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GRANTHAM RURAL DISTRICT COUNCIL.

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

For the Year 1914.

CHARLES H. D. ROBBS,

Medical Officer of Health.

ORANGE COUNTY HEALTH DEPARTMENT

ANNUAL REPORT

of the

MEDICAL OFFICE OF HEALTH

For the Year 1914.

WALTER W. H. HARRIS

Medical Officer of Health

GRANTHAM RURAL DISTRICT COUNCIL.

CHARLES H. D. ROBBS,
Medical Officer of Health.

Gentlemen,

In accordance with instructions from the Local Government Board, I have the honour to submit my Eighth Annual Report on the Health and Sanitary Condition of the Rural District, together with other information dealing with the administration of the various Acts for the maintenance of Public Health. Before dealing with the routine material of the year, I shall make some necessary remarks about the formation of a large Camp in your district, and various matters in connection with its Sanitary Administration.

BELTON CAMP.

The Eleventh Northern Division of the New Army has been for the last four months of the year quartered in the parish of Belton. Your Sanitary Officers were requested by the Local Government Board to give what assistance was possible to the military authority in the matters of camp sanitation, disposal of refuse, etc. Your Council considered it advisable that the

Sanitary Inspector should temporarily devote his whole time to the work of the district, and an arrangement to this effect was accordingly made. Many visits have been made to the Camp and active co-operation obtained with the Military Authority.

The problems of disposal of excrement, sullage water and refuse were of great magnitude, and the conditions not altogether ideal. It is not necessary that the various schemes should here be detailed, but it may be stated that, on the whole, the sanitary arrangements have worked satisfactorily, and the health of the camp generally has been good, and the incidence of infectious disease remarkably small.

Your Council placed its Isolation Hospital at the disposal of the Military Authority, to be utilized in the event of the occurrence of small-pox, but its use was not required.

During the last four months of the year ending December 1914, your Sanitary Inspector paid 39 visits to the Camp, and was able to give considerable assistance in these most important matters.

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It should be noted that in the various Tables at the end of this Report, the military population of the Camp is excluded, and the Vital Statistics have been calculated quite apart from it.

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I submit a brief Summary of the Vital Statistics of the District:-

SUMMARY.

Area of Rural District	85,827 acres.
Rateable Value of Land	£54,209.
Rateable Value of Buildings	£66,320.
Population - Census 1911	12,257.
Population - Estimated 1914	12,150.
Birth Rate per 1,000	20.8.
Death Rate per 1,000	12.8.
Death Rate of Infants under One Year per 1,000	79.
Number of Illegitimate Births	12, or 4.3 per cent.

NATURAL AND SOCIAL CONDITIONS OF THE DISTRICT.

Comments have been made on these subjects in the various annual reports, and there is in the present year no new feature. The amount expended on Outdoor Relief during the year was £847-3-5.

It should be noted that in the various tables at the end of this report, the military population of the County is excluded, and the vital statistics have been calculated upon the basis of the civilian population.

The following table shows the results of the vital statistics of the County for the year 1900.

SUMMARY.

Area of land, square miles	1,234.56
Population - January 1, 1900	12,345
Population - January 1, 1901	12,345
Population - January 1, 1902	12,345
Population - January 1, 1903	12,345
Population - January 1, 1904	12,345
Population - January 1, 1905	12,345
Population - January 1, 1906	12,345
Population - January 1, 1907	12,345
Population - January 1, 1908	12,345
Population - January 1, 1909	12,345
Population - January 1, 1910	12,345
Population - January 1, 1911	12,345
Population - January 1, 1912	12,345
Population - January 1, 1913	12,345
Population - January 1, 1914	12,345
Population - January 1, 1915	12,345
Population - January 1, 1916	12,345
Population - January 1, 1917	12,345
Population - January 1, 1918	12,345
Population - January 1, 1919	12,345
Population - January 1, 1920	12,345

NATURAL AND SOCIAL CONDITIONS OF THE DISTRICT.

General remarks have been made on these subjects in the various annual reports, and there is in the present year no new material. The amount expended on the subject during the year was \$100.00.

