.

Ambulance Facilities.

(a) For infectious cases. A motor ambulance is kept at each of the Isolation Hospitals at Hertford and Bishop's Stortford.

Tuberculosis cases travel to and from Ware Park Sanatorium in a motor ambulance belonging to the Herts County Council.

(b) A motor ambulance is provided by the County Hospital, Hertford, for general use in the district and another (the property of the St. John's Ambulance Association) is stationed at the Priory, Ware; while at Bishop's Stortford the one at Haymeads is available for the use of the public.

Arrangement for the disinfection of infected clothing, &c.

Disinfection of bed linen and blankets is carried out at the Isolation Hospital serving the district in which the patient lives.

Arrangements for the disinfection of houses and schools.

Fumigation with Formaldehyde is carried out under the supervision of the Sanitary Inspector in all districts.

NUMBER OF PREMISES DISINFECTED DURING 1936.

Hertford (M.B.)	...	22	Sawbridgeworth (U.D.)	2	
Hoddesdon	...	31	Ware (R.D.)	...	24
Bishop's Stortford	...	9	Braughing	...	10
Ware (U.D.)	...	12	Hertford (R.D.)	...	26

III.—Infectious Diseases.

	Small Pox.	Enteric Fever.	Scarlatina.	Diphtheria.	Puerperal Fever.	Puerperal Pyrexia.	Pneumonia.	Erysipelas.	Ophthalmia Neonatorum.	Cerebro Spinal Meningitis.	Acute Poliomyelitis.
Hertford (M.B.)	—	1	21	6	—	—	³ 3	—	—	—	—
Hoddesdon ...	—	1	24	2	—	—	⁸ 21	3	—	—	—
B'p's Stortford	—	—	6	2	1	2	⁵ 7	1	1	—	—
Ware (U.D.) ...	—	—	8	1	—	—	⁵ 7	—	—	—	—
Sawbridgeworth (U.D.) ...	—	—	5	—	—	—	[*] 1	1	—	—	—
Ware (R.D.) ...	—	—	29	7	—	—	³ 6	3	1	—	1
Braughing ...	—	1	9	—	—	2	[*] 4	1	—	—	—
Hertford (R.D.)	—	1	22	—	—	—	⁵ 6	3	—	—	—

* 1 Death.

Schemes for the immunisation of school children against Diphtheria are now in operation in the Borough of Hertford, Hoddesdon (U.D.) and Ware (R.D.).

Case Rates.

	Per 1000 population.					Per 1000 births.	
	Scarlatina	Diphtheria	Enteric Fever	Erysipelas	Pneumonia	Puerperal Fever	Puerperal Pyrexia
Hertford (M.B.) ...	1'61	0'46	0'07	0	0'23	0	0
Hoddesdon ...	2'05	0'17	0'08	0'25	1'80	0	0
Bishop's Stortford	0'56	0'19	0	0'09	0'66	6'58	13'16
Ware (U.D.) ...	1'08	0'13	0	0	0'94	0	0
S'wbr'gew'th (U.D.)	1'71	0	0	0'34	0'34	0	0
Ware (R.D.) ...	3'04	0'73	0	0'31	0'63	0	0
Braughing ...	1'00	0	0'11	0'11	0'44	0	17'09
Hertford (R.D.) ...	3'18	0	0'14	0'43	0'87	0	0
East Herts (C.D.)	1'73	0'25	0'05	0'17	0'77	0'98	3'92
England & Wales	2'53	1'39	0'06	0'40	1'11	3'27	9'64

Previous Five Years.

	SCARLATINA.					DIPHTHERIA.				
	1931	1932	1933	1934	1935	1931	1932	1933	1934	1935
Hertford (M.B.) ...	18	18	*27	21	*37	*3	*11	2	16	*18
Hoddesdon ...	35	*13	11	34	27	5	3	*8	1	*13
Bishop's Stortford	2	30	65	13	1	4	§5	1	2	6
Ware (U.D.) ...	10	19	7	13	*23	—	†7	2	3	4
S'wbr'gew'th (U.D.)	—	9	13	7	4	—	*1	—	—	1
Ware (R.D.) ...	22	§11	16	25	46	2	*12	12	*14	*19
Braughing...	8	8	16	22	19	11	3	—	2	—
Hertford (R.D.) ...	5	6	5	8	18	—	—	2	1	6
East Herts (C.D.)	100	114	160	143	175	25	42	27	39	67

* 1 Death.

§ 2 Deaths.

† 3 Deaths

Isolation Hospitals.

Hertford Borough, Ware and Hoddesdon Urban Districts, and the Rural Districts of Ware and Hertford are served by the Hertford and Ware Joint Hospital (52 beds) at Gallows Hill, Hertford.

Bishop's Stortford (U.D.), Braughing (R.D.) and Sawbridgeworth were served by a Joint Hospital at Haymeads Lane, Bishop's Stortford (15 beds).

Supplies of diphtheria anti-toxin for the use of practitioners in the district are kept at the Isolation Hospital, and at Hertford Castle, Ware Priory and the Council Offices at Hoddesdon and Sawbridgeworth.

Tuberculosis.

New Cases and Mortality during 1936.

		NEW CASES.				TOTAL.	DEATHS.				Mortality Rate per 1,000 population.
		Res- piratory. M. F.		Non-Res- piratory. M. F.			Res- piratory. M. F.		Non-Res- piratory. M. F.		
Hertford (M.B.)	...	5	—	2	—	7	2	3	1	—	0·4
Hoddesdon...	...	7	3	1	8	19	5	2	2	4	1·1
Bishop's Stortford	.	6	6	1	5	18	3	1	—	2	0·5
Ware (U.D.)	...	6	3	1	—	10	5	3	—	—	1·1
Sawbridgeworth (U.D)		—	—	—	—	—	—	2	—	—	0·3
Ware (R.D).	...	2	1	1	—	4	—	1	—	—	0·1
Braughing	...	4	2	3	1	10	3	1	3	—	0·8
Hertford (R.D.)	...	4	3	—	1	8	2	2	—	—	0·6
East Herts (C.D.)	...	34	18	9	15	76	20	15	6	6	0·6

*Number of cases remaining on the Register
at the end of the year.*

	Respiratory.		Non-Respiratory.		Total.
	M.	F.	M.	F.	
Hertford (M.B.) ...	22	14	12	8	56
Hoddesdon ...	28	13	10	14	65
Bishop's Stortford ...	26	20	4	6	56
Ware (U.D.) ...	22	10	6	8	46
Sawbridgeworth (U.D.)	4	2	—	—	6
Ware (R.D.) ...	12	9	12	7	40
Braughing ...	19	13	7	5	44
Hertford (R.D.) ...	9	7	—	5	21
East Herts (C.D.) ...	142	88	51	53	334

SANITARY INSPECTION OF THE AREA.

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Total number of dwelling-houses inspected	222	250	179	165	194	453	729	975
Number of dwelling-houses inspected under the Public Health Acts	...	...	...	...	...	...	...	...
Re-inspections and visits (including interviews with owners)	129	219	56	144	194	120	80	...
Registered and Licensed Premises inspected	565	1219	432	689	48	546	110	48
Visits <i>re</i> cases of Infectious Disease	224	289	432	155	83	214	154	230
Miscellaneous inspections	14	32	9	30	2	24	9	26
Number of Letters sent	136	78	49	25	162	...	18	8
" Informal Notices	271	350	94	...	134	420	250	...
" Statutory Notices	51	152	120	57	55	60	47	29
" Prosecutions	6	11	2	...	8	5	49	8
Complaints of nuisances received	34	81	82	63	3	35	12	...
Improvements carried out	317	274	303	364	95	173	75	169
<i>Drainage and Sanitary Arrangements.</i>								
Drains cleansed of obstructions	25	40	37	14	9	16	12	5
Drains provided and improved (re-laid or repaired)	49	30	33	8	1	36	8	7
Disconnecting chambers provided or improved	12	43	...	5	...	17	...	...
Ventilation pipes repaired or provided	3	18	6	2	1	8	2	...
Closets and urinals reconstructed, repaired, etc.	11	55	5	18	2	20	10	2
Water closets and urinals provided	2	9	...	1	...	...	2	2
New pans and traps to water closets	18	49	17	5	2	12	2	...
Flushing cisterns replaced; supply pipes required	17	38	24	2	14	...	8	...
Pail closets provided	...	1	...	...	...	32	2	2

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Nuisances abated from offensive cesspools	...	...	...	...	...	8	8	
Dustbins provided	7	46	21	26	25	50	24	
<i>Dwelling Houses, etc.</i>								
Cleansing and re-decorating	9	93	5	41	1	27	8	2
Windows provided or improved	27	79	4	34	4	15		
Walls and ceilings repaired	7	111		40	3		10	
Roofs, gutterings and chimney stacks repaired	16	92	26	25	9	22	4	7
Dampness remedied (damp-proof course inserted, etc.)	36	21	10	12		12	2	5
Floors repaired, re-laid or ventilated	7	59	5	22	4	9		
Cooking ranges and washing coppers repaired or replaced		17	9	11	1	13	10	
Food Stores provided or improved	4	8						
Paving repaired or re-laid	19	15	10	14				
Sinks provided or improved	17	28	12	6	1	15	2	
Houses provided with separate taps	16			10				
Water-butts provided		4						
Wells cleansed and repaired					4	6	1	
Overcrowding abated	16		3	19	2		2	22
Van dwellings removed		1						
<i>Keeping of Animals, etc.</i>								
Nuisance from animals, fowls, etc., abated	1				1	1		2
Offensive accumulations removed	3	7	12	4		4	2	2
Miscellaneous	8	20	26		11	11	2	
Number of houses connected with sewers	61	153	57	94	47	33	37	33
Number of houses connected with water mains	125	153	54	94	65		34	114

1. INSPECTIONS OF FACTORIES, WORKSHOPS, AND WORKPLACES.

(Factory & Workshop Act, 1901).

