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FIELD WORK REPORT

Medical Officer of Health

MALCOLM WILSON, M.B., B.S., D.P.H., D.P.M.

Chief Executive Officer

J. JAMES, O.B.E., M.B., B.S.

Public Health Inspector

REPTON RURAL DISTRICT COUNCIL.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1952.



A. P. WILSON, M.B., B.S., D.P.H., D.P.M.

FIELD WORK REPORT

M. WILSON, M.B., B.S.

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THE UNIVERSITY OF CHICAGO

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PHYSICS DEPARTMENT

1950

RESEARCH REPORT NO. 10

BY J. R. SCHROEDER

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PUBLIC HEALTH STAFF:

Medical Officer of Health:

MALCOLM ALLAN, M.B., Ch.B., D.P.H.

Chief Sanitary Inspector:

F. Lomas, C.R.S.I., M.S.I.A.

Deputy Sanitary Inspector:

H. Evans, C.R.S.I., M.S.I.A.

Additional Sanitary Inspector:

E.F.Kelly, M.R.S.I., M.S.I.A. (Commenced 4.2.1952).

Chief Clerk:

Miss L. Oakden

Assistant Clerk:

Mrs. J. Taylor (to 31.5.1952).

Miss R. Grice (from 14.7.1952).

Engineer & Surveyor:

A. P. Hancock, M.Inst. M. & Cy. E.

Clerk of the Council:

F. Bailey, M.B.E.

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To the Chairman and Members of the  
Repton Rural District Council.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report for the year 1952.

The vital statistics and clinical observations show that the general health of the people of the District remains good.

Over the year the incidence of infectious disease has been comparatively slight, and even the small incidence was mostly Measles of a mild nature, so that out of a total of 178 cases only 4 were admitted to Hospital. From the table recorded under Diphtheria Immunisation in the body of the report, it will be seen that the remarkable decline in Diphtheria deaths and cases has continued. Once again it is gratifying to report that not a single case of Diphtheria was notified from the Rural District during the year. The very success of the Immunisation Campaign raises a difficulty, for obviously, cases are rarely seen (about 60,000 doctors practice in these islands, and there are less than 400 cases of Diphtheria per year) and therefore liable to be missed and, moreover, there is a great danger of public complacency and indifference regarding immunisation. Diphtheria can be eradicated from these islands, but only by continued and concerted efforts by all concerned, especially parents. Doctors know from experience that Diphtheria still kills and they cannot become complacent, but they will need to become more vocal in order to correct the tendency to complacency in the parents and the general public.

The Central Council for Health Education, which has been so ably supported by the Council over the years, reports that the numbers of posters, leaflets, etc. distributed, has diminished, and some of the reduction is no doubt due to economies, but surely these are false economies. A recent Ministry report showed that £30,000 spent on Diphtheria Immunisation Publicity saved the Country £3,000,000. It is obvious, therefore, that much more could be achieved by comprehensive health education.

During the year the Council has carried on their re-housing policy with energy and vigour, and I know full well that the Chest Physician greatly appreciates your assistance with his special tuberculous households, and this re-housing greatly promotes the prevention of the disease. In this connection, it is encouraging to see our work against the larger background of the World Health Organisation's report on tuberculosis mortality, which stated that in 21 countries (including the United Kingdom) with 404.4 million inhabitants in 1950, tuberculosis mortality dropped by about half since 1936. On account of this, 434,000 persons continue to live who would have died during the same period if the 1936-8 conditions had continued without improvement.

The Chief Sanitary Inspector has written an able and detailed account of his work, and there is also a valuable and comprehensive report by the Engineer & Surveyor. I am deeply indebted to both of them for their reports, for it is only by means of this composite report that a true picture of the environmental and personal factors influencing the health of the people can be obtained.

Within the report there is a list of the County Council Clinics given by Dr. Morgan, County Medical Officer of Health.

Once again it is a great pleasure to take the opportunity of thanking the Chairman and Members of the Council, General Practitioners, Health Visitors, heads of departments and staffs, particularly, of course, all the staff of the Public Health Department, especially the Chief Sanitary Inspector.

I am,  
Your obedient Servant,  
MALCOLM ALLAN,  
Medical Officer of Health.

VITAL STATISTICS:

Year	Total	Legitimate	Illegitimate
1935	402	18	384
1934	438	1	437
1933	438	1	437
1932	438	1	437
1931	438	1	437
1930	438	1	437
1929	438	1	437
1928	438	1	437
1927	438	1	437
1926	438	1	437
1925	438	1	437
1924	438	1	437
1923	438	1	437
1922	438	1	437
1921	438	1	437
1920	438	1	437
1919	438	1	437
1918	438	1	437
1917	438	1	437
1916	438	1	437
1915	438	1	437
1914	438	1	437
1913	438	1	437
1912	438	1	437
1911	438	1	437
1910	438	1	437
1909	438	1	437
1908	438	1	437
1907	438	1	437
1906	438	1	437
1905	438	1	437
1904	438	1	437
1903	438	1	437
1902	438	1	437
1901	438	1	437
1900	438	1	437

Public Health Department,  
Council Offices,  
The Poplars,  
Rolleston Road,  
Burton-on-Trent.



SECTION A.

STATISTICS AND SOCIAL CONDITIONS.

Elevation of the District from 130 to 604 O.D.

Area .. .. .	65,654 acres.
Registrar-General's estimated population mid 1952 ..	31,890 (including members of the armed forces stationed in the area).
Population (Census 1951) .. .. .	31,562
Number of inhabited dwellings end of 1952 .. .. .	8,755
Rateable Value, 31st March, 1952 .. .. .	£152,415
Product of 1d. rate, 31st March, 1952 .. .. .	£603 2s. 9d.