SANITARY CIRCUMSTANCES OF THE DISTRICT.

WATER SUPPLY.

In the Report for the year 1913, mention was made of an examination undertaken of all the wells in the village of Barrowby, and an adverse report was made of the water supply of this village. The question of finding a method of supplying the village with a pure water supply was discussed by the Council, but no solution was found owing to the necessary expense of each of two alternative schemes suggested. The matter still remains in abeyance. Your Medical Officer took the opportunity during the year to make further examinations of the water in some of the wells which had been cleaned out, bricked, cemented and concreted since the previous examination. In none of the cases was there an appreciable improvement in the condition of the water as revealed by analysis, and confirmation was therefore obtained of the view held that there was general contamination of the sub-soil.

It is to be hoped that this important matter will again receive the serious attention of your Council.

In the village of Great Gonerby, a few wells were found to be polluted. The most important of these was the one supplying the village school, and arrangements

were made for the scholars to obtain a pure supply of water. The School sanitary arrangements were considered to require modification, and a recommendation to this effect forwarded to the Managers. The matter was taken in hand, and fresh privies of a much more satisfactory character were installed.

In the parish of Ropsley, a polluted well was found, and an old vault privy adjacent to it was found to be in an unsatisfactory condition. Steps were taken to have this remedied.

Routine Examination of water from wells supplying newly-erected houses revealed nothing of importance.

In one case, however, the certificate under the Public Health Water Act, 1878 was refused. This was in connection with a house re-erected at Barrowby, the existing well of which was not considered to comply with the Act. The owner of an adjacent property was good enough to allow the use of a supply of wholesome water, and thus the difficulty was disposed of. It should be clearly understood that the presence of a sufficient amount of wholesome potable water is essential, and should be definitely ascertained before any building operations are begun.

RIVERS AND STREAMS.

It has been pointed out in former reports that the River Witham, which flows through your district, is liable to pollution, particularly at its source in the village of South Witham, and at Colsterworth. It has also been mentioned that a satisfactory drainage scheme for South Witham, though a difficult and costly operation, is wanted.

DRAINAGE AND SEWERAGE.

These matters are dealt with in the Inspector's report. An important Drainage Scheme has been put in hand in the village of Welby. There has always been a difficulty in disposing of the sewage here owing to the impossibility of getting a fall to dispose of the effluent, and consequently a large drain leading to a ditch has become stagnant, and an unfortunate experience of two long drawn out epidemics of scarlet fever and diphtheria respectively in the last few years has impressed on the Council the advisability of obtaining a better method for disposal of the village sewage. It has been felt that the existing unsatisfactory condition of the sewage, although not in itself the cause of such epidemics, yet produces an insanitary

THE RIVER AND THE VILLAGE

It was a beautiful day in the month of May. The river was in full flood, and the water was clear and bright. The village was situated on the bank of the river, and the houses were built on the hillside. The people of the village were busy with their work, and the children were playing in the fields. The air was fresh and cool, and the sun was shining brightly. It was a day of peace and happiness.

THE RIVER AND THE VILLAGE

There were many people in the village, and they were all busy with their work. The men were working in the fields, and the women were working in the houses. The children were playing in the fields, and the old people were sitting on the benches. The village was a beautiful place, and the people were all happy. The river was a great source of life for the village, and the people loved it very much. The water was clear and bright, and the fish were many. The people of the village were proud of their river, and they took good care of it. They kept the banks clean, and they planted trees along the river. They also built a bridge over the river, so that the people could cross it easily. The river was a great blessing for the village, and the people were all grateful to it.

state calculated to prolong and to spread epidemic illness. Accordingly, a large Scheme was prepared. This is not at present completed, but it is hoped that the next Annual Report may record that it has satisfactorily dealt with the difficulties.

CLOSET ACCOMODATION.

It has been mentioned in former reports that your sanitary officers have attempted gradually to replace old-fashioned middens by the pail system. During the year a considerable improvement in this matter has been effected in the village of Great Gonerby.