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
<i>Factories</i> (including								
Factory Laundries):								
Number of Inspections	6	16	8	42	2	15	3	14
„ Written Notices	1	3	—	4	—	—	—	1
<i>Workshops</i> (including								
Workshop Laundries):								
Number of Inspections	32	29	23	33	23	22	47	28
„ Written Notices	2	5	—	2	—	1	1	—
<i>Workplaces</i> (other than								
outworkers' premises):								
Number of Inspections	10	3	—	1	—	6	8	2
„ Written Notices	—	—	—	1	—	—	—	—
Total Number of								
Inspections	48	48	31	76	25	43	58	44
Total Number of								
Written Notices	3	8	—	7	—	1	1	1

2. DEFECTS FOUND IN FACTORIES, WORKSHOPS, AND WORKPLACES.

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
<i>Nuisances under the Public Health Acts :</i>								
Want of Cleanliness—								
Found		5	3	2			1	1
Remedied ...		5	3				1	1
Want of Ventilation—								
Found		1						
Remedied ...		1						
Want of Drainage of Floors—								
Found								1
Remedied ...								1
Other Nuisances—								
Found				1		1		1
Remedied ...				1		1		1
Sanitary accommoda- tion insufficient—								
Found	3			1	1			
Remedied ...	3			1	1			
Sanitary accommoda- tion unsuitable or defective—								
Found	1	5		7				
Remedied ...	1	4						
Sanitary accommoda- tion not separate for sexes—								
Found								
Remedied ...								
<i>Offences under the Factory & Work- shops Acts :</i>								
Referred to H.M. In- spector	1							
Total of Defects—								
Found	5	11	3	11	1	1	1	3
Remedied ...	4	10	3	2	1	1	1	3
Total Defects referred to H.M. Inspector	1							

REGISTERED WORKSHOPS.

			Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
Bakehouses	...	...	11	10	8	9	5	6	10	5
Batmakers	...	...		2						
Bootmakers	...	...	6	9		5	4	4		
Bottlewashers	...	...	2		2					
Builders and Carpenters			11	7	7	2		11	7	4
Cabinet Makers...	...	...	2		2	1				
Cycle Repairers...	...	...	9	4	3		1	2	2	
Dress Makers and Milliners			5	10	2	2	3	3	2	
Engineers	...	...			3	1	1	6	1	
Founders	...	...			2	1				
Motor Repairers	...	...	6	5	12	1	3	7	2	5
Laundries	...	...	1	2	3		2	2		1
Maltings	...	...	6		3	26	1	3		
Plumbers	...	...		9			2	2	1	
Printers ...	...	...	2	2		1		1	1	
Stonemasons	...	...	1		2	1	1		7	
Sadlers and Harness Makers			2	1	1	1		1	2	1
Smiths and Wheelwrights			4	5	2	1	3	6	11	12
Suit Cleaners	...	...	1	2	2					
Tailors ...	...	...	3	3	6	3	3	1	1	1
Watchmakers	...	...	6	2	2	2	2	1	1	
Miscellaneous	...	...	5	6	3		9	3		1

HOUSING.

1. *Inspection of Dwelling-houses during the year :—*

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

2. *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

	Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Sawbridge-worth (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
(1) (a)	222	250	179	165	194	453	649	975
(b)	247	250	179	165	242	580	826	1023
(2) (a)	93	31		21	60		633	23
(b)	118	31		21	77		785	23
(3)	8	11	5	4	17	41	44	14
(4)	28	48	22	1	26	236	80	20
2.	23	28	22	15	26	40	35	17

3. *Action under Statutory Powers during the year :—*

A.—Proceedings under Sections 17, 18 and 23 of the Housing Act, 1930 :

- (1) Number of dwelling-houses in respect of which notices were served requiring repairs
 (2) Number of dwelling-houses which were rendered fit after service of formal notices :—

- (a) By owners
 (b) By Local Authority in default of owners

B.—Proceedings under Public Health Acts :

- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied
 (2) Number of dwelling-houses in which defects were remedied after service of formal notices :—

- (a) By owners
 (b) By Local Authority in default of owners ...

C.—Proceedings under Section 19 and 21 of the Housing Act, 1930 :

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

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	26	1	22		1	127	4	1
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—								
(a) By owners	2	1	22			31	4	1
(b) By Local Authority in default of owners								
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	34	10	113			7	8	
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—								
(a) By owners	2	10	112	6		10	8	
(b) By Local Authority in default of owners ...								
(1) Number of dwelling-houses in respect of which Demolition Orders were made		16				29	31	6
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	1	11	39	2	6	8	1	11

D.—Proceedings under Section 20 of the Housing Act, 1930 :

Number of separate tenements or underground rooms in respect of which Closing Orders were made ...

1

4. *Housing Act, 1935—Overcrowding* :—

(a)—(1) Number of dwellings overcrowded at the end of the year ...

(2) Number of families dwelling therein ...

(3) Number of persons dwelling therein ...

(b)—Number of new cases of overcrowding reported during the year ...

(c)—(1) Number of cases of overcrowding relieved during the year ...

(2) Number of persons concerned in such cases ...

	Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
(a)—(1) Number of dwellings overcrowded at the end of the year ...	10	31	25	30	4	31	36	31
(2) Number of families dwelling therein ...	10	31	25	32	4	31	36	31
(3) Number of persons dwelling therein ...	77	320	195	210½	33½	204	255	225
(b)—Number of new cases of overcrowding reported during the year ...	1	12	2	42	1	—	1	—
(c)—(1) Number of cases of overcrowding relieved during the year ...	15	14	4	12	—	11	5	6
(2) Number of persons concerned in such cases ...	112	90	26	70½	—	58½	33	43

Number of Houses built during 1936.

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Without State Assistance—								
By the Local Authority ...	—	78	—	37	13	16	10	23
By other bodies or persons ...	61	74	101	30	48	40	25	26
With State Assistance—								
By the Local Authority ...	—	—	38	6	6	16	20	11
By other bodies or persons ...	—	—	—	—	—	—	—	—
TOTAL ...	61	152	139	73	67	72	55	60
Number of Council houses contemplated or in course of erection ...								
	63	20	32	32	30	78	22	55
Number of houses dealt with under the Housing (Rural Workers') Acts, 1926 ...								
	—	—	—	—	—	—	2	—
Number of Council houses ...	576	332	198	355	81	290	280	208

VI. FOOD.

A. Milk Supply.

	Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
Number of Cowkeepers on register	8	11	10	13	8	82	100	79
„ Dairyman „	14	21	4	21	8		1	
Purveyors of Grade "A" Milk ...	2	1	1	1		9	3	3
„ Grade "A" Tuberculin Tested Milk	1	3	1	2		5	3	1
„ Certified Milk ...	1							
„ Pasteurised Milk ...	1	1		2				
Milk Pasteurising Premises ...				1				
Dairy Cow Population ...	142	223	134	140	121	1341	1523	1294
Number of inspections ...	51	145	69	27		90	203	

B. Slaughtering-houses and Meat Inspections.

	Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Sawbridge- worth (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
No of Slaughtering-houses— ...								
Registered ...	2	3	2	2	1	10	13	5
Licensed ...	5	1	3	1		4	3	4
Knacker's Yard ...						1	1	
No. of visits to Slaughtering-houses	102	407	227	110	29	281	111	
„ other premises...	43	48	37	12	8	4	1	
Casualty Slaughter ...								

BOROUGH OF HERTFORD.

Water.

The Town of Hertford is at present supplied from four independent sources, viz., Molewood, Hartham, Waterford and Port Hill Pumping Stations. The water is delivered from these four pumping Stations into the covered Reservoir at Port Hill, which supplies the lower portions of the Town, and into the Bengoe Water Tower from which the high level area is supplied.

The Great Molewood Estate and part of Hertingfordbury village have been connected to the town mains.

The scheme for the improvement of the Water Supply Undertaking is being carried out. Two boreholes have been sunk on a site north of the town on the Wadesmill Road and a new Pumping Station is under construction.

Drainage and Sewerage.

The method of disposal of the sewerage of the town is by the presedimented activated sludge process and the resulting effluent is ultimately discharged into the River Lee. New reconditioning tanks have been installed in order to improve the effluent.

The sewers are to be extended to Hertingfordbury.

The Great Molewood Estate has a water carriage system with drainage to cesspools.

Public Cleansing.

There is a weekly collection in covered freighters of refuse which is disposed of by controlled tipping in a disused gravel pit adjoining Kingsmead School, Stanstead Road.

Movable ashbins are now in general use, and very few covered ashpits now remain in the Borough.

Shops Act, 1934.

With regard to the sanitary provisions of the Act, a survey is in progress of the shops within the Borough.

Swimming Baths and Pools.

The municipal open-air swimming bath on Hartham has been in use for 60 years. The tail waters of the Pumping Station (derived from the River Lee) are filtered through gravel and ashes before entry to the Bath, which is lined with mass concrete. There is a continuous flow of water which discharges by a free outfall into the River Beane.

Eradication of Bed Bugs.

(1) The following infested premises were disinfected :—

(a) Council Houses	-	-	5
„ Almshouses	-	-	6
(b) Other Houses	-	-	1

- (2) Disinfestation was effected by fumigation with "Cimex." Where necessary the walls were stripped and cleansed and defective plaster was repaired. The 6 All Saints' Almshouses were cleared, sealed and fumigated: the lining of the internal walls was taken down and replaced with "Insulite" board.
- (3) Only one insanitary property was demolished during the year, and no action was necessary for ensuring that the tenant's belongings were free from vermin before removal to a Council house.
- (4) The work of disinfestation was carried out by the Corporation.

Housing.

Nos. 3, 5 and 7, Maidenhead Yard.

Number 3 was demolished: 5 and 7 were converted into one house.

No. 2, Gashouse Lane.

The owners of this house agreed to secure possession and to demolish the house. The house was vacated.

All Saints' School-house.

An undertaking was accepted that the house will not in the future be used as a dwellinghouse. The house has been vacated.

No. 1, Hartham Lane.

The owner voluntarily agreed not to re-let the house when vacated. The Corporation have rehoused the tenant.

Nos. 9a, 9b, 9c, 9d, Port Hill.

Nos. 13a and 13b, Port Hill.

These 6 houses have been represented as Unfit for Human Habitation. The owners have submitted schemes of improvement for the consideration of the Corporation.

During the year, 19 houses, found not in all respects reasonably fit for human habitation, have been improved. The defects dealt with were dampness, provision of separate water supply, tap and sink in the houses, necessary drainage, paving of yard, and general dilapidations.

In regard to the 19 houses, the improvements were carried out informally after the owners had been served with a schedule of requirements.