VITAL STATISTICS:

Live Births:	Total	M.	F.		
Legitimate	482	235	247	Birth Rate per 1,000 of the estimated resident population..	15.61
Illegitimate	<u>16</u>	<u>10</u>	<u>6</u>		
	<u>498</u>	<u>245</u>	<u>253</u>		
Still Births:					
Legitimate	8	4	4	Rate per 1,000 total (live and still) births .. .. .	17.75
Illegitimate	<u>1</u>	<u>-</u>	<u>1</u>		
	<u>9</u>	<u>4</u>	<u>5</u>		
Deaths (including members of the armed forces who were stationed in the area) ..		334		Death Rate per 1,000 of the estimated resident population..	10.47

Deaths from puerperal causes (Heading 30 of the  
Registrar-General's Short List):-

Pregnancy, childbirth, abortion	Deaths Nil	Rate per 1,000 total (live & still) births. -
------------------------------------	---------------	---

Deaths of Infants under 1 year:-

	M.	F.
Legitimate	12	7
Illegitimate	<u>1</u>	<u>-</u>
	<u>13</u>	<u>7</u>

Death Rate of Infants under 1 year of age:-

All infants per 1,000 live births .. .. .	40.16
Legitimate infants per 1,000 legitimate live births ..	39.72
Illegitimate infants per 1,000 illegitimate live births..	62.50

Deaths of Infants under 4 weeks:-

	M.	F.
Legitimate	7	5
Illegitimate	<u>1</u>	<u>-</u>
	<u>8</u>	<u>5</u>

Death Rate of Infants under 4 weeks of age:-

All infants per 1,000 live births .. .. .	26.04
Legitimate infants per 1,000 legitimate live births ..	24.66
Illegitimate infants per 1,000 illegitimate live births..	62.50

Deaths from Cancer (all ages) .. .. .	60
" " Measles .. .. .	Nil
" " Whooping Cough .. .. .	Nil
" " Gastritis, enteritis and diarrhoea .. .. .	Nil



CLASSIFICATION OF DEATHS

Causes of death	All ages		Total
	M.	F.	
1. Tuberculosis, respiratory.. ..	3	1	4
2. Tuberculosis, other .. ..	-	-	-
3. Syphilitic disease .. ..	-	2	2
4. Diphtheria.. ..	-	-	-
5. Whooping Cough .. ..	-	-	-
6. Meningococcal infections .. ..	-	-	-
7. Acute poliomyelitis .. ..	-	-	-
8. Measles .. ..	-	-	-
9. Other infective and parasitic diseases	-	-	-
10. Malignant neoplasm, stomach .. ..	7	3	10
11. Malignant neoplasm, lung, bronchus ..	6	2	8
12. Malignant neoplasm, breast .. ..	-	9	9
13. Malignant neoplasm, uterus .. ..	-	-	-
14. Other malignant and lymphatic neoplasms	16	17	33
15. Leukaemia, aleukaemia .. ..	1	-	1
16. Diabetes .. ..	-	1	1
17. Vascular lesions of nervous system ..	10	35	45
18. Coronary disease, angina .. ..	19	14	33
19. Hypertension with heart disease ..	3	7	10
20. Other heart disease .. ..	31	31	62
21. Other circulatory disease .. ..	7	10	17
22. Influenza .. ..	-	-	-
23. Pneumonia .. ..	13	7	20
24. Bronchitis .. ..	18	2	20
25. Other diseases of respiratory system	4	2	6
26. Ulcer of stomach and duodenum .. ..	3	1	4
27. Gastritis, enteritis and diarrhoea ..	-	-	-
28. Nephritis and nephrosis .. ..	2	2	4
29. Hyperplasia of prostate .. ..	1	-	1
30. Pregnancy, childbirth, abortion ..	-	-	-
31. Congenital malformations .. ..	1	2	3
32. Other defined and ill-defined diseases	19	14	33
33. Motor vehicle accidents .. ..	2	1	3
34. All other accidents .. ..	3	1	4
35. Suicide .. ..	-	-	-
36. Homicide and operations of War ..	1	-	1
	170	164	334



Section B.

DERBYSHIRE COUNTY COUNCIL CLINICS.

DERBY:-

Ante-natal Clinics  
County Clinic,  
Walker Lane, Derby.

Every Tuesday, 9 a.m. to 12.30 p.m.  
and 1.30 p.m. to 4 p.m.  
Doctor attends each session.

Child Guidance Clinics  
County Clinic,  
Walker Lane, Derby.

By appointment.

Speech Therapy Clinics  
County Clinic,  
Walker Lane, Derby.

By appointment.

Dental Treatment  
County Clinic,  
Walker Lane, Derby.

By appointment. (For emergency treatment (toothache) the Clinic is open from Monday to Friday from 9 a.m. to 12.30 p.m. and 1.30 p.m. to 4 p.m. and on Saturday from 9 a.m. to 12 noon. (except the 1st, 3rd, and 5th Wednesday and the 5th Saturday).

Eye Clinics  
County Clinic,  
Walker Lane, Derby.

By appointment.  
(Every Monday morning).

Minor Ailment Clinics  
County Clinic,  
Walker Lane, Derby.

Temporarily closed.

Orthopaedic Clinics  
County Offices Yard,  
St. Mary's Gate, Derby.

By appointment.  
(Every Thursday from 9 a.m. to 12.30 p.m.  
and 1.30 p.m. to 4 p.m.)

Sunray Clinics  
County Offices Yard,  
St. Mary's Gate, Derby.

By appointment. (Tuesday mornings commencing at 9 a.m. and Saturdays commencing at 12 noon).

LITTLEOVER:-

Infant Welfare Centre  
Baptist Chapel Schoolroom,  
Thornhill Road, Littleover.

Every Thursday, 1.30 p.m. to 4 p.m.

MELBOURNE:-

Minor Ailment Clinics  
Penn Lane.

Wednesday a.m. (Nurse only).

Infant Welfare Centre  
Penn Lane.

Wednesday 1.30 p.m. to 4 p.m.

MICKLEOVER:-

Infant Welfare Centre  
Methodist Church,  
Mickleover.

2nd and 4th Thursdays in each month,  
1.30 p.m. to 4 p.m.

OVERSEAL:-

Infant Welfare Centre  
Methodist Church,  
Overseal.

1st and 3rd Fridays in each month,  
1.30 p.m. to 4 p.m.

REPTON:-

Infant Welfare Centre  
Village Hall,  
Repton.

2nd and 4th Tuesdays in each month,  
1.30 p.m. to 4 p.m.

SINFIN:-

Infant Welfare Centre  
St. Stephen's Church Hall, 2nd and 4th Mondays in each month,  
Sinfin Lane, Sinfin. 1.30 p.m. to 4 p.m.

SWADLINCOTE, Alexandra Road:-

Ante-natal Clinics 2nd and 4th Tuesdays in each month,  
9 a.m. to 12.30 p.m. Doctor attends  
each session.

Child Guidance By appointment.

Dental Treatment Temporarily unstaffed.

Eye Clinics By appointment. (2nd and 4th  
Thursdays in each month, commencing  
at 2.30 p.m.)