SCAVENGING.

Scavenging work has not been undertaken by the Council. It is certain that, in the greater part of the district, this work can easily be done by the residents. In the larger villages, however, and particularly in the case of Great Gonerby, it cannot be denied that the disposal of refuse has not always been satisfactorily carried out.

SANITARY INSPECTIONS OF THE DISTRICT.

An exhaustive inspection of the village of Great Gonerby was carried out by your Medical Officer and

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Sanitary Inspector, and a report was framed, and sent to the Council and also to the Board.

The chief points noted were :

- (1) An insufficiency of Closet accomodation.
In several instances there was only one privy to three houses, and in a large number of cases one for two houses.
- (2) Insanitary condition of many of the privies.
Those were chiefly of the old vault type, and some were found to be obviously defective, and both a nuisance and a danger.
- (3) The presence of several congested areas in the village, in which any defects found would be liable to produce more serious results.
- (4) The actual housing conditions were not, on the whole, bad, and have been improved since the Housing and Town Planning Act came into force. Several cottages, however, were found to be overcrowded.
- (5) The water supply by shallow wells was, except in a few instances, good.
- (6) The village drains were in good condition.
The drainage of this village has been much improved since the year 1907.

primary inspector, and a report was made to the Council and also to the Board.

The first report was made:

(1) At the first meeting of the Council.

In several instances there was only one party to these houses, and in a large number of cases for two persons.

(2) In the case of houses of more than one person, there was usually at least one person, and some cases where there were two persons, and in some cases where there were three persons.

(3) The presence of several persons in the house, in some cases where there were no persons in the house.

(4) The presence of persons in the house, in some cases where there were no persons in the house, and in some cases where there were persons in the house, and in some cases where there were persons in the house, and in some cases where there were persons in the house.

(5) The water supply in the house was, except in a few instances, good.

(6) The water supply was in good condition. The water supply in the house was in good condition. The water supply in the house was in good condition. The water supply in the house was in good condition.

Suggestions were made for the remedy of the various defects found, and instructions were given to the various owners of property. The chief alterations required were the conversion of vault closets found to be defective into pail closets, and a considerable increase in the number. ~~of~~ These were required, when possible, to be put at a distance from the house. Except in three instances, the owners showed a genuine desire to deal with the position, which had been clearly shown to be unsatisfactory, and the work was duly carried out.

In the remaining cases it was found necessary for the Council to put the work in hand, the Notices after six months' notice having ~~expired~~ been ignored.

In the village of Welby, certain drains were found to be defective, and pig-styes too near houses. These various defects were put right.

Your Medical Officer and Sanitary Inspector have made a large number of visits to various premises during the year.

The Inspector records 283 visits to various parishes.

The number of nuisances discovered in which Notices

Investigations were made for the purpose of the various
details found, and investigations were given to the various
cases of property. The chief attention required were
the conversion of each estate found to be defective
into full estate, and a satisfactory business in the
number of these were required, when possible, to be put
at a distance from the house. Except in three instances
the owner showed a genuine desire to deal with the
position, which was then clearly shown to be possible
factory, and the work was fully carried out.

In the remaining cases it was found necessary to
the Council to put the work in hand, the business being
the number of cases in the business was found to be
in the light of the business being found to be
to be the result, and the business was found to be
various details were put right.

Your personal efforts and business judgment have
made a large number of estates in various positions during
the year.
The investigation results are given in various papers.
The matter of business discovered in which business

were served was 29. This included:-

- 11 Notices re drains, involving 46 houses.
- 15 Notices re privies, involving 37 houses.
- 2 Notices re premises.
- 1 Notice re animals.

In all the cases, except the three already mentioned at Great Gonerby, the defects were made good by the various owners.

OFFENSIVE TRADES.

A knacker's yard, and a fellmonger's establishment in the district, are periodically visited.

SCHOOLS.

As in former years, the Medical Officer has co-operated with the County Medical Officer in matters dealing with Schools, such as School Closure.

The improvement effected in the sanitary condition of Great Gonerby School has been already noted.

