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BILLEDON RURAL DISTRICT COUNCIL

ANNUAL REPORTS

OF THE

Medical Officer of Health

JOHN YOUNG.

M.B., CH.B., D.P.H.CAMB.

Surveyor and Chief

Public Health Inspector

JOHN W. STEPHENSON, B.E.M.,

A.M.S.E., F.F.S., F.A.P.H.I., M.R.S.H.

FOR THE YEAR

1958



COUNCIL OFFICES, THURNBY, LEICESTERSHIRE

BILLESDON RURAL DISTRICT COUNCIL.

REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE

YEAR ENDED 31st. December, 1958.

TO: THE CHAIRMAN AND MEMBERS OF THE
BILLESDON RURAL DISTRICT COUNCIL.

Mr.Chairman, Ladies and Gentlemen,

I present to you my Annual Report on the health and sanitary circumstances of the Billesdon Rural District for the year 1958.

Again I am glad to be able to report that the health of the rural district continued to be good as is evidenced by the table on page 4.

Once again the maternal death rate has been 'NIL' but unfortunately, 8 infants under the age of one year died and there were 11 still births. The causes of the infant deaths can be regarded as non-preventable and the rates are still well below those for the whole of the Country.

Although there is a slight increase in the death rate it is still below that for Leicestershire and the Country as a whole.

It is a pleasure to be able to report that there were no cases of Poliomyelitis or Diphtheria notified during the year but it is still very necessary that parents should have their children immunised against these diseases.

LABORATORY FACILITIES.

There has been no change in the arrangements during 1958 whereby the Public Health Laboratory Service at Groby Road, Leicester undertakes the bacteriological examination of specimens submitted.

In addition to the milk, ice cream and water examinations reported upon by the Chief Public Health Inspector, the following examinations were carried out during 1958 :

Faeces and urine	...	...	172
Sputa	...	...	91
Miscellaneous	...	...	5

Ambulance Facilities : Nursing in the Home : Maternity and Child Welfare :
Child Life Protection : School Health Services.

The Leicester County Council is the responsible authority for the administration of these Services.

National Assistance Act, 1948. Section 47.

No cases came to notice during the year.

PUBLIC HEALTH OFFICERS
OF THE
BILLESDON RURAL DISTRICT.

MEDICAL OFFICER OF HEALTH.

J.Young, M.B.,Ch.B.,D.P.H.Camb.

The Medical Officer of Health acts for the
Leicestershire and Rutland Combined Districts
in which this District is included.

SURVEYOR AND CHIEF PUBLIC HEALTH INSPECTOR.

John W.Stephenson, B.E.M.,A.M.S.E.(Civ.);F.F.S.,F.A.P.H.I.,
M.R.S.H.,Cert.S.I.B.
Certificated Inspector of Meat & Other Foods.
Incorporated Engineer.
Incorporated Municipal Surveyor.
Incorporated Building Surveyor.

ADDITIONAL PUBLIC HEALTH INSPECTOR.

G.E.J.Potter, L.F.S.,M.R.S.H.,M.A.P.H.I., Cert.S.I.B.
Certificated Inspector of Meat & Other Foods.
Incorporated Building Surveyor.

TECHNICAL ASSISTANT.

T.Gregg, L.F.S., Incorporated Building Surveyor.

CLEANSING AND WORKS SUPERVISOR.

J.T.Johnson.

ADMINISTRATIVE ASSISTANT.

Mrs.M.Allen.

JUNIOR ASSISTANT.

B.Chapman.

BIRTH RATE, DEATH RATE AND GENERAL STATISTICS FOR 1958.

	LIVE BIRTHS.		STILL BIRTHS		DEATHS		DEATHS OF INFANTS UNDER 1 YEAR	
	Number.	per 1,000 population.	Number.	per 1,000 local live and still births	Number.	per 1,000 total population.	Number.	per 1,000 related live births
ENGLAND AND WALES.	738,323	16.4	16,274	21.6	526,792	11.7	16,620	22.5
COUNTY OF LEICESTER	6,371	16.70	165	25.24	3,848	10.09	110	17.27
BILLESDON R.D.C.	423	20.47	11	20.66	102	9.23	8	18.91

GENERAL STATISTICS.

Area in acres	49,714.	Rateable Value ...	£144,363.
Registrar General's Estimate of Population (Mid.1958)	17,360.	Sum represented by a 1d. rate..	£572.
No. of inhabited dwellings	5108.		

IMMUNISATION AGAINST DIPHTHERIA, 1958.

The following is a return of children resident in the Rural District who were immunised against Diphtheria during the year ended 31.12.58.

of Birth.	Primary Inoculations.	Reinforcing Inoculations.
1958	57	-
1957	167	-
1956	33	-
1955	11	-
1954	2	29
1953	10	89
1952	-	35
1951	3	5
1950	-	1
1949	1	1
1948	-	-
1947	-	-
1946	-	-
1945	-	-
1944	-	-
Totals	284	160
Comparable Figures for 1957	218	105

The following is a return of the number of children resident in the Rural District of Billesdon under the age of 15 years on 31st. December, 1958 who had completed a course of immunisation at any time before that date (i.e. at any time since 1st. January, 1944.)

