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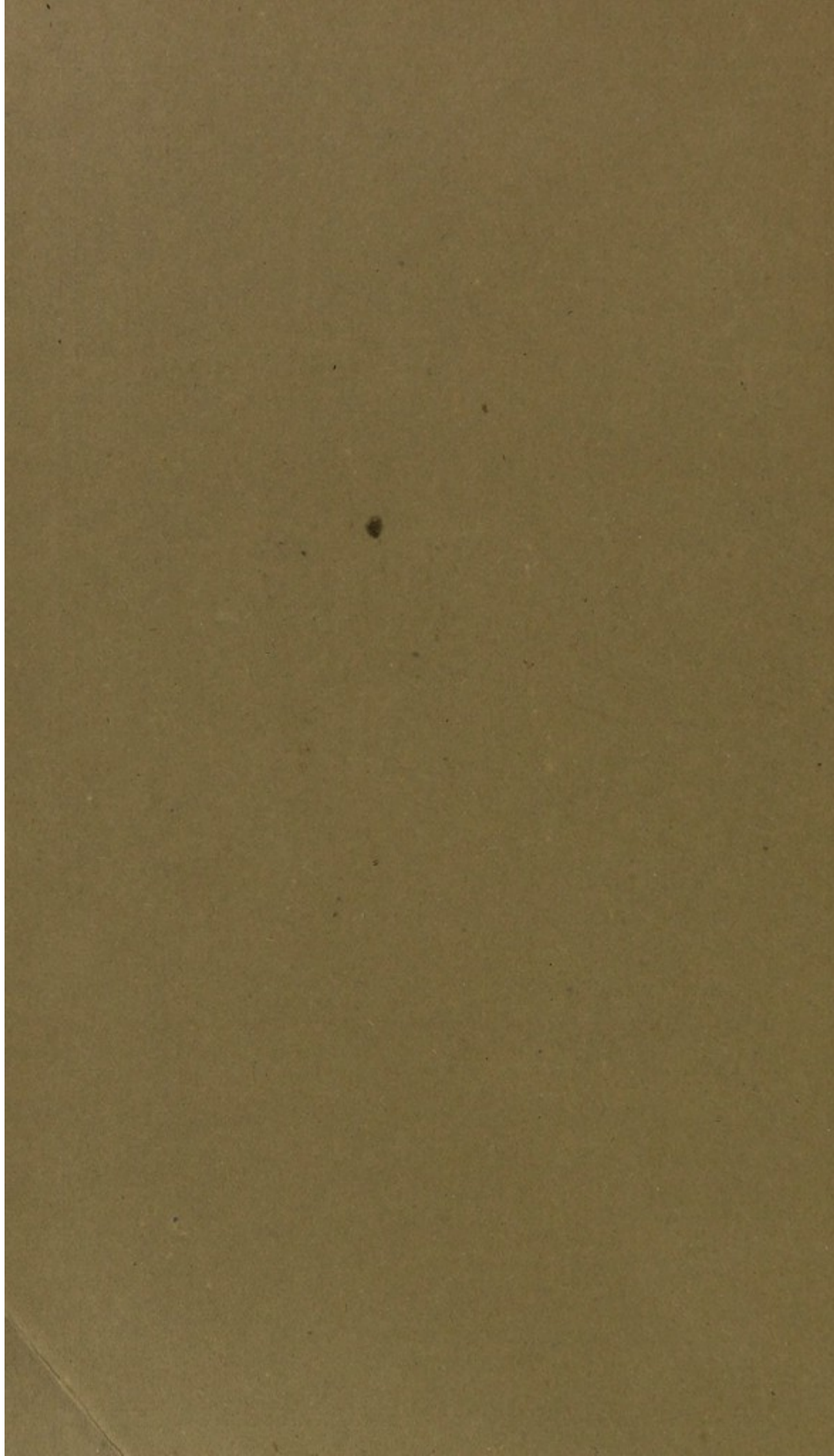
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County Borough of Derby.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE

YEAR 1921,

BY

ALBERT E. BRINDLEY, M.D., B.Sc., D.P.H., &c.,

Medical Officer of Health;

Medical Superintendent of the Borough Isolation Hospital, and

Medical Officer to the Education Committee.

DERBY:

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County Borough of Dorchester

ANNUAL REPORT

MEDICAL OFFICER OF HEALTH

YEAR 1931

ALBERT E. BRIDGES, M.D., F.R.C.S., D.P.H.

Printed and Published by the County Borough of Dorchester

By Order of the Council, the Medical Officer of Health

County Borough of Derby.

Health Committee.

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COUNCILLOR G. INNES, CHAIRMAN.

COUNCILLOR A. H. DOMLEO, DEPUTY-CHAIRMAN.

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"	COLLIS.	"	SOUTHERN.
"	HOARE.	"	STOTT.
"	NEWBOLD.		

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"	FRED PORTER.	MISS	LONGDON.*
"	HAROLD SMITH.	"	MRS. WARDEN.*

* Co-opted Members

PUBLIC HEALTH DEPARTMENT,
FORD STREET,

August, 1922.

*TO THE CHAIRMAN AND MEMBERS OF THE HEALTH
COMMITTEE OF THE COUNTY BOROUGH OF DERBY.*

MR. CHAIRMAN, AND GENTLEMEN,

I beg to submit for your consideration the Annual Report on the health of the Borough of Derby for the year 1921, this being the 44th Annual Report of your Medical Officer of Health. A certain amount of delay in producing the Report has been due to the fire in the Health Office, which took place on April 8th, 1922, the result of which was to restrict the already scanty accommodation, and increase the difficulties of working the Department.

With regard to the Report itself this is curtailed very considerably. The Ministry of Health now requires Annual Reports of a full and detailed character ("Survey" Reports) at intervals of not more than five years. In the intervals Annual Reports of a more simple character only will be required, such as the one now presented.

The statistics for the year are again, on the whole, satisfactory, the infantile-mortality being the lowest recorded, and the general death-rate the third lowest, being only a decimal higher than the year 1910 (11.3 as compared with 11.01). The maternal mortality-rate of (barely) two per 1,000 births might also be considered satisfactory; nevertheless the loss of six valuable lives is to be deplored especially in a town like Derby with so much medical, surgical, and specialist skill available and accessible.

With regard to Infectious Diseases, it is satisfactory to report: (a) a smaller number of notifications of Ophthalmia Neonatorum (although these cases were much too numerous); (b) a smaller number of deaths from Diphtheria; and (c) that the deaths from Measles were comparatively few in number. Amongst the most remarkable and satisfactory results, however, was the relatively small number of deaths from Infantile Diarrhoea in an exceptionally hot and dry summer such as that of 1921.

Among the unsatisfactory features of the records may be mentioned the increase in the number of deaths respectively from Cancer, Heart Disease, and Pneumonia; there have also been more deaths from Scarlet Fever than usual in recent years, and Enteric

Fever showed some increased prevalence. The number of deaths from Cancer is the highest recorded, being more than double the number registered twenty years ago. "One craves, then, for some method which will effectively prevent those sources of irritation, of ill-health, of mental depression, of depressing surroundings, of infective diseases, of evil habits, of defects in food or water, or of drainage, or of climate, which pave the way for Cancer, and one hopes that continuous and skilled observation may tell us what preventive measures may be most useful."*

In March of the year a special enquiry was made as to the presence of Japanese shaving brushes in the Borough and the risks of anthrax infection from this source.

In October 25 cases of Food Poisoning occurred in the Borough; also cases were reported in Belper, in Heage, and in Melbourne at the same time, and from food purchased at the same shop as the Derby cases. Fortunately no death resulted in any of these places. My opinion is that there will always be a risk of these outbreaks arising, even in connection with the best-managed establishments, unless the making of pork-pies, sausages, &c., is carried on in buildings quite detached from slaughter-houses and from buildings wherein the process of gut-cleaning is carried on.

During the year numerous letters were received at the Health Office with regard to housing accommodation from correspondents who were living in very unsatisfactory conditions in this respect, and who were unable to obtain more suitable quarters. More houses are therefore still needed for our inhabitants. A reference to the body of the Report will show the great amount of work carried out by the Chief Sanitary Inspector and his Staff in endeavours to make existing houses in "all respects reasonably fit for human habitation," and the results achieved.

The work of the Department has again been carried out under difficulties owing to lack of accommodation; the overcrowding of the Health Office, the School Clinics, and the Infectious Diseases Hospital militating against satisfactory work.

The Maternity and Child Welfare Branch of the Department has progressed in a very satisfactory manner, especially the in-

*A. Charles, F.R.C.S.I., and J. C. McWalter, M.D., LL.D., *Journal of State Medicine*, February, 1921.

creased work of the Ante-Natal Clinics. The Municipal Home for Babies was closed at the end of the year, as it seemed to have outlived its necessity, imposed mainly by war conditions and their aftermath. The need of a new Welcome in the Cotton Lane District has been felt for some time, and negotiations were in progress at the end of the year for the establishment of an additional Municipal Welcome for that area.