MILK AND OTHER FOODS.

No action has been found necessary during the year. Milk sheds and the few slaughter-houses in the district are systematically inspected.

were served was 22. This included:-

- 11 Notices to attend, involving 48 hours.
- 15 Notices to attend, involving 37 hours.
- 2 Notices to attend.
- 2 Notices to attend.

In all the cases, except the three already mentioned
as being settled, the notices were sent by the
various officers.

NOTICE TO ATTEND

A notice to attend, and a notice to attend
in the district, are particularly noted.

NOTICE

As in former years, the notices to attend
are presented with the County Council Officer's notice
relating to the schools, such as school closure.
The improvement effected in the sanitary condition
of these County Council has been already noted.

THE SANITARY CONDITION

As noted in the last report, the sanitary condition
of the district has been already noted.
The improvement effected in the sanitary condition
of these County Council has been already noted.

HOUSING.

- (1) Number of dwelling-houses inspected under
and for the purposes of Section 17 of the
Act of 1909 : About 250, 84 of which
were reported upon.
- (2) Number of dwelling-houses found on inspection
to be in an unfit state for habitation : 15.
- (3) Number of representations made to the local
authority with a view to the making of
Closing Orders : Nil.
- (4) Number of closing Orders made : Nil.
- (5) Number of houses in which defects were
remedied without making closing orders : 75.
Nine houses are being dealt with under the
Public Health Act, 1875.
- (6) General Character of defects found:-
Poor accomodation, especially in the
bedrooms.
Leaky and defective roofs, small windows,
general dilapidations.
Outside nuisances, viz,-drains, privies,
pig-stys, and house refuse.

EXHIBIT

(1) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

(2) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

(3) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

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(6) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

(7) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

(8) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

(9) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

(10) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

(11) Number of telephone calls received during the period of the investigation, and for the purpose of Exhibit II of the report of the Committee, dated April 25, 1954, and the report of the Committee, dated April 25, 1954.

Mention has been made in former years as to the accomodation in the district for the housing of the working classes, and as to the particular villages in which there was a deficiency.

The Council in the year 1913 erected four cottages in the village of Carlton Scroop, and the additional year's experience has shown the utility of the scheme.

On a particular day in the year, it was found that 38 inmates slept in the four houses. The large majority were young children, and in two instances the downstairs room as well as the three bedrooms were used for sleeping purposes, but even so, it is obvious that accomodation was stretched to its uppermost, and it is difficult to imagine how the various families could have contrived to reside in less commodious premises. A scheme for building new cottages at South Witham was suggested, and negotiations were begun, but they fell through. It is probable that at a later date the question of housing in this village will receive the Council's attention, but the present time is obviously not one to choose for inaugurating building schemes.

London has been with its former years as the

most famous in the world for the beauty of the

working classes, and as the most famous village

in which there was a democracy.

The Council in the year 1815 moved from London

to the village of Littlebury, and the following

year's experience has shown the utility of the move.

On a resolution in the year, it was found that

the number of people in the town was 1,000.

There were 1,000 people, and in the town the population

was 1,000 people, and in the town the population

was 1,000 people, and in the town the population

was 1,000 people, and in the town the population

was 1,000 people, and in the town the population

was 1,000 people, and in the town the population

was 1,000 people, and in the town the population

was 1,000 people, and in the town the population

During the year, the following houses were built:-

A residence at Great Gonerby for Mr. Burton,
A dwelling-house at Great Gonerby for Mrs. Poyle,
A residence at Barrowby for Mr. R. Garratt,
A Cottage at Barrowby for Mr. Bullock,
Two farm cottages at Stroxtun for Sir C. Welby,
Two cottages, Great North Road, Stoke for
C. Turnor Esq.,
Additional bedrooms to 2 Cottages, Honington
Heath Farm,
Additional bedrooms to 3 cottages at Sudbrook
Heath,
Alterations and additions to Cottage at Great
Ponton for Lord Dysart,
An additional bath-room and bedroom at Barrowby
for Mr. Baines,
New Stabling at Colsterworth, for Capt. Bland.

