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... THE ...
ANNUAL REPORT
... ON ...
**The Health,
Sanitary Condition,
ETC., ETC., OF THE
COUNTY BOROUGH OF HASTINGS,
FOR THE YEAR
1921.**

BY

A. SCARLYN WILSON,

M.A., M.B., D.P.H., CANTAB., M.R.C.S., ENG.,

**MEDICAL OFFICER OF HEALTH ; FELLOW OF THE INCORPORATED
SOCIETY OF MEDICAL OFFICERS OF HEALTH.**

ST. LEONARDS :

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MCMXXII.

TO THE
MAYOR, ALDERMEN, AND BURGESSES
OF THE
COUNTY BOROUGH OF HASTINGS.

LADIES AND GENTLEMEN,

I have the honour to submit to you my Annual Report on the Sanitary Condition of the Borough in the year 1921.

In accordance with the directions of the Health Ministry the Report on this occasion consists chiefly of summaries and statistical tables embodying the result of the year's work in the various services connected with the Sanitary Department.

The birth-rate which, in the exceptional circumstances prevailing in 1920, reached 19·1 per thousand, relapsed in 1921 to the more normal figure for this District of 14·3; the number of births declining from 1,146 to 850.

Nett deaths of persons belonging to the Borough which in 1920, were 850, were 852 in 1921, and the death-rate, 14·3, was practically the same in both years, and the corrected death-rate 12·0 per thousand of population. The rate of infantile mortality was again very low being only 52 per thousand of births against 51 in 1920. Taking the last two years together the rate of infantile mortality has been less in Hastings than in any of the other 96 great towns of England and Wales.

Notifications of Infectious Diseases were unusually few in number. Enteric Fever was conspicuous by its absence, and the death-rate from the seven chief epidemic diseases was only 0·17 per thousand of the population.

Considerable progress was made with the erection of the Council houses for the working classes; but the completion of these leaves quite untouched the problem of providing decent accommodation for the poorest and the worst housed.

In conclusion I have to tender my sincere thanks to the Members of the Public Health Committee and to other Members of your Council for the assistance always afforded to myself and my staff in the execution of our many and varied duties.

I am, Ladies and Gentlemen,

Yours faithfully,

A. SCARLYN WILSON, D.P.H.,

Medical Officer of Health.

Town Hall Chambers,
Queen's Road,
Hastings.

AREA.

The County Borough of Hastings, facing almost due south on the English Channel, occupies an area (including 373 Acres of Fore-shore) of 4,857 Acres. Its Eastern and Northern boundaries are formed by lofty hills which afford considerable shelter from the winds blowing from those quarters. Open land lies to the West of the town.

SOCIAL CONDITIONS.

The Borough is largely residential and an excellent educational centre with a large and now increasing number of Preparatory Schools. As a Health and Holiday Resort the chief industry of the town is the provision of accommodation in Hotels and Apartment-houses for its numerous visitors.

POPULATION.

At the Census of 1911, the population of the Borough was 61,145 which had increased at the recent Census to 66,496.

The Registrar General estimates the resident population of the district at 59,500 and estimates that there were in the Borough at the time when the Census was taken 7,000 non-residents or visitors.

It will be remembered that the taking of the Census was deferred on account of the coal strike from April to June, at which time, as shown by enquiry from the leading Hotels and Railway Authorities, the number of visitors was extremely small owing to the coal strike, and in my opinion the non-residents in the town at the time were remarkably few, and the Registrar General's estimate of visitors is placed too high. However, for the purposes of this report I have used the Registrar General's estimate of population.

1. GENERAL STATISTICS.

Area (acres)	...	...	..	...	...	4,857
Population (1921), Census	...	...	...	...	...	66,496
Number of inhabited houses 1921	...	...	...	...	...	(not available)
Number of families or separate occupiers (1921)	...	...	...	...	...	(not available)
Rateable Value	...	...	...	...	...	£422,566 10s.
Sum represented by a penny rate	...	...	...	...	...	£1,660

2. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

		Total	M.	F.		
Births	Legitimate	806	416	390	Birth Rate (R.G.)	14.3
	Illegitimate	44	24	20		
Deaths		852	386	466	Death Rate (R.G.)	14.3

Number of women dying in, or in consequence of child-birth :—

From sepsis	...	...	...	...	1
From other causes	...	...	...	...	5

Deaths of infants under one year of age per 1,000 births :—

Legitimate—49 ; Illegitimate—91 ; Total—52.

Deaths from Measles (all ages) ...	...	Nil
„ „ Whooping Cough (all ages) ...	...	1
„ „ Diarrhœa (under 2 years of age) ...	...	6

There has been no excessive mortality from any cause.

56 per cent. of all deaths were of persons aged 65 and upwards.

3. NOTIFIABLE DISEASES DURING THE YEAR.

DISEASE.	Total Cases Notified.	Cases Admitted to Hospital.	Total Deaths.*
Diphtheria ...	19	18	2
Scarlet Fever ...	79	71	1
Enteric Fever (including Para-typhoid) ...	Nil	Nil	Nil
Puerperal Fever ...	4	2	1
Pneumonia ...	38	2	53
Other diseases generally notifiable)	See Table II. at the	end of this	Report.
Other diseases notifiable locally...			
Tuberculosis :—	M. ...	45	42
(a) Pulmonary ...	F. ...	30	28
	Total ...	75	70
(b) Non-pulmonary ...	M. ...	1	5
	F. ...	2	10
	Total ...	3	15

* For analysis of total Deaths see Table III. at the end of this Report.

DEATHS FROM THE SEVEN CHIEF EPIDEMIC DISEASES.

	1913	1914	1915	1916	1917	1918	1919	1920	1921
Smallpox	...	...	...	...	...	...	...	...	...
Scarlet Fever.....	...	...	...	...	3	...	1	...	1
Diphtheria	2	1	9	15	...	4	4	14	2
Enteric Fever	...	1	...	...	...	2	...	5	...
Measles	4	...	28	3	10	12	...	6	...
Whooping Cough... ..	7	4	7	6	11	10	4	4	1
Diarrhœa									
(under 2 years)	12	7	1	1	3	2	3	9	6
Total.....	25	13	45	25	27	30	12	38	10

CASES OF OPTHALMIA NEONATORUM NOTIFIED DURING THE
YEAR 1921.