No. of Children Born.	Year of Birth.	Number Immunised.
	1944	115
	1945	26
	1946	92
167	1947	101
150	1948	105
135	1949	69
127	1950	93
118	1951	91
129	1952	83
121	1953	89
123	1954	127
180	1955	144
290	1956	193
391	1957	196
423	1958	57
2354.	-	1581.

Diphtheria Notifications and deaths in 1958
in relation to immunisation.

Notifications.	Deaths.
Nil	Nil

NOTIFIABLE DISEASES.

Disease.	Total of Cases Notified.	Cases admitted to Hospital.	Total Deaths.
Scarlet Fever.	34	-	-
Whooping Cough.	73	3	-
Food Poisoning.	7	1	-
Meningococcal Infection.	3	3	-
Measles.	272	-	-
Pneumonia.	5	2	-
Dysentery.	25	-	-
Puerperal Pyrexia.	2	-	-
Totals	421	9	-

ANALYSIS OF CASES OF NOTIFIABLE DISEASE.

Disease.	Under 1	1 - 2	3 - 4	5 - 9	10-14	15-24	25-45	45-65	65 and over.	Total.
Scarlet Fever.	-	2	5	25	2	-	-	-	-	34
Whooping Cough.	14	15	11	30	2	1	-	-	-	73
Food Poisoning.	-	1	2	-	-	1	3	-	-	7
Meningococcal Infection.	1	-	-	1	-	1	-	-	-	3
Measles.	13	79	96	70	10	2	2	-	-	272
Pneumonia.	-	1	-	-	-	-	-	1	3	5
Dysentery.	1	6	7	7	-	1	3	-	-	25
Puerperal Pyrexia.	-	-	-	-	-	-	2	-	-	2
Totals.	29	104	121	133	14	6	10	1	3	421

DEATHS PER MONTH IN EACH PARISH.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
ALLEXTON	-	-	-	-	-	-	-	-	-	-	-	-
BILLESDON	-	-	-	-	-	-	-	1	-	1	-	2
BURTON OVERY	1	-	-	-	1	-	1	1	-	-	1	1
CARLTON CURLIEU	-	-	-	-	-	-	-	-	-	-	-	-
COLD NEWTON	-	-	-	-	-	-	-	-	-	-	-	-
EAST NORTON	-	-	-	1	-	-	-	1	-	-	-	1
FRISBY	-	-	-	-	-	-	-	-	-	-	-	-
GALBY	-	-	-	1	-	-	-	-	-	-	-	-
GOADBY	-	-	-	-	-	-	-	-	-	-	-	-
GREAT GLEN	3	1	2	2	-	-	-	-	1	1	1	-
GREAT STRETTON	-	-	-	1	-	1	1	-	-	-	-	3
HOUGHTON/HILL	-	-	-	-	-	1	-	1	-	1	-	-
HUNGARTON	-	1	-	-	-	1	-	-	-	-	-	-
ILLSTON	-	-	-	2	-	-	-	-	-	-	-	-
KEYHAM	-	-	-	-	1	-	-	-	-	-	-	-
KING'S NORTON	-	-	-	-	-	-	-	-	-	-	-	-
LAUNDE	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE STRETTON	-	-	-	-	-	-	-	-	-	-	-	-
LODDINGTON	-	-	-	-	1	-	-	-	-	-	-	-
LOWESBY	-	-	-	-	-	-	-	-	-	-	-	-
MAREFIELD	-	-	-	-	-	-	-	-	-	-	-	-
NOSELEY	-	-	-	-	-	1	-	-	-	-	-	-
OWSTON	-	-	-	-	-	-	-	-	-	-	-	-
ROLLESTON	-	-	1	-	1	-	-	-	-	-	-	-
SCRAPTOFT	6	3	4	1	-	2	-	2	4	4	4	4
SKEFFINGTON	-	-	-	-	-	-	-	-	-	-	-	-
STOUGHTON	-	-	-	-	-	-	-	-	-	-	-	-
THURNBY AND BUSHBY	3	2	1	2	5	1	1	-	-	-	-	2
TILTON	-	-	-	1	-	1	-	-	-	-	1	-
TUGBY	-	-	-	-	-	-	-	-	-	1	-	3
WHATBOROUGH	-	-	-	-	-	-	-	-	-	-	-	-
WISTOW	-	1	-	-	-	-	-	-	-	-	-	-
WITHCOTE	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	13	8	8	11	9	8	3	6	5	8	7	16

TOTAL DEATHS, 1958.