It is satisfactory to record that there has not been any alteration of importance in the personnel of the Staff of the Health Department, with the exception of the loss of Miss Mitchell, Matron at the Isolation Hospital. Miss Mitchell had filled the post of Matron for seven years with marked ability, especially during the troublous times of the war, and her departure was a very great loss both to the Isolation Hospital and Sanatorium, and to the Health Department generally.

Mention may be made also of the improvement in the Cleansing Department of the Borough, both in the scavenging of the streets and removal of refuse, although it is not suggested that further improvements will not be made. Active steps have been taken to provide houses in the Borough with galvanised iron dust bins of a standard pattern and very great progress has been made in this direction. It does not, however, seem to be realised in some quarters that it is not possible to carry out this desirable reform in a few short months, considering the many thousands of ash-bins required.

The Health Department has been again indebted very greatly to the voluntary helpers who have assisted at the Welfare Centres, and to Miss Longdon and the Society of Friends for the continued use of St. Helen's Street Meeting House. To the Staff of the Department I am again indebted for the invaluable help and assistance, and to every Member of the Committee I have to express my appreciation of their kindly help, courtesy, and consideration.

I am,

Gentlemen,

Yours obediently,

ALBERT E. BRINDLEY,

Medical Officer of Health.

STATISTICAL SUMMARY.

Area of Borough	5,272 Acres
Elevation above sea level—	highest, Burton Road, 325ft.
	lowest, The Siddals, 142 ft.
	Market Place 157 ft.) mean.
Population at Census, 1911	{ Males .. 59,999 } .. 123,410
	{ Females .. 63,411 }
Number of persons per acre at Census, 1911	23·4
Number of Houses in Borough { inhabited 27,405 .. }	28,811
at Census, 1911 { uninhabited 1,406 .. }	
Number of persons per House at Census, 1911	4·34
” ” ” ” 1921	4·42
Annual Rateable Value { for District purposes ... }	£568,624
1921 { for Poor Rate purposes ... }	£592,811
Sum represented by a penny Rate	£2,250
Estimated population for 1921	131,800
Number of inhabited Houses (1921)	29,346
Number of families or separate occupiers (1921)	30,696
*Number of Houses constructed during 1921	20

* Exclusive of houses built by Corporation.

1921.

Marriages (Information refused by local Superintendent Registrar).

						Rate per 1,000 population	
						Number.	
						Males.	Females.
						Total	
Births (Registered) :—							
(Legitimate)		...	...	1,480	1,400	2,880	} 22·8
(Illegitimate)		...	...	68	62	130	
Births (Notified)		...	...	...	2,905	...	22·04
Deaths		...	{ Males	...	761	} 1,488	... 11·3
			{ Females	...	727		
Excess of Births registered over Deaths					1,522		

DEATHS :—

Zymotic Diseases	77	0·6
Pulmonary Tuberculosis	104	0·79
Other Tuberculous Diseases	20	0·15
Respiratory Diseases	272	2·1

Under 1 year of age—							
Legitimate	...	...	191	} 207	65.28	} 68.7	
Illegitimate	...	...	16		123.08		
						per 1,000 births.	
Number of Women dying in, or in consequence of Childbirth				}	From Sepsis	...	3
					From other causes	...	3
Deaths from Measles (all ages)				...	...	...	3
„	Whooping Cough (all ages)				...	...	18
„	Diarrhoea (under 2 years of age)				...	...	31

DEATHS :—						Rate per 1,000 population.
England and Wales 12.1, 96 great towns (including						
London)						12.3
148 smaller towns						11.3
London						12.4

BIRTHS.

Birth-rate, 1921 22.8

The Births registered during the year numbered 3,010 (348 less than the registered births of 1920), 2,905 births were notified.

						Percentage.
Number of Births attended by Midwives		...	1943	...	66.9	
Number of Births attended by Doctors		...	400	...	13.8	
Number of Births attended in Institutions—						
Residents		...	...	...	443	15.2
Non-residents		...	...	...	119	4.1
						2905

DEATHS.

Death-rate, 1921 11.3

The total number of Deaths registered during the year was 1,624, as compared with 1,546 in 1920; of these 1,624 deaths, 162 were strangers, and there were 26 deaths of Derby residents registered outside the Borough, making a net total of 1,488. The net death-rate therefore from all causes was 11.3, as compared with 10.8 in 1920. The net death-rate for 1921 was the third lowest recorded.

Principal Causes of Death, 1921, COMPARISON WITH 1920.

	<i>Deaths in 1921.</i>	<i>Increase.</i>	<i>Decrease.</i>
Bronchitis	153	...	13
Heart Disease	181	29	...
Cancer	170	37	...
*Premature Birth	97	...	32
Old Age	114	1	...
Pulmonary Tuberculosis ...	104	1	...
Apoplexy and Cerebral Hæmorrhage	72	...	18
Pneumonia	96	20	...
Violence Causes (including Suicide)	43	...	2
Nephritis and Bright's Disease	48	14	...
Diarrhœa	31	14	...
Influenza	31	19	...
Other Respiratory Diseases ...	23	12	...
Other Tuberculous Diseases ...	11	1	...
Diphtheria	9	...	1
Measles	3	...	6
Cirrhosis of Liver and Alcoholism	7	...	...
Scarlet Fever	10	4	...
Meningitis	6	1	...
Whooping Cough	18	17	...
Enteric Fever	6	5	...

*Including Congenital Defects, and Atrophy, Debility and Marasmus.

Inquests held during 1921.—These numbered 124, 75 males and 49 females.

Mortuary.—Dead bodies received during the year, 10. Post mortem examinations, 3.

Infantile Mortality.—Of the 207 deaths of babies under the age of one year, nearly one-half (or 92) occurred during the first month, and of the 92 more than half (viz., 55) took place during the first week of life.

Influence of Feeding.—The total number of babies who have been under the observation of the Health Visitors from January, 1908, to December, 1920, was 34,462. Of these 76·7% were wholly breast-fed during the first three months of life, 6·8% were wholly hand-fed, and 16·5% were partly reared by hand and partly by

natural means. The infantile mortality, or death-rate per 1,000 births, among children wholly breast-fed was 38.4, among the hand-fed it was 158.5, and among those mixed-fed 132.3. The evidence, then, in favour of the breast-feeding of infants, especially during the early months of life, is very great indeed.

Excessive Mortality during the Year.—The most pronounced increase in the number of deaths during 1921 was seen in the number attributed to Cancer, viz., 170, this number being 33 in excess of the highest number previously recorded, viz., in 1919, and more than double that of the year 1901. The average mortality in the quinquennium, 1901-5, was 81.6, while that of the quinquennium, 1917-21, was 138. The number of deaths from Heart Disease showed an increase of 29 over that of 1920, while the deaths from Pneumonia show an increase of 20.

Notifiable Diseases during the Year.

DISEASE.				<i>Total Cases Notified</i>	<i>Cases admitted to Hospital.</i>	<i>Total Deaths.</i>
Diphtheria	...	...	...	223	146	9
Scarlet Fever	...	...	...	640	421	10
Enteric Fever (including Paratyphoid)	...	...	...	14	5	6
Puerperal Fever	...	...	...	14	3	1
Pneumonia	...	...	...	414	...	96
Erysipelas	...	...	...	66	...	4
Cerebro-Spinal Fever	...	...	...	2	1	1
Poliomyelitis	...	...	...	1	1	...
Encephalitis Lethargica	...	...	...	6	5	1
Polio-Encephalitis	...	...	...	1	...	...
Malaria	...	...	...	6	...	...
Ophthalmia Neonatorum	...	...	...	111	1	...
Measles and German Measles	...	...	...	103	5	3
Chicken Pox	...	...	...	215	...	1
Tuberculosis—						
Pulmonary	Males	...	...	191	66	63
	Females	...	...	91	48	41
	Total	...	...	282	114	104
Non- Pulmonary	Males	...	...	23	2	10
	Females	...	...	20	3	10
	Total	...	...	43	5	20

Notification of Chicken-Pox.—In view of the outbreak of an epidemic of Chicken-pox in the Borough, and owing to the prevalence of Small-pox to a serious extent in an adjacent town, on the Health Committee's recommendations the Derby Town Council resolved at their meeting on July 27th to (1) make an Order that the provisions of the Infectious Disease (Notification) Act, 1899, shall apply to Chicken-pox in the Borough for a period of six months, and (2) apply to the Ministry of Health for their approval of the Order. This disease accordingly became notifiable for a period of six months from August 4th. 215 cases were notified up to the end of the year, and all of them were visited either by a Medical member of the Health Staff or by a Health Visitor or School Nurse. Of these cases, it was found that no fewer than 191 (or 88·8% of the total cases notified) were unvaccinated, the fatal case (a male, 6 months) being included in this number.