Overcrowding Survey.

Housing Act, 1935.

A detailed survey has been carried out in respect to 2,700 houses, the number found to be overcrowded according to the prescribed standard was 24. With the assistance of temporary staff the survey was carried out with the minimum of friction; generally, the burgesses of the Borough co-operated in a most reasonable manner.

An analysis of the extent of overcrowding on the 31st December, 1936, is as follows:—

Number of cases of overcrowding abated:—

(a) Re-housed by the Corporation	...	...	...	8	
(b) Abated by responsible occupier	...	...	...	8	
				—	16

—
8

Number overcrowded since 31st March, 1936	...	2
---	-----	---

<i>Number of cases of overcrowding on 31st December, 1936</i>	10
---	----

With regard to these 10 cases of overcrowding:

Applications have been received for houses on the Corporation Estates in respect to	...	...	6
---	-----	-----	---

(one is on the allotted list for a Corporation house and one has been offered a house and has refused the accommodation).

The remainder are in occupation of Corporation houses	4
---	---

The Corporation have a scheme for the erection of 63 houses to meet the housing needs of the Borough.

PREMISES CONTROLLED BY BYELAWS OR REGULATIONS.

Common Lodging Houses.

The White House (55 Railway St.), which is the only registered Common Lodging House in the Borough, affords nightly accommodation for 39 males. The number of men accommodated during the year was 7,955; nightly average, 21 men. No case of infectious disease was notified from the house.

Meat and Food Inspection.

The number of carcasses examined was Bovines, 80. Sheep and Lambs, 241. Calves, 11. Pigs, 195.

The amount of food found to be unfit and destroyed was :—

Bullock's liver :—Cirrased, (1). Fish :—12 (7 lb.) boxes fish fillets ; 6 (7 lb.) tins prawns ; 3 stone mackerel.

Bacteriological Examination of Milk.

The following samples of milk retailed in the Borough were examined :—

Designation.		Bacterial Count per c.c.	Bacillus Coli.	Presence or absence of Tubercle Bacillus.	Report.
Certified	1.	580	Absent in 1/10 c.c.	—	Satisfactory
Grade "A" (T.T.)	1.	730	Absent in 1/100 c.c.	—	Satisfactory
Ordinary	1.	2,800	Absent in 1/10 c.c.	Absent	Satisfactory

Canal Boats.

The riverside and wharves have frequently been visited for the purpose of inspecting any Registered Canal Boats using the canal within the Borough boundary.

One registered canal boat was found using the canal.

Prevalence of, and Control over, Infectious Diseases.

Scarlet Fever.

Most of the cases occurred in October and November ; 4 of the October cases were members of one family living in Hertingfordbury village.

Kingsmead School had 6 cases, Cowper 2 cases, Longmores and Port Vale had one each.

Enteric Fever.

The only case of typhoid notified was infected in Bournemouth.

Measles was prevalent during the first half of the year, and was the cause of low attendances especially at Bengoe Infants and All Saints' Infants; the latter school was closed for 2 weeks in the middle of May.

Diphtheria.

The cases notified were apparently unconnected and occurred during different months.

Immunisation against this disease is offered free for children between 5 and 8 inclusive whose parents give their consent. The prophylactic used is Alum Precipitated Toxoid and the one injection necessary is given by the family doctor. Eight school children were immunised during the year.

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	6	...	...	...	1	...	2	2	...	1	...	...	...	5	1	...	...
Scarlet Fever ...	21	...	...	...	1	...	4	10	2	3	1	...	...	18	...	3	...
Enteric Fever ...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Pyrexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	3	1	...	...	...	...	...	...	...	...	...	2	...	2	...	...	3
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undulant Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	5	...	...	...	...	...	...	...	...	3	1	1	...	4	...	...	1
Other Tuberculosis ...	2	...	...	...	...	...	1	...	...	1	...	...	...	1	...	...	...

Hoddesdon Urban District.

Water.

The Northern part of the District is supplied by the Metropolitan Water Board. Houses in the rural parts of the District depend on wells and springs.

Most of the Urban District is served by the Council's water undertaking from two deep wells in the chalk, one at Hoddesdon and the other at Broxbourne (which is chlorinated).

A scheme for supplying the District entirely from the Middlefield Road Pumping Station is being proceeded with.

Drainage and Sewerage.

The Northern part of the District is unsewered : all cesspools are emptied by the Council. The remainder of the District (except for houses in undeveloped and low lying parts) has main drainage. It is estimated that 120 houses are drained into cesspools and that there are 50 houses with pail closets. Two cesspools have been abolished and main drainage substituted. One privy was replaced by a pail closet.

The sewage disposal works for Hoddesdon and Rye Park consist of detritus and settling tanks, contact beds and rotary percolating filters—the pumping machinery being electrically driven.

Sewage from Broxbourne and Wormley is disposed of by broad irrigation at the Sewage Farms.

Scavenging.

There is a weekly collection of house refuse from practically the whole of the District by low-loading (dustless type) S. & D. freighters. The bulk of it is disposed of in the refuse destructor.

Shops Acts, 1934, Section 10.

Seventeen premises were inspected during the year and the following improvements were secured by informal action :—

Ventilation improved	...	...	...	...	3
Improvement to sanitary conveniences	...	...	...	...	1

Public Health (Smoke Abatement Act, 1925).

It was not found necessary to take any action under the above Act during the year.

Swimming Baths and Pools.

A road house has an open-air swimming pool which is frequented by the general public. The bulk of the water used comes from the town mains and purification is effected by filtration and chlorination. A sample of the water, taken in August, submitted to chemical and bacteriological analysis was reported on as being of a high degree of bacterial purity, and safe for swimming bath purposes.

Eradication of Bed Bugs.

During the year, 7 Council-houses and 12 other houses were found to be infested. Disinfestation was carried out in all cases.

Methods Employed :—

The wall paper was stripped off; skirting boards, architraves and other woodwork removed, and treated with the flame of a blow lamp; all crevices likely to form a harbourage were sprayed with a liquid insecticide.

In a few instances, this operation was repeated after an interval of 7 to 10 days.

Fumigation with a proprietary preparation has also been employed in addition to the above procedure, where the tenants' effects remained in the rooms.

In order to prevent infestation of the Council's houses, the furniture and effects of tenants selected for the new houses on the Essex Road Housing Estate were examined. It was found necessary to have the belongings of 25 households disinfested prior to removal.

The furniture and effects (excepting bedding) were treated with a $2\frac{1}{2}\%$ concentration of hydro cyanic gas in sealed vans.

This was carried out by contractors who specialise in work of this kind.

The bedding was subjected to steam disinfection, this being effected at Western House, Ware.

Housing Act, 1930 (Section 19).

Demolition Orders were made during the year on the following properties:—

Nos. 77 and 79, Burford Street, Hoddesdon - - -	2
Nos. 69, 71, 73 and 75, Burford Street, Hoddesdon -	4
Nos. 4, 5, 6, 7 and 8, Griffin Yard, High Street, Hoddesdon	5
Building rear of No. 61, Amwell Street, Hoddesdon -	1
Nos. 8, 10, 12 and 14, Ware Road, Hoddesdon - -	4
	—
	16
	—

The following properties were demolished during the year:—

Nos. 77 and 79, Burford Street, Hoddesdon - - -	2
Nos. 69, 71, 73 and 75, Burford Street, Hoddesdon -	4
3 Cottages, Goose Green, Lord Street, Hoddesdon -	3
No. 191, Lord Street, Hoddesdon - - - -	1
No. 36, Amwell Street, Hoddesdon - - - -	1
	—
	11
	—

Housing Act, 1935: Overcrowding Survey.

The Preliminary Survey of the District, which was carried out by one Enumerator, was commenced on 4th November, 1935, and completed by 27th January, 1936. 2,721 primary calls were made, an average of 247 a week. The total number of visits was 5,654.

Number of houses in the District - - - -	3,296
Number embraced in the preliminary survey - -	2,721
Number of houses measured - - - -	107
Number of houses found to be overcrowded - -	33
Number of Council-houses found to be overcrowded and included in above - - - -	8

The Measurement Survey was commenced on 18th May, 1936, and completed by 17th October, 1936.

Number of houses measured - - - -	1,605
Total number of houses measured during the year -	1,712
Number of houses found to be overcrowded during 1936 - - - -	45
Number of Council-houses included in this figure -	9
Cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of the overcrowding	Nil

The position at the end of the year is summarised in the following report prepared by the Sanitary Inspector:—

Number of cases of overcrowding discovered in the course of the preliminary survey	-	-	-	-	33
Number of the above cases abated	-	-	-	-	15
Number of fresh cases of overcrowding	-	-	-	-	11
Number of these cases which have been abated	-	-	-	-	2
Number of overcrowded Council-houses still remains at					8
TOTAL REMAINING CASES OF OVERCROWDING	-				27

Four of the seventeen cases abated were relieved by removal into Council-houses.

The fresh cases of overcrowding were disclosed in the measurement survey and are due to various causes, *e.g.*, children who were previously counted as half a unit now count as a whole unit; sons and daughters formerly away from home now residing with parents, and to a lesser degree to movement of families.

Re-Housing Proposals.

After a thorough examination of the present position and making allowance for a number of large families which are not now overcrowded but are likely to be so within the next two or three years, it appears that alternative accommodation would have to be provided for the following:—

3 cases of 10 persons in family.

5 „ „ 9 „ „ „

4 „ „ 8 „ „ „

4 „ „ 7 „ „ „

1 case „ 6 „ „ „

1 „ „ 4 „ „ „

1 „ „ 3 „ „ „

In accordance with the Ministry of Health Circular No. 1539, this would mean, roughly, the provision of:—

THREE 4-bedroom type of house, with bedrooms of a size 150, 130, 120, 110 sq. ft., and living room and parlour.

FIVE 4-bedroom type of house, with bedrooms of a size 150, 130, 120, 100 sq. ft., and living room and parlour.

FOUR 4-bedroom type of house, with bedrooms of a size 150, 120, 120, 100 sq. ft., and living room and parlour. Superficial area in toto : 1,130 sq. ft.

FOUR 4-bedroom non-parlour type of house, with bedrooms of a size 150, 120, 100, 80 sq. ft. and living room about 220 sq. ft. Superficial area in toto : 1,050 sq. ft.