CAUSES OF DEATH.	Male	Female
Tuberculosis, respiratory.	1	-
Tuberculosis, other.	-	-
Syphilitic disease.	-	-
Diphtheria.	-	-
Whooping Cough.	-	-
Meningococcal infection.	-	-
Acute Poliomyelitis.	-	-
Measles.	-	-
Other Infective and parasitic diseases.	-	-
Malignant neoplasm, stomach.	1	-
Malignant neoplasm, lung bronchus.	-	2
Malignant neoplasm, breast.	-	1
Malignant neoplasm, uterus.	-	1
Other malignant and lymphatic neoplasms.	2	2
Leukaemia, aleukaemia.	-	-
Diabetes.	1	1
Vascular lesions of nervous system.	4	8
Coronary disease, angina.	8	8
Hypertension with heart disease.	3	-
Other heart disease.	11	6
Other circulatory disease.	5	2
Influenza.	1	-
Pneumonia.	6	2
Bronchitis.	2	1
Other diseases of respiratory system.	1	1
Ulcer of stomach and duodenum.	2	-
Gastritis, enteritis and diarrhoea.	-	-
Nephritis and nephrosis.	1	-
Hyperplasia of prostate.	-	-
Pregnancy, childbirth, abortion.	-	-
Congenital malformations.	1	1
Other defined and ill-defined diseases.	6	3
Motor vehicle accidents.	3	-
All other accidents.	1	2
Suicide.	1	-
 All Causes.	 61	 41

Below is an analysis of the deaths from malignant diseases according to age groups. No information is available as to the incidence of cancer in any particular occupation :

Deaths from Cancer, 1958.

Age Group.	Male.	Female.
0.	-	-
1.	-	-
5.	-	-
15.	-	-
25.	-	1
35.	-	1
45.	-	1
55.	2	1
65 & over.	1	2
Totals	3	6

Prevention of Blindness.

No notifications of Ophthalmia Neonatorum were received during 1958.

Tuberculosis.

No action was taken in 1958 under the Public Health (Prevention of Tuberculosis) Regulations, 1925 or under Section 172 of the Public Health Act, 1936.

Overleaf is a table of the new cases of tuberculosis reported during the year.

NEW CASES.

AGE GROUPS.	PULMONARY.		NON-PULMONARY.		TOTALS.	
	M.	F.	M.	F.	M.	F.
0.						
1.						
5.			1*		1	
15.	1*	1*			1	1
20.		1*	1*		1	1
25.	1*	2*			1	2
35.	1	2*			1	2
45.	1*		1*		2	
65 & over.						
Totals.	4	6	3	-	7	6

* Transfers from other areas.

It will be noted that of these 13 new cases in the district, only 1 male was actually resident in the district when the disease was contracted.

GENERAL REPORT OF STATISTICAL INFORMATION

1958	1957	1956	1955	1954	1953	Estimated General's Estimated Mid-Year Population
15,360	15,810	15,230	10,210	8,480	7,669	

18,000	Estimated Population at 1st, December, 1958.
49,714	Age (ages)
34	Persons per acre (based on mid-year figure)
20.17	Actual Births per 1,000 population
9.23	Actual Deaths per 1,000 population
423	Births : Males - 222 Females - 201
105	Deaths : Males - 61 Females - 44
321	Excess of Births over Deaths
65	Infant Mortality Rate per 1,000 population
211	Other Mortality Rate per 1,000 population
5	Crude Birth Rate per 1,000 population
4	Crude Death Rate per 1,000 population

I have the honor to be,

Very obedient servant,

JOHN YOUNG,

Medical Officer of Health.

1 9 5 8

ANNUAL REPORT

of the

SURVEYOR AND CHIEF PUBLIC HEALTH INSPECTOR.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Report for the year 1958, which once again indicates, by reference to the table on page 9 that most of the work in the field has been in connection with building supervision, drainage, sewage disposal, improvement grants and the maintenance of the Council's property. Some progress has been made in the improvement of housing conditions and the grants continue to provide for the improvement of many substandard houses. Four houses have been demolished, three following the service of demolition orders under the provisions of the Housing Act, and one pulled down voluntarily by the owner. Informal steps have continued to be used to secure the repair of insanitary houses.

A very brief but potent Act which came on to the Statute Book is the Litter Act, 1958. This states that if any person throws down, drops, or otherwise deposits, and leaves anything whatsoever in such circumstances as to cause, contribute to or tend to lead to the defacement by litter of any place in the open air, is guilty of an offence punishable by a fine of up to £10.

Included in the bodies which have power to institute proceedings are County Councils, District Councils and Parish Councils.

The following tables give details of the number of Planning and Byelaw Applications which have been received and dealt with during the year. In this respect, no account has been taken of the re-submission of amended plans received in connection with some of the larger proposals.

Full applications.

Applications in Principle.