CASES.			Vision Un- impaired.	Vision Impaired.	Total Blindness.	Deaths.
Notified.	Treated.					
	At Home.	In Hospital.				
7	6	1	7	Nil	Nil	Nil

PROFESSIONAL NURSING IN THE HOME.

- A. GENERAL.—The Hastings and St. Leonards District Nursing Association employs a staff of nurses who visit, where required, the sick poor. This nursing is not provided by the local Authority. In addition to these, in three Parishes a nurse is provided in connection with the Parish Church.
- B. FOR INFECTIOUS DISEASES, *e.g.*, MEASLES, ETC.—The local Authority subsidises the District Nursing Association, paying a retaining fee and a small fee for each visit paid.

MIDWIVES.

The Corporation does not employ any practising midwives or grant them any subsidy.

The number of Midwives practising in the District during the year was 12 of whom 9 belonged to the Hastings and St. Leonards District Nursing Association. The remaining three practised independently and with one exception hold the necessary certificates. The only uncertificated Midwife has an extensive practice which she carries out satisfactorily.

CLINICS AND TREATMENT CENTRES.

INFANT WELFARE CENTRES.

Four Infant Welfare Centres have been established in the Borough by the Hastings and St. Leonards Service of Help for Motherhood and Infancy. Each of these Centres is open on one afternoon in each week and at every session one or other of the Health Visitors appointed by the Council is in attendance.

1. At the Halton Centre now installed at the Hope Clinic at which there is also a School Clinic, Dr. Farnfield attends all sessions on Wednesdays at 2.30 p.m. At this address an Ante-Natal Clinic is now held on Mondays.

2. At Park View House, Upper Park Road, there is also a School Clinic. Dr. Stanley attends all sessions which are held every Thursday afternoon at 2.45.

3. At No. 39a Tackleway, in the Old Town, Dr. Farnfield attends every Friday for the weekly sessions which are held at 2.30 p.m.

4. At the West St. Leonards Council Schools the sessions are held every Tuesday at 3 p.m., under the supervision of Dr. Gerald Ticehurst, who attends weekly.

For maternity cases no special hospital is available, but complicated cases are eligible for admission to the East Sussex Hospital, where infants and young children suffering from wasting diseases are also received.

Still-births of infants are inquired into by the Health Visitors in the course of their duties.

BIRTHS NOTIFIED IN 1921.

Total Births 883 ; Males 455, Females 428, (including 37 still-births).

Notified by Midwives	...	...	...	...	...	452
„ „ Parents and Doctors	...	...	...	...	...	369
„ „ Registrar	..	...	...	...	...	60
„ „ Health Visitors	...	...	...	...	...	2
						883

HOME VISITING.

The chief duty of the Health Visitors appointed by the Council, is the home visiting of mothers and young children.

Their Visits during the year were as follows :—

To Expectant Mothers	1st Visits, 103	Total Visits, 121
To Infants under 1 year	1st Visits, 842	Total Visits, 3,716
To Children 1-5 years	Total Visits, 1,995.	

INFANT FEEDING.

Babies born in 1921 and regularly visited by the Health Visitors.

District.	No. of Cases regularly visited.	Breast Fed for (6 Months)	Mixed Fed.	Reasons for Mixed.			Bottle Fed.	Reasons for Bottle.		
				Health.	Work.	Un-willing.		Health.	Work.	Un-willing.
Hastings ..	342	227	82	74	7	1	33	29	4	—
St. Leonards	259	167	63	57	6	—	29	26	1	2
Totals ...	601	394	145	131	13	1	62	55	5	2

TUBERCULOSIS.

The Tuberculosis Dispensary is established in the Out-patients department of the East Sussex Hospital, where two sessions weekly are held, viz., on Wednesday evening and Saturday at noon. The Tuberculosis Officer is the Medical Officer of Health and he is assisted there in his work by the Tuberculosis Health Visitor. The attendances for the four quarters of 1921 was as follows :—

	Insured.	Non-Insured.	Military (D.C.M.S.)	Total.
March Quarter ...	214	179	49	442
June Quarter ...	204	206	59	469
September Quarter	151	136	56	343
December Quarter	173	159	43	375
Totals ...	742	680	207	1,629

and the number of individual Patients who attended during the Year.

	Insured.	Non-Insured.	Total.
Men (including Military) ...	160	5	165
Women ...	28	45	73
Children ...	—	37	37
Totals ...	188	87	275

NOTIFICATIONS OF TUBERCULOSIS.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the year 1921.

Age Periods.	Number of Notifications on Form A.											Number of Notifications on Form B.					Number of Notifications on Form C.					
	Number of Primary Notifications.											Total Notifications on Form A.					Number of Primary Notifications.			Total Notifications on Form B.	Poor Law Institutions.	Sanatoria
	Total Primary Notifications.											Total Primary Notifications.					Under 5	5 to 10	10 to 15			
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and upwards	Total Primary Notifications.	Under 5	5 to 10	10 to 15	Total Primary Notifications.						
Pulmonary Males	...	...	2	1	1	5	9	12	8	7	4	49	55	...	1	1	1	2	43			
" Females	...	...	...	2	3	3	13	3	5	2	7	38	42	...	1	1	1	2	28			
Non-Pulmonary Males	...	...	1	1	...	1	...	...	...	...	...	3	4	...	...	...	...	1	...			
" Females	1	...	...	1	2	...	1	...	1	1	...	6	7	...	...	...	...	1	1			

TUBERCULOSIS.

HOME VISITING FOR YEAR 1921.

Primary Visits	...	...	...	...	...	122
Secondary Visits	...	...	...	...	...	1,389
Naval and Military Cases	...	...	...	...	...	331
Special Visits for Tuberculosis Care Committee	...	...	...	...	...	160
Visits to Contacts	...	...	...	...	...	58
Visits paid but Patient not at home	...	...	...	...	...	279
Total						<u>2,339</u>

VENEREAL DISEASES CLINIC.