Seven of these cases would be removed from existing Council-houses, which would be utilised to re-house the overcrowded families comprised of six persons and under.

INSPECTION AND SUPERVISION OF FOOD.

(a) MILK SUPPLY.

Number of retail purveyors of milk - - - -	15
Number of retail purveyors of milk by rounds from premises outside the District - - - -	6

The cowsheds and dairies have been frequently inspected.

Improvements to the floors have been effected in two cowsheds, and one new cowshed is in course of erection.

Two new dairy premises have been provided during the year; each consists of separate washing rooms and milk store.

Bacteriological Examination of Milk.

Nine samples of "graded" milk sold under the Milk (Special Designations) Orders, 1923 and 1936, were submitted for bacteriological examination. The results were as follows:—

Four Grade "A" (Tuberculin Tested) and four Tuberculin Tested (Certified) samples conformed with the prescribed standard. In one case of Tuberculin Tested (Certified) milk, the sample did not conform to the standard owing to the presence of bacillus coli. Subsequent samples taken from the producer and retailer were found to be satisfactory.

Biological examination of two samples of milk by the animal inoculation test was done, and both were found to be non-tubercular.

(b) MEAT AND OTHER FOODS.

Slaughterhouses and Meat Inspection.

During the year 407 visits were made, and the following carcasses were examined:—

Beasts - - -	101	Calves - - -	34
Sheep - - -	122	Pigs - - -	603

With the exception of sheep and lambs, practically all the carcasses of animals slaughtered in the district are examined.

The following unsound food was surrendered :—

Animal.	Details.	No.	Approx. Weight.	Disease.
Beast	Carcase and offal (bullock)	1	694 lbs.	Generalised Tuberculosis.
„	Head and tongue	2	53 „	Tuberculosis.
„	Do. do.	1	28 „	Actinomycosis.
„	Livers	3	31 „	Abscesses.
„	Do.	1	11 „	Tuberculosis.
„	Pair lungs	1	7 „	Tuberculosis.
„	Mesentery	1	6 „	Tuberculosis.
Pig	Heads	43	198 „	Tuberculosis.
„	Pairs lungs	15	18 „	Tuberculosis.
„	Mesenteries	44	30 „	Tuberculosis.
„	Livers	3	10 „	Cirrhosis.
„	Do.	11	40 „	Tuberculosis.
„	Pork (shoulders)		42 „	Tuberculosis.
Four and half sieves of plums			112 „	Unsound.

Total weight of unsound food—1,280 lbs.

In addition, 2 carcasses of swine were reported to the Ministry of Agriculture as being suspected of being affected with Swine Fever.

The Ministry's Inspector condemned the carcasses and they were destroyed.

Other Food Premises.

Number of inspections	-	-	-	48
-----------------------	---	---	---	----

Rainfall.

Rain fell on 172 days and amounted to 23'62 inches.

	Days on which rain fell,	Total No. of inches,		Days on which rain fell,	Total No. of inches,
January	- 20	3'31	July	- 19	3'70
February	- 12	1'49	August	- 7	'37
March	- 12	'83	September	- 18	3'10
April	- 11	1'06	October	- 12	1'67
May	- 5	'44	November	- 18	2'93
June	- 21	3'41	December	- 17	1'31

The wettest day was September 20th with '96 inch.

*Prevalence of, and Control over, Infectious Diseases.**Scarlet Fever.*

	Rye Park.	Hoddesdon.	Broxbourne.	Wormley.	Total.
January -			2		2
February -					—
March -			1	1	2
April -					—
May -					—
June -					—
July -	1				1
August -	3			1	4
September -	4				4
October -	2	6	1		9
November -	2				2
December -					—
	12	6	4	2	24

Diphtheria.

Immunisation against this disease is offered free to children (aged 5—13 inclusive) attending public elementary schools whose homes are in the district and whose parents give their consent. All such children are referred to their family doctor for treatment. Infants (5—7) are given one injection of Alum Precipitated Toxoid. Juniors and Seniors (8—13) are first Schick tested at School by the Medical Officer and those found to be susceptible to Diphtheria are given 3 injections of Toxoid-Antitoxin Mixture. The preparations of Evans, Lescher & Webb, Ltd., are used.

		Infants.	Juniors and Seniors.		
		A. P. T.	Children tested and treated.		
			SCHICK.		
			Positive.	Negative.	
			T.A.M.		
Rye Park	- -	16	2	10	28
Broxbourne	- -	5	12	5	22
Wormley	- -	7	4	7	18
Hoddesdon (C.E.)	-	2	5	0	7
		30	23	22	75

Pneumonia.

Half the cases occurred during January and February. Facilities for the Bacteriological examination of sputum and serological typing where the Pneumococcus is found are available at the Hertford County Hospital. Curative serum is provided by the Council free in necessitous cases.

Six cases of Lobar Pneumonia were notified and one was confirmed bacteriologically. This was a woman of 25, who proved to be a Type 2 infection, was treated with mixed Types I. and II. Serum and made a dramatic recovery.

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	2	...	...	...	1	1	1	4	...	...	...	...	...	2	...	...	1
Scarlet Fever ...	24	1	...	1	1	2	8	...	...	5	2	...	...	22	...	2	...
Enteric Fever ...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pyrexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	21	2	3	...	...	...	4	...	...	2	1	4	5	5	...	...	8
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	3	...	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undulant Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	9	...	...	...	...	...	...	1	...	2	1	3	1	5	...	...	3
Other Tuberculosis ...	9	...	...	1	1	...	4	...	1	...	2	...	...	6	...	...	6

Bishop's Stortford Urban District.

Water.

Nearly all of the houses obtain their supply from the Town service. The pumping station is situated on high ground outside the town, near the western boundary of the district ; 2 wells 164 feet deep go 40 feet into the chalk. A new high level reservoir (500,000 gallons capacity) and distribution mains are nearing completion. There are a few wells on the outskirts.

Drainage and Sewerage.

There is a public sewerage system for the town.

The sewage farm is on the Hallingbury Road in the Dunmow Rural District (Essex). The sewage is carried $1\frac{1}{2}$ miles by gravitation to tanks where it is screened, then pumped up on to the high level. Here it is treated by broad irrigation through trenches, with final treatment through longitudinal gravel filters before the effluent passes into the river Stort. Existing pumps have been replaced by electrically driven centrifugal pumps of a capacity of 70,000 gallons per hour, and a new 12 inch rising main constructed. There are about 20 cesspools and a few pail closets on the outskirts.

Scavenging.

Household and trade refuse is collected by motor lorry and in horse drawn covered dust carts, and tipped on land adjoining the Castle Grounds.

Swimming Bath.

The public open-air swimming bath adjoins the Council House in the Causeway. It is of re-inforced concrete construction, 75ft. long by 35ft. wide. An up-to-date filtration plant has been installed which administers chlorine and ammonia to the water. The capacity of the pool is 93,000 gallons, and the whole of the water is passed through the filter every eight hours.

Eradication of bed bugs.

Three houses were found to be bug infested. One was in a Clearance Area and has been demolished.

Another was sprayed with Zaldecide and reconditioned throughout.

The third was treated with Hydrocyanic Gas—the work being carried out by a firm of London Contractors.

*Housing.**Housing Act, 1930.*

The houses in the following Clearance Areas have been demolished :—

South Street (Mount Pleasant) No. 1. New Path Nos. 1—13.
 South Street (Perry's Yard) No. 2. Basbow Lane (Bull Yard).
 London Road (Duck Row) Rye Street Nos. 26 and 28.

Nos. 8, 10 and 12, Castle Street, have been demolished voluntarily. Voluntary closure : 14, Tuckers Row.

Nos. 43, 45, 47 and 49, Basbow Lane, have been reconditioned.

An undertaking that No. 16, Bells Hill, would not again be used for human habitation was accepted.

The following houses were scheduled as unfit (bringing the total to 54) :—

1 and 3, North Terrace ; Dane Street ; London Road ; 6 and 8, Bells Hill ; 1 and 2, Start Hill ; 87, Hadham Road ; 3, 5 and 7, Basbow Lane ; 1 and 2, Cricket Field Lane.

Re-housing.

Accommodation was found in Council Houses for the tenants of 3 and 43, Basbow Lane ; 20, Chapel Row ; 16, Bells Hill ; and 36, Rye Street.

When the 32 houses at present in course of erection are occupied, there will still be 22 families at least from unfit houses, as well as 25 from overcrowded houses to be re-housed.

*Inspection and Supervision of Food.**(a) Milk Supply.*

There are 10 cowsheds on the register, housing approximately 134 dairy cows.

69 inspections were made of these premises during the year, and the following is a list of improvements carried out :—

Cowsheds entirely re-drained	...	1
„ paved and drained	...	2

Bacteriological Examination of Milk.

The following samples of ordinary milk retailed in the town were examined :—

	<i>Place of Production.</i>	<i>Bacterial count per c.c.</i>	<i>Bacillus Coli.</i>	<i>Tubercle Bacillus.</i>
1.	Bishop's Stortford	80,000	Absent in 1/1000 c.c.	Absent
2.	Bishop's Stortford	5,600	Absent in 1/1000 c.c.	"
3.	Braughing (R.D.)	6,700	Absent in 1/100 c.c.	"
4.	Essex	100,000	Absent in 1/10 c.c.	"
5.	Braughing (R.D.)	12,800	Absent in 1/10 c.c.	"
6.	Essex	31,000	Absent in 1/100 c.c.	"
7.	Bishop's Stortford	11,300	Absent in 1/10 c.c.	"
8.	Essex	43,000	Absent in 1/10 c.c.	"
9.	Essex	75,000	Absent in 1/100 c.c.	"

(b) Meat and Other Foods.

There are five private slaughter-houses in the district, two registered situate in South Street, one licenced in Stanstead Road, one in Castle Street, and one in Thorley Lane. Four of these premises are very old and previous reports have indicated the shortcomings of these buildings; they are insufficient and out-of-date.

Particulars of the animals slaughtered and inspected are given in the following table :—

Bovine	...	...	187
Sheep and lambs	...	...	1166
Pigs	...	...	531
			—
			1884
			—

The following were found to be unfit for human food and destroyed :—

2 carcasses of pork; 1 carcase of mutton; 14 bullock's livers; 1 bullock's spleen; 6 lbs. of beef; 13 pig's plucks, and 1 sheep's liver and lungs.