The plans of the buildings were required to be submitted to the Council, and to conform to the Bye-Laws. These Bye-Laws have been found to be of very great value.

INFECTIOUS DISEASE.

The incidence of Infectious Disease in the district during the year is shown in Table 2 at the end of this Report.

During the year, the following houses were built:

A residence at Great North Road, No. 1.

A dwelling house at Great North Road, No. 2.

A residence at Hurstway for Mr. A. Johnson.

A cottage at Hurstway for Mr. Johnson.

Two large cottages at Hurstway for Mr. A. Johnson.

Two cottages, Great North Road, No. 3 and 4.

Two cottages, No. 5 and 6.

Additional cottages at 8 cottages, Hurstway.

Great North Road.

Additional cottages at 8 cottages at Hurstway.

Great North Road.

Alterations and additions to cottages at Great North Road.

Great North Road.

Additional cottages at 8 cottages at Hurstway.

Great North Road.

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Great North Road.

Alterations and additions to cottages at Great North Road.

Great North Road.

Additional cottages at 8 cottages at Hurstway.

Great North Road.

During the year, 62 Notifications were received, including 5 cases of Tuberculosis.

41 cases of Diphtheria were notified. Epidemics of the disease occurred at Welby, eight cases from January to March; at Denton, six cases from February to April; at Ingoldsby, five cases from May to July; and at Stainby, eight cases in December. Of the 41 cases, six died. The remaining cases were generally of a mild type. One severe case recovered after the operation of tracheotomy.

At the beginning of the year, the Isolation Hospital was occupied by six cases of Diphtheria.

There was no urgent necessity to re-open the hospital before the month of September, when its use ^{was} given, if required, to the Military Authority.

Subsequently to this date, your Medical Officer would have advised the removal of cases from Stainby, had the hospital been available. In this village there was extraordinary difficulty in obtaining isolation for patients suffering from the disease, in their own homes.

The Council, which in the previous year adopted Paragraph 67 of the Public Health Amendment Act, 1907, made use of the provision in two instances to provide nursing, in one case to obtain skilled nursing in the

During the year, 62 hospitalizations were received.

The following is a list of the hospitalizations.

41 cases of Diphtheria were notified. Epidemics of the disease occurred at Kato, eight cases from January to March; at Kato, six cases from February to April; at Kato, five cases from May to July; and at Kato, eight cases in December. Of the 41 cases, six died. The remaining cases were generally of a mild type. One severe case recovered after the operation of tracheostomy.

At the beginning of the year, the Kato Hospital was occupied by six cases of Diphtheria.

There was no danger of epidemic in Kato. The hospital was the only one of its kind in Kato. It was reported to the Military Authority.

Extensively in this case, your Medical Officer would have advised the removal of cases from Kato. The hospital was available. In this village there was extraordinary difficulty in obtaining isolation for patients suffering from the disease, as their own houses.

The Council, which in the present year adopted Paragraph 47 of the Public Health Amendment Act, 1907, made use of the provision in two instances to provide isolation, in one case to obtain skilled nursing in the

case of tracheotomy previously mentioned, and in the second case to obtain help where a whole household was down with the disease.

In each instance, the procedure was of very great benefit.

The experience of Diphtheria during the year was that the number of cases was considerably greater than in the seven former years, that it tended to assume epidemic form in at least four instances, and was difficult to stamp out.

School children were found to be chiefly affected, but School Closure which was carried out in several instances did not achieve particularly satisfactory results. It was very probable that there were cases of a mild nature which were not seen by a medical man, which acted as the source of infection in several instances.

The neighbouring areas appear to have had a similar experience of this disease. Medical practitioners in the district have made considerable use of the facilities supplied by the Council in examining throat swabs of suspected cases, and the free supply of anti-diphtheria serum.

SCARLET FEVER.

Eleven cases were notified during the year, occurring

in seven different houses. This is a satisfactorily small number, and no other comment need be made upon this disease.

TUBERCULOSIS.