	Number Received.	Number Withdrawn.	Refused.	Appeals.	Permitted.	No. of Buildings Involved.	Number Received.	Number Withdrawn.	Refused.	Permitted.	Appeals.
Allextton.	1	-	1	-	-	1	-	-	-	-	-
Billesdon.	10	-	-	-	10	12	1	-	-	1	-
Burton Overy.	5	-	-	-	5	6	2	-	-	2	-
Carlton Curlieu.	-	-	-	-	-	-	-	-	-	-	-
Cold Newton.	1	-	-	-	1	1	-	-	-	-	-
East Norton.	-	-	-	-	-	-	-	-	-	-	-
Frisby.	1	-	-	-	1	1	-	-	-	-	-
Galby.	2	-	-	-	2	2	2	-	-	2	-
Goadby.	-	-	-	-	-	-	-	-	-	-	-
Great Glen.	20	1	2	-	17	25	6	1	-	3	-
Great Stretton.	-	-	-	-	-	-	-	-	-	-	-
Houghton/Hill.	12	-	-	-	12	13	1	-	-	1	-
Hungarton.	1	-	-	-	1	1	1	-	-	1	-
Illston.	1	-	-	-	1	1	-	-	-	-	-
Keyham.	-	-	-	-	-	-	-	-	-	-	-
King's Norton.	-	-	-	-	-	-	-	-	-	-	-
Launde.	-	-	-	-	-	-	-	-	-	-	-
Little Stretton.	-	-	-	-	-	-	-	-	-	-	-
Loddington.	1	-	-	-	1	1	-	-	-	-	-
Lowesby.	-	-	-	-	-	-	-	-	-	-	-
Marefield.	-	-	-	-	-	-	-	-	-	-	-
Noseley.	-	-	-	-	-	-	-	-	-	-	-
Owston.	-	-	-	-	-	-	-	-	-	-	-
Rolleston.	-	-	-	-	-	-	-	-	-	-	-
Scraptoft.	18	-	-	-	18	33	1	-	1	-	-
Skeffington.	2	-	-	-	2	3	-	-	-	-	-
Stoughton.	-	-	-	-	-	-	2	-	-	1	-
Thurnby & Bushby.	24	-	2	1	22	75	6	1	2	3	-
Tilton.	3	-	-	-	3	3	-	-	-	-	-
Tugby.	-	-	-	-	-	-	2	-	1	1	-
Whatborough.	2	-	-	-	2	2	-	-	-	-	-
Wistow.	2	-	-	-	2	2	-	-	-	-	-
Withcote.	-	-	-	-	-	-	-	-	-	-	-
Totals.	106	1	5	1	100	182	24	2	4	15	-

The following is a summary of the plans deposited in accordance with the
Building Byelaws :

	No. of plans Deposited.	No. Refused.	Appv'd.	No. of Buildings Involved			
				Houses.	Addns. & Alts.	Other Bldgs.	Total.
Allexton.	-	-	-	-	-	-	-
Billesdon.	19	1	18	3	11	8	22
Burton Overy.	12	-	12	1	4	8	13
Carlton Curlieu.	1	-	1	-	3	-	3
Cold Newton.	1	-	1	-	-	1	1
East Norton.	-	-	-	-	-	-	-
Frisby.	1	-	1	-	-	1	1
Galby.	2	-	2	-	1	2	3
Goadby.	-	-	-	-	-	-	-
Great Glen.	26	3	23	8	4	18	30
Great Stretton.	-	-	-	-	-	-	-
Houghton/Hill.	17	-	17	3	8	9	20
Hungarton.	1	-	1	-	-	1	1
Illston.	6	-	6	-	7	1	8
Keyham.	1	-	1	-	-	1	1
King's Norton.	-	-	-	-	-	-	-
Launde.	2	-	2	-	2	-	2
Little Stretton.	3	1	2	-	1	3	4
Loddington.	4	-	4	-	3	1	4
Lowesby.	1	-	1	-	-	1	1
Marefield.	2	-	2	-	1	1	2
Noseley.	-	-	-	-	-	-	-
Owston.	1	-	1	-	1	-	1
Rolleston.	1	-	1	-	-	2	2
Scraptoft.	50	3	50	23	5	37	65
Skeffington.	5	1	4	1	2	3	6
Stoughton.	2	-	2	-	2	-	2
Thurnby & Bushby.	55	2	53	80	5	44	129
Tilton.	8	1	7	1	3	4	8
Tugby.	2	-	2	-	-	2	2
Whatborough.	2	-	2	-	-	3	3
Wistow.	3	-	3	-	3	-	3
Withcoote.	-	-	-	-	-	-	-
Totals	228	9	219	120	66	151	337

9 Refusals were issued under the Planning Acts and 9 plans were rejected under the Building Byelaws.

WATER SUPPLY.

The River Dove water main is well on its way to the Whatborough reservoir which is also nearing completion at the end of the year and the target of having a supply available from this source by the end of 1959 is likely to be achieved.

The whole of this Council's statutory area of supply was taken over by the City of Leicester Water Department in October, 1958, and this Council will no longer be responsible for the day to day administration of the water undertaking in those villages previously supplied from the Council's mains.

A total of 25 samples were submitted for examination with the following results :

Bacteriological Examination.

Type of Water	No. of Samples.	Results	
		Unsatisfactory.	Satisfactory.
Main	1	-	1
Raw	24	14	10

Chemical Analysis

Type of Water	No. of Samples.	Results	
		Unsatisfactory.	Satisfactory.
Main	-	-	-
Raw	-	-	-

It has not been necessary to take any action in regard to water liable to plumbo solvent action.

The following table indicates particulars of water supply in relation to households :

Internal Mains Water Supply.		Mains water from external standpipes.		Supplies from Springs, wells, etc.	
No. of Dwellings.	Population. (approx)	No. of Dwellings.	Population. (approx)	No. of Dwgs.	Population. (approx)
4439	15927	27	44	642	1389

In 12 instances main water was substituted for well or spring water.