The 14 bullock's livers were condemned for cirrhosis and multiple abscesses, and the remainder for tuberculosis and dropsy.

4½ lbs. of prawns and 14 lbs. of smoked fillet were also condemned as unfit for human food.

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	2	...	...	...	...	...	...	...	1	1	...	...	...	1	...	1	...
Scarlet Fever ...	6	...	...	...	...	1	2	...	1	2	...	...	...	6	...	...	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
" Pyrexia...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	7	2	1	...	...	...	1	...	...	1	1	1	...	1	...	...	5
Ophthalmia Neonatorum ...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Erysipelas ...	1	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undulant Fever ...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	12	...	...	...	...	...	1	1	1	6	2	1	...	10	...	...	3
Other Tuberculosis ...	6	...	1	4	...	...	...	...	...	...	...	...	...	5	...	...	2

RETURN CASES.—Three of the cases of Scarlet Fever were infected by children who had been discharged from Isolation Hospitals in other districts a short time before.

Ware Urban District.

Water.

The supply, which is publicly owned, has always been satisfactory in quality and quantity. There are two deep wells sunk in the chalk :—

- (1) Upper Waterworks (136 ft.) at Musley.
- (2) Lower Waterworks (101 ft.) at Musley Lane.

Storage is provided for by means of a Water Tower of 200,000 gallons, and a Reservoir of 240,000 gallons capacity. Considerable improvements have been made in recent years by the division of the Town into High and Low Level Zones.

Drainage and Sewerage.

Practically the whole district is sewered. The sewage gravitates to the pumping station at Stanstead Abbots, in the Ware Rural District (this is being reconstructed and new Centrifugal pumps, in duplicate, each of a capacity of 1,000 gallons per minute are being installed).

From here it is lifted to the Sewage Farm near Rye House (131 acres) and distributed by broad irrigation; new reinforced troughing is being constructed, and the filtration areas are receiving special attention.

Public Cleansing.

Refuse is collected weekly in two covered mechanical conveyances and is disposed of by controlled tipping; land in the valley between the Railway and the River is being lifted 5 ft. by this means.

There are 30 houses with cesspools and these are emptied free by the Council.

There are still 25 houses with pail closets and one with a chemical closet, and these are also emptied weekly by the Council.

Smoke Abatement.

No serious offences were committed during the year and the informal action taken with regard to minor offences have produced satisfactory results. In one instance a temporary failure of the plant was responsible for an emission of black smoke.

Swimming Baths and Pools.

(a) The public open-air swimming bath is in the Priory grounds. The main pool, constructed of polished artificial marble, is 100 ft. by 35 ft., and the Children's Pool is 45 ft. by 15 ft. It is supplied from the Town mains and the River; complete circulation of the water is effected—the turnover occupying 4 hours. Before re-entry, a coagulant

(alumina and soda ash) is added to the water which is then filtered through gravel and sand: it is finally chlorinated (Royle's chloronome) and aerated.

(b) There is also an open-air swimming pool at a road house in the district. Water is obtained from the town mains, circulated constantly, and is filtered and chlorinated before re-entry.

Eradication of Bed Bugs.

(1) (a) (i) No. of Council houses found to be infested	...	46
(ii) No. of Council houses disinfested		10
(b) (i) No. of other houses found to be infested		19
(ii) No. of other houses disinfested		3

Council Houses.

A block of four houses were disinfested by Hydrogen Cyanide, and six loads of bedding from these houses were treated by steam. Six houses were disinfested by Sulphur and a reliable insectide. The furniture of one family who moved from one Council house to another was treated by HCN in a van, and four loads of bedding were stoved.

Privately Owned Houses.

A pair of semi-detached houses were disinfested by HCN under the control of contractors. The owner had this done on the advice of this department. One house was treated with SO_2 by the Owner upon request.

(2) The methods employed for freeing infested houses.

It has been decided that houses shall be gassed with SO_2 for a period of eight hours after the premises have been sprayed with a reliable insecticide. It is hoped that a heavy and rapidly evolved concentration of the gas will give good results. In one house where very bad infestation existed, no recurrence had occurred three months after one treatment, and in the other case one live bug was found two months afterwards. In special instances HCN has been used, but it is not proposed to adopt this method for house disinfestation.

(3) The methods employed for ensuring that the belongings of tenants are free from vermin before removal to Council houses.

The belongings of all persons removed from Clearance areas, irrespective of whether vermin is found or not and of prospective tenants where signs of vermin are found in their present house, are treated with HCN and steam; the gas being introduced into a sealed van in which the furniture is removed, and the bedding dealt with in the steam disinfecter. The household effects of 14 families (including 32 loads of bedding) were so treated.

Hydrogen cyanide fumigation was carried out for two families, one family from a condemned house (Section 19 Housing Act, 1930), the other family being transferred from a house which the Owner has undertaken not to relet. Eight loads of bedding were treated by steam.

(4) *Council and Contractors share in the work.*

(a) The disinfection of Council houses is carried out by the Council's own workmen, except where HCN is used, when specialists are employed. At the request of Owners or occupiers of private property the Council undertake to disinfest at the Owner's cost.

(b) The steam disinfection of bedding is carried out at Western House.

(c) The treatment of household effects with HCN is carried out by contractors in their own vans.

Housing Act, 1930.

Part I. Clearance Areas Nos. 11 and 12 (Kibes Lane, Priory Street and Black Swan Yard). These houses have been demolished.

Clearance Areas Nos. 13—17 (Chapel Yard, Sams Yard, Horn Court and Church Street). The Minister of Health confirmed the Orders without variation where previous agreement had not been reached with the owners.

Part II. Two houses were demolished during the year.

Two houses were made fit for habitation after undertakings were given and accepted by the Council, the original undertakings not to relet until made fit for habitation being thereupon cancelled. One undertaking not to relet was accepted by the Council. In the case of an attic an undertaking was given and accepted that same should not be used for human habitation.

Re-housing.

The following non-parlour type houses are in process of erection :—

With 3 bedrooms	...	27
„ 4 „	...	5

The building of 170 houses is under consideration :—

Parlour type (4 bedrooms)	...	14
Non-Parlour type (3 bedrooms)	...	116
„ „ (4 „)	...	40

and a further 16 for large families to deal with overcrowding :—

4-bedroom houses	
5 „ „	

*Inspection and Supervision of Food.**(a)—Milk Supply.*

Improvements to one cowshed have been carried out during the year, new windows and standings have been provided, and each cow has its own water bowl. The milkers at this farm are provided with clean white overalls and caps. The general cleanliness of all the cowsheds is maintained.

Bacteriological Examination of Milk.

Four samples of milk were examined during the year.

<i>No. of sample.</i>	<i>Designation.</i>	<i>Bacteria per c.c.</i>	<i>Bacillus Coli.</i>	<i>Tubercle Bacillus.</i>	<i>Report.</i>
52	Pasteurised	9,600	0·01 c.c.	—	Clean.
53	Ordinary	12,000	0·1 c.c.	Absent	Very clean.
54	Ordinary	13,000	0·01 c.c.	Absent	Clean.
55	Ordinary	8,000	0·1 c.c.	Present	Very clean.

The County Veterinary Officer detected the tuberculous cow which was slaughtered.

*(b) Meat and other Foods.**Slaughterhouses.*

There are three slaughterhouses in the district, two being registered premises, and the third licensed. Every effort is made to maintain regular visits whilst slaughtering is in progress. At the registered premises, killing takes place at fixed times, and occasional notice of slaughter is given by the proprietor of the licensed establishment.

In one instance, failure to notify the existence of disease in the dressed carcass was reported to the Council and a warning letter was sent. The premises are limewashed at the appointed times.

The number of carcasses, with organs inspected at the slaughterhouses from 1st May to 31st December, were :—

Bovines 37 ; Calves 3 ; Ovines 52 ; Porcines 63.

The number of visits to slaughterhouses was 110, and to butcher's shops 12.

The following meat was condemned during the same period:—

Bovines (Tuberculosis) 2 heads and tongues; 4 lungs; 1 liver;
1 mesentery.

(Distomatosis) 1 liver.

(Unwholesome) 1 pair of lungs.

Porcines (Tuberculosis) 7 heads and tongues; 1 spleen; 15
mesenteries.

(Swine Erysipelas) 1 pair of lungs; 1 liver; 1 spleen,
stomach and intestines.

(Other conditions) 1 pair of lungs (Pleurisy); 10 pair of
lungs (Congestion); 1 liver (Fatty
degeneration).

Rabbits (Abscess) 1 rabbit.

Fish (Decomposition) 8 stone Codfish fillets; 22 lbs. prawns; 1 stone
cod fillets.

(c) *General.*

No. of visits to bakehouses	...	...	10
No. of visits to fried fish shops	...	...	4
No. of visits to fish shops	...	...	1
No. of visits to provision shops	...	...	1

Canal Boats.

(1) Total number of Canal Boats inspected	...	...	17
(2) Defects dealt with during the year	...	...	3
(3) Proceedings during the year—			
(a) New boats registered	...	...	Nil
(b) Legal proceedings	...	...	Nil
(c) Infectious disease	...	...	Nil
(d) Boats detained for cleansing and disinfection			Nil
(4) Statistics from Register of Canal Boats—			
(a) Number of boats registered since 1888	...		75
(b) Number of boats on register (Dec. 31st, 1936)			57
(c) Estimated number of registered boats now in use	...	...	9

There is very little sleeping on the boats, and the registration covers one or two persons per boat.

In addition to the registered boats, there are some boats in use which are not used for sleeping purposes, and are accordingly unregistered.

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	1	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...
Scarlet Fever ...	8	...	...	...	...	...	4	2	...	1	...	...	...	7	...	1	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Pyrexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	7	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	5
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undulant Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	1	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...
Pulmonary Tuberculosis ...	9	...	...	...	...	...	...	...	...	4	...	4	1	8	...	...	4
Other Tuberculosis ...	1	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	1

Sawbridgeworth Urban District.

Water.

There is an adequate piped supply to all parts of the town from the mains of the Herts and Essex Waterworks Company ; the water is derived from a well 130 feet deep in the chalk situated in Redrick Lane. The hamlet of Spellbrook depends on a spring in the gravel 15 feet below the surface ; the water is hand pumped from a collecting chamber in Spellbrook Lane.