Infant Welfare Centre Every Monday, 9 a.m. to 12.30 p.m.  
and 1.30 p.m. to 4 p.m.

Minor Ailment Clinics Monday a.m.; and 2nd and 4th  
Wednesdays 9 a.m. to 10 a.m., Doctor  
present.

Orthopaedic Clinics By appointment. (1st and 3rd  
Tuesdays in each month, 9 a.m. to  
12.30 p.m. and 1.30 p.m. to 4 p.m.)

IMMUNISATION AGAINST DIPHTHERIA:- Facilities for immunisation are  
available, on request, when the Doctor is in attendance at Infant  
Welfare Centres and Minor Ailment Clinics.

REPAIRS OR REPLACEMENTS OF GLASSES FOR SCHOOL CHILDREN:- The  
necessary form may be obtained on request from the County School  
Medical Officer, County Offices, St. Mary's Gate, Derby, or from  
the Assistant School Medical Officers.

CHEST CLINICS:

BURTON-ON-TRENT:-

Chest Clinic, By appointment through own Doctor.  
59, Milton Street, (Mondays, 9 a.m. to 12 noon.)  
Burton-on-Trent.

DERBY:-

Chest Clinic, By appointment through own Doctor.  
County Offices Yard, (Wednesdays and Fridays, 9 a.m. to  
St. Mary's Gate, 12.30 p.m., and 2 p.m. to 4.30 p.m.).  
Derby.



## SECTION C.

### Annual Report of Engineer & Surveyor for Year ending 31st December, 1952.

#### 1) SEWAGE DISPOSAL.

The following Sewage Disposal Schemes have been submitted to the Ministry of Housing and Local Government and immediately approval is received, the Council will invite tenders and commence the work at the earliest opportunity:-

Netherseal, Ticknall, Joint Scheme for Coton-in-the-Elms, Rosliston and Cauldwell, Hilton, Walton-on-Trent, Newton Solney and Woodville.

The following Sewage Disposal Schemes are in course of preparation:-

Etwall, Mickleover (The Bunkers) Repton and Findern.

All the above Schemes are necessary owing to the Council's Housing Schemes and the present system is overloaded.

#### Mining Subsidence - Parishes of Overseal, Castle Gresley and Linton.

The sixteen Council Houses in Burton Road, Castle Gresley sank to such an extent that the foul drains were below the foul sewer in the road.

In order to cope with the sewage it was necessary to relay the 6" foul sewer at the rear of the houses and connect it to a small Pumping Station, which was also erected at the rear of the houses, having duplicate pumps, each delivering 15 G.P.M. to the nearest high point of the existing foul sewer.

The work was carried out in conjunction with the National Coal Board and is at present working satisfactorily.

Owing to mining subsidence adjacent Castle Gresley Railway Station, the Council were required to construct a Sewage Pumping Station to pump the sewage to a manhole beyond the affected area.

The Pumping Station came into operation in September, 1949. On the 1st July, 1952 investigations after the effects of a heavy thunderstorm revealed that further mining subsidence had dropped the Pumping Station another 5' 6" and that when pumping during rainy periods the sewage overflows at two manholes.

The length of the pumping main laid in 1949 was 60 yards, this further subsidence requires a new 6" diameter pumping main 450 yards long and to be laid slung inside a 5 ft. diameter culvert passing under the railway.

Permission is awaited from the British Railways to lay the pumping main and approval of the Ministry is awaited to proceed with the scheme.

The National Coal Board state that a maximum subsidence of a further 3 ft. must be expected during the next five years.

#### Linton South Sewage Irrigation Area.

The result of subsidence is continually causing difficulty with the treatment of the sewage and the Council have again approached the National Coal Board with a view to finding a successful means of disposal of the sewage by means of pumping to either the Coton Park or the Castle Gresley Sewage Disposal Works. The Council are anxiously awaiting any information from the Coal Board.



Report of Engineer & Surveyor (Cont'd.)

SEWAGE DISPOSAL (Cont'd.)

Parish of Findern.

A 9" defective foul sewer has been re-laid at the rear of eighteen houses fronting Rykneld Street. As continual complaints were being received of sewage nuisance from cesspools at four houses adjacent, the sewer was continued in 6" diameter to include these houses also.

Parish of Hartshorne.

A defective 4" diameter foul drain was replaced with a 6" sewer to abate a continual sewage nuisance from six houses.

2) WATER SUPPLY.

The quantity and quality of the water supply to those parishes having a piped water supply continues to be satisfactory, with the exception of the Parish of Woodville, where the yield from the Smisby Well is insufficient to meet the demand. The total amount consumed by the Parish of Woodville which includes 104 houses situated along Ashby Road within the Parish of Hartshorne and the Urban District of Ashby was 43,368,000 gallons.

The amount pumped from the Smisby Well during the year was 16,690,000 gallons, the remainder was purchased in bulk from the Swadlincote and Ashby Joint Water Board. The whole of the Council's piped water supplies are chlorinated. The hardness varies from 18 to 40 and no plumbo-solvent action is experienced.

Parish of Ticknall.

This Scheme has been satisfactory since the Well was lowered and the new Pumping Station erected in 1951. No shortage has been experienced.

The average amount pumped per day being 14,300 gallons.

Parish of Hartshorne.

The water supply for the Parish of Hartshorne is obtained from a Spring in "Several Woods" from whence it flows to a 20,000 gallon capacity Reservoir. The maximum amount available is 32,000 G.P.D., and when the Housing Estate of 43 Houses now in course of erection in Sandcliffe Road is completed it is expected the demand will have reached the maximum yield.

Northern Area Water Scheme.

The 36 miles of mains ranging from 3" to 9" diameter laid under this Scheme have been completed and brought into service. The Village of Hatton was dis-connected from the Tutbury R.D.C. supply and re-connected to this Scheme. 264 properties in the remaining 11 parishes have already been connected and applications for connections are continually being received. The total number of properties already connected is 630.

Difficulty in obtaining the necessary steel for the construction of the Water Tower (capacity 62,500 gallons) has prevented its construction. It is however expected to be able to construct the Reservoir during 1953.



Report of Engineer and Surveyor (cont'd.)

WATER SUPPLY (cont'd.)

At the present time the water flows through the main to the Booster Area by gravity, but should the properties continue to be connected, a time will come when the daily demand will be so great that the water will not pass over the high point.

Should this eventually occur before the Water Tower is built the Council propose to erect a Stand Pipe at the high point of the Booster Area and pump the water through the Stand Pipe.