RAINFALL.

Comparative rainfall figures for recent years will be of interest and though may not be absolutely accurate as far as the Billesdon district is concerned, have been kindly supplied by Gordon J. Wootton Esq., M.I.Mun.E., M.R.S.H., Engineer and Surveyor, Wigston U.D.C.

They are as follows :

Month	1953	1954	1955	1956	1957	1958
January	1.05	1.05	1.69	4.05	1.45	2.60
February	1.28	2.42	1.61	0.77	3.56	3.23
March	1.64	1.93	2.39	0.98	2.24	1.50
April	2.18	0.40	0.95	0.95	0.21	.59
May	1.58	2.06	3.53	0.58	2.27	2.08
June	2.64	2.42	3.24	2.96	1.79	4.69
July	2.11	2.76	1.09	3.55	3.57	3.13
August	2.80	3.69	1.34	5.50	3.01	2.74
September	1.38	2.17	1.13	1.86	4.08	2.43
October	2.50	2.85	1.48	1.46	1.04	2.27
November	1.86	4.98	1.15	0.83	1.87	1.87
December	.80	2.45	2.51	3.32	2.46	2.32
Total Inches	21.82	29.18	22.11	26.81	27.55	29.45

DRAINAGE AND SEWAGE DISPOSAL.

There is a steady reduction in the number of cesspools and pail closets in the district which follows the construction of new sewage disposal works to serve the larger villages.

During the year research into the treatment of farm waste was being carried out at the Stoughton Disposal Works, and a re-circulation pump installed. Although a great measure of purification is being carried out by this works, the final effluent is still not to the desired standard, and the behaviour of this plant is being very carefully observed.

The scheme to serve Keyham has been discussed with Ministry officials in view of the rather large proportion of farm waste to be dealt with, but it is hoped during 1959 that a start may be made on this scheme.

Details of the Newton Harcourt Scheme, which is the first to be prepared wholly by your own staff, have been submitted to the Ministry of Housing and Local Government and it is expected that early in 1959 there will be a local inquiry conducted by an Engineering Inspector of the Ministry.

Main water was taken to Tugby in 1954 and in view of the gross pollution of the stream which now accepts most of the sewage from this village, the land has been surveyed and a scheme for providing a new sewerage system and a new disposal works are being prepared. This village also presents some interesting technical problems, as in addition to the farm waste already discharging into the sewers, there is a long established slaughterhouse, the wastes from which are expected to be extremely strong.

CONSERVANCY

The following figure again shows a reduction in the number of houses dependent upon pail closets and cesspools, although the true picture of sanitation is not shown as so many properties are drained into ditches in the villages not yet provided with a modern sewage disposal system.

No. of privies in the district	4
No. of pail closets in the district	389
No. of W.Cs. in the district	4719
No. of pails abolished during the year	103
No. of cesspools constructed during the year..	-
No. of cesspools abolished during the year ...	73
No. of cesspools in district	197

(These are the cesspools and other tanks
regularly serviced by the department.)

Pail closets continue to be emptied weekly and cesspools as regularly as possible with a six-weekly service as a target.

Wherever possible, owners are now persuaded to install a larger septic tank than in the past in addition to a calculated amount of sub-surface irrigation sufficient to ensure that the tank will only require to be emptied at six-monthly intervals and that new pollution to ditches and streams will be avoided.

REFUSE COLLECTION.

The increased population has again put a strain upon the refuse collection service, particularly as the labour position continues to be difficult, but only in very few instances has the period between emptying a dustbin exceeded seven days. This happening is usually associated with holiday periods and the majority of people affected are most patient, in the knowledge that everything will be done to get collection days back to normal as soon as possible.

Last year I mentioned some of the qualities expected of a dustman, and the following lists some of the difficulties with which they had to contend during 1958 :

Dogs attacking collectors	...	12
Contents of bins such as to make them obnoxious to handle.	...	45
Articles that have been left on collection days that collectors have thought to be too valuable to take away.	...	22
Articles placed on dustbins which have been moved and subsequently required back by the householder.	...	25
Bins on fire at the time of collection.	...	29

In addition to the normal refuse collection it is occasionally necessary to remove the carcase of a cat or dog found on the highway and this has been done on 16 occasions during the year.

The Warden of the Billesdon Hostel has continued his invaluable help with regard to the provision of labour, and I am indeed grateful to him for his co-operation.

Looking back through 1958, I see that no less than 48 different individuals were employed to maintain an establishment of 18. This means that during the year the labour force has been replaced $2\frac{1}{2}$ times. Very rarely does a week go by with the full complement on duty for in addition to periods when there are vacancies, there were during 1958 117 days absence due to sickness and 81 days absenteeism.

The burden of the work build up occasioned by vacancies and absenteeism invariably falls on the nucleus of reliable employees who do their utmost to maintain this service to the public.

NUMBER OF INSPECTIONS DURING THE YEAR.