Drainage and Sewerage.

The district is well sewered with the exception of Spellbrook ; the sewage gravitates to the farm, situated in the south east, and is disposed of by the contact bed system.

The sewage enters the works through screening chambers, storm water being passed over a weir sill before the sewage enters a covered settling tank.

The sewage, after leaving the settling tank, is permitted to settle in a dosing chamber before being submitted to the contact beds.

The beds, 9 in number with gravel media, are laid out in three tiers, each dose being in contact three times before entering a small stream which discharges into the River Stort. No humus tanks are provided. Sludge chambers are provided adjacent to the settling tank in which the sludge is allowed to settle before being carted to the drying beds.

Public Cleansing.

Refuse collection is carried out by means of a horse-drawn covered dust cart, which collects from each house weekly.

The refuse is disposed of by the system of controlled tipping on a site adjoining the sewage disposal works. A wire netting screen has been provided to prevent the blowing about of paper, and soil for covering has been obtained from excavations at the sewage farm.

Housing Act, 1930 (Section 19).

The following houses were demolished and the tenants re-housed by the Council in Bull Fields :—

Nos. 1, 2 and 3, Bell Yard ;

No. 1 Vantorts Road ;

Nos. 1, 2 and 3, Taylor's Road.

During December, 17 houses (14 of which were in Spellbrook) were represented as unfit for human habitation, and are now having the consideration of the Council.

Housing Act, 1935—Overcrowding.

A survey of 360 working-class houses was carried out.

To meet the needs of overcrowding it is suggested that it will be necessary to build the following houses:—

- 4 houses with 4 bedrooms and a parlour which can be used as an additional bedroom.
- 1 house with 4 bedrooms (non-parlour).

Meat and Food Inspection.

29 visits to the private slaughterhouses have been made, and the following carcasses inspected:—Bovines 9, Pigs 63, Sheep and Lambs 111.

The food found to be unfit for human consumption was as follows:—

Bovines	...	...	Nil.
Pigs	...	...	1 Pluck.
Sheep	...	...	1 Pluck.

Periodical visits have been made to butchers' shops where animals are slaughtered outside the district, and no cases of unsound food have been found.

Notifiable Diseases.

				Smallpox and Enteric.	Scarlet Fever.	Diphtheria.	Pneumonia.	Erysipelas.	Tubercu- losis.
Total	...	...	...	0	5	0	1	1	1
Under 5 years	...	...	...		3				
5—14	...	...	...		2				
15—30	...	...	...						1
Over 30	...	...	...				1	1	
Admitted to Hospital	...	...	...		3				
Died	...	...	...				1		

Eradication of bed bugs.

A bedroom over a general provision shop was disinfested by the Insect Pest Destruction Company.

Ware Rural District.

Water.

The new water tower at Old Hall Green for supplying Hunsdon, The Mundens, Standon, Stanstead Abbots, Thundridge, Wareside and Widford has been commenced, the trial boring at Puckeridge having proved satisfactory in quality and quantity.

Drainage and Sewerage.

The sewerage and sewage disposal schemes for the parishes of Great Amwell, St. Margarets, Standon and Thundridge were approved by the Ministry of Health after a Public Inquiry had been held at Ware on 15th May, 1936. The sewage from Great Amwell will gravitate to a pumping station at St. Margarets which will lift it to Stanstead Abbots, whence it will be pumped into the sewage tanks of the Ware Urban District Council and finally disposed of at the Rye Sewage Farm. A pumping station at Wadesmill will lift the sewage from High Cross and Thundridge into the sewers of the Ware Urban District. There will be a separate sewage disposal works for the villages of Standon and Puckeridge.

Public Cleansing.

Cesspools are emptied free on request; pails twice weekly from Eastwick, Gilston, Hunsdon, The Mundens, Standon, Thundridge, Wareside and Widford.

House refuse is collected weekly in covered conveyances and disposed of by tipping at Standon and St. Margarets.

Swimming Baths and Pools.

The only swimming pool to which the general public were admitted was not opened in 1936.

Housing.

Housing Act, 1930.

Six houses at Wareside and 2 at Little Munden were demolished. Demolition Orders were made in respect of 29 houses :—

Wareside	...	10	Thundridge	...	2
Little Munden...		6	Great Munden	...	5
Eastwick	...	5	Standon	...	1

Housing Act, 1935.

The number of dwelling houses inspected for overcrowding was 1935.

Re-housing Proposals.

In addition to the 12 houses at Stanstead Abbots under construction at the end of the year, it is proposed to build a further 66 houses to re-house persons displaced from unfit houses and to relieve overcrowding in the district.

Eastwick ...	4	Hunsdon ...	8	Ware Rural...	4
Thundridge ...	18	Great Munden...	4	Little Munden	4
Standon ...	10	High Cross ...	14		

Council Houses.

Eastwick ...	...	—	St. Margarets...	...	8
Gilston ...	...	—	Standon ...	...	96
Great Amwell ...	...	12	Stanstead Abbots ...	...	54
Great Munden ...	...	22	Thundridge ...	...	8
Hunsdon ...	...	26	Ware Rural ...	...	40
Little Munden ...	...	24	Widford ...	...	—

Meat Inspection.

301 bullocks, 456 sheep and 467 pigs were slaughtered. 156 bullocks, 309 sheep and 298 pigs were inspected, and the following were found to be unfit for human consumption and destroyed:—
1½ side of beef (tubercular), 1 sucking pig (swine fever), 1½ side of mutton (damaged).

*Prevalence of, and Control over, Infectious Diseases.**Scarlet Fever.*

	Great Munden.	Little Munden.	St. Margarets.	Standon.	Thundridge.	Ware Rural.	Total.
January ...				2	3		5
February ...		1		4			5
March ...				2			2
April ...	1			3			4
May ...							—
June... ...				1			1
July ...		1	1	1			3
August ...							—
September ...	1					1	2
October ...							—
November ...							—
December ...							—
	2	2	1	*13	3	§1	22

*Including three return cases.

§Return case.

In addition to the above, 6 cases were notified from boarding schools in the district and 1 from the Sanatorium.

Diphtheria.

All the 7 cases notified occurred at a boys' boarding school. The immunisation of school children was continued by Dr. Alan Wigfield and myself. The following table summarises the work done since the last Report.

				Infants.		Juniors and Seniors. Children tested and treated. SCHICK.	
						Positive.	Negative.
Great Amwell	...	...		6			
Great Munden	...	...		1	4		
High Cross	...	...		6			
Little Munden	...	...		4	4		1
Puckeridge (C.E.)	...			10	4		2
„ (R.C.)	...			2	2		1
Standon	...	...		4	6		2
Stanstead Abbots	...			7	4		3
Thundridge	...	...		8			
Other Schools	...	...		1	2		
				49	26		
Total Immunised...				75			

Eradication of bed bugs.

Two privately owned and one Council house found to be bug infested were disinfested. In each case the rooms infested were sprayed with Pyagra Insecticide—in the case of the Council house at Standon—after stripping the walls. The work was carried out under the supervision of the Sanitary Inspector.

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School San- atorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	7	...	...	...	...	...	...	3	3	...	...	1	...	1	6	...	...
Scarlet Fever ...	29	...	2	...	3	1	5	2	7	7	...	1	...	24	1	4	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Pyrexia...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	6	1	...	3	...	...	1	...	1	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum ...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	3
Erysipelas ...	3	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undulant Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	3	...	...	...	...	...	...	...	1	1	1	...	...	2	...	...	...
Other Tuberculosis ...	1	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...

Braughing Rural District.

Water.

Work is in progress in connection with the Water Supply Scheme for Anstey, Aspenden, Buckland, Buntingford, Cottered, the Hormeads, Meesden, Throcking, Westmill and Yardley. An extension of the main eastward from Great Hormead will supply the Pelhams. It is proposed to supply the parishes of Braughing and Little Hadham and to augment the present supply to Much Hadham, from the new pumping station near Puckeridge (Ware Rural District) with a water tower at Albury.

Drainage and Sewerage.

Buntingford, Much Hadham, and parts of Braughing and High Wych have public sewers.

A scheme of sewerage and sewage disposal for Cottered was approved by the Ministry of Health after a Public Inquiry had been held in the village on 14th February.

Owing to the increased volume of sewage to be dealt with at Buntingford it became necessary to enlarge the main outfall sewer.

Public Cleansing.

House refuse is collected weekly at Buntingford and Much Hadham. Tins and other indestructible refuse are collected monthly at Braughing and quarterly in other parishes.

Housing Act, 1935.

Survey of Working Class Houses.

The summary of the survey of the District was as follows:—

Houses Inspected	...	...	...	...	1,718.
Overcrowded	...	...	...	...	39.
Council Houses (included in the above figures)					
Inspected	...	...	...	...	214.
Overcrowded	...	...	...	...	11.

Parish.	No. of houses overcrowded.		Steps recommended to be taken by the Council.		Type of house recommended.
			(a)	(b)	
			Other than by the provision of further Council Houses.	By the provision of further Council Houses.	
Anstey ...	...	2	1. Can be accommodated in Council House to be erected under 1930 Act	—	—
			2. Notice upon Tenant to remove lodger (a Coun- cil House).	—	—
Aspenden	...	4	2. Grant licence to permit temporary overcrowd- ing as the overcrowding is slight and of tempor- ary nature	...	...
				2	4 bedroomed
Ardeley	...	Nil	—	—	—

Parish.	No of houses overcrowded.	Steps recommended to be taken by the Council.		Type of house recommended.
		(a) Other than by the provision of further Council Houses.	(b) By the provision of further Council Houses.	
Buckland ...	3	1. Already accommodated in Council House under 1930 Act. 2. Can be accommodated in Council Houses — 1930 Act.	—	—
Broadfield ...	Nil	—	—	—
Cottered ...	2	1. Already accommodated in Council House under 1930 Act. 1. Surveyor will seek alter- native accommodation	—	—
Great Hormead	Nil	—	—	—
Little Hormead	3	1. Already abated. 2. Grant licence to permit temporary overcrowd- ing as the overcrowding is slight.	—	—
Layston ...	2	1. Can be accommodated in Council House under 1930 Act. 1. Grant licence to permit temporary overcrowd- ing as the overcrowding is slight.	—	—
Meesden ...	Nil	—	—	—
Throcking ...	Nil	—	—	—
Westmill ...	2	2. Notice upon tenant to remove lodger.	—	—
Wyddial ...	1	Can be accommodated in Council House to be erected under 1930 Act at Buntingford.	—	—
Albury ...	3	4 houses are also to be dealt with under Housing Act, 1930	6	2 4-bedrooms 2 3-bedrooms 2 2-bedrooms
Braughing ...	4	—	4	2 4-bedrooms 2 2-bedrooms
Much Hadham	6	2 will be accommodated in Council House under 1930 Act 2. Grant licence to permit, etc.	2	1 4-bedrooms 1 2-bedrooms
Little Hadham	Nil	—	—	—
High Wych ...	5	1 will be accommodated in Council House under 1930 Act	6	2 4-bedrooms 2 3-bedrooms
Brent Pelham	Nil	—	—	—
Furieux Pelham	1	1 house also to be dealt with under Housing Act, 1930 ...	2	1 4-bedrooms 1 2-bedrooms
Stocking Pelham	Nil	—	—	—
Thorley ...	1	Grant licence to permit, etc.	—	—
Total ...	39	—	22	—

Council Houses.