Mining Subsidence.

The Council have been required to repair three breakages on the 6" main at Overseal and one on the 3" main at Woodville, due to the effects of mining subsidence.

3) HOUSING.

The number of Council Houses approved by the Ministry of Housing and Local Government up to the 31st December, 1952 is 938.

The number of houses completed is 846.

The following summary gives the progress made for the year ending 1952.

Parish	Number of Houses under Contract.	Number of Houses in course of erection.	Number of Houses completed.	Type.
Hartshorne	38	34	4	Traditional Brick.
Rosliston	6	6	-	"
Findern	28	20	8	"
Repton	20	10	-	"
Thurvaston	4	4	-	"
Hatton	4	-	4	"
Willington	7	-	7	"
Lullington	4	-	4	"
Hartshorne (Goseley Estate)	10	(6 completed in 1951.)	4	"
Totals		74	31	

Private Development.

Plans for 73 dwellings were approved as private development during the year ending the 31st December, 1952.

Twenty two dwellings were completed and forty were in course of erection. These include properties approved during the previous year but not completed.

The total number of applications and plans submitted to the Council for approval during the year was 405 of which 325 were approved.



WATER SUPPLIES - YEAR ENDING 31st DECEMBER, 1952.

Parish	Supplying Undertaker.	Total houses	No. of houses suppld.	Estd. population suppld.	Supply direct to property.	Supply off stand-pipes	No. of houses unpiped supply.
Ash	-	15	-	-	-	-	15
Barton Blount	-	13	-	-	-	-	13
Bearwardcote	Repton R.D.C.	9	2	7	2	-	7
Bretby	South Staffs.	202	187	654	187	-	10
do.	Swad. & Ashby	-	5	18	5	-	-
Burnaston	South Staffs.	59	6	21	6	-	53
Calke	-	12	-	-	-	-	12
Castle Gresley	South Staffs.	422	399	1397	399	-	23
Catton	do.	21	6	21	6	-	15
Cauldwell	do.	28	21	73	21	-	7
Church Broughton	Derbys. C.C.	115	39	136	39	-	76
Coton-in-the-Elms	South Staffs.	148	126	441	126	-	22
Delbury Lees	Repton R.D.C.	48	39	137	39	-	9
Drakelow	South Staffs.	58	24	84	24	-	34
Egginton	do.	150	128	448	128	-	22
Etwall	do.	296	237	830	237	-	59
Findern	do.	199	163	571	163	-	24
do.	Derby Corpn.	-	12	42	12	-	-
Foremarke	Swad. & Ashby	25	13	45	13	-	12
Foston	Repton R.D.C.	143	44	154	44	-	99
& Scropton	Scropton - Nil.	-	-	-	-	-	-
Hartshorne	Hartshorne - Repton R.D.C.	382	381	1334	381	30	1
do.	Woodville - Repton R.D.C.	236	236	826	236	-	-
do.	Swad. & Ashby	44	44	154	44	-	-
do.	Caukley	15	15	53	15	-	-
Hatton	Repton R.D.C.	428	336	1176	336	-	92
Hilton	South Staffs.	239	114	399	114	-	125
Hoon	-	6	-	-	-	-	6
Ingleby	-	21	21	74	21	-	-
Linton	South Staffs.	530	506	1771	506	-	24
Lullington	do.	44	34	119	34	-	10
Marston-on-Dove	-	17	1	3	1	-	16
Mickleover	Derby Corpn.	1403	1372	4802	1372	-	31
Netherseal	South Staffs.	233	162	567	162	-	71
Newton	do.	132	81	283	81	-	51
Solney	-	-	-	-	-	-	-
Osleston & Thurveston	Repton R.D.C.	68	41	143	41	-	27
Overseal	do.	675	663	2321	663	-	12
Radbourne	do.	45	28	98	28	-	17
Repton	South Staffs.	503	(443	1551	418	25	44
Milton	Swad. & Ashby	-	( 16	56	13	3	-
Rosliston	South Staffs.	128	100	350	100	-	28
Smisby	Repton R.D.C.	100	2	7	2	-	98
Sutton-on-the-Hill.	Repton R.D.C.	30	( 7	24	7	-	17
Ticknall	Private Supply	-	( 6	21	6	-	-
Trusley	Repton R.D.C.	197	170	595	45	125	27
Twyford & Stenson	do.	26	14	49	14	-	12
	Twyford - Nil	-	-	-	-	-	-
	Stenson -	105	70	245	70	-	35
	Derby Corpn.	-	-	-	-	-	-

/Cont'd....



Report of Engineer and Surveyor (Cont'd.)

Water Supply (cont'd.)

Parish	Supplying Undertaker	Total Houses	No. of houses suppld.	Estd. population suppld.	Supply direct to property.	Supply off stand-pipes	No. of houses unpiped supply.
Walton-on-Trent.	South Staffs.	114	85	297	85	-	29
Willington	do.	355	331	1158	331	-	24
Woodville.	Repton R.D.C.	716	716	2506	597	119	-
Totals.		8755	7446	26061	7144	302	1309

To the Chairman and Members of the  
Repton Rural District Council.

Mr. Chairman, Ladies and Gentlemen,

I beg to submit the Annual Report on the sanitary circumstances, and the work undertaken by this Department, in the combined Northern and Southern Districts of the area, for the year ending 31st December, 1952.

The work of the department has proceeded smoothly during the year, and steady progress has been maintained.

Considerable time and effort has been expended in dealing with damage due to mining subsidence, and more particularly with regard to broken drains and sewers in the Castle Gresley area. On these occasions emergency operations are immediately put into effect, and in this connection, your Council's cesspool emptying machine has rendered invaluable service.

The scavenging of the area is administered by your Public Health Department, and I am pleased to report that, considering the size of the district, very few complaints regarding the service have been received in the year under review.

With the Northern Area Water Scheme nearing completion, the district as a whole, so far as it relates to the provision of a piped supply of water, can be regarded as very satisfactory.

I regret that I cannot report similar progress in the provision of sewage disposal schemes in the various parishes of the district.

During the year 11 houses, the subject of demolition orders, were demolished and the sites cleared.

The maintenance of cottage property still presents a difficult problem, due in large measure to the continuance of the Rents Restriction Acts without modification. Statutory action against owners of property is only recommended as a last resort.

Mr. E. F. Kelly was appointed as Additional Sanitary Inspector, and commenced duties with your Council on the 4th February, 1952.