The Venereal Diseases Clinic is also installed in the Out-patients' department of the East Sussex Hospital and is provided by the Borough Council. It is available by arrangement for patients from the East Sussex Area.

HOSPITALS.

TUBERCULOSIS.

An Institution, "Darvell Hall," has been opened at Robertsbridge for the treatment of pulmonary tuberculosis in both sexes and at all stages by the East Sussex County Council, where the Borough Council has obtained the use of thirty beds for patients from Hastings. 25 Patients from the Borough and East Sussex were also admitted to the Block set apart for tuberculosis at the Borough Sanatorium. These were chiefly non-pulmonary patients.

FEVER.

The Isolation Hospital is in the St. Helen's District. It provides accommodation for 36 fever patients in three blocks, and for 17 female patients suffering from tuberculosis in a special block separated by a double fence from the isolation buildings. The majority of fever patients belong to the Borough, but by agreements with neighbouring rural authorities in East Sussex patients are admitted from their districts as well.

From these areas fever patients were newly admitted in 1921 to the number of 128, of whom 108 belonged to Hastings. Adding 20 patients in the fever wards at the opening of the year the total number of such patients under treatment was 148, against 218 in 1920.

YEAR'S WORK IN THE BOROUGH SANATORIUM,
1921.

Disease.	Number in Hospital Jan. 1st, 1921.	Admitted during Year.	Died.	Discharged	Remaining in Hospital Dec. 31st, 1921.
Scarlatina ...	8	91	1	89	9
Diphtheria ...	4	32	2	31	3
Enteric ...	8	1	—	9	—
Cerebro-Spinal Fever ...	—	1	1	—	—
Measles ...	—	1	—	1	—
Observation ...	—	2	—	2	—
Total of Fever Cases	20	128	4	132	12
Tuberculosis ...	14	25	3	26	10
Grand Total ...	34	153	7	158	22

Of the Tuberculosis cases, 15 were Borough patients, and 10 East Sussex County Council, and of the Fever cases, 1 of Enteric, 15 of Scarlet Fever, and 4 of Diphtheria were patients residing outside the Borough.

The two observation cases proved to be non-infectious.

SMALL-POX.

The accommodation for Small-Pox is provided at Brede which is outside the Borough. It is always kept in readiness for the reception of patients but its accommodation was not required in 1921. A number of beds are retained by neighbouring Sanitary Authorities, so that it is practically the Small-Pox Hospital for the Eastern portion of East Sussex.

HOSTEL.

For unmarried mothers going out to work and for their infants in the first year of life arrangements have been made to send such when necessary to a Hostel at Eastbourne.

AMBULANCE FACILITIES.

For infectious cases the local Authority provides an ambulance.

For non-infectious cases and accidents ambulance facilities are provided by the St. John's Ambulance Brigade, and by the Police.

LABORATORY WORK.

Pathological specimens examined at the Laboratory included the following :—

Sputa for Tuberculosis	...	...	760
Throat Swabs for Diphtheria	...	...	450
Blood for Widal re-action	...	...	25
Total	...	...	1,235

Diphtheria antitoxin is kept at every police station in the Borough and issued to Medical Practitioners when required.

Influenza Vaccine and Tetanus Antitoxic Serum were issued from the Public Health Department to Medical Practitioners when required.

Local Acts and Provisional Orders in force in the Borough, obtained by or immediately affecting the Corporation.

Certain Sections of Hastings Paving Act, 1832. (2 Wm. iv., Ch. xci.).

Hastings Improvement Act, 1885 (48 and 49 Vic., ch. cxcvi.) as amended, etc., by Hastings Corporation Act, 1900, and Hastings Corporation (Water and Finance) Act, 1911.

The Hastings Corporation Act, 1900 (63 and 64 Vic., cap. cclxvi.) as amended by Hastings Corporation (Water and Finance) Act, 1911 (1 and 2 Geo. V., cap. xxxix.).

Adoptive Acts in force in the Borough.

The Public Health Acts Amendment Act, 1890 (53 and 54 Vic., ch. lix.)—The whole Act came into operation on 5th May, 1891).

The Infectious Diseases Notification Act, 1889 (52 and 53 Vic., cap. lxxii.)—came into operation on 7th July, 1891.

Certain Sections of the Public Health Acts Amendment Act, 1907, under Orders made by the Home Secretary on the 11th January, 1909, and the Local Government Board on the 14th September, 1909.

The Notification of Births Act, 1907 (7 Edw. VII., ch. 40)—came into operation on the 20th June, 1914.

SANITARY INSPECTION OF DISTRICT.

INSPECTIONS.

Inspection and Re-inspection of premises	...	...	14,375
Houses and Premises inspected	...	...	3,912
Complaints investigated	...	...	252
Complaints investigated under Rats and Mice (Destruction) Act	...	...	9

PRELIMINARY NOTICES.

Number of Notices served during the Year 1921	...	1,002
„ „ „ complied with during the Year 1921	...	966
„ „ „ not complied with during the Year 1921	...	6
„ „ „ reported to the Public Health and Housing and Improvements Committee during the Year 1921	...	48
„ „ „ served during the Year 1921 which are still receiving attention	...	23
„ „ „ served during the Year 1921 which were partly complied with	...	7

The great majority of Nuisances are dealt with by the Inspectors interviewing the Owners or Agents, without service of written notices.

LEGAL NOTICES.

Number of Legal Notices served by the Town Clerk during the Year 1921	...	115
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THE INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTIONS) ACT, 1920.

Number of Premises inspected under the Increase of Rent and Mortgage Interest (Restrictions) Act, 1920, during the Year 1921	...	68
Number of Certificates granted during the Year 1921	...	57

INSPECTORS' SUMMARY FOR THE YEAR 1921.