Age periods and Ward distribution are shown in the table on page 12.

Sex.—There were 87 males and 128 females.

Ophthalmia Neonatorum.

<i>Cases.</i>			<i>Vision unim- paired.</i>	<i>Vision im- paired.</i>	<i>Total Blind- ness.</i>	<i>Deaths.</i>
<i>Notified.</i>	<i>Treated.</i>					
	<i>At Home.</i>	<i>In Boro' Hospital</i>				
111	110	1	97*	1*	...	...

*At the end of the year no information was obtainable regarding seven cases, as these had left the town. Two other cases were still under treatment, and four of the babies died either before the end of 1921 or early in 1922. The causes of death were respectively:—

- (a) Marasmus, Rickets, Exhaustion.
- (b) Acute Lobar Pneumonia.
- (c) Acute Broncho Pneumonia.
- (d) Epidemic Enteritis.

The number of cases notified was 22 less than those of 1920.

COUNTY BOROUGH OF DERBY.

Cases of Infectious Disease Notified during the Year 1921.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.													TOTAL CASES NOTIFIED IN EACH LOCALITY.												Total Cases re- moved to Hospital.							
	At Ages—Years.													Abbey.	Arboretum.	Babington.	Becket.	Bridge.	Castle.	Dale.	Derwent.	Friar Gate.	King's Mead.	Litchurch.	Markaton.		Normanton.	Osmaston.	Pear Tree.	Rowditch.			
	At all ages	Under 1.	1-2.	2-3.	3-4.	4-5.	5-10.	10-15.	15-20.	20-35.	35-45.	45-65.	65 and upwards.																				
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	223	6	4	4	7	20	83	36	21	31	7	3	1	10	16	26	8	14	5	21	22	10	12	13	12	28	12	2	146	...	...
Scarlet Fever	66	...	...	...	2	...	2	3	2	14	11	25	7	4	4	4	7	3	4	2	4	5	2	3	4	6	4	8	...	...	...
Typhus Fever	640	6	17	12	20	24	261	173	63	52	8	4	...	41	52	15	25	24	18	64	14	21	24	32	89	11	68	27	421	...	...
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Relapsing Fever	14	...	...	...	...	...	1	4	2	3	3	...	1	...	...	...	...	...	2	...	1	1	...	2	5	2	1	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	10	4	...	...	1	...	...	...	1	...	2	...	1	...	2	1	...	1	...	...	3	...	...
Cerebro-spinal Fever	14	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Poliomyelitis	2	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Encephalitis	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lethargica	6	...	...	...	...	...	...	2	1	1	1	1	...	...	1	...	...	...	...	...	1	...	...	...	...	...	2	1	1	5	...	...
Acute Polio-Encephalitis	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	414	34	56	23	18	11	58	21	26	64	35	45	23	31	22	17	34	19	28	27	25	30	18	28	26	49	26	20	2	...	...	...
Malaria	6	...	...	...	...	...	...	...	...	4	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	2	1	1	...	...	...
Dysentery
Trench Fever
Pulmonary Tuberculosis	282	...	4	...	...	...	34	24	25	72	61	54	6	14	13	25	21	9	21	19	8	14	28	18	16	21	9	27	19	...	114	...
Other forms of Tuberculosis	43	2	3	3	...	1	10	11	4	3	2	2	2	2	1	...	2	1	7	3	2	5	2	2	2	2	4	3	7	...	5	...	
Ophthalmia Neonatorum	111	111	...	...	...	...	...	...	...	...	...	...	...	9	5	1	1	6	11	5	6	15	5	17	4	4	14	2	...	1	...	...
Measles and German Measles	103	24	14	7	7	11	27	9	3	1	...	...	...	9	3	3	8	8	7	6	3	6	14	8	8	2	3	8	6	1	5	...
Chicken-pox	215	11	18	19	12	30	108	11	3	3	...	...	...	12	13	3	17	11	2	13	6	4	4	1	5	35	28	52	8	...	...	...
Totals	2141	195	116	68	66	99	586	294	151	258	134	134	40	133	130	94	124	96	106	164	52	206	136	83	124	203	132	236	112	10	707	...	

Tuberculosis Notifications—2nd January, 1921, to 31st December, 1921.

	FORM A.												FORM C.		Deaths.	
	Primary Notifications.												Total Notifi- cations (including cases previously notified).	Poor Law Institu- tions.		Sana- toria.
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and up- wards.	Total				
Pulmonary, Males ..	..	3	18	15	14	15	33	48	25	14	6	191	199	28	26	63
" Females ..	..	3	16	9	11	8	15	14	11	4	..	91	97	9	5	41
Non-Pulm. Males ..	..	5	8	5	1	1	..	1	..	1	1	23	28	1	1	10
" Females ..	2	2	2	6	3	..	2	1	1	..	1	20	21	1	1	10

Ratio of Non-notified Tuberculosis Deaths to total Tuberculosis Deaths :—

Of the 104 deaths from Pulmonary Tuberculosis 9 (*i.e.*, 8.7%) were not notified until after death. Of the 20 deaths from Non-pulmonary Tuberculosis, 12 (*i.e.*, 60%) were not notified until after death. These figures do not include non-resident patients dying in Derby Institutions.

Summary of Cases of Infectious Disease notified in each Quarter during 1921.

Quarters.	Totals	Small Pox.	Scarlet Fever.	Diphtheria including Membranous Croup.	Enteric Fever	Erysipelas.	Puerperal Fever	Cerebro-spinal Fever	Polio-m'lytis.	Acute Encephalitis Lethargica.	Acute Poliomyelitis.	Pneumonia	Malaria.	Chicken Pox.	Dysentery.	Trench Fever	Pulmonary Tuberculosis.	Other Tuberculous Diseases	Ophthalmia Neonatorum	Measles & German Measles
First ..	610	..	173	104	1	23	9	..	..	4	..	118	2	..	..	..	91	19	19	47
Second	417	..	131	43	4	13	3	1	..	1	..	90	3	..	..	..	70	8	28	22
Third ..	358	..	72	36	6	14	1	..	1	1	1	44	..	57	..	..	58	8	40	19
Fourth	756	..	264	40	3	16	1	1	..	..	..	162	1	158	..	..	63	8	24	15
Year ..	2,141	..	640	223	14	66	14	2	1	6	1	414	6	215	..	..	282	43	111	103
Deaths Regist'd in 1921	255	..	10	9	6	4	1	1	..	1	..	96	..	1	..	..	104	20	..	3

Particulars of Action taken with the Infectious Disease Cases.

	Totals
<i>Number of Visits made by Inspectors and Health Visitors ...</i>	2195
<i>Cases Isolated. Borough Hospital :—</i>	
Scarlet Fever...	421
Diphtheria ...	146
Measles and German Measles ...	5
Enteric Fever ...	5
Puerperal Fever ...	3
Ophthalmia Neonatorum ...	1
Cerebro-Spinal Fever ...	1
Encephalitis Lethargica ...	5
Acute Anterior Poliomyelitis ...	1
Scabies ...	1
<i>Cases Removed to Borough Sanatorium :—</i>	
Pulmonary Tuberculosis ...	114
Non-pulmonary Tuberculosis ...	5
<i>Cases Isolated. Royal Infirmary :—</i>	
Pneumonia ...	82
Puerperal Fever ...	1
Erysipelas ...	6
Ophthalmia Neonatorum ...	1
Enteric Fever ...	7
Measles ...	1
Diphtheria ...	2
Encephalitis Lethargica ...	2
Pulmonary Tuberculosis ...	24
Non-pulmonary Tuberculosis ...	42
<i>Cases Isolated. Guardians Infirmary :—</i>	
Pneumonia ...	22
Puerperal Fever ...	3
Erysipelas ...	5
Diphtheria ...	1
Ophthalmia Neonatorum ...	1
Measles ...	1
Chicken Pox ...	2
Pulmonary Tuberculosis ...	39
Non-pulmonary Tuberculosis ...	1
<i>Cases Isolated. Children's Hospital :—</i>	
Pneumonia ...	38
Diphtheria ...	1
Measles ...	1
Chicken Pox ...	1
Pulmonary Tuberculosis ...	2
Non-pulmonary Tuberculosis ...	24
<i>Cases Isolated. Nightingale Nursing Home :—</i>	
Pneumonia ...	1
Puerperal Fever ...	2
Ophthalmia Neonatorum ...	4
Encephalitis Lethargica ...	1
<i>Cases Isolated. Women's Hospital :—</i>	
Puerperal Fever ...	3
<i>Cases Isolated. Home of Rest :—</i>	
Pulmonary Tuberculosis ...	11
Cases willing to be Isolated but for which no room could be found ...	12
Cases in which Isolation was delayed ...	44
Number of Rooms Disinfected ...	1044
„ Classrooms Disinfected at the various Schools within the Borough ...	293

VENEREAL DISEASES.