Albury	10	Aspenden	8
Braughing	24	Buntingford	42
Brent Pelham	2	Meesden	10
Furneaux Pelham	4	Buckland	22
Stocking Pelham	4	Cottered	42
High Wych	16	Great Hormead	30
Little Hadham... ..	4	Little Hormead	6
Much Hadham	34	Anstey	6
Thorley	4	Yardley	6
Broadfield, Throcking	—	Westmill	6

Eradication of bed bugs.

A bed room in a Council house at Hare Street was found to be infested with bed bugs and disinfested by burning Cescones (powder).

NOTIFIABLE DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	9	...	...	...	1	1	6	1	...	...	...	...	...	7	...	2	...
Enteric Fever ...	1	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Pyrexia ...	2	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
Pneumonia ...	4	1	1	...	...	...	1	...	1	...	...	1	...	...	...	...	1
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Undulant Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	6	...	...	...	...	...	...	...	...	5	...	1	...	4	...	...	2
Other Tuberculosis ...	3	...	...	...	...	...	1	1	...	1	...	...	...	2	...	...	1

Hertford Rural District.

Water.

A piped supply serves the parishes of Aston, Benington, Walkern, Watton, Stapleford, Sacombe, and part of Bengoe Rural. The water is obtained from two boreholes, 312 feet in the chalk, at the Aston Pumping Station, and distributed from water towers at Benington and Aston.

The parishes of Little Berkhamstead, Bayford and Brickendon Liberty are supplied from the Pumping Station at Bayford. This supply is being enlarged by the sinking of fresh deep boreholes, and carrying the mains to Epping Green and the parish of Hertingfordbury, linking up with the Cole Green Waterworks which have been acquired by the Council.

The parishes of Tewin, Datchworth and Bramfield have a piped supply obtained in bulk from Welwyn R.D.C.

The Metropolitan Water Board serves Hertford Heath (Little Amwell); and the well at Goldings, Waterford Village (Stapleford).

Drainage and Sewerage.

The new Sewerage and Sewage Disposal Scheme at Little Berkhamstead was completed during the year. The sewage is collected in settling tanks, and after passing through sprinklers is disposed of by surface irrigation.

A scheme of sewerage and sewage disposal for the parishes of Walkern and Watton is now under consideration.

Schools.

A supply of water has been laid on to the schools at Benington, Little Berkhamstead, Stapleford and Watton-at-Stone.

Housing.

The following is a summary of the Housing survey carried out early in the year :—

Parish.	Council Houses.	Total over-crowding.	Extent to which over-crowding can be relieved.	New houses required.		
				1935 Act.	1930 Act.	Total.
Aston - - - -	9	—	—	—	—	—
Bayford - - - -	6	2	1	1	—	1
Benington - - - -	12	4	1	3	—	3
Bengeo Rural - - - -	14	3	1	2	—	2
Bramfield - - - -	6	—	—	—	—	—
Brickendon - - - -	—	2	—	2	—	2
Datchworth - - - -	26	9	3	6	8	14
Hertingfordbury - - - -	14	3	—	3	—	3
Little Amwell - - - -	41	12	3	9	3	12
Little Berkhamstead - - - -	12	1	—	1	3	4
Sacombe - - - -	4	—	—	—	—	—
Stapleford - - - -	8	—	—	—	—	—
Tewin - - - -	22	4	—	4	—	4
Walkern - - - -	18	2	—	2	1	3
Watton - - - -	16	—	—	—	—	—
	208	42	9	33	15	48

In order to meet the housing shortage in the district, due to overcrowding and the demolition of unfit property, the Council decided to erect the following houses :—

Parish.	Houses to be erected			Total.
	2 bed-room.	3 bed-room.	4 bed-room.	
Aston - - - -	—	4	—	4
Bayford - - - -	—	2	—	2
Benington - - - -	—	3	3	6
Bengeo Rural - - - -	—	—	2	4
Bramfield - - - -	—	2	2	4
Brickendon - - - -	—	2	2	4
Datchworth - - - -	—	8	8	16
Hertingfordbury - - - -	—	2	2	4
Little Amwell - - - -	—	—	—	—
Little Berkhamstead - - - -	—	3	—	3
Sacombe - - - -	—	—	—	—
Stapleford - - - -	—	—	—	—
Tewin - - - -	—	—	4	4
Walkern - - - -	—	2	2	4
Watton - - - -	—	—	—	—
	—	30	25	55

Housing Act, 1930.

Houses in respect of which demolition orders were made :—

One at Little Berkhamstead.

Three at Hertford Heath (Nos. 1, 2, 3, Goat Row).

Prevalence of, and Control over, Infectious Diseases.

			Aston.	Herting- fordbury.	Staple- ford.	Tewin.	Walkern.	Watton.
January	-	-	2		1			
February	-	-	1					
March	-	-						1†
April	-	-						
May	-	-						
June	-	-	2					
July	-	-	1					
August	-	-						
September	-	-						
October	-	-		6				1†
November	-	-		1		1	3*	
December	-	-				1	1	

* One family.

† At boys' boarding school.

HERTFORD (M.B.)—Water Analyses.

CHEMICAL RESULTS IN PARTS PER 100,000.

	Low Level Supply (February)	High Level Supply (February)	Low Level Supply (March)	Low Level Supply (May)	High Level Supply (May)	High Level Supply (November)	Low Level Supply (November)
Appearance	...	...	...	...	...	...	...
Colour	...	...	...	...	...	...	...
Odour	...	...	...	...	...	...	...
Reaction	...	...	...	...	...	...	...
Free Carbonic Acid	...	...	...	...	...	...	...
Electric Conductivity at 20° C.	...	...	...	...	...	...	...
Total Solids, 180° C.	...	...	...	...	...	...	...
Chlorine in Chlorides	...	...	...	...	...	...	...
Nitrogen in Nitrates	...	...	...	...	...	...	...
" " Nitrites	...	...	...	...	...	...	...
Hardness: Permanent	...	...	...	...	...	...	...
Temporary	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...
Metals	...	...	...	...	...	...	...
Free Ammonia	...	...	...	...	...	...	...
Aluminoid Ammonia	...	...	...	...	...	...	...
Oxygen absorbed in 4 hours at 80° F.	...	...	...	...	...	...	...

BACTERIOLOGICAL RESULTS.

	Low Level Supply (February)	High Level Supply (February)	Low Level Supply (March)	Low Level Supply (May)	High Level Supply (May)	High Level Supply (November)	Low Level Supply (November)
No. of Bacteria per c.c.—	...	...	...	...	...	...	...
On Agar in 3 days at 20° C.	...	...	...	...	...	...	...
" " 1 day at 37° C.	...	...	...	...	...	...	...
" " 2 days at 37° C.	...	...	...	...	...	...	...
The Bacillus Coli	...	...	...	...	...	...	...
Bacillus Welchii	...	...	...	...	...	...	...
Report	...	...	...	...	...	...	...

HODDESDON (U.D.)—Water Analysis.

Hoddesdon Supply.

Chemical Results in parts per 100,000.

Appearance	-	-	-	-	-	Clear and bright.
Colour	-	-	-	-	-	Normal.
Odour	-	-	-	-	-	None.
Reaction pH	-	-	-	-	-	Neutral 7.8.
Electric Conductivity at 20° C.	-	-	-	-	-	690.
Total Solids, 180° C.	-	-	-	-	-	46.0.
Chlorine in Chlorides	-	-	-	-	-	6.5.
Nitrogen in Nitrates	-	-	-	-	-	0.60.
Nitrites	-	-	-	-	-	Absent.
Hardness: Permanent	-	-	-	-	-	7.0.
Temporary	-	-	-	-	-	21.0.
Total	-	-	-	-	-	28.0.
Metals	-	-	-	-	-	Iron and Lead: Absent. Trace of Zinc.
Free Ammonia	-	-	-	-	-	0.0000.
Albuminoid Ammonia	-	-	-	-	-	0.0000.
Oxygen absorbed in 4 hours at 80° F.	-	-	-	-	-	0.0250.

Bacteriological Results.

Numbes of Bacteria per c.c.—

On Agar in 3 days at 20° C.	-	-	-	-
1 day at 37° C.	-	-	-	60.
2 days at 37° C.	-	-	-	64.
The Bacillus Coli	-	-	-	Absent in 50 c.c.

Report: Pure and wholesome.

Sawbridgeworth (U.D.)—Water Analysis.