Of this disease, to which rightly very much importance is attached, there were only five cases notified during the year, one being pulmonary tuberculosis, and the other four being cases where other parts of the body were involved.

These cases were visited, the surroundings in three instances being good, and in two not good.

In the year 1913, seventeen notifications of this disease were received, and the great decrease in the year 1914 must be considered to be fortuitous, and the subsequent years likely to show a considerable increase.

In any reflections on the subject of Tuberculosis, however, it should be borne in mind that the disease is one which can be stamped out, and the Regulations of the last few years have this end in view.

An increasing number of investigations of sputum has been made during the year.

INFANTILE MORTALITY.

The deaths of 20 children under the age of one year were registered during the year, and the death rate of

in every different power. This is a satisfactory
result, and no other comment need be made upon
this disease.

TUBERCULOSIS.

Of this disease, so which is a very much important
in its nature, there were only five cases notified during
the year, one being pulmonary tuberculosis, and the other
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These cases were visited, the surroundings in these
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disease were received, and the great decrease in the year
1914 was so accounted as to be satisfactory, and the
subsequent years likely to show a considerable increase.
In any reflections on the subject of tuberculosis,
however, it should be borne in mind that the disease is
one which can be stamped out, and the Regulations of the
last few years have this end in view.

An increasing number of investigations of this
has been made during the year.

INFANTILE MORTALITY.

The death of 20 children under the age of one year
were registered during the year, and the death rate of

infants per 1,000 births is found to be 79. This is quite a satisfactory low figure, and a reference to Table I will show that during the last five years the infantile mortality has on four out of the five occasions been under 100 per 1,000. This is very well below the average for the whole of England, and is in accordance with expectations that the conditions in a rural area are more conducive to infantile welfare than in more densely populated parts of the country. Your Council did not adopt the Early Notification of Births Act, and, as has been remarked in former reports, the statistics as to infantile mortality show no necessity for the adoption of the Act.

VITAL STATISTICS.

The corrected number of births for the year, including two inward transfers, is 253, which represents a rate of 20.8 per 1,000, the average for the United Kingdom being 24.4. The Birth Rate is therefore a low one, and with the exception of the year 1913, when with 246 births the rate was 20.2, it is the lowest for seventeen years. The number of illegitimate births was 12, or 4.3 per cent.

The number of deaths registered in the district was 133, and with 23 inward transfers added the nett deaths

The average per 1,000 living persons in 1914 is
 10.1, which is satisfactory for the time, and a reflection
 of the fact that the rate of increase of the living
 population is not one of the living
 population has been 10.1 per 1,000. This is very well
 below the average for the whole of Europe, and is in
 accordance with expectations that the conditions in a
 rural area are more conducive to a healthy living than
 in some densely populated parts of the country. From
 1901 to 1914 the rate of increase of the living
 population has been 10.1 per 1,000, and, as has been
 mentioned in former reports, the
 population as a whole is healthy and is increasing
 at the rate of 10.1 per 1,000.

VITAL STATISTICS

The average number of marriages in 1914 was
 10.1, which is a record for the country, and represents
 a rate of 10.1 per 1,000, the average for the United
 Kingdom being 10.1. The rate of increase of the living
 population in 1914 was 10.1, which is a record for
 the country, and is the highest rate for
 any year. The number of marriages in 1914 was
 10.1, which is a record for the country, and represents
 a rate of 10.1 per 1,000.

The number of deaths registered in 1914 was
 10.1, which is a record for the country, and represents
 a rate of 10.1 per 1,000.

are 100, representing a rate of 12.0 per 1,000.

The Population on which these figures are calculated has been estimated to be 12,150, and in arriving at this figure, the large number of soldiers and workers in connection with the Camp at Belton has not been included, and no deduction has been made for an appreciable number of residents now absent in the service of their country.

The causes of death are detailed in Table 3. The Table does not show any striking features. As compared with the previous year, there are found to be more deaths from pneumonia--ten against four--, but a considerable decrease in cancer,--11 against 25. Eleven inquests were held on nine violent deaths and one case of suicide, and one case of death from Natural Causes.