	Eastern District.	Western District.	Northern District.	Central District.	Total.
Drain tests applied	105	96	341	91	633
Houses and premises provided with new water-tight drains, properly intercepted and ventilated	19	16	78	8	121
Cesspools emptied and cleansed	10	—	38	—	48
Cesspools abolished	—	—	35	—	35
Drains cleared and amended	48	56	11	41	156
New iron and lead, soil, and ventilating pipes fixed	21	18	68	9	116
New closets fixed	15	33	51	27	126
Closets amended	41	28	57	30	156
New flushing boxes provided, necessary storage cisterns being fixed where required	21	36	31	55	143
Flushing boxes repaired	35	27	66	17	145
Houses and premises provided with a proper supply of water	4	5	13	5	27
Glazed stoneware sinks fixed, fitted with proper waste-pipes, and trapped where necessary	14	39	31	22	106
Yards repaved	25	21	67	35	148
Sanitary Ash-bins provided	355	200	23	411	989
Accumulations of manure and other refuse removed	65	11	8	65	149
Rooms, etc., cleansed and whitewashed ...	348	209	227	292	1,076
Nuisances abated from animals improperly kept	10	7	3	13	33
Nuisance abated from chimneys sending forth black smoke	—	—	—	3	3
Enquiries made respecting cases of infectious diseases	110	29	25	56	220
Nuisances abated from overcrowding ...	5	—	2	4	11
Manure pits constructed	—	—	—	2	2
Miscellaneous repairs	115	224	84	125	548
New cowsheds built	—	—	—	—	—
Visits to Cowsheds	11	7	39	13	70
Visits to Slaughterhouses	19	81	417	250	767
New W.C.'s erected	—	6	8	3	17
Cellar dwellings closed	—	—	—	—	—
New urinals constructed	1	—	—	2	3

1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.
INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries)	43	3	—
Workshops (Including Workshop Laundries)	259	29	—
Workplaces (Other than Out Workers' Premises included in Part 3 of this Report) ...	1,012	31	—
Total	1,314	63	—

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

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts :— *</i>				
Want of cleanliness	107	99	...	...
Want of Ventilation	1	1	...	...
Overcrowding	...	...	...	...
Want of drainage of floors	3	3	...	...
Other Nuisances	82	82	...	...
Sanitary accommo- dation {	insufficient	1	1	...
	unsuitable or defective	15	12	...
	not separate for sexes	1	1	...
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouse (S. 101)	...	...	...	...
Breach of special sanitary requirements for bakehouses (SS. 97 to 100)	...	...	...	...
Other offences— (Excluding offences relating to outwork which are included in Part 3 of this Report)	...	...	...	...
Total	210	202	...	...

*Including those specified in Sections 2, 3, 7, and 8, of the Factory and Workshops Act as remediable under the Public Health Acts.

Class.	Number.
4.—REGISTERED WORKSHOPS.	
Workshops on the register (S. 131) at the end of year.	
Important classes of work-shops, such as workshop bakehouses, may be enumerated here.	
Total number of workshops on Register ...	324
5.—OTHER MATTERS.	
Matters notified to H.M. Inspector of Factories :—	
Failure to affix Abstract of the Factory and Workshop Act (S. 133, 1901) ...	1
Action taken in matters referred by H. M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts (S. 5, 1901) ...	Notified by H.M. Inspector ... Nil.
	Reports (of action taken) sent to H.M. Inspector ... Nil.
Other ...	
Underground Bakehouses (S. 101) :—	
Certificates granted during the year ...	Nil.
In use at the end of the year ...	29

REPORT OF THE INSPECTOR OF COMMON LODGING HOUSES FOR THE YEAR ENDED 31ST DECEMBER, 1921.

All the Registered Common Lodging Houses in the Borough have been kept in a cleanly and satisfactory condition during the year.

The premises are regularly cleaned, etc., twice a year, and the bedding, etc., cleansed and renewed at regular intervals.

No cases of infectious diseases have been notified from the Houses, nor has anything of an unusual nature occurred.

The Keepers exercise great care and maintain the premises in a satisfactory condition.

SHOPS ACT.

The Inspectors carried out the duties required of them under the Act, and a large number of visits were made to the shops.

A large number of notices were served drawing the occupiers' attention to the fact that they were not exhibiting certain notices as required under the Act, and also to other infringements.

THE DAIRIES, COWSHEDS, AND MILK SHOPS ORDERS OF 1885, ETC.

The number of persons registered as carrying on the trades of Cow-keepers, Dairymen, and Purveyors of Milk within the Borough during the year was as follows :—Cow-keepers 24, Dairymen 40, and Purveyors of Milk 64.

These premises have all been visited and are kept in a fairly satisfactory condition.

Practically all the cow-sheds are situated in the Rural portions of the District.

SLAUGHTERHOUSES.

There is no public abattoir in the Borough and slaughtering is done in 19 privately owned slaughter-houses of which four are registered and 15 licensed, 3 of the latter being licensed for the slaughtering of swine only. There is also one house licensed for the slaughtering of horses.

These slaughter-houses are kept in satisfactory condition and those which are readily accessible are under constant supervision. The more distant ones are visited at frequent intervals and at times when slaughtering is in progress.

FOOD CONDEMNED DURING THE YEAR 1921.

MEAT (TUBERCULOSIS).

<i>Heifers.</i>	<i>Cows.</i>	<i>Steers.</i>
4 Carcases.	4 Carcases.	2 Carcases.
2 Fore-quarters.	1 Udder.	2 Heads.
Lungs, head, skirt and Tongue.		2 Tongues.
		2 Sets Lungs.
		1 Liver.
<i>Pigs.</i>	<i>Beef.</i>	
1 Carcase.	4 Fore-quarters.	
1 Head.		

MEAT (OTHER THAN TUBERCULOUS).

<i>Heifer.</i>	<i>Mutton.</i>	<i>Pigs.</i>
1 Carcase.	1 Carcase.	6 Carcases.
<i>Turkeys.</i>	<i>Beef.</i>	<i>Calves.</i>
10 (Frozen).	1 Hind-quarter.	1 Carcase.
<i>Chicken.</i>	449 lbs. Hind-quarter.	
2.	145 lbs ,,	
	2 Buttocks.	
	1 Sirloin.	
	1 Loin.	
	1 Fore-quarter.	
	6 lbs. Thick Flank.	
<i>Tripe.</i>	<i>Oxtails.</i>	<i>Suet.</i>
16 Boxes.	53 lbs.	6 lbs.
<i>Bullocks' Hearts.</i>		
61 lbs.		

also Tongues, Livers, Kidneys, and other parts, and also a large quantity of Tinned Meat.