Assistance Act	...	...	-
Water Sampling	...	...	17
Water Supply	...	...	103
Drainage	...	...	595
Sewage Disposal	...	...	427
Closet Conversions	...	...	52
Refuse Disposal	...	...	203
Stables and Piggeries	...	...	4
Animals kept as to be a nuisance	...	...	9
Moveable dwellings	...	...	12
Factories - with power	...	...	-
Factories - non power	...	...	-
Workplaces	...	...	-
Outworkers	...	...	54
Shops Act	...	...	1
Rodent Control	...	...	46
Hairdressers	...	...	-
Petroleum Stores	...	...	14
Building Byelaws	...	...	939
Streams and Brooks	...	...	24
Rights of Way	...	...	16
Planning	...	...	92
Miscellaneous	...	...	335

HOUSING.

Initial Inspections - P.H.Act.	...	...	7
Revisits	...	...	115
Initial Inspections - Housing Act	...	...	43
Revisits	...	...	68
Initial Inspections - Filthy and Verminous Premises			7
Revisits	...	...	2
Visits - Council Cottages	...	...	1045
Improvement Grants	...	...	238
Miscellaneous	...	...	31

INFECTIOUS DISEASE.

Visits for Disinfection	...	...	2
Other Visits	...	...	231

FOOD PREMISES.

Slaughter Houses	...	...	256
Butchers	...	...	11
Fishmongers	...	...	-
Bakehouses	...	...	1
Dairies	...	...	-
Visits to collect Milk Samples	...	...	32
Restaurants and Cafes	...	...	1
Ice Cream Premises	...	...	22
Licensed Premises	...	...	3
Grocers and Confectioners	...	...	6
Hospital Kitchens	...	...	-
Other Food Premises	...	...	4
Miscellaneous	...	...	46

5114.

FACTORIES ACTS, 1937 and 1948.

PART I OF THE ACT.

1. Inspections made by Public Health Inspector for the purposes of provisions as to health :

Premises.	Number on Register.	Number of		Occupiers Prosecuted
		Inspections.	Written Notices.	
1. Factories in which sections 1, 2, 3, 4, & 6 are to be enforced by local authorities.	22	-	-	-
11. Factories not included in (1) in which Sec. 7 is enforced by local authority.	17	-	-	-
111. Other premises in which Sec. 7 is enforced by local authority (excluding out-workers premises.)	26	-	-	-
Totals	65	-	-	-

2. Cases in which defects were found :

Particulars.	Number of cases in which defects were found.			No. of cases in which prosecutions were instituted.
	Found.	Remedied.	Referred To H.M. Inspector. | by H.M.	
Want of cleanliness -	-	-	-	-
Overcrowding -	-	-	-	-
Unreasonable temperature -	-	-	-	-
Inadequate ventilation -	-	-	-	-
Ineffective drainage -	-	-	-	-
Sanitary conveniences:				
(a) Insufficient -	-	-	-	-
(b) Unsuitable or defective -	-	-	-	-
(c) Not separate for sexes -	-	-	-	-
Other offences against the Act -	-	-	-	-
Totals -	-	-	-	-

3. Outwork.

Nature of Work.	No. of Outworkers in August list required by Sec. 110(1)(c)
Wearing Apparel (making etc.)	123

HOUSING.

No further villages have been completely surveyed during the year, but the defects discovered during the survey of Burton Overy have been receiving attention, and the owners are proceeding with the necessary repairs. In all, 31 houses which were in some respects unfit for human habitation have been repaired during the year.

The following table summarises some of the principal defects which have been remedied following informal action :

New drains provided or drains reconstructed ...	28
House drains cleansed or repaired ...	6
Dampness remedied ...	28
Roofs repaired ...	27
Gutters and rainwater pipes repaired...	27
Floors and staircases repaired ...	24
Walls and ceilings repaired ...	29
Windows and doors repaired ...	15
Yards paved ...	14
Grates and ranges repaired or renewed..	24
Sash lines repaired ...	5

HOUSES IN CLEARANCE AREAS & UNFIT HOUSES ELSEWHERE.

A. HOUSES DEMOLISHED. In Clearance Areas	HOUSES DEMOLISHED.	DISPLACED DURING YEAR	
		PERSONS	FAMILIES
(1) Houses unfit for human habitation	-	-	-
(2) Houses included by reason of bad arrangement, etc.	-	-	-
(3) Houses on land acquired under Section 43(2) Housing Act, 1957	-	-	-
Not in Clearance Areas			
(4) As a result of formal or informal procedure under Section 17(1) Housing Act, 1957	4	9	6
(5) Local Authority owned houses certified unfit by the Medical Officer of Health	-	-	-
(6) Houses unfit for human habitation where action has been taken under local Acts.	-	-	-
(7) Unfit houses included in Unfitness Orders	-	-	-
B. UNFIT HOUSES CLOSED	Number		
(8) Under sections 16(4), 17(1) and 35 (1) Housing Act, 1957	-	-	-
(9) Under Sections 17(3) and 26 Housing Act, 1957	-	-	-
(10) Parts of buildings closed under Section 18, Housing Act, 1957.	-	-	-