During the year the arrangements for the treatment of Venereal Diseases were similar to those described in previous Reports.

The following is a summary of the work done during the year 1921 :—

DISEASE.	<i>No. of Persons attending the Clinic.</i>		<i>No. of Attendances.</i>	<i>No. of In-patient Days.</i>
	Males.	Females.		
Syphilis	274	139	4905	232
Soft Chancre	26	2	204	23
Gonorrhœa	293	78	11438	436
Other Diseases	110	33	285	5
Totals	703	252	15832	696

The figures in the above Table include patients from the Borough, as well as from the Counties of Derbyshire, Staffordshire, Leicestershire, Nottingham, and also the City of Nottingham, and Halifax.

Pathological Specimens.—During the year the following specimens were examined at the Laboratory of the Derby County Council ; the figures show the specimens examined from the Treatment Centre of the Venereal Diseases Clinic and those from private practitioners.

	<i>Spirochetes.</i>	<i>Gonococci.</i>	<i>Wassermann.</i>
Treatment Centre ...	Nil.	Nil.	347
Private Practitioners ...	2	21	215

ANTHRAX.

In August one of the butchers who had slaughtered (in the County) a cow affected with Anthrax developed the disease. All meat with which he had been in contact, amounting to 214 lbs. of beef, fat and bones, was destroyed. The shop in which he worked was thoroughly disinfected and cleansed before business was resumed.

Anthrax and Shaving Brushes.—Cases of Anthrax having occurred in the country attributable to infection through shaving brushes, the Ministry of Health issued an Order in Council in 1920, followed by a Circular early in 1921. Inquiries were made in Derby from all the retail chemists and druggists, either by letter or personally, and the Chairman of the Hairdressers' Association was also consulted. The Department received a ready response to our enquiries and much assistance from all concerned. The shaving brushes under consideration were those sent from Japan, and special enquiry was made as to shaving brushes within the Borough which had come from that country. Thirteen shaving brushes and one tooth brush were sent to the County Bacteriological Laboratory and examined for the presence of Anthrax. Of these, two (1) a bone-handled brush marked "Made in Japan," and (2) a cheaper one retailed at threepence, were found on examination to contain Anthrax spores. With regard to the first this was the only one of the type in stock, and the retailer undertook to purchase no more of these brushes. The cheap brush was one of a sample of many others, and the firm withdrew all of them from sale. The infected brushes were destroyed. The remaining brushes, 11 in number, and the tooth brush, gave negative results.

FOOD POISONING.

In October of the year, 25 cases occurred in the Borough of sickness attributable to food poisoning from eating pork pies. These were purchased from one of the best-known and best-managed establishments in the town; simultaneously other cases of illness were reported in Heage, Melbourne, and Belper, in persons who had purchased pork pies on the same day from the same establishment in Derby. The chief clinical signs in the Derby patients were—pains in the stomach, violent vomiting and diarrhoea, together with more or less pyrexia. The symptoms commenced from $2\frac{1}{2}$ to 13 hours after the pork pie was consumed. Fortunately no death occurred in any of the cases as a result of the illness, nor, so far as we can learn, were there any serious sequelæ.

An elaborate investigation was made of the pork pie and jelly utilised in its manufacture, in the Derbyshire County Bacteriological Laboratory, as well as of the lard used, and the water from a tank utilised in the premises for washing certain material: also

blood specimens from two of the patients were examined. Full details of this report were sent to the Ministry of Health. All steps were taken by the proprietor of the establishment to guard against future contamination, but it is feared that until the manufacture of pork pies, sausages, black puddings, chitterlings, polonies &c., is carried on in rooms separate and distinct from the slaughter-house, and either carried out by a separate staff from the one which does the slaughtering and gut cleaning (or else at a different time by the same staff) contamination from the intestinal contents will be liable to affect the food prepared, more especially at certain periods of the year.

Special Nursing.—Arrangements have been made with the Nightingale Nursing Home to provide skilled nursing for cases of Pneumonia occurring in the Borough who require it. This Institution, however, does not provide nursing for cases of Measles, and arrangements have to be made whereby one, or more, of the Health Visitors or School Nurses is detailed for this work, home nursing of these cases being extremely important.

MATERNITY AND CHILD WELFARE.

Midwives.—No Midwives are employed by the Corporation of Derby, nor is any subsidy paid to them. Periodical meetings have been arranged by the Maternity and Child Welfare Medical Officer (Dr. Mary Bird) during the year at which addresses have been given and discussions encouraged. 57 Midwives gave notice of intention to practice within the Borough during 1921. Nine of these were "bona-fide" Midwives. The remainder (48) were certificated women; 20 connected with the Derby Royal Nursing Institution, &c., 11 connected with the Health Department (including School Nurses). The remainder (17) practised privately. One of the "bona-fide" women retired from practice during the year on account of age and ill-health.

MEDICAL AID FORMS.—423 reports were received by the Medical Officer of Health during the year. 260 of these were on account of the condition of the mother and 163 of the baby.

SUPERVISION OF MIDWIVES.—135 visits were paid to the Midwives in practice in the town. The Superintendent of Midwives had 37 interviews with Midwives for various reasons.

INQUIRIES AND LETTERS OF CAUTION.—17 letters were sent to Midwives.

MEDICAL PRACTITIONERS.—101 emergency cases were attended by local Medical Practitioners, who were called in by Midwives in cases of emergency, under Section XIV. of the Midwives' Act 1918. The total fees paid to the practitioners were £154 12s. 6d.

MATERNITY FEES.—The sum of £43 11s. 6d. was paid in respect of the maternity fees of five necessitous women requiring institutional treatment, and 10s. 6d. was expended on Nurses' visits to one woman at her own home.

BABY INCUBATORS.—14 infants were placed in these incubators during the year. At the end of the year two children were still receiving this treatment.

STILL-BIRTHS.—These numbered 95, 16 being notified by Medical Practitioners and 79 by Midwives. There were 99 burials of still-born children in the Derby cemeteries during the year.

UNMARRIED MOTHER.—Arrangements have been made for some local Midwives who have suitable accommodation to take unmarried mothers into their homes for confinement. These cases are not admitted to the Nightingale Maternity Home.

MATERNITY AND CHILD WELFARE CENTRES.—There were five Welcomes or Maternity and Child Welfare Centres in existence in 1921, four of these managed by the Corporation Health Department, and one managed by the Nightingale Nursing Institution.

(1) St. Helen's Street Meeting House (provided by the Society of Friends, without charge). Meetings for baby weighings, infant consultations, &c., on Wednesday morning and Wednesday afternoon each week.

Welcomes held during 1921	...	...	47
Attendances of Babies	...	...	2931
„ Mothers	...	...	3255

(2) Rose Hill Street Welfare Centre, at the Normanton Road Congregational Church (provided by the Normanton Road Church, at a fee of 25s. per week). This is the largest Centre, and meetings,

weighings, infant consultations, &c., are held on Tuesday morning and Tuesday afternoon each week.

Welcomes held during 1921	...	47
Attendances of Babies	...	4072
„ Mothers	...	4499

(3) Dean Street Welcome, at Dean Street Mission Hall (provided by the Dean Street Primitive Methodist Mission, at a charge of 8s. 6d. per week). This Centre meets on Thursday afternoons for the same purposes as the above.

Welcomes held during 1921	...	48
Attendances of Babies	...	1432
„ Mothers	...	1676

(4) Alvaston Welcome meets in the Lecture Hall of the Alvaston Library (provided by the Derby Corporation). Consultations, &c., as in the above, on Monday afternoons.

Welcomes held during 1921	...	39
Attendances of Babies	...	823
„ Mothers	...	943

(5) Trinity Street Welcome (provided and managed by the Nightingale Nursing Institution). The Borough Maternity and Child Welfare Officer attends as Medical Officer on Friday afternoons.

ANTE-NATAL CLINIC.—Held at 56, St. Helen's Street, on Friday morning in each week. 397 expectant mothers attended during 1921, an increase of 142 over the number for 1920. 34 attendances were made at the Dental Clinic by 21 expectant mothers.

Municipal Home for Babies.

SUMMARY OF ADMISSIONS.

Remaining in Home on 31st December, 1920	...	10
Total Admissions	...	28
		—
Total treated	...	38
		—
Number Discharged during 1921	...	34
Number Died in Home during 1921	...	4
		—
		38
		—

Last inmate was discharged on 28th Sept., 1921

In the four fatal cases the causes of death were certified respectively as follows :—Gastro-Enteritis ; Gastritis, Marasmus ; Chronic Catarrhal Enteritis, Marasmus ; and Prematurity.

WORK OF THE HEALTH VISITORS.

SUMMARY.