SANITARY ADMINISTRATION OF THE DISTRICT.

This is carried by the Medical Officer of Health and Sanitary Inspector, each of whom, in conjunction and separately, have made many visits to various parts of the District during the year.

No new local Acts were adopted during the year, and the procedure adopted in dealing with infectious disease does not differ from that outlined in former reports.

Yours faithfully,

CHARLES H. D. ROBBS.

The statistics on which these figures are calculated
have been estimated to be 12,100, and the carrying capacity
there, the large number of soldiers and workers in
connection with the Camp of Soldiers has not been
included, and no deduction has been made for an
approximate number of residents now absent in the
service of their country.

The causes of death are detailed in Table 2. The
Table does not show any striking features. As compared
with the previous year, there are found to be some deaths
from pneumonia--an increase from-- but a considerable
decrease in cancer--it remains 25. Liver diseases
were high on some violent cases and one case of
cholera, and one case of death from bacterial disease.

CAUSAL ADMINISTRATION OF THE DISTRICT

This is carried by the Medical Officer of Health
and Sanitary Inspector, each of whom, in consultation
and separately, have made many visits to various parts
of the District during the year.

No new local laws were adopted during the year,
and the provisions relating to dealing with infectious
diseases have not been less than outlined in former

reports.
Yours faithfully,
CHARLES H. T. ROBERTS

REPORT OF THE SANITARY INSPECTOR

For the Year 1914.

Gentlemen,

During the year I have made 283 visits to different parishes in the district, of which 39 were made to the Belton Camp.

DITCHES.-Outfall sewage ditches have been cleaned in the parishes of Barrowby, Great Gonerby, Gelston, Harlaxton, Ingoldsby, Lavington, South Witham, Sudbrook and Welby.

CESS-POOLS.-Village cesspools have had attention in Boothby, Denton, Manthorpe, Hough-on-the-hill, Barrowby, and Ropsley.

A house-to-house Inspection at Gonerby has been most helpful in abolishing a number of foul privy middens.

At Welby, inspection disclosed certain drains defective, and pig-stys too near houses. These matters were put in order. The treatment of the outfall from this village is now nearly completed.

BARROWBY WATER.-A wier has been erected at Mier's Spring, and a regular record of the gauging made. There is every reason to believe there is an ample supply of water

REPORT ON THE SALINITY OF THE

For the year 1914

Continued

During the year I have made 283 visits to different

places in the district, of which 33 were made to the

Saline Camp.

WATER-TO-ROADS - Several new roads have been opened in

the vicinity of Buxton, Great Buxton, Buxton, Buxton,

and Buxton, Buxton, Buxton, Buxton, Buxton, Buxton, Buxton, Buxton,

WATER-TO-ROADS - Several new roads have been opened in

Buxton, Buxton, Buxton, Buxton, Buxton, Buxton, Buxton, Buxton,

and Buxton.

A house-to-house inspection at Buxton has been made

helpful in obtaining a number of local private matters.

At Buxton, inspection was made of the water supply

and the water supply was found to be satisfactory.

order. The treatment of the water from the village is

now nearly completed.

WATER-TO-ROADS - A new road has been opened at Buxton

and a new road has been opened at Buxton.

every season to Buxton there is an ample supply of water

Work done under the Housing and Town Planning Act,
and other matters dealt with during the year are incorporated in the Medical Officer of Health's report.

Yours faithfully,

H. C. RUDKIN.

Work done under the Housing and Town Planning Act,
and other matters dealt with during the year are
reported in the National Office of Health's report.

Yours faithfully,

H. O. RUSKIN.

T A B L E 1.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1914 AND PREVIOUS YEARS.

Name of District :- G R A N T H A M R U R A L.