C. UNFIT HOUSES MADE FIT AND HOUSES IN WHICH DEFECTS WERE REMEDIED

	By Owner.	By Local Authority.
(11) After informal action by local authority	31	-
(12) After formal notice under (a) Public Health Acts (b) Sections 9 and 16 Housing Act, 1957.	-	-
(13) Under Section 24 Housing Act, 1957 -11-	-	-

D. UNFIT HOUSES IN TEMPORARY USE (Housing Act, 1957)

Position at end of year	Number of Houses	Number of separate dwellings contained in column (1)
	(1)	(2)
(14) Retained for temporary accommodation		
(a) under Section 48	-	-
(b) under Section 17 (2)	-	-
(c) under Section 46	-	-
(15) Licensed for temporary occupation under Sections 34 or 53	-	-

E. PURCHASE OF HOUSES BY AGREEMENT

	Number of Houses.	Number of Occupants of houses in column (1)
(16) H -11-	(1)	(2)
(16) Houses in Clearance Areas other than those included in confirmed Clearance Orders or Compulsory Purchase Orders purchased in the year.	-	-

IMPROVEMENT GRANTS.

It was not until 1954 that the Council commenced making Improvement Grants but during the five years up to the end of 1958, there has been a steady interest on the part of the property owners with a desire to rejuvenate old but structurally sound property as is shown by the following table :

Year	No. of Appns.	Approved.	Disapproved.	Total amount of Grant approved. £	Average Grant. £
1954	11	11	-	2143	195
1955	27	24	3	5967	248
1956	35	34	1	9573	281
1957	31	31	-	7868	241
1958	20	19	1	4459	235
Totals	124	119	5	30,010	-

The high percentage of approvals is accounted for by the careful investigation of each scheme before the application is submitted for Grant.

The 20 applications during 1958 have related to properties in the undermentioned parishes :

Parish	No. of Appns.	Approved.	Disapproved.	Amount of Grants Approved. £
Billesdon	3	3	-	358
Carlton Curlieu	2	2	-	472
Galby	1	1	-	400
Goadby	1	1	-	400
Great Glen	2	2	-	351
Houghton	4	4	-	736
Illston	3	3	-	660
Loddington	2	2	-	682
Thurnby	1	-	1*	-
Wistow	1	1	-	400
Totals	20	19	1*	4459

* Scheme considered to be inadequate.

There has been much national comment that the scheme for Improvement Grants has not benefited the right type of property. However, in this district the majority of houses accorded an Improvement Grant have been let to tenants, usually engaged in agriculture.

No. of Grants.		Type of Property to which Grant Relates.	
		Owner/Occupier.	Let on Tenancy.
1954	11	2	9
1955	24	4	20
1956	34	10	24
1957	31	8	23
1958	19	6	13
Totals	119	30	89

COUNCIL HOUSES.

The Council now own 270 houses, including old properties purchased and improved and every attempt to make the properties a credit to this authority is pursued by way of maintaining the estates, regular repainting and careful attention to essential repairs, particularly as the saying "a stitch in time saves nine" is very true where repairs are concerned.

COUNCIL HOUSE REPAIRS UNDERTAKEN DURING 1958.

Repairing overflows, adjusting & repairing ball valves ...	34
Repairing stop cocks	5
Repairing hot water cisterns, etc.	4
Repairing boilers	18
Renewing boilers	1
Repairing joints to W.C.Pans.	17
Repairing leaking pipes	13
Renewing W.C.Pans.	11
Renewing W.C.Seats.	10
Renewing sinks and washbasins.	1
Repairing sinks and washbasins. ..	7
External plumbing repairs.	20
Repairing stoves and grates.	37
Repairing tiled surrounds.	12
Repairing roofs.	30
" windows.	21
" locks and door furniture.	34
" fences and gates.	36
" paths.	16
" coppers.	1
" walls and ceilings.	11
" doors.	3
" electric fittings.	56
" roofs to outbuildings.	9
" floors.	2
Renewing dustbins.	20
" electric coppers.	6
" gas "	8
" firebars.	62
Repairing rotary pumps.	6
Rewashing taps.	4
Renewing draining boards.	10
" flushing cisterns.	3
Maintenance of outside fixtures.	10
Total items of repair carried out ...	<u>538</u>
Average no. of repair items per house	<u>2.</u>

MEAT INSPECTION.

There has been an increase in the number of animals slaughtered in the district during the year under review. Of the 1007 animals processed only 1 beast, 2 pigs and 3 sheep were not inspected, these animals having been slaughtered at one slaughterhouse in February when drifting snow on the roads prevented a visit being made.