In presenting this report, I would take the opportunity of recording the assistance and support I have received from the Chairman and Members of the Health and Public Works Committee, the Clerk to the Council, the Medical Officer of Health, and Inspectorial and clerical members of the Public Health Department.

I would also express my appreciation for the efficient and loyal services rendered by your foreman, Mr. C. Stanley, whose efforts have in large measure contributed to the smooth running of the scavenging services.

I am, Ladies and Gentlemen,  
Your obedient Servant,  
FRED LOMAS,  
Chief Sanitary Inspector.



## DRAINAGE AND SEWERAGE.

None of the necessary sewerage schemes for the following parishes were started during the year:- Burnaston, Coton-in-the-Elms, Hilton, Netherseal, Newton Solney, Drakelow, Smisby, Rosliston, Ticknall, and Walton-on-Trent.

## HOUSING.

Number of inhabited houses at the end of 1952 - 8,755

Number of new houses erected during 1952:-

(a)	By local authority	31
(b)	By private enterprise	22
(c)	By other Local Authorities	32

## SANITARY ACCOMMODATION.

(a) Conversion to water closets during 1952:-

Privy Middens	2
Pail Closets	6

(b) Conversion of privies to )  
pan closets ) 7

The total number of conversions to water closets up to the end of this year since the beginning of 1942 is 624.

## SCAVENGING.

During the year collections were maintained, and the whole of the scavenging services are now carried out by direct labour, all contract work being finally discontinued in 1951.

All refuse disposal tips were regularly inspected throughout the year, and no fires have occurred.

At one disposal point in the Southern Area, some trouble was experienced due to an infestation of crickets, and to combat these pests, regular treatment of the tipping area by an approved dressing was carried out during the season.

The fortnightly collection of house refuse over the whole area is generally satisfactory, but in certain mining parishes in the Southern Area complaints were received that a fortnightly collection was inadequate. Arrangements are being made to give these parishes a collection every 10 days during the winter months.

## SALVAGE COLLECTION.

Although the collection of waste paper continued on a reduced scale throughout the year, difficulty has been experienced in its disposal. At the end of the year approximately 40 tons was in store at the scavenging depot. This salvaged paper will be disposed of when the market is restored.

## ANTI-LITTER CAMPAIGN.

Litter bins have been fixed in the following additional parishes:- Hartshorne, Overseal, Netherseal, Linton, Walton-on-Trent, and Woodville.

Regular emptyings are made by the scavenging teams.



ANNUAL REPORT OF SANITARY INSPECTOR FOR THE YEAR 1952.

Repton Rural District.

Name of Inspector - F. Lomas (Chief).

Estimated Population (mid 1952) 31,890. Estimated No. of Houses 8,755

GENERAL SANITARY ADMINISTRATION

	No. on Register	Increase or Decrease	Inspections made
Bakehouses .. .. .	12		14
Canal Boats .. .. .	Nil		
Common Lodging Houses .. ..	Nil		
Dairies .. .. .	7	- 1	10
Factories and Workplaces .. ..	72	- 23	27
Houses Let in Lodgings .. ..	Nil		
Ice Cream Premises .. .. .	68	+ 17	93
Market Stalls .. .. .	Nil		
Milk Distributors .. .. .	9	-	-
Moveable Dwellings (a) Sites ..	Nil	-	-
(b) Dwellings	23	+ 9	92
Offensive Trades .. .. .	Nil		
Outworkers .. .. .	8	+ 2	11
Preserved Food Stores .. ..	26	- 8	108
Shops .. .. .	295	- 1	147
Slaughterhouses .. .. .	22	+ 3	59
Knackers' Yard .. .. .	1	-	3
Swimming Baths .. .. .	Nil		

SAMPLING.

	No. of Samples taken	Results			
		Meth. Blue		Fat	
		Sat.	Unsat.	Sat.	Unsat.
Ice Cream	41	40	1	-	-
		Meth. Blue		Phosphatase.	Turbidity
		Sat.	Unsat.	Sat.	Unsat.
Milk (a) Routine	Nil	-	-	-	-
		Positive.		Negative	
(b) Biological	2	-	2	-	-
		Sat.	Unsat.		
(c) By Food & Drugs Authority	-	-	-	-	-
Water (a) Mains	13	12	1		
(b) Other sources	19	4	15		
(c) Swimming Baths	Nil				



WATER SUPPLIESEstimated  
population  
involved

No. of Houses in District connected to mains	7144	25,004
No. of Houses in District supplied from standpipes on mains	302	1,057
No. of Houses in District not supplied from standpipes or mains	1309	5,829
No. of connections made during year:-		
(a) existing houses	138	
(b) new houses	83	
(c) other premises	2	

DRAINAGEEstimated  
population  
involved

No. of Houses in District connected to sewers	6916	25,420
No. of Houses in District not connected to sewers	1839	6,470
No. of connections made during year:-		
(a) existing houses	9	
(b) new houses (including Council houses)	83	
(c) other premises	Nil	
No. of conversions of other closets to water-closets	8	

HOUSING

New Houses erected during year by:-

(a) Local Authority	31	
(b) Private Enterprise	22	
(c) Other local authorities	32	
No. of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)		747
No. of dwelling-houses found not to be in all respects reasonably fit for human habitation		563
No. of dwelling-houses found to be in a state so dangerous to health as to be unfit for human habitation		14
No. of defective dwelling-houses rendered fit in consequence of action (formal or informal) by the Local Authority		544
No. of dwelling-houses in respect of which Demolition Orders were made		6
No. of dwelling-houses demolished in pursuance of Demolition Orders		11
No. of dwelling-houses in respect of which undertakings were accepted		1
No. of premises in respect of which Closing Orders were made		Nil
No. of applications for Improvement Grants approved by Ministry		Nil
No. of dwelling-houses "improved" during year		Nil
No. of Army Huts demolished (formerly occupied by families)		20



Section D.

HOUSING ACTS.

Number of houses inspected under Housing Acts	447	
Number of houses which were found defective	353	
Number of houses where defects have been rectified	} Urgent items of repairs dealt with under public health acts.	
Number of houses where work is still in hand		
Total number of visits whilst work was in hand		
Informal Notices served		
Statutory Notices served		

UNFIT HOUSES.