Visits <i>re</i> Births	...	...	...	...	...	3,151
Re-visits <i>re</i> Births (under 1 year of age)	..	..	..	..	..	10,894
„ Children 1—5	..	..	..	..	..	2,686
Visits <i>re</i> Still-births	...	...	...	...	...	90
„ Deaths of Infants under 1 year	...	...	...	...	...	91
„ Tuberculosis	...	...	...	...	...	2,835
„ Whooping Cough (deaths)	...	...	...	...	...	3
„ Diarrhoea (deaths)	...	...	...	...	...	6
„ „ (non-fatal)	...	...	...	...	...	54
„ Cases of Puerperal Fever	...	...	...	...	} See page 15.	
„ „ Whooping Cough	...	...	...	...
„ Medical Help Forms (Midwives)	..	..	..	..	..	59
„ Ophthalmia Neonatorum	...	...	...	...	...	622
„ Special investigations	...	...	...	...	...	319
„ Enquiries	...	...	...	...	...	123
„ Outworkers	...	...	...	...	...	758
„ Workrooms	...	...	...	...	...	559
„ Workplaces	...	...	...	...	...	266
„ Expectant Mothers	...	...	...	...	...	342
„ Incubators	..	..	..	..	..	3
Miscellaneous visits	...	...	...	...	...	246
Unsuccessful visits (out, removals, etc.)	...	...	...	...	...	442
Mothers' Welcomes (mornings and afternoons)	..	..	..	..	..	275
Assisted at Tuberculosis Clinics (mornings, afternoons and evenings)	..	..	..	..	..	183
Assisted at Ante-Natal Clinics	...	...	...	...	...	48

CLINICS.

SCHOOL.

(1) *Central Clinic* held at 3 and 5, Ford Street, for treatment of minor ailments, every morning during the week. *Dental Clinic* each morning and afternoon, with the exception of Wednesday and Friday afternoons. *Inspection Clinic*, Tuesday and Thursday

afternoons. *Ophthalmic Clinic*, Wednesday and Friday afternoons. *Skin Clinic*, on Wednesday mornings.

(2) *Aural and Throat Clinic*, held at 18, Ford Street, each Tuesday afternoon.

(3) *Pear Tree Clinic*, held at the Pear Tree Council School, for treatment of minor ailments, on Monday and Thursday mornings.

(4) *Brighton Road Clinic*, held at the Brighton Road Council School, for the treatment of minor ailments, on Monday and Thursday afternoons.

(5) *Traffic Street Clinic*, held on Tuesday and Thursday afternoons, for the treatment of minor ailments, at the Traffic Street Council School.

TUBERCULOSIS.—Dispensary at St. Mary's Gate Tuberculosis Dispensary (owned by the Derbyshire County Council) on Monday afternoon and evening, and on Wednesday morning and afternoon.

Number of Clinics held	...	...	...	183
Total number of Patients attending Clinics	...	...	...	930
* Total number of Attendances	...	...	...	4,235
Number of Insured Persons attending Clinic	...	...	...	407
Number of Attendances of Insured Persons	...	...	...	1,894

VENEREAL DISEASES.—Clinics held at the Derby and Derbyshire Royal Infirmary and provided by the Infirmary Authorities on Monday and Wednesday evenings and Saturday afternoons for males, and Monday afternoons and Thursday evenings for females.

HOSPITALS PROVIDED BY THE DERBY BOROUGH COUNCIL—

(1) Tuberculosis Sanatorium provided at Little Chester. Wards for early cases and for children, Open-air School, and Recreation Room and Recreation Grounds. Accommodation, 68 beds (including shelters).

(2) Fever Hospital on site adjoining the Sanatorium. Ward accommodation, 60 beds; this is increased by the provision of verandahs.

(3) Small-pox Hospital, situated at Blakeley, on a site belonging to the Burton-on-Trent Corporation. Managed by the Derby

and Burton Joint Small-pox Hospital Committee. Accommodation, 12 beds.

(4) Mental Hospital (480 beds).

Isolation Hospital Provisioning, 1921.

1921.	Days in Hospital (Patients).	Average Patients per day.	Cost of Provisioning.			Average Cost per Patient per day.*	
			£	s.	d.	s.	d.
1st Quarter	7337	81.52	711	6	3½	1	11.27
2nd „	5832	64.08	548	6	3	1	10.56
3rd „	3262	35.41	453	13	8	2	9.38
4th „	7185	78.09	620	15	8	1	8.74
Totals 1921	23616	64.70	2334	1	10½	1	11.72
Totals for 1920	23085	63.07	2191	18	3	1	10.79

*This includes cost of provisioning staff.

Tuberculosis Sanatorium Provisioning, 1921.

1921.	Days in Sanatorium (Patients).	Average Patients per day.	Cost of Provisioning.			Average Cost per Patient per day.*	
			£	s.	d.	s.	d.
1st Quarter	4406	48.95	616	2	2½	2	9.56
2nd „	4820	52.96	532	16	6	2	2.53
3rd „	5216	56.69	559	19	11½	2	1.77
4th „	5539	60.20	582	4	7½	2	1.23
Totals 1921	19981	54.74	2291	3	3½	2	3.52
Totals for 1920	17557	47.94	2646	13	11½	3	0.18

* This includes cost of provisioning staff.

OTHER HOSPITALS WITHIN THE BOROUGH.

(1) The Victoria Memorial Home of Rest. This Institution by agreement takes in advanced cases of Tuberculosis for the Borough (3 of each sex).

(2) Children's Hospital (voluntary). Accommodation, 43 beds, which can be made up to 60 in summer.

(3) Derby and Derbyshire Royal Infirmary (voluntary). Accommodation, 320 beds.

(4) Women's Hospital (voluntary). Accommodation, 25 beds.

(5) Guardians' Infirmary.

AMBULANCE FACILITIES.—There are three Motor Ambulances kept at the Borough Isolation Hospital for utilisation for Infectious cases, and Tuberculosis cases when necessary.

Two Motor Ambulances are kept at the Fire Station for accidents and non-infectious cases.

LABORATORY WORK.—The examination of throat swabs, specimens of sputum, &c., is carried out at the Borough Laboratory, Isolation Hospital. Examinations of specimens of Cerebro-spinal fluid, blood for Widal's reaction, &c., inoculation experiments and more elaborate investigations, as well as the Wassermann test, are made at the County Council Laboratories, in St. Mary's Gate, at an agreed charge per specimen.

BACTERIOLOGICAL, &C., EXAMINATIONS.—The following is a summary of the examinations made during 1921 :—

Diphtheria (Nose and Throat Swabs)	...	...	4,573
Sputum	...	...	597
Widal Tests	...	...	120
Cerebro-spinal Fluid (suspected Cerebro-spinal Fever)			3
Cerebro-spinal Fever contacts (Throat Swabs)	...		6
Miscellaneous specimens	...	...	46

DIPHTHERIA ANTITOXIN.—This is distributed free to medical practitioners for the use of patients living within the Borough, and vaccines have been provided on request in special cases.

During 1921 the following amounts were supplied:—

81 phials containing 2,000 units each.

94 phials containing 4,000 units each.

48 phials containing 8,000 units each.

CHARITY ORGANISATION SOCIETY.

This Society gave assistance in the after-care of certain cases of Tuberculosis. Through this agency two cases were admitted to the Hahnemann Home, Bournemouth; two cases to the Royal National Hospital for Consumption, Ventnor; one case was admitted to the Royal Alexandra Hospital, Rhyl; and one case to the Royal Sea Bathing Hospital, Margate.

POOR LAW RELIEF.

Information kindly supplied by Mr. Grantham, Clerk to the Guardians.

	£
Indoor (actual cost of Maintenance)	
year end, March, 1922 ...	16,173
Outdoor Relief, year end December,	
1921	87,850
Boarded-out Children, year end	
December, 1921	1,300

The above figures do not include the cost of any patients in the Borough Mental Hospital.

LEGAL SUMMARY.

Local Acts (containing Sanitary Provisions).

The Derby Waterworks Acts, 1848, 1868, 1873.

The Derwent Valley Water Acts, 1899, 1901, 1904, and 1909.

The Derby Improvement Act, 1879, Part IV.

The Derby Corporation Tramways Act, 1899, Part III.

The Corporation Acts, 1877 (Sec. 60), 1890, 1901, 1913.

Acts Adopted.

- Public Health Acts Amendment Act, 1890, Part III.,
came into operation 20th September, 1899.
- Infectious Diseases (Prevention) Act, 1890 (Secs. 7-13),
came into operation 20th February, 1902.
- Public Health Acts Amendment Act, 1890, Part II.,
came into operation 12th December, 1904.
- Public Health Acts Amendment Act, 1907 (Secs. 19, 22,
23, 25, 28, 30, 31, 33, 34-37, 46, 50-58, 60, 62
to 66), came into operation 3rd March, 1910.
- Public Health Acts Amendment Act, 1907 (Section 24 and
Part V.), came into operation 9th February
1915.

Bye-laws, Regulations and Orders.