	Beasts inc. Calves.	Sheep & Lambs.	Pigs.
Number killed	123	720	164
Number Inspected	122	717	162
<u>All disease except tuberculosis</u>			
(a) Whole carcasses condemned	-	7	-
(b) Carcasses of which some part or organ was condemned	3	13	2
(c) Percentage of number inspected affected with disease other than T.B.	2.5	2.8	1.2
<u>Tuberculosis Only</u>			
(a) Whole carcasses condemned	-	-	1
(b) Carcasses of which some part or organ was condemned	2	-	2
(c) Percentage of number inspected affected with T.B.	1.6	-	1.8
<u>Cysticercus</u>			
(a) Carcasses of which some part or organ was condemned	-	-	-
(b) Carcasses submitted to treatment by refrigeration	-	-	-
(c) Generalised & totally condemned	-	-	-

The low incidence of disease found in the processed meat is indicative of the high quality of animals slaughtered.

The weight of meat and offal found to be unfit for human consumption surrendered to the department was 829 lbs., built up as follows :

- (a) 90 lbs. from 9 animals out of the 972 processed by the two butchers concerned;
- (b) 519 lbs. from 20 of the 34 animals accepted for emergency slaughter by way of farm and road accidents and ailments;
- (c) 220 lbs. comprising the entire carcass and organs of a smallholder's pig affected with generalised tuberculosis.

The remaining sound meat from emergency slaughtered animals was taken to a firm in Leicester who manufacture made up meat stuffs.

MILK AND DAIRIES.

Particulars of the results of biological samples taken are shown below :

Number of Bulk Samples taken.	Results of Biological Examination		
	Satisfactory.	Evidence of living tubercle bacilli	Evidence of Brucella Abortus
14	14	-	-

Bacteriological Milk Sampling

Class	No. of Samples	Satisfactory	Unsatisfactory
Tuberculin Tested	11	7	4 (inc. 3 void)
Pasteurised	4	4	-
Sterilised	2	2	-
Undesignated	2	1	1

Milk(Special Designation) (Pasteurised & Sterilised Milk) Regulations, 1949.

Number of licences issued during the year :

(a) Dealers :	Pasteurised	-	Sterilised	-
(b) Supplementary Licences :	Pasteurised	5	Sterilised	5

Milk(Special Designation) (Raw Milk) Regulations, 1949.

Number of licences issued during the year :

(a) Dealers :	-
(b) Supplementary :	4

ICE CREAM.

Number of Premises on Register -

(a) Manufacture and retail	-
(b) Manufacture only	-
(c) Retail only	13.

During the year 22 samples were taken and all were found to be satisfactory. The laboratory gradings were as follows :

Grade 1	-	17
Grade 2	-	5
Grade 3	-	-
Grade 4	-	-

In addition 3 iced lollys were also submitted for laboratory examination and received a satisfactory report.

THE UNIVERSITY OF CHICAGO

Department of Chemistry
Chicago, Illinois
June 10, 1954

Name		Address	
Mr. J. H. Dole		1000 North Dearborn Avenue	
Chicago, Illinois		Chicago, Illinois	

Dear Mr. Dole:

I am very pleased to hear from you and to learn that you are interested in the work of the University of Chicago. I am sure that you will find the work of the University of Chicago to be of great interest and value.

I am, very respectfully,
Yours truly,
R. M. Barrer

Enclosure

Very truly yours,
R. M. Barrer
Professor of Chemistry
University of Chicago
Chicago, Illinois

ERADICATION OF PESTS.

Very little organised survey work has been possible under the Prevention of Damage by Pests Act, 1949. Complaints have been investigated and treatments carried out whenever the Refuse Tip, sewage dykes, gave any evidence of infestation. In addition, sewers in Houghton-on-the-Hill, Scraftoft, Thurnby, Bushby, Billesdon, Burton Overly, Great Glen and Tilton were tested and slight infestations were discovered at Houghton, Thurnby and Scraftoft. These were treated successfully.

CAMP SITES AND MOVABLE DWELLINGS.

No licences for camping sites were issued during the year. A number of applications were, however, received from individuals to station and use caravans within the district, as follows :

No. of applications received	-	6
No. of licences issued	-	5
No. of applications withdrawn	-	-
No. of applications refused	-	1
No of appeals to Justices	-	-
No. of prosecutions for using a caravan without a licence	-	-

SMOKE ABATEMENT.

No action has been necessary during the year.

I wish to acknowledge the wholehearted effort and support by the staff of my department and appreciate the continued confidence and backing of the Council.

I am, Ladies and Gentlemen,

Your obedient Servant,

John W. Stephenson.

Surveyor & Chief Public Health Inspector.

INTRODUCTION

The purpose of this study is to investigate the effects of the proposed system on the performance of the system. The study is divided into two main parts: a theoretical analysis and an experimental evaluation. The theoretical analysis is based on the principles of the system and the experimental evaluation is based on the results of the experiments. The results of the experiments are presented in the following sections.

THEORETICAL ANALYSIS

The theoretical analysis is based on the principles of the system and the experimental evaluation is based on the results of the experiments. The results of the experiments are presented in the following sections.

- Theoretical analysis of the system
- Experimental evaluation of the system
- Results of the experiments
- Conclusions

EXPERIMENTAL EVALUATION

The experimental evaluation is based on the results of the experiments.

RESULTS

The results of the experiments are presented in the following sections.

1. Theoretical analysis of the system

The theoretical analysis of the system is based on the principles of the system.

The results of the experiments are presented in the following sections.

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