*Spelbrook Well.**Grains per Gallon.*

Total Dissolved Matter left as residue on evaporation, dried at 230° Fahr. - - - - -	33'88
Loss on Incineration of Residue - - - - -	1'68
Chlorine in Chlorides - - - - -	1'30
Equal to Sodium Chloride - - - - -	2'14
Nitrogen in Nitrates - - - - -	inappreciable
Free (actual or saline) Ammonia - - - - -	0'001
Albuminoid (organic) Ammonia - - - - -	0'001
Oxygen absorbed by Oxidisable Organic Matter etc., from a solution of Potassium Permanganate at a temperature of 80° Fahrenheit—	
In 15 minutes - - - - -	0'011
In 4 hours - - - - -	0'22
Appearance in 2 feet tube - - - - -	not quite clear
Hardness before boiling - - - - -	26 degrees
„ after boiling - - - - -	7 „

Result of Bacteriological Examination :

Colonies developed from 1 cubic centimetre in cold plate culture in nutrient agar medium at 20° C. in three days - - - - -	100
Ditto ditto ditto from 1 c.c. incubated at blood heat - - - - -	10
Colonies developed from 1 cubic centimetre in Bile Salt Agar (special medium for <i>B. Coli</i> and its congeners) at blood heat - - - - -	None
MacConkey Broth Culture Tests:—	
1 cubic centimetre - - - - -	Negative
10 cubic centimetres - - - - -	Negative
100 cubic centimetres - - - - -	Positive

Report. Satisfactory.

Braughing Rural District.

Well at Council Cottages, Cottered.

Colour & Turbidity ...	...	Completely opaque. Earthy deposit on standing.
Odour ...	...	None.
Reaction ...	...	Alkaline.
Residue after evaporation ...	...	Brownish. No charring.
Free Ammonia ...	...	Nil.
Chlorides ...	...	4 parts per 100,000.
Nitrites ...	...	None.
Nitrates ...	...	Faintest trace.
Oxygen absorbed at 80° ...	...	About 0.2 parts per 100,000.
Metallic impurities ...	...	Lead } Zinc } None. Iron } Copper }
Hardness : Temporary ...	...	Degrees 46.
Permanent ...	...	„ 13.
Total ...	...	„ 59.

Report.—This water contains a heavy deposit of earthy substance. Its appearance is unpleasant and from this point of view it cannot be recommended. The oxygen absorption is high, indicating that certain organic matter is present, but there are no other indications of pollution. It would not appear to contain recent faecal pollution and the organic matter is probably carried down with the earthy deposit. It would be advisable to examine this site with a view to preventing entrance of this deposit to the well.

Action taken. Well closed indefinitely.

HERTFORD (R.D.) Water Analyses.

Aston Water Supply.

	Benington. (April).	Watton. (July).	Stapleford. (December).
Appearance	Clear and bright	Clear and bright	Clear and bright
Colour	Normal	Normal	Normal
Odour	None	None	None
Reaction	Neutral 7.2	Neutral 7.2	Neutral 7.2
Free Carbonic Acid	2.2		
Electric Conductivity at 20° C	500	495	505
Total Solids, 180° C	33.0	33.0	33.5
Chlorine in Chlorides	1.4	1.4	1.3
Nitrogen in Nitrates	0.32	0.34	0.24
" Nitrates	Absent	Absent	Absent
Hardness: Permanent	4.0	5.5	4.0
Temporary	22.0	22.5	24.0
Total	26.0	28.0	28.0
Metals	Absent	Minute trace of Iron	Absent
Free Ammonia	0.0004	0.003	0.0010
Albuminoid Ammonia	0.0000	0.0000	0.0024
Oxygen absorbed in 4 hours at 80° F	0.0050	0.0100	0.0200

BACTERIOLOGICAL RESULTS.

No. of Bacteria per c.c.—	2		
On Agar in 1 day at 37° C	Absent in 50 c.c.	Absent in 50 c.c.	Absent in 20 c.c.
The Bacillus Coli	Wholesome	Pure and Wholesome	Wholesome
Report	...	...	...

HERTFORD M.B.—Analyses of Sewage Effluents.

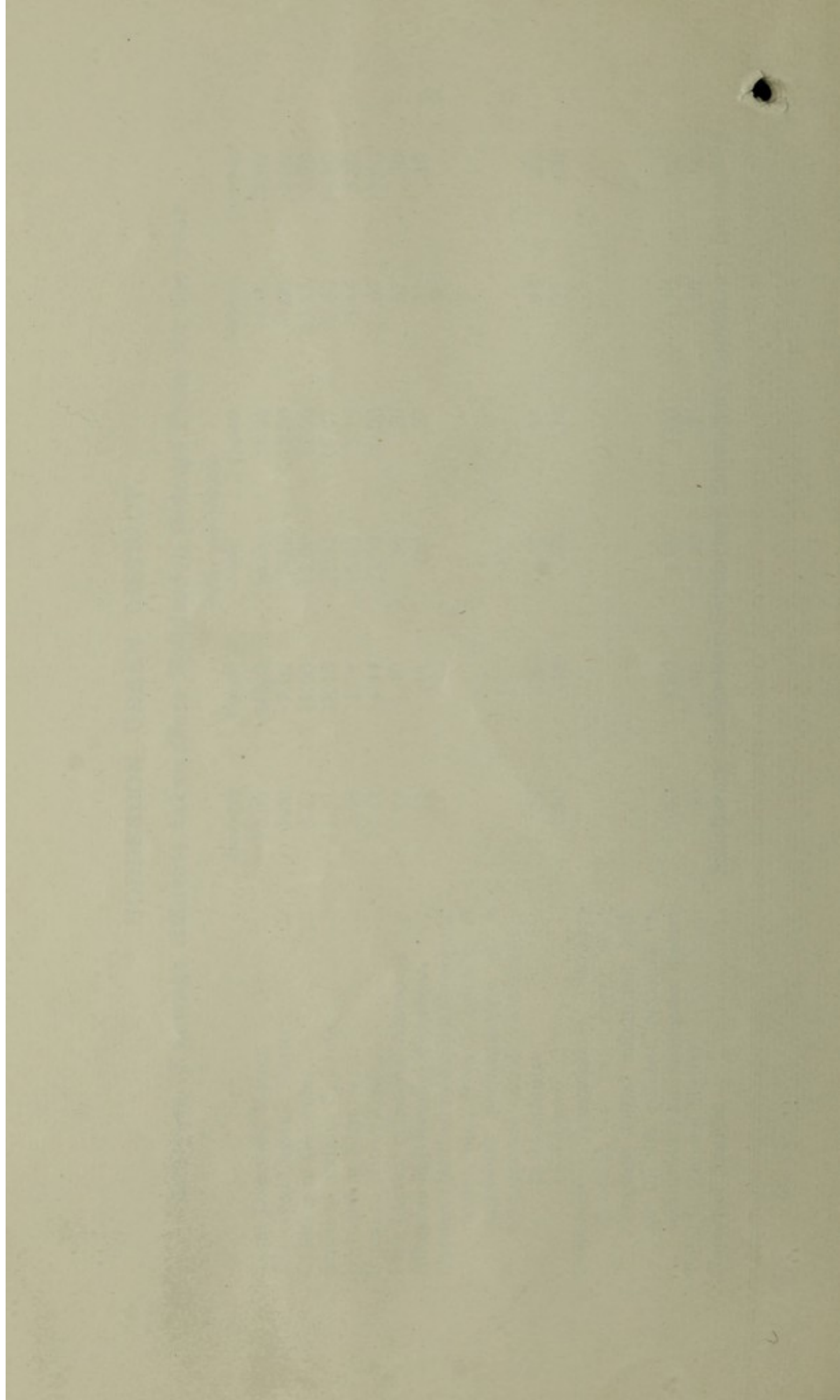
RESULTS EXPRESSED IN PARTS PER 100,000.									
		January	March	May	July	September	November		
Appearance	...	Bright, slight humus deposit	Bright, very slight humus deposit	Bright, slight humus deposit	Bright, very slight humus deposit	Bright, very slight humus deposit	Bright, slight humus deposit	...	...
Colour	...	Faint yellow	Faint yellow	Faint yellow	Faint yellow	Slight yellow	Faint yellow	...	...
Odour	...	Faint earthy	Faint earthy	Faint earthy	Earthly	Earthly	Faint earthy	...	...
Suspended Matter, Total	...	Under 1.0	Under 1.0	Under 1.0	Under 1.0	Under 1.0	Under 1.0	...	...
" " Volatile	...	" "	" "	" "	" "	" "	" "	...	...
Chlorine	...	4.5	3.9	3.5	2.9	2.8	4.8	...	...
Nitrites	...	V.D. Trace	Trace	Trace	Trace	Distinct Trace	Absent	...	...
Nitrogen in Nitrates	...	0.36	0.34	0.32	0.26	0.36	0.12	...	...
Free Ammonia	...	0.850	1.080	1.150	0.550	0.830	0.650	...	...
Albuminoid Ammonia	...	0.045	0.055	0.025	0.035	0.048	0.075	...	...
Oxygen absorbed, 4 hours at 80° F.	...	0.390	0.510	0.210	0.330	0.30	0.410	...	...
" " 3 minutes	...	4.2	5.3	2.3	3.4	3.9	5.8	...	...
Impurity figure	...	0.80	1.35	0.60	1.65	0.69	0.85	...	...
Biological oxygen demand	...	Good	Good	Very good	Good	Satisfactory	Satisfactory	...	...
Report	...	...	...	...	...	...	...	...	...

HODDES DON URBAN DISTRICT.

Analyses of Sewage Effluents taken from Hoddesdon Sewage Farm for the year.

	Parts per 100,000.			
	January.	March.	June.	August.
Total Dissolved Matter	85.00	86.00	98.00	88.00
Dissolved Organic Matter	5.00	7.00	5.50	5.50
Chlorine in Chlorides...	8.20	11.00	13.00	12.00
Equal to Sodium Chloride	13.51	18.13	21.42	19.77
Nitrogen in Nitrates	2.88	3.74	6.05	5.19
Equal to Nitric Acid	11.11	14.44	23.33	20.00
Free (Actual or Saline) Ammonia	.21	.40	.56	.20
Albuminoid (Organic) Ammonia	.11	.14	.10	.07
Oxygen absorbed by oxidisable organic matter, etc., from a solution of potassium permanganate at a temperature of 80° Fahrenheit—				
In 15 minutes	.29	.50	.55	.44
In 4 hours	.60	.85	.88	.71
Dissolved Atmospheric Oxygen absorbed in five days, after complete initial saturation with air of the effluent including its sedimentary and suspended matter	1.90	1.60	1.80	1.00
Total Suspended Matter	.30	.40	1.20	.30
Report of Analyst	Satisfactory	Satisfactory	Satisfactory	Satisfactory
				1.90
				.80
				.58
				.70









34