1838. Unsound Meat, Nuisances, etc.
1858. Public Baths and Washhouses.
1859. Slaughter-houses.
1859. Nuisances, Snow, Filth, etc.
1877. Water Supply.
1885. New Streets and Buildings.
1890. Common Lodging Houses.
1891. Nuisances (additional).
- 1859.)
1886.) Height of Rooms.
1892. Street Stop Taps.
1898. Dairies, Cowsheds, and Milkshops.
1898. Markeaton Baths.
1899. Houses Let in Lodgings.
1904. Public Baths.
1904. Regulations as to Branch Sewers in Main Drain-
age Area.
1907. Expectorating in Public Places, etc., Banana
Skins, etc.
1908. Factory and Workshop Statutory Rules and
Regulations.
1910. Underground Rain-water Cisterns.
1910. New Streets and Buildings (additional).

- 1911. Confirming Order of L.G.B. under Sec. 51 P.H.A.A. Act, 1907, declaring certain trades to be offensive.
- 1911. Regulations as to Communications between Drains and Sewers.
- 1912. The Derby (No. 1) Shops Order, 1912.
- 1913. The Derby (No. 2) Shops Order, 1913.
- 1913. The Derby (No. 3) Shops Order, 1913.
- 1913. Regulations as to Communications between Drains and Sewers in Main Drainage Area.
- 1913. Normanton Recreation Ground.
- 1914. For Preventing Waste, etc., or Contamination of Water.
- 1914. Boden Pleasance (Children's Playground).
- 1914. Additional General Rules for the Government of the Mental Hospital.
- 1916. For the Good Rule and Government of the Borough and for the Prevention of Nuisances.
- 1917. Spitting on Footways.
- 1919. The Derby Shops (No. 4) Order, 1919.
- 1919. The Derby Shops (No. 5) Order, 1919.
- 1921. Employment of Children and Street Trading.
- 1921. Tents, Vans, Sheds, and similar structures used for human habitation.

SANITARY ADMINISTRATION.

SANITARY ACCOMMODATION.

(Approximate Figures.)

At end of year.	W.C.'s.		Trough W.C.'s.			Tub Closets.	Ash Recep- tacles.	Dry Ashpits.	Privies.	With Ashpits or Cesspools.	Inhabited Houses (esti- mated).
	Ordinary.	Hand Flushed.	Burman- toft.	Tipper or Syphon.	Hand Flushed.						
1921	24,935	90	273	162	42	3,093	24,823	958	602	392	30,510

During the year 1921, 173 Privies were converted into Water Closets.

Sanitary Inspection of Town.

During the year 2,436 Notices were served in respect of defects in drains, &c., and nuisances under Public Health Acts.

5,274 defects were remedied.

515 drain traps fixed.

3,778 yards of drain laid.

19,045 visits made by Inspectors.

LEGAL ACTION.—54 Statutory Notices were served for offences against the Public Health or Local Acts, 11 being complied with.

Common Lodging Houses.

On register	...	...	...	...	—	...	14
Number of Rooms registered for sleeping	...	...	...	...	...	...	102
Number of Lodgers provided for	—Adults	...	...	...	...	...	533
	—Children	...	...	...	...	...	23
Visits of Inspection (day)	...	...	...	...	...	...	625
	(night)	...	...	...	...	...	18
Verbal Notices and cautions given in respect of breaches of the Acts and Bye-laws	...	...	...	...	...	...	157
Written Notices served	...	...	...	...	...	...	6
Notices and Cautions complied with (including 3 from 1920)	...	...	...	...	...	...	156

No serious infringements of the Acts or Bye-laws were met with, nor was any case of overcrowding discovered during the nightly visits.

Houses Let in Lodgings.

On Register at beginning of year	...	...	...	...	...	36
Closed during the year	...	...	...	...	...	2
On Register at end of year	...	...	...	...	...	34

These houses contain 157 rooms and have accommodation for 235 adults and 65 children, living and sleeping, or for 297 adults and 92 children sleeping only.

Visit of Inspection (day)	...	...	1427
(night)	...	...	29

Verbal Notices and Cautions given to the landlords and Lodgers for various offences under the Bye-laws	...	196
--	-----	-----

Written Notices served	...	...	...	...	...	17
Notices and Cautions (including 8 from previous year) complied with	...	...	...	...	...	210

No serious infringements of the Bye-laws were met with nor was any case of overcrowding found during the nightly visits.

Offensive Trades.

On Register	...	...	...	...	...	...	19
Factories	...	...	...	...	...	...	2
Workshops	...	...	...	...	...	...	17
Inspector's visits	...	...	...	...	...	168	
Verbal notices given	..	..	..	..	..	6	
Written notices served	..	..	..	..	..	0	
Defects remedied	...	...	...	...	...	5	

LIST OF OFFENSIVE TRADES IN THE BOROUGH.

Bone Calcining	..	..	..	..	1
Bone Boiling	..	..	..	..	1
Gut Scraping	..	..	..	..	1
Hide and Skin Markets	..	..	..	..	2
Skin Curing	..	..	..	..	2
Soap Boiling	..	..	..	..	1
Tallow Melting	..	..	..	..	1
Tripe Boiling	..	..	..	..	5
Varnish Making	..	..	..	..	1
Dealers in rags, bones, and skins	..	..	..	..	4
					—
Total	..	..	..	..	19
					—

Manure Pits.

These were inspected and all accumulations removed before the summer period set in, and further dealt with as occasion required.

Factories and Workshops.

The following are the Tables of action and work done, which are required to be forwarded to the Secretary of State :—

INSPECTIONS.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

PREMISES.	NUMBER OF			
	INSP- CTIONS.	WRITTEN NOTICES.	VERBAL NOTICES.	PROSE- CUTIONS.
Factories (including Factory Laundries)	251	21	4	0
Workshops (including Workshop Laundries)	509	38	47	0
Totals	760	59	51	0

Defects found	...	...	...	...	...	...	120
„ remedied	...	...	...	...	...	...	131

HOME WORK.

NATURE OF WORK.	OUTWORKERS' LISTS, SECTION 107.						OUTWORK IN UNWHOLESOME PREMISES, SECTION 108.			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.		
	Lists received from Employers.						Prosecutions.			Instances.		
	Twice in the year.			Once in the year.			Notices served on Occupiers as to keeping or sending Lists.			Notices served.		
	Outworkers.			Lists.			Failing to keep or permit inspection of Lists.			Prosecutions.		
	Lists.	Con-tractors	Work-men.	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(1)												
	86	4	641	18	2	36	..	..	..	8	6	..
Total	..	..	..	..	..	..	..	..	..	..	..	..

Other Matters (Factory and Workshops Act).

Notified to H.M. Inspector of Factories :—

Failure to affix Abstract (S. 133)	...	...	0
Action taken in matters referred to H.M. Inspector as remediable under the Public Health Acts but not under the Factory & Workshops Act (S. 5)	{	Notified by H.M. Inspector ...	66
		Reports sent to H.M. Inspector ...	53
Other	...	...	0
Underground Bakehouse (S. 101):			
Certificates granted during the year	...	...	0
In use at the end of the year	...	...	1

Public Conveniences.

The four Public Conveniences for the use of women are inspected weekly by the Female Sanitary Inspector.

Water Supply.

Number of gallons of water supplied to Derby from

Public Supply 1,314,042,000

Per centage of total quantity from the Derwent Valley

Supply 86

Samples of water for analysis were taken from eight wells in the town and in every case the results of the analysis showed that the water was not of satisfactory quality for drinking purposes. Arrangements were made for town's water to be laid on in every case.

Smoke Nuisances.

19 observations were made during the year, resulting in the service of two notices to abate nuisances from excessive emission of black smoke.

These were complied with together with three cases brought forward from the previous year.

Canal Boats.

Boats Inspected	...	...	...	...	...	24
Visits to Canal	...	...	...	...	...	97

INFRINGEMENT OF ACTS AND REGULATIONS :—

Painting	...	...	...	...	...	2 instances
Boats found in bad repair	...	...	...	...	1	„

LEGAL PROCEEDINGS.—None.**OTHER STEPS TAKEN.—Three complaint forms sent.**

Cases of Infectious Diseases dealt with	0
---	-----	-----	---

Number of Boats on the Derby Register at end of 1921 :—

(a) No. of boats believed to be in use or available	..	4
No. propelled by motor	.. ..	0
(b) No. of boats that cannot be traced	.. ..	8
Removed from Register	.. ..	0

No. of boats registered during 1921 :—

(a) Motor propelled	..	0
(b) Horse drawn	..	0

Food-preparing Premises.

Number of	pork butchers' shops	...	...	...	31
„	shops where making-up is carried on	...	...	27	
„	visits of inspection	...	...	...	308
„	verbal notices given and complied with	..			32

Bakehouses.