The following is a list of properties on which Demolition Orders have become operative. The position at the end of the year was as follows:-

- 2 houses, Mill Street, Repton.
- 4 " Orme's Row, Hartshorne.
- 2 " 77/79, Burton Road, Castle Gresley.
- 2 " Main Street, Hartshorne.
- 2 cottages, Clifton Road, Netherseal.
- 2 Brizlincote Cottages, Bretby.
- 1 bungalow, Pit Lane, Netherseal.
- 2 cottages, Brookside, Scropton.
- 1 cottage, Oaks Lane, Willington.
- Old Soldier's Cottage, Radbourne.
- 1 cottage, 111, Acresford Road, Overseal.
- 3 cottages, Laurel Cottages, Mickleover.
- The Cottage, Staker Lane, Mickleover.
- 3 thatched cottages, off High Street, Repton.

Demolitions carried out:-

- Cottage rear of 3, Uttoxeter Road, Mickleover.
- 54, 56, & 58, Hartshorne Road, Woodville.
- Five cottages, Dale End, Hilton.
- White Cottage, Staker Lane, Mickleover.
- Osleston Cottage, Osleston.

RURAL HOUSING SURVEY.

During the year the housing survey was continued in the following parishes:- Church Broughton, Mickleover and Walton-on-Trent.



HOUSING STATISTICS

Total

1. INSPECTION OF DWELLING-HOUSES DURING THE YEAR:-

(1)(a)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) .. ..	747
(b)	Number of inspections made for the purpose .. ..	2038
(2)(a)	Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations 1925 and 1932 .. ..	447
(b)	Number of inspections made for the purpose .. ..	447
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	14
(4)	Number of dwelling-houses (exclusive of those referred to in the preceding sub-head) found not to be in all respects reasonably fit for human habitation .. .. .	563

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES:-

	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers .. .. .	544
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3. ACTION UNDER STATUTORY POWERS DURING THE YEAR:-

(a) Proceedings under Sections 9, 10 & 16 of the Housing Act, 1936 -

(1)	Number of dwelling-houses in respect of which notices were served requiring repairs .. .. .	Nil
(2)	Number of dwelling-houses which were rendered fit after service of formal notices -	
(a)	By Owners .. .. .	Nil
(b)	By Local Authority in default of owners .. .. .	Nil

(b) Proceedings under Public Health Acts -

(1)	Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	5
(2)	Number of dwelling-houses in which defects were remedied after service of formal notices:-	
(a)	By Owners .. .. .	4
(b)	By Local Authority in default of owners .. .. .	Nil

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936:-

(1)	Number of dwelling-houses in respect of which Demolition Orders were made .. .. .	6
(2)	Number of dwelling-houses demolished in pursuance of Demolition Orders .. .. .	11

(d) Proceedings under Section 12 of the Housing Act, 1936:-

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

4. HOUSING ACT, 1936 (Part IV.) OVERCROWDING:-

(a)	(1) Number of dwellings overcrowded at the end of the year	} Figures not available
(2)	Number of families dwelling therein .. .. .	
(3)	Number of persons dwelling therein .. .. .	

(b)	Number of new cases of overcrowding reported during the year .. .. .	6
-----	--	---

(c)	(1) Number of cases of overcrowding relieved during the year .. .. .	6
(2)	Number of persons concerned in such cases .. .. .	26

(d)	Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding ..	Nil
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SHOPS ACT, 1912 - 1952.

Inspections have been carried out of various shops employing assistants, and attention drawn to the provisions of the above Acts. In several instances improvements have been carried out without resort to statutory action.

CAMPING SITES.- There are no licensed sites within the District.

SWIMMING POOLS AND BATHS.

There are no public pools or baths in the District.

SMOKE ABATEMENT.

Records have been kept monthly of the amount of grit, etc. deposited, and amount of sulphur dioxide in the atmosphere during the past twelve months near to the site of Drakelow Power Station.

ERADICATION OF BED BUGS.

No complaints of this pest were received.

Section E.

MILK (SPECIAL DESIGNATION) ORDERS & REGULATIONS.  
MILK & DAIRIES REGULATIONS.

In conformity with the Regulations, dealers' and supplementary licences have been issued to persons selling milk within the rural areas from premises outside the district.

The County Medical Officer has forwarded the following information regarding samples of pasteurised milk taken within the District:-

<u>No. of</u> <u>Establishments.</u>	<u>Samples.</u>		<u>Total.</u>
	<u>Satisfactory</u>	<u>Unsatisfactory</u>	
1	25	1	26

INSPECTION AND SUPERVISION OF FOODS.

During the year the following foods were inspected and condemned for human food:-

Shops, etc., in Repton Rural District:-

		<u>Total weight.</u>	
Cooked Ham, Tongue, Luncheon Meats, etc.	22 tins.	165 lbs.	12 ozs.
Bacon		17 "	0 "
Fruits	125 "	105 "	5 "
Soups, Tomatoes, Meat & Vegetables, etc.	51 "	50 "	13 "
Milk	9 "	8 "	8 "
Butchers' Meat		161 "	2 "

ICE CREAM

There were no new premises registered for the manufacture of Ice Cream during the year. Seventeen premises were added to the register of ice cream retailers.

Forty-one samples of Ice Cream were taken for bacteriological examination. One sample was placed in Grade 3, and was classed as unsatisfactory under the provisional Methylene Blue Test.

Where samples have proved unsatisfactory, the matter has been immediately followed up and advice given. With regard to unsatisfactory samples obtained from ice cream manufactured outside the area, the appropriate Authority has been notified.



INSPECTION AND SUPERVISION OF FOODS (contd).

FISH AND CHIP PREMISES.

No alteration recorded during the year.

SLAUGHTER-HOUSES.

During the year the number of slaughter-house licences granted was 22, and the number of licences granted to slaughtermen was 56.

There was also one licence issued for the registration of a knacker's yard.

Apart from the issue of licences to self-suppliers of pigs, the only slaughtering of animals for human food in the Rural District is carried out at a licensed slaughter-house at the Pastures Hospital, Micklegate, where pigs, calves, and an occasional fat beast, are slaughtered from their own farm stock, by arrangement with the Ministry of Food. All other slaughtering is carried out at public abattoirs in Burton-on-Trent and Derby, and despatched to two distributing centres, one in the Northern part of the district and one in the Southern.

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INFESTATION ORDER, 1943.

PREVENTION OF DAMAGE BY PESTS ACT, 1949.

The Council have the services of a full-time Rodent Operator, and routine inspections were made on all refuse tips and sewage works in the district. Also all sewers were treated according to the methods recommended by the Ministry of Food; only minor infestations were found, and these places were given a second treatment.