Year	Population estimated to middle of each year.	<u>Births</u>	Total Deaths registered in the District.	Transferable Deaths. Non-Residents.	Nett Deaths belonging to the District.		
					Under 1 year of age.	At all ages.	
	No.	Rate.	No.	Rate.	No.	Rate per 1000 net Births.	No. Rate.
1909	12575	292	23.22	167	13.6	32	109.8
1910	12540	260	20.75	136	10.8	24	92.3
1911	12257	274	22.35	148	12.07	25	91.2
1912	12250	277	22.6	140	11.4	26	93.8
1913	12200	276	20.2	154	12.4	21	85.4
1914	12150	253	20.8	133	9.5	2	25
						20	79
						156	12.8

Area of district in acres,)
land and inland water.)

85,827

Number of Inhabited Houses

-

Total Population at all ages - 12,257

Average Number of Persons per house -

T A B L E II.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING 1914.

Name of District:-GRANTHAM RURAL.

<u>NOTIFIABLE</u> <u>DISEASE.</u>	At all ages	<u>NUMBER OF CASES NOTIFIED.</u>						Total Cases Removed to Hospital.
		Under 1 year.	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	
Diphtheria, in- cluding Mem- branous Croup	41	2	4	27	2	6	0	6
Erysipelas	5	0	0	0	0	2	3	0
Scarlet Fever	11	0	2	7	0	2	0	0
Pulmonary Tuberculosis	1	0	0	0	0	1	0	0
Other forms of Tuberculosis	4	1	0	0	2	0	1	0
TOTALS	62	3	6	34	4	11	4	6

Isolation Hospital:-

Whalobone Lane, Grantham.

TABLE III.

CAUSES OF, AND AGES AT, DEATH DURING THE YEAR 1914.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the district.								
	ALL AGES.	Under one year.	1 to 2	2 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 & up- wards.
Diphtheria and Croup	6	0	0	0	5	1	0	0	0
Influenza	6	0	0	1	0	0	0	2	3
Other tuberculous diseases	4	2	0	0	0	1	0	1	0
Cancer, malignant disease	11	0	0	0	1	0	2	5	3
Organic heart disease	26	0	0	0	1	0	2	6	17
Bronchitis	10	2	1	1	0	0	0	0	6
Pneumonia (all forms)	10	3	2	1	1	0	0	1	2
Other diseases of respiratory organs	2	0	0	1	0	0	0	0	1
Diarrhoea and Enteritis	5	3	0	1	0	0	0	0	1
Cirrhosis of Liver	1	0	0	0	0	0	0	1	0
Alcoholism	1	0	0	0	0	0	1	0	0
Nephritis and Bright's Disease	5	0	0	0	0	0	4	1	0
Other accidents and diseases of pregnancy and Parturition	1	0	0	0	0	0	1	0	0
Congenital debility and Malformation including prema- ture birth	7	7	0	0	0	0	0	0	0
Violent deaths, excluding suicide	9	0	0	0	0	2	4	2	1
Suicide	1	0	0	0	0	0	1	0	0
Other defined diseases	51	3	0	1	0	2	2	8	35
Totals	156	20	3	6	8	6	17	27	69

Deaths in Institutions : Nil.

TABLE III

TABLE IV.

1914.-Nett Deaths from stated causes at various ages under 1 Year.

<u>CAUSE OF DEATH.</u>	Under one year. week.	1 to 2 wks	2 to 3 wk	3 to 4 wk	Total under 4 weeks	1 to 3 mth	3 to 6 mth	6 to 9 mth	9 to 12 mth	Total deaths under 1 year.
Other Tuberculous diseases	0	0	0	0	0	1	0	1	0	2
Convulsions	0	1	0	0	1	0	0	0	1	2
Bronchitis	0	0	0	1	1	1	0	0	0	2
Pneumonia (all forms)	0	0	0	0	0	0	0	2	1	3
Premature birth	3	0	2	0	5	0	0	0	0	5
Atrophy, Debility and Marasmus	0	0	0	0	0	0	2	0	0	2
Other Causes	0	0	0	1	1	0	0	0	0	1
Totals	3	1	2	2	8	4	2	3	3	20

NETT BIRTHS IN THE YEAR:

Legitimate 241

Illegitimate 12

NETT DEATHS IN THE YEAR:

Legitimate Infants 19

Illegitimate Infants 1

1914-1915

Year	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	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