Bakehouses in occupation at beginning of year	55
Added during year	...	...	0
Transferred to Factory List	...	...	9
Vacated during the year	...	...	4
Number on register at end of year	...	...	42

DISUSED BAKEHOUSES :—

Unoccupied at beginning of year	...	...	70
Vacated during the year	...	...	4
Re-occupied during the year	...	...	0
Demolished during the year	...	...	1
Number unoccupied at end of year	...	...	73
Visits paid to occupied Bakehouses	...	...	233
Visits paid to unoccupied Bakehouses	...	...	104

SANITARY WORK :—

Defects found during the year	...	...	...	45
Defects remedied (including 9 from 1920)	...	...	...	54
Written notice served	...	...	...	1
Verbal notices given	...	...	...	44

Meat Inspection.

During the year 69 carcasses of beef were condemned for the following reasons :—28 tuberculosis, 4 black quarter, 9 difficult parturition and milk fever, 8 fevered, 6 injury, 11 dropsical, 2 choked, 1 lightning.

There have also been condemned 12 carcasses of veal, 25 bodies of mutton, and 1 goat.

The number of Tuberculous cattle was 81 cows, 19 heifers and 4 bullocks.

CONDITION OF TUBERCULOUS ANIMALS :—

Cows—	Prime condition	...	19
	Good	„	28
	Poor	„	34
Heifers—	Prime condition	...	13
	Good	„	4
	Poor	„	2
Bullocks—	Good condition	...	4

Forty-six pigs were found to be Tuberculous, and eight whole carcasses condemned ; in the remainder the lesions were confined to the head and organs which were condemned.

DISPOSAL OF CONDEMNED MEAT.—During the year 12 tons, 4 cwt., 3 qrs., 16 lbs. of meat have been disposed of for treatment for the recovery of fats, bones and meat, and their preparation for commercial purposes.

UN SOUND FOOD CONDEMNED.

13,196 lbs.	Fish.
2,463 lbs.	Fruit and Vegetables.
41,962 lbs.	Meat.
618 lbs.	{ Various Foods.
and	
2,966 tins	

Slaughter-Houses.

At the end of year 1921 :—

In hands of private holders	...	...	...	...	...	30
Corporation houses let to private tenants	...	...	...	...	...	17
Corporation houses used as public	...	...	...	...	...	2
Corporation houses standing empty	...	...	...	...	...	1
Corporation houses used as cooling rooms	...	...	...	...	...	1
Corporation houses used as tripe boiling premises	...	...	...	...	...	2
Private houses standing empty	...	...	...	...	...	0
Private houses license lapsed	...	...	...	...	...	1

Visits of inspection : 7,786.

The slaughter-houses have been kept in very good condition, with the exception of a few minor complaints which have been attended to on verbal notice being given.

PUBLIC ABBATOIR.—Slaughtering at the Corporation Houses is under the direct control of the Health Department.

Disinfection and Disinfestation.

The following summary shows particulars of Disinfections and disinfestations carried out during the year :—

AFTER INFECTIOUS DISEASES.

Rooms Disinfected	...	...	...	...	...	1,044
School Class-rooms Disinfected	...	...	...	...	...	293

OTHERS (including Cancer, Scabies, Verminous conditions, &c., Disinfection only carried out by request).

Rooms Disinfected	...	...	...	...	...	33
Bedding, Clothing &c. (instances)	...	...	...	...	...	21

Dairies, Cowsheds, and Milkshops.

Purveyors on Register at beginning of year	...	...	...	...	...	269
Added during the year	...	...	...	...	...	30
Removed during the year	...	...	...	...	...	19
On Register at end of year	...	...	...	...	...	280

COWKEEPERS WITHIN THE BOROUGH.

On Register	...	...	...	...	...	12
Inspector's visits...	...	...	...	...	...	959
Verbal Notices given	...	...	...	...	...	73
Written notices served	...	...	...	...	...	—
Notices complied with	...	...	...	...	...	73

REGISTERED PURVEYORS LIVING OUTSIDE THE BOROUGH.

On Register at beginning of year	...	...	...	...	132
Added during year	...	...	...	...	17
Removed during year	...	...	...	...	42
On Register at end of year	...	...	...	...	107
Visits to Factory Dairies	...	...	...	...	19
Written Notice served	...	...	...	...	1
Verbal Notices given	...	...	...	...	2
Notices complied with (including one from 1920)	...	...	...	...	4

Sale of Food and Drugs Acts.

The following is the report of the Borough Analyst, Mr. John White, F.I.C., upon samples examined under the above Acts during the year 1921.

"During the year, 238 samples were submitted to me for analysis under the Sale of Food and Drugs Acts." The following Table gives particulars of the nature of the articles and the numbers adulterated.

<i>Official Samples.</i>			<i>Informal Samples.</i>		
<i>Articles.</i>	<i>Total.</i>	<i>Adulterated.</i>	<i>Articles.</i>	<i>Total.</i>	<i>Adulterated.</i>
Butter ...	7	—	Baking Powder	4	—
Coffee ...	15	—	Camphorated		
Margarine ...	9	—	Oil ...	7	—
Milk ...	162	3	Cream ...	6	3
Preserved Cream ...	6	1	Preserved Cream	2	1
Tea ...	1	—	Self-raising Flour	5	—
Vinegar ...	10	2			
Whiskey ...	4	2			
	214	8		24	4

Average composition of the 162 samples of Milk:—Non-fatty solids, 8.79; fat, 3.71; total solids, 12.50.

PUBLIC HEALTH (MILK & CREAM) REGULATIONS, 1912 & 1917—

(1) *Milk ; and Cream not sold as Preserved Cream.*

	Number of Samples examined for pres- ence of Pre- servative.	Number Preservative found and percentage in each.	Nature of Preserv- ative.	Action taken.
MILK ..	None			
CREAM ...	6	3 0·13, 0·22, 0·14	Boric Acid.	(Informal Samples). Further Samples taken.

(2) *Cream sold as Preserved Cream.*

(a) Instances in which samples have been submitted for analysis to ascertain if the statements on the label as to preservatives were correct.

(i.) Correct statements made	...	...	6
(ii.) Statements incorrect	...	...	2
			—
Total	...	...	8
			—

(iii.) Percentage of Preservative in each sample.

Found.	Stated on Statutory label.
0·46	...
0·60	...
0·05	...
0·27	...
0·14	...
0·25	...
0·34	...
0·16	...

(b) Milk Fat.

(i.) Above 35 per cent.	...	...	8
(ii.) Below 35 per cent.	...	...	—
			—
Total	...	...	8
			—

(c) Incorrect label. None.

(d) Verbal cautions *re* 1912 labels None.

(3) *Thickening substances.* None found.

THE MILK (MOTHERS AND CHILDREN) ORDER, 1918.—The following amounts were supplied during the year :—

		Sold at cost price.	Supplied free.	Total.
Dried Milk	... ..	11,457 lbs.	5,140 lbs.	16,597 lbs.

BACTERIOLOGICAL EXAMINATION OF MILK FOR TUBERCLE BACILLI.

During the year samples of milk have been examined for Tuberculosis from 49 farms sending milk into the Borough, 8 of these milks were found to be Tuberculous.

In each case the farm was visited by the Corporation Veterinary Surgeon, Mr. Abell, M.R.C.V.S., and the cattle examined.

These inspections involved the taking of a further 21 individual and bulk samples of milk, making a total of 70 samples of milk examined for Tuberculosis during the year.

Reports of the action taken in typical cases are appended in detail :—

Sample 78.

A sample of milk from this farm taken on the 8th of February, 1921, was found to be Tuberculous; on the 3rd March an examination of the cattle was made by Mr. Abell.

Samples of milk were taken from two cows which Mr. Abell thought suspicious, and also one bulk sample, all of which proved negative. The farmer had in the meantime decided to make all his milk into butter, and on the 12th of April a sample of this butter was examined with a negative result.

Sample 80.

A sample of milk taken on the 15th February, 1921, proved Tuberculous.

Examination of the cattle was made on the 14th March.

One bulk sample and four from cows which shewed evidence of Tuberculosis were taken, and two of the individual samples proved Tuberculous.

One cow was slaughtered, and the lung, mesenteric glands, and udder found to be Tuberculous.

In the second case, the owner promised not to use the milk, but refused to have the beast slaughtered until he had fattened it.

This cow was afterwards sold without any intimation being given to the Medical Officer of Health. The owner stated this cow had not been sold in Derby, and that he did not know the name of the purchaser.

A bulk sample taken later proved negative.

Sample 85.

On the 1st of March a sample of milk was taken from the supply of this farm, and a positive report was received on the 23rd of March.

The farm was visited and an examination of the cattle made by the Veterinary Surgeon, abnormalities of the udder being found in three cows.

A sample of milk was taken in each case, in addition a further bulk sample was taken from the remaining cows.

All these samples were reported negative. This fact may be explained by the statement of the owner that since the first sample was taken, one cow, which was supposed to have had inflammation of the udder and had lost flesh very rapidly, had been sent to the knackers.