FISH CONDEMNED DURING 1921.

<i>Sprats.</i>	<i>Coalfish.</i>	<i>Herrings.</i>
22 Boxes.	11 Cases.	40 Boxes.
$\frac{1}{2}$ Barrel.	4 Kits.	35 Cases.
	55 Stones.	13 Barrels.
		5 Kits.
		14 Stones.

<i>Kippers.</i>	<i>Dabs.</i>	<i>Cod.</i>
171 Boxes.	2 Boxes.	8 Cases.
2 Stones.	1 Case.	2 Boxes.
	1 Kit.	90 Stones.
	26 Stones.	
<i>Fillets.</i>	<i>Mixed Fish.</i>	<i>Bloaters.</i>
24 Boxes.	1 Box.	11 Boxes.
8 Cases.	1 Case.	4 Stones.
	9 Stones.	
<i>Plaice.</i>	<i>Magrims.</i>	<i>Whelks.</i>
4½ Cases.	4 Cases.	5 Bushels.
20 Stones.		
<i>Mackerel.</i>	<i>Shrimps.</i>	<i>Whiting.</i>
100 Boxes.	13½ Bushels.	28 Cases.
1 Case.		2½ Barrels.
16 Stones.		1 Box.
235		
<i>Haddocks.</i>	<i>Salmon.</i>	<i>Small Fryers.</i>
39 Boxes.	12	3 Cases.
23 Cases.		1 Kit.
73 Stones.		
<i>Lemon Soles.</i>	<i>Crabs.</i>	<i>Craw Fish.</i>
2 Cases.	2 Barrels.	7 Tins.
	1 Box.	
<i>Roker.</i>	<i>Sardines.</i>	<i>Dog Fish.</i>
1 Barrel.	210 Tins.	2 Barrels.
		6 Cases.
		6 Stones.
<i>Gurnards.</i>	<i>Cat Fish.</i>	<i>White Bait.</i>
12 lbs.	4 Cases.	4 Boxes.
	5 Boxes.	
	1 Stone.	
<i>Oysters.</i>	<i>Lobsters.</i>	
1 Bag.	13	

177 Mackerel were seized and condemned by a Magistrate. Vendor fined 6d. for each Mackerel. Total £4 8s. 6d. (or 6 week's imprisonment).

Total weight of Fish Condemned ... 3,420 Stones.

SUNDRIES.

<i>Milk.</i>	<i>Pickles.</i>	<i>Rabbit.</i>
49 Tins.	1 Bottle.	2 Tins.
<i>Baked Beans.</i>	<i>Butter.</i>	<i>Parsnips.</i>
3 Tins.	2 lbs. 2ozs.	11 cwts.
<i>Eggs.</i>	<i>Apples.</i>	<i>Sausages.</i>
887	40 lbs.	18 lbs.
<i>Cucumbers.</i>	<i>Milk Powder.</i>	
12 Dozen.	1 $\frac{1}{4}$ cwts.	
also a large quantity of other Tinned Foods.		

DISINFECTION.

The work of the Disinfecting Staff included the following :—

Rooms fumigated	...	...	...	...	...	498
Sets of Bedding removed and disinfected	...	...	...	...	...	1,531

A large number of carpets, hangings, clothing, etc., were removed and disinfected.

The Local Hospitals are visited daily for the collection of soiled dressings to be destroyed, and from Public Institutions, Hospitals, and Homes, 1,061 mattresses 2,680 pillows, 1,392 blankets and 245 bolsters were removed and disinfected. These numbers are exclusive of work carried out by the Staff in dealing with Tuberculosis, and of much work done for upholsterers in the cleansing and disinfection of various articles of furniture. For the Police, cells were fumigated and blankets were cleansed.

Under the Tuberculosis Regulations a large quantity of bedding was removed from the homes of patients and disinfected and 125 rooms were fumigated.

CLEANSING STATION.

During the year 1,447 baths were given to children from the various Elementary Schools in the Borough, and at the same time their clothing was disinfected.

There is, unfortunately, no power compelling adults to submit themselves to this treatment, the result being that in a certain percentage of cases the children of the household become re-infested by those not of school age, and the process has to be repeated time after time. In bad cases the homes themselves

are sprayed or fumigated, white-washed, and cleansed under the supervision of the sanitary staff; but all these efforts are rendered nugatory if a single member of the household remains untreated. Cleansing of verminous persons of any age should be compulsory, not permissive, and in all probability special powers will be applied for under a new local Act, which is under contemplation, to deal with such persons.

SAMPLES PURCHASED DURING THE YEAR ENDED 31ST DECEMBER,
1921, UNDER THE SALE OF FOOD AND DRUGS ACTS.

Milk	...	...	...	...	72
Butter	...	...	...	...	30
Baking Powder	...	...	...	...	19
Mustard	...	...	...	...	4
Pepper	...	...	...	...	7
Flour	...	...	...	...	10
Sugar	...	...	...	...	3
Cream	...	...	...	...	16
Margarine	...	...	...	...	14
Cheese	...	...	...	...	1
Lard	...	...	...	...	12
Tapioca	...	...	...	...	2
Sago	...	...	...	...	2
Oatmeal	...	...	...	...	1
Cocoa	...	...	...	...	1
Coffee	...	...	...	...	4
Tinned Peas	...	...	...	...	4
Tinned Fish	...	...	...	...	1
Meat Paste	...	...	...	...	3
Sausage	...	...	...	...	1
Sweets	...	...	...	...	11
Vinegar	...	...	...	...	3
Spirits	...	...	...	...	9
Glycerine	...	...	...	...	2
Anchovies	...	...	...	...	1
Total...	...	...	...	...	233

PROSECUTIONS.

- 1 Cream. Vendor fined £5 including Costs.
1 Whisky. " " £5 and £1 2s. 6d. Costs.