A large number of private properties were inspected, and advice given on the best methods to deal with those very minor infestations. In some cases the treatment was carried out by the Rodent Operator.

During the year the new poison "Warfarin" was tried on Egginton Tip and found to be successful.

THE PREVENTION OF DAMAGE BY PESTS (THRESHING & DISMANTLING OF RICKS) REGULATIONS, 1950.

One successful prosecution was instituted against a threshing contractor, for non-compliance of the above regulations during the year.

INFECTIOUS DISEASES.

On receipt of notifications of infectious diseases the premises are inspected and investigation is made.

Disinfection is carried out where required.



Prescribed particulars on the administration of the  
Factories Act, 1937.

1.- INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises (1)	M/c line No. (2)	Number on Register (3)	Number of			M/c line No. (7)
			Inspec- tions (4)	Written Notices (5)	Occupiers Prosecuted (6)	
(i) Factories in which Sections 1,2,3,4 & 6 are to be enforced by Local Authority	1	6	10	-	Nil	1
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	2	66	17	2 Informal	Nil	2
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)	3	Nil	Nil	Nil	Nil	3
<b>TOTALS</b>		72	27	2	-	

CASES IN WHICH DEFECTS WERE FOUND:-

Particulars (1)	M/c line No. (2)	Number of cases in which defects were found				No. of cases in which prosecutions were instituted (7)	M/c line No. (8)
		Found (3)	Remedied (4)	Referred To H.M. Inspector (5)	By H.M. Inspector (6)		
Want of cleanliness (S.1)	4	-	-	-	-	-	4
Overcrowding (S.2)	5	-	-	-	-	-	5
Unreasonable temperature (S.3)	6	-	-	-	-	-	6
Inadequate ventilation (S.4)	7	-	-	-	-	-	7
Ineffective drainage of floors (S.6)	8	-	-	-	-	-	8
Sanitary Conveniences (S.7)							
(a) insufficient	9	-	-	-	-	-	9
(b) unsuitable or defective	10	2	2	-	-	-	10
(c) not separate for sexes	11	-	-	-	-	-	11
Other offences against the Act (not including offences relating to Outwork)	12	-	-	-	-	-	12
<b>TOTALS</b>		2	2	-	-	-	

There were eight Outworkers reported as employed within the Council's area during the year.

The Outworkers' premises have been inspected, and in each case found to be satisfactory.



## SECTION F.

## NOTIFIABLE DISEASES DURING YEAR 1952.

Disease	Total cases notified	Cases admitted to Hospital	Total Deaths
Small-pox	-		-
Scarlet Fever	16	4	-
Diphtheria	-		-
Enteric Fever:-			-
Typhoid	-		-
Paratyphoid	2	2	-
Puerperal Pyrexia	2	1	-
Meningococcal Infection	1	1	-
Erysipelas	2	-	-
Ophthalmia Neonatorum	-	-	-
Acute Poliomyelitis:-			-
Paralytic	1	1	-
Non-paralytic	1	1	-
Pneumonia	6	-	-
Dysentery	31	(All Pastures Hosp.)	-
Food Poisoning	-		-
Measles	178	4	-
Whooping Cough	93	1	-

The cases of Scarlet Fever occurred in the following parishes:-  
Mickleover 8, Burnaston 2, Hartshorne 2, Repton 1, Drakelow 1, Hatton 1,  
Radbourne 1. The cases of Poliomyelitis were in the parishes of  
Hartshorne and Mickleover.

No case of food poisoning was notified in the district for 1952,  
but as the result of the investigations into two outbreaks of food  
poisoning from food supplied by a canteen located in the Rural District,  
it was discovered that there were three cases of Staphylococcus Aureus  
(coagulase positive) phage pattern 53/75/77 food poisoning.

## CASES OF NOTIFIABLE DISEASES AT VARYING AGES DURING 1952.

Disease	Age Groups												Total	
	0-	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	60-		
Small-pox														-
Scarlet Fever			1	2	1	10	2							16
Diphtheria														-
Enteric Fever:-														-
Typhoid														-
Paratyphoid			1			1								2
Puerperal Pyrexia								1	1					2
Meningococcal Infection		1												1
Erysipelas									2					2
Ophthalmia Neonatorum														-
Acute Encephalitis														-
Acute Poliomyelitis:														-
Paralytic			1											1
Non-paralytic									1					1
Pneumonia						1				2		3		6
Dysentery									16	5	4	6		31
Food Poisoning														-
Measles		6	6	13	18	19	81	15	15	5	-	-		178
Whooping Cough		5	8	10	14	9	46	1	-	-	-	-		93



PARTICULARS OF NEW CASES OF TUBERCULOSIS AND  
OF DEATHS FROM THE DISEASE IN THE AREA DURING 1952.

	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	-	-	-	-	-	-	-	-
1 - 5	-	-	-	-	-	-	-	-
5 - 16	1	-	-	4	-	-	-	-
16 - 24	1	2	-	-	-	-	-	-
24 - 35	1	2	-	-	-	1	-	-
35 - 45	-	1	-	-	-	-	-	-
45 - 55	-	1	-	-	1	-	-	-
55 - 65	-	-	-	-	2	-	-	-
65 and over	-	-	-	-	-	-	-	-
<b>Totals</b>	<b>3</b>	<b>6</b>	<b>-</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>-</b>

Cases treated in Sanatoria, etc.

County Sanatorium	1
Outwoods "	1
Bretby Hall	1
Derwent Hospital, Derby	1

DIPHTHERIA IMMUNISATION:

The following table for England and Wales shows the dramatic decline in the disease since the national immunisation campaign was launched in 1940:-

<u>Year</u>	<u>Deaths</u>	<u>Notifications</u>
1940	2,480	46,281
1941	2,641	50,797
1942	1,827	41,404
1943	1,371	34,662
1944	934	23,199
1945	722	18,596
1946	472	11,986
1947	244	5,609
1948	156	3,575
1949	84	1,890
1950	49	962
1951	33	664
1952	31*	365*

\* provisional

The County Medical Officer has kindly supplied the following details of Diphtheria Immunisation record cards received during the period 1st January, 1952 to 31st March, 1953, in respect of children immunised during the year 1952. (Primary immunisations only):-

<u>Age</u>				
Under one year	..	..	..	6
One	..	..	..	106
Two	..	..	..	44
Three	..	..	..	13
Four	..	..	..	3
Five to Nine (inclusive)	..	..	..	60
Ten to Fourteen	..	..	..	12
<b>Total</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>244</b>