Sample 111.

Milk from this farm delivered in Derby on the 31st May, was found to be Tuberculous, two further samples taken were found to be negative.

In the interim between the samples, a cow which had not been doing well had been sold in the market.

Sample 124.

In this case a sample of milk was found to be Tuberculous on the 6th Sept., 1921, and a visit was made to the farm on the 4th October.

The Veterinary Surgeon found all cattle in excellent condition.

A further bulk sample proved negative.

The owner suggested that his milk had been mixed during transit to Derby. On enquiry, it was found that this is occasionally done, half empty churns being filled at the various collecting stations.

Sample 139.

This milk was delivered in Derby 6th December, 1921, and on examination found to be Tuberculous. The farm was visited and two individual and one bulk samples taken.

One of the individual samples was Tuberculous.

The cow, when slaughtered, was found to be affected in the udder, liver and mesenteric glands.

The carcase being in excellent condition was passed for human food.

Further bulk samples were taken and found to be free from Tubercle Bacilli.

Ice Cream Dealers.

On Register at beginning of year	...	...	...	...	95
Added during the year	...	...	...	...	26
Closed during the year	...	...	...	...	5
On Register at end of year	...	...	...	...	116
Inspector's Visits	...	...	...	...	177

POLICE COURT PROCEEDINGS.

Complaint.	Result.
Selling Adulterated Vinegar, 41% deficient in acetic acid ...	Fined 15/- and 15/6 costs
Selling Adulterated Milk, 30% deficient in fat ...	Fined, 5/- and 15/6 costs
Selling Adulterated Milk, 7 parts % extraneous water ...	Fined, 5/- and 15/6 costs
Selling Adulterated Vinegar, 24% deficient in acetic acid ...	Fined, 5/- and 15/6 costs
Selling Adulterated Whiskey 16.3 excess water ...	Fined, 95/- and 20/- costs

A. E. BRINDLEY, M.D., M.B., B.Sc., Ch.B., D.P.H.,
Medical Officer of Health; Medical Superintendent of the Borough
Isolation Hospital, and Medical Officer to the Education Committee.

W. H. WRAY, L.R.C.P., L.R.C.S., L.R.F.P.S.,
Deputy Medical Officer of Health, Clinical Tuberculosis Officer.

A. MORRISON, L.R.C.P., L.R.C.S., L.R.F.P.S.,
Assistant Tuberculosis Officer (part time), Assistant School Medical
Officer (part time).

MARY A. BIRD, M.D., C.M. (McGill),
Maternity and Child Welfare Officer; Superintendent of Midwives.

ANNIE R. McKAIL, M.B., Ch.B., D.P.H., R.C.P.S.,
Resident Medical Officer, Borough Isolation Hospital.

Miss E. WALLS, C.M.B., M.C.W., R.S.I. and Nursing Certs. (Infectious Diseases).

Mrs. E. A. THOMAS, Nursing Experience.

Miss L. DIXON, C.M.B. and Nursing Certs.

Miss A. KEELING, C.M.B., H.V. and Nursing Certs.

Mrs. H. BRATLEY, C.M.B., S.N., H.V., and Nursing Certs.

Mrs. E. G. DAWSON-DAMER, H.V. & Nursing Certs. (Tuberculosis Nurse).

Miss K. M. BANKS, C.M.B. and Nursing Certs.

Miss R. CROSS, C.M.B. and Nursing Certs.

H. J. MORGAN, R.S.I.	P. H. SHARDLOW, R.S.I.
C. CLARKE, R.S.I., Meat Cert.	*G. ALLSOPP, R.S.I.
E. G. HARDY, R.S.I.	A. C. W. LYON, R.S.I.
Mrs. M. A. ASTLEY, R.S.I.	

F. HANSON, R.S.I., Meat Cert., San. Insp. Exam.

Sisters (5): Nurses (19): Domestic Staff (22).

H. E. DAYKIN, Chief Clerk.
W. BAGSHAW, Deputy Chief Clerk.
E. MORETON, S. PRIME, Tuberculosis.
W. T. PRITCHARD, Infectious Diseases.
J. E. STAMP, Accounts and Correspondence.
Miss D. SANTY, Miss F. M. SKIRROW, Maternity and Child Welfare.
*P. SMITH, Laboratory Assistant.
A. H. WATKINS, R. E. GOODALL, E. ROE, H. THURMAN, H. RICHARDSON,
G. HARRISON.

*In Sanatorium.

HOUSING.

Number of new houses erected during the year :—

(a) Total	...	...	...	...	...	...	388
(b) As part of a Municipal Housing Scheme	...						368

1. Unfit Dwelling Houses.

Inspection—

(1) Total number of Dwelling Houses inspected for housing defects (under Public Health or Housing Acts)	...	...	...	...	No record kept.
(2) Number of Dwelling Houses which were inspected and recorded under the Housing (Inspection of District Regulations), 1910					1074
(3) Number of Dwelling Houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation					1
(4) Number of Dwelling Houses (exclusive of that referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	...				1014

2. Remedy of Defects without service of formal Notices.

Number of defective Dwelling Houses rendered fit in consequence of informal action by the Local Authority or their Officers	...	433
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3. Action under Statutory Powers.

A.—Proceedings under Section 28 of the Housing Town Planning, &c., Act, 1919.

(1) Number of Dwelling Houses in respect of which notices were served requiring repairs	...	...	...	...	...	191
(2) Number of Dwelling Houses which were rendered fit :—						
(a) By Owners	...	...	...	...		33
(b) By Local Authority in default of Owners	...	...	...	...		0

(3) Number of Dwelling Houses in respect of which Closing Orders became operative in pursuance of declarations by Owners of intention to close	0
---	---

B.—Proceedings under Public Health Acts.

(1) Number of Dwelling Houses in respect of which notices were served requiring defects to be remedied	2
(2) Number of Dwelling Houses in which defects were remedied :—	
(a) By Owners	0
(b) By Local Authority in default of Owners	0

C.—Proceedings under Sections 17 and 18 of the Housing, Town Planning, &c., Act, 1909.

(1) Number of representations made with a view to the making of Closing Orders ...	1
(2) Number of Dwelling Houses in respect of which Closing Orders were made ...	1
(3) Number of Dwelling Houses in respect of which Closing Orders were determined, the Dwelling Houses having been rendered fit	0
(4) Number of Dwelling Houses in respect of which Demolition Orders were made ...	0
(5) Number of Dwelling Houses demolished in pursuance of Demolition Orders ...	0

INSPECTIONS UNDER HOUSING ACTS.

Houses Inspected	1,074
Houses dealt with	1,014
Defects found	8,085
Defects remedied	4,894

INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTIONS) ACT, 1920.

Twenty-one applications for Certificates under Section 2 (2) of the above Act were made during the year, and 16 were granted. In the other five cases the houses were found not to be in such a state as to warrant the issue of certificates, but notices were served under the Public Health Acts to deal with any defects found.

Of the 16 Certificates granted,

In eight cases the owners carried out the necessary works without further action.

In one case the owner undertook to carry out the works. Portion was done but not completed by the end of the year.

In the remaining seven cases actions were entered by the tenants at the County Court, with the following results :—

In two cases the increase of rent was temporarily disallowed, the owners being allowed time in which to carry out the works, which were done in both instances, the increase of rent being subsequently re-imposed.

In two cases, the increase of rent was disallowed. In these cases portions only of the works required have been done up to the present.

In one case, the increase of rent was disallowed. No repairs yet done.

In one case, the occupier withdrew his application on the owner promising to carry out the necessary works. Works partly done but not yet completed.

In one case, the occupier was unable to proceed with his application owing to his having to reside out of Derby on account of his work which prevented him from personally presenting his application. No work done by owner.

ERECTION OF HOUSES—DERBY CORPORATION HOUSING SCHEME.

	SCHEME No. 1.				SCHEME No. 2.			
	SITES.				SITES.			
	A. Osmaston Park Rd.	B. & C. Stenson Road.	F. & G. Alvaston	H. Uttoxeter Road. N. Side. S. Side.	I. & J. Osmaston Park Road.	M. Walbrook Road.	TOTAL.	
Commenced	236	186	84	44 28	56	38	672	
Foundations in and damp course laid	236	186	84	44 28	56	38	672	
First floor joists laid	236	184	84	44 28	56	38	670	
Wall plate laid ready for roof ...	236	182	84	44 28	56	38	668	
Roofed, windows fixed, floors laid, ready for plastering ...	236	94	84	44 28	56	38	580	
Plastering finished, joinery fixed plumbing completed, ready for painting	224	72	80	44 28	56	38	542	
Drains and water supply laid ...	224	70	84	44 28	56	38	544	
Completed ready for occupation	224	70	80	44 28	54	38	538	

NOTE.—The total number of Houses in course of erection includes the number actually occupied.

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