PUBLIC HEALTH (MILK AND CREAM) REGULATIONS,
1912 AND 1917.

1. Milk ; and Cream not sold as Preserved Cream.

	(a) Number of Samples examined for the Presence of a Preservative.	(b) Number in which Preser- vative was reported to be present, and Percentage of Preservative found in each Sample.
Milk	71	Nil.
Cream	11	1 Boric Acid 39%

Nature of preservative in each case in column (b) and action taken under the Regulations in regard to it.—Boric Acid. Vendor fined £5 including costs.

2. Cream sold as preserved Cream.—5.

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

(i) Correct statements made ... 5

(ii) Statements incorrect ... Nil.

Total ... 5

(iii) Percentage of preservative found in each sample. Percentage stated on Statutory label.
Not more than 4% 4%.

(b) Determinations made of Milk fat in cream sold as preserved cream.

(i) Above 35 per cent. ... 5

(ii) Below 35 per cent. ... Nil.

Total ... 5

(c) Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V. (1) and the proviso in Article V. (2) of the Regulations have not been observed.—Nil.

(d) Particulars of each case in which the Regulations have not been complied with, and action taken.—Nil.

3. Thickening substances. Any evidence of their addition to cream or to preserved cream. Action taken where found.—Nil.

4. Other observations, if any.—Nil.



*With the Medical Officer
of Health's Compliments.*

*Health Department,
Town Hall Chambers,
Hastings,*

15th September 1922

Public Health (Miscellaneous) Report

1912

1. Milk and Cream in the State of Ohio

THE STATE OF OHIO
DEPARTMENT OF AGRICULTURE
BUREAU OF MILK AND CREAM
COLUMBUS, OHIO



1912

74

1912

1912

1. Milk and Cream in the State of Ohio

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1. Milk and Cream in the State of Ohio

REPORT OF PUBLIC ANALYST FOR YEAR ENDED
31ST DECEMBER, 1921.

Hastings,

February 15th, 1922.

To the Mayor and Corporation of Hastings.

Gentlemen,

I have the honour to present my Annual Report as Public Analyst for the Year ended December 31st, 1921. During the year 238 Samples have been submitted to me and seven have been reported against, being 3 spirits, 2 milks, 1 cream and 1 tinned fish. A sample of peas which had been reported against or objected to, to the Authority, did contain a minute quantity of copper but not sufficient to give any suspicion that an addition had been made for colouring or other purposes. A small quantity of copper is perfectly natural. The spirit cases were infringements of Spirit Regulations only, and in one case proceedings were taken, resulting in a fine. The milks were slightly under the Government presumptive standards, and gave improved results when followed up. The cream was a case of the addition of preservatives without the statutory declaration, and the vendor was fined. The fish was of foreign origin and was promptly removed from sale.

The general improvement in the milk samples reported last year has been well maintained and there has been a marked absence of flagrant adulteration.

The following is a classified summary of the Articles examined.

I have the honour to remain,

Your obedient Servant,

(Signed) H. F. CHESHIRE,

Public Analyst.

Milk	71	Brought for...	155	Brought for....	206
Cream	16	Margarine ...	16	Tinned Fish ...	1
Butter	31	Baking Powder	19	Meat Paste ...	3
Cheese	1	Mustard ...	4	Sausage ...	1
Lard	14	Sugar	3	Sweets	11
Coffee	4	Tapioca	2	Vinegar	4
Flour	10	Sago	2	Spirits	10
Cocoa	1	Oatmeal	1	Glycerine ...	2
Pepper	7	Tinned Peas ...	4		
				Total	238
Carried for. ...	155	Carried for. ...	206		

PUBLIC HEALTH STAFF.

Medical Officer of Health (Part time).	...	DR. A. SCARLYN WILSON, D.P.H.
Tuberculosis Officer	... ..	DR. A. SCARLYN WILSON, D.P.H.
Medical Officer, Borough Sanatorium and Pathologist (Part time).	...	DR. A. H. H. HUCKLE, D.P.H.
Medical Officer, Venereal Diseases Clinic	... ..	DR. A. H. H. HUCKLE, D.P.H.
4 Sanitary Inspectors, also Inspectors under the Shops Acts, Inspectors under the Sale of Food and Drugs Acts, Inspecting Officers, under the Housing Town Planning Regulations, Inspectors under the Fabrics, (Misdescription) Act, Officers under the Rats and Mice (Destruction) Act, and Official Samplers under the Fertilizers and Feeding Stuffs Act	... ..	MR. R. WILSON KING, Certificate, Royal Sanitary Institute. MR. E. H. ANDREWS, Certificate, Royal Sanitary Institute. MR. E. W. JONES, Certificate, Royal Sanitary Institute, Royal Sanitary Institute's Certificate as Inspector of Meat and other Foods. MR. H. F. VENESS, Certificate, Royal Institute of Public Health, Royal Sanitary Institute's Certificate as Inspector of Meat and other Foods.
1 Health Visitor (Tuberculosis)	... ..	MISS S. A. MYERS, Certificate, C.M.B., General Training, Middlesex Hospital. 2 years Brompton Chest Hospital.
2 Health Visitors. (Maternity and Child Welfare)	... ..	MISS L. ANDREW. Three years General and Certificate C.M.B. MISS T. HARRIS. Certificate 3 years General Training, St. Bartholomew's Hospital, Certificate C.M.B., Certificate, Royal Sanitary Institute. Maternity and Child Welfare Worker's Certificate.

STATISTICS OF THE VENEREAL DISEASES CLINIC IN 1921.