MAINTENANCE OF NEW CASES OF TUBERCULOSIS AND  
OF OTHER FORMS OF DISEASE IN THE AREA DURING 1952

Age Group	New Cases		Total	
	Respiratory	Non-Respiratory	Respiratory	Non-Respiratory
Under 1 year	1	1	2	0
1-4	1	1	2	0
5-9	1	1	2	0
10-14	1	1	2	0
15-19	1	1	2	0
20-24	1	1	2	0
25-29	1	1	2	0
30-34	1	1	2	0
35-39	1	1	2	0
40-44	1	1	2	0
45-49	1	1	2	0
50-54	1	1	2	0
55-59	1	1	2	0
60-64	1	1	2	0
65-69	1	1	2	0
70-74	1	1	2	0
75-79	1	1	2	0
80-84	1	1	2	0
85-89	1	1	2	0
90-94	1	1	2	0
95-99	1	1	2	0
<b>Totals</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>0</b>

Cases treated in Sanatoria, etc.

County Sanatorium  
Grove  
Bretby Hall  
District Hospital, Derby

CHLAMYDIA INFECTION

The following table shows the number of cases of Chlamydia infection reported in the County during the period 1952 to 1951. The figures are based on the number of cases reported to the County Council by the County Sanatorium, Grove, and the District Hospital, Derby.

Year	Sanatorium, Grove	District Hospital, Derby	Total
1952	21*	0	21
1951	49	0	49
1950	108	0	108
1949	156	0	156
1948	204	0	204
1947	252	0	252
1946	300	0	300
1945	348	0	348
1944	396	0	396
1943	444	0	444
1942	492	0	492
1941	540	0	540
1940	588	0	588
1939	636	0	636
1938	684	0	684
1937	732	0	732
1936	780	0	780
1935	828	0	828
1934	876	0	876
1933	924	0	924
1932	972	0	972
1931	1020	0	1020
1930	1068	0	1068
1929	1116	0	1116
1928	1164	0	1164
1927	1212	0	1212
1926	1260	0	1260
1925	1308	0	1308
1924	1356	0	1356
1923	1404	0	1404
1922	1452	0	1452
1921	1500	0	1500
1920	1548	0	1548
1919	1596	0	1596
1918	1644	0	1644
1917	1692	0	1692
1916	1740	0	1740
1915	1788	0	1788
1914	1836	0	1836
1913	1884	0	1884
1912	1932	0	1932
1911	1980	0	1980
1910	2028	0	2028
1909	2076	0	2076
1908	2124	0	2124
1907	2172	0	2172
1906	2220	0	2220
1905	2268	0	2268
1904	2316	0	2316
1903	2364	0	2364
1902	2412	0	2412
1901	2460	0	2460
1900	2508	0	2508
1899	2556	0	2556
1898	2604	0	2604
1897	2652	0	2652
1896	2700	0	2700
1895	2748	0	2748
1894	2796	0	2796
1893	2844	0	2844
1892	2892	0	2892
1891	2940	0	2940
1890	2988	0	2988
1889	3036	0	3036
1888	3084	0	3084
1887	3132	0	3132
1886	3180	0	3180
1885	3228	0	3228
1884	3276	0	3276
1883	3324	0	3324
1882	3372	0	3372
1881	3420	0	3420
1880	3468	0	3468
1879	3516	0	3516
1878	3564	0	3564
1877	3612	0	3612
1876	3660	0	3660
1875	3708	0	3708
1874	3756	0	3756
1873	3804	0	3804
1872	3852	0	3852
1871	3900	0	3900
1870	3948	0	3948
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1868	4044	0	4044
1867	4092	0	4092
1866	4140	0	4140
1865	4188	0	4188
1864	4236	0	4236
1863	4284	0	4284
1862	4332	0	4332
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1860	4428	0	4428
1859	4476	0	4476
1858	4524	0	4524
1857	4572	0	4572
1856	4620	0	4620
1855	4668	0	4668
1854	4716	0	4716
1853	4764	0	4764
1852	4812	0	4812
1851	4860	0	4860
1850	4908	0	4908
1849	4956	0	4956
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1847	5052	0	5052
1846	5100	0	5100
1845	5148	0	5148
1844	5196	0	5196
1843	5244	0	5244
1842	5292	0	5292
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1839	5436	0	5436
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1837	5532	0	5532
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1835	5628	0	5628
1834	5676	0	5676
1833	5724	0	5724
1832	5772	0	5772
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1829	5916	0	5916
1828	5964	0	5964
1827	6012	0	6012
1826	6060	0	6060
1825	6108	0	6108
1824	6156	0	6156
1823	6204	0	6204
1822	6252	0	6252
1821	6300	0	6300
1820	6348	0	6348
1819	6396	0	6396
1818	6444	0	6444
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1816	6540	0	6540
1815	6588	0	6588
1814	6636	0	6636
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1802	7212	0	7212
1801	7260	0	7260
1800	7308	0	7308
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1798	7404	0	7404
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1793	7644	0	7644
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1781	8220	0	8220
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1779	8316	0	8316
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1777	8412	0	8412
1776	8460	0	8460
1775	8508	0	8508
1774	8556	0	8556
1773	8604	0	8604
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1771	8700	0	8700
1770	8748	0	8748
1769	8796	0	8796
1768	8844	0	8844
1767	8892	0	8892
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1763	9084	0	9084
1762	9132	0	9132
1761	9180	0	9180
1760	9228	0	9228
1759	9276	0	9276
1758	9324	0	9324
1757	9372	0	9372
1756	9420	0	9420
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1754	9516	0	9516
1753	9564	0	9564
1752	9612	0	9612
1751	9660	0	9660
1750	9708	0	9708
1749	9756	0	9756
1748	9804	0	9804
1747	9852	0	9852
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1744	9996	0	9996
1743	10044	0	10044
1742	10092	0	10092
1741	10140	0	10140
1740	10188	0	10188
1739	10236	0	10236
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1736	10380	0	10380
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1734	10476	0	10476
1733	10524	0	10524
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1729	10716	0	10716
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1726	10860	0	10860
1725	10908	0	10908
1724	10956	0	10956
1723	11004	0	11004
1722	11052	0	11052
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1720	11148	0	11148
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1716	11340	0	11340
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1713	11484	0	11484
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1709	11676	0	11676
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