	Syphilis.		Soft Chancre.		Gonorrhœa		Conditions other than Venereal.		Total.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Number of persons who, on the 1st January, 1921, were under treatment or observation for ...	49	49	...	...	35	6	9	6	93	61
2. Number dealt with during the year in the out-patient Clinic for the first time and found to be suffering from :—										
Syphilis only ...	51	41	...	...	...	...	...	...	51	41
Soft chancre only ...	...	...	4	...	...	...	...	...	4	...
Gonorrhœa only ...	...	...	...	...	46	13	...	...	46	13
Syphilis and soft chancre ...	...	...	...	...	...	...	...	...	...	...
Syphilis and Gonorrhœa ...	1	...	...	...	1	...	...	...	2	...
Gonorrhœa and soft chancre ...	...	...	1	...	1	...	...	...	2	...
Syphilis, soft chancre and Gonorrhœa ...	...	...	...	...	...	...	...	...	...	...
Conditions other than Venereal ...	...	...	...	...	...	...	48	38	48	38
Total—Item 2 ...	52	41	5	...	48	13	48	38	153	92
Total—Items 1 & 2 ...	101	90	5	...	83	19	57	44	246	153
3. Number of persons who ceased to attend the out-patient Clinic										
(a) before completing the first course of treatment for ...	20	2	...	...	6	...	...	...	26	2
(b) after one or more courses but before completion of treatment for ...	1	3	...	...	...	...	...	...	1	3
(c) after completion of treatment but before final tests as to cure of ...	2	8	...	...	10	2	...	...	12	10
4. Number of persons transferred to other treatment Centres after treatment for ...	20	15	...	...	9	1	...	...	29	16
5. Number of persons discharged from the out-patient Clinic after completion of treatment and observation for ...	6	3	2	...	12	3	...	...	20	6
6. Number of persons who, on the 1st January, 1922, were under treatment or observation for ...	52	59	3	...	46	13	1	2	102	74
Total—Items 3, 4, 5 & 6 ...	101	90	5	...	83	19	1	2	190	111
7. Total attendances of all persons at the out-patient Clinic who were suffering from ...	697	878	32	...	699	150	135	131	1563	1159
8. Aggregate number of "in-patient days" of treatment given to persons who were suffering from ...	111	68	4	...	42	62	...	...	...	287

	For detection of			For Wassermann Reaction.
	Spirochetes.	Gonococci.	Other Organisms.	
9. Examinations of Pathological material :—				
(a) Specimens which were examined at, and by the Medical Officer of, the Treatment Centre	9	197	5	...
(b) Specimens from persons attending at the Treatment Centre which were sent for examination to an approved laboratory	...	...	...	310

Name of County or County Borough (or Country in the case of persons residing elsewhere than in England and Wales) to be inserted in these headings.	Hastings.	East Sussex.	Eastbourne.	Total.
(A). Number of persons from each area dealt with during the year at or in connection with the out-patient Clinic for the first time and found to be suffering from :				
Syphilis	71	20	1	92
Soft Chancre	4	1	...	5
Gonorrhœa	39	22	1	62
Conditions other than venereal ...	55	30	1	86
Total	169	73	3	245
(B) Total number of attendances at the out-patient Clinic of all patients residing in each area	2,226	453	43	2,722
(C) Aggregate number of "In-patient days" of all patients residing in each area	184	103	...	287
(D) Number of doses of Salvarsan substitutes given in the :—				
1. Out-patient Clinic	716	269	35	1,020
2. In-patient Department	18	2	...	20
to patients residing in each area.				

The Salvarsan substitutes used in treatment were Galyl '02 to '4, Novarseno-billon '15 to '6, Silver Salvarsan '15, Neokharsivan '15 to '6 (occasionally '9) Sulpharsinol '18 to '36 in a few cases.

15 patients suffering from Venereal Diseases died during 1921.

Gonorrhœa. 1, Female.

Syphilis. 4, Females.

Syphilis. 10, Males.

Salpingitis, Peritonitis.

(1) Puerperal sepsis.

(2) Abdominal Gumma. (Operation).

(3) Haemorrhagic Purpura.

(4) Marasmus. (5 weeks).

(1) Sarcoma of Leg.

(2) Malig. disease of throat.

(3) Progressive muscular Atrophy.

(4) Cerebral Tumour? Gumma.

(5) Thrombosis of veins of neck.

(Had no treatment).

(6) Epithelioma of tongue.

(7) General Paralysis of the Insane.

(8) Nephritis. (Had no treatment).

(9) Aneurysm of Aorta.

(10) Ascites, enlarged liver.

(A child, age 7, died in a few days).

PUBLIC ELEMENTARY SCHOOLS.

All the Public Elementary Schools are provided with water from the mains, and are in good sanitary condition. They provide accommodation for 10,095 children, but the average number on the Registers in 1921 was only 7,225 with an average attendance of 6,556 the percentage attendance in 1921 being 90·7.

EXCLUSION FROM SCHOOL IN 1921.

1.	For Infectious Diseases (including Rheumatism and Influenza)	216
2.	„ Skin Diseases (including Ringworm)	182
3.	„ Diseases of Throat and Tonsils	123
4.	„ Nervous Diseases (including Chorea and Epilepsy)	40
5.	„ Digestive Diseases	35
6.	„ Respiratory Diseases	135
7.	„ Cardiac Diseases	14
8.	„ Injuries	16
9.	„ Diseases of Ears	8
10.	„ Diseases of Eyes	9
11.	„ Tubercular Diseases. (Definite or suspected) ...	4
12.	„ Other Diseases	73
Total		855

SCHOOL CLOSURE.

The following departments were closed owing to outbreaks of infectious diseases in 1921:—

	Departments.	School Days.
Diphtheria and Sore Throats	Junior Mixed ...	4
Chicken Pox	Infants	13

Making a total of 2 Closings for a total of 17 school days.

Six children of school age were reported to the School Authorities by the Medical Officer of Health to be suffering from Diphtheria, and 43 children from Scarlet Fever. This information is supplied by the Medical Officer of Health on receipt of notification that infectious disease has invaded the home of any school children and a date is given for the re-admission to school of contacts.

SECTION 17, HOUSING ACT, 1909.

Number of houses inspected and action taken.

Houses Inspected.	Houses considered unfit for Habitation.	Representations made by Medical Officer of Health.	Closing Orders made.	Dwellings in which defects were remedied without Closing Order.	Dwellings repaired etc., after Closing Order (informal).	Dwellings closed (formal).
276	24	4	2	128	8	2

Three Closing Orders made by Council but only two acted upon as premises were made fit for habitation before Order became operative in one instance.

Twelve houses which were closed voluntarily by owner have been demolished during year.

Four houses closed by the Council in preceding year were demolished during the year.

APPENDICES.

HOUSING CONDITIONS.

STATISTICS.

YEAR ENDED 31ST DECEMBER, 1921.

Number of houses erected during the Year:—

(a) Total	...	...	...	...	...	...	70
(b) As part of a Municipal Housing Scheme	...	...	...	...	...	...	46

UNFIT DWELLING HOUSES.

I. INSPECTION.

- (1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) 2,926
- (2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910 276
- (3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 24
- (4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation *972

* These figures include a number of premises found to be without proper ash-pit accommodation.

II. REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers		*931
---	--------	------

III. ACTION UNDER STATUTORY POWERS.

A. Proceedings under section 28 of the Housing, Town Planning, etc., Act, 1919 :—

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	...	5
(2) Number of dwelling-houses which were rendered fit :—		
(a) by owners	... ..	4
(b) by Local Authority in default of owners		1
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	... ..	3

B. Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	... ..	86
(2) Number of dwelling-houses in which defects were remedied :—		
(a) by owners	... ..	76
(b) by Local Authority in default of owners		10

C. Proceedings under Section 17 and 18 of the Housing, Town Planning, etc., Act, 1909 :—

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

* These figures include a number of premises found to be without proper ash-pit accommodation.

TABLE I.
BIRTH RATE, DEATH RATE, AND ANALYSIS OF MORTALITY DURING THE YEAR 1921,

(Provisional figures. Populations as enumerated in 1921 have been used for the purposes of this Table).

	Birth-rate per 1,000 Total Population.	Annual Death- rate per 1,000 Population from all Causes.	Rate per 1,000 Births.		Percentage of Total Deaths.			
			Diarrhoea and Enteritis under 2 Years.	Total Deaths under One Year.	Deaths in Public Institu- tions.	Certified Causes of Death.	Inquest Cases.	Uncertified Causes of Death.
England and Wales	22.4	12.1	15.5	83	25.5	92.5	6.4	1.1
96 Great Towns, including London (1911 Census Populations ex- ceeding 50,000)	23.3	12.3	19.3	87	33.2	92.5	6.8	0.7
148 Smaller Towns (1911 Census Populations, 20,000—50,000) ...	22.7	11.3	15.6	84	17.7	93.5	5.1	1.4
London	22.3	12.4	21.3	80	49.2	91.6	8.2	0.2
Hastings (Corrected)	14.3	12.0	7.0	52	...	93.4	6.6	Nil.

TABLE III.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1921.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of Residents, whether occurring within or without the District.									Total deaths whether of "Residents" or "Non-Residents" in Institutions in the District.
	All ages.	Under 1 year.	1 and under 2.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and up- wards.	
All Causes { Certified ...	852	44	5	10	13	17	92	194	477	241
Uncertified ...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...
Small Pox ...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	1	...	...	...	...	1	...	...	...	1
Whooping Cough ...	1	1	...	...	...	...	...	...	...	...
Diphtheria and Croup ...	2	...	...	1	1	...	...	...	...	3
Influenza ...	32	...	...	...	1	1	2	5	23	2
Erysipelas ...	3	...	...	...	...	...	...	1	2	...
Pulmonary Tuberculosis	70	...	...	...	2	8	39	16	5	30
Tuberculous Meningitis	3	...	...	2	1	...	...	...	...	3
Other Tuberculous Diseases ...	12	1	1	...	...	1	6	3	...	5
Cancer, malignant disease	127	...	...	...	...	...	6	52	69	35
Heart Disease ...	132	...	...	...	1	2	9	25	95	22
Rheumatic Fever ...	2	...	...	...	...	1	1	...	...	...
Meningitis (Septic) ...	1	...	...	...	1	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever ...	1	...	...	1	...	...	...	...	...	1
Bronchitis ...	47	3	...	...	...	...	...	2	42	6
Broncho-Pneumonia } Pneumonia ... }	53	4	1	2	1	1	4	11	29	12
Other Diseases of Respiratory Organs	13	...	...	...	1	...	2	2	8	4
Diarrhoea and Dysentery	12	5	1	...	...	...	...	3	3	1
Appendicitis & Typhlitis	4	...	...	...	1	...	...	2	1	7
Cirrhosis of Liver ...	2	...	...	...	...	...	...	...	2	...
Alcoholism ...	...	...	...	...	...	...	...	...	...	...
Nephritis and Bright's Disease ...	33	1	...	...	...	...	3	6	23	16
Malaria ...	...	...	...	...	...	...	...	...	...	...
Syphilis ...	3	2	...	...	...	...	...	1	...	1
Puerperal Fever ...	1	...	...	...	...	1	...	...	...	3
Other Accidents and Diseases of Pregnancy and Parturition	5	...	...	...	...	...	5	...	...	3
Congenital Debility and Malformation, including Premature Birth ...	20	19	1	...	...	...	...	...	...	4
Violent Deaths (excluding Suicide) ...	25	...	...	3	1	...	2	4	15	13
Suicide ...	7	...	...	...	...	...	2	2	3	...
Other defined Diseases	239	8	1	1	2	1	11	59	156	69
Diseases ill-defined or unknown ...	1	...	...	...	...	...	...	...	1	...
Totals ...	852	44	5	10	13	17	92	194	477	241

TABLE IV.

INFANT MORTALITY.

1921. Nett Deaths from stated causes at various Ages under 1 Year of Age.

CAUSES OF DEATH.		Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total deaths under 1 year.
All causes {	Certified	9	2	4	1	16	10	6	7	5	44
	Uncertified	...	...	...	...	...	...	...	...	...	...
Small-pox ...		...	...	...	...	...	...	...	...	...	...
Chicken-pox ...		...	...	...	...	...	...	...	...	...	...
Measles ...		...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...		...	...	...	...	...	...	...	...	...	...
Whooping-Cough ...		...	...	...	...	...	...	...	1	...	1
Diphtheria and Croup ...		...	...	...	...	...	...	...	...	...	...
Erysipelas ...		...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...		...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis ...		...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...		...	...	...	...	...	...	...	...	1	1
Meningitis (not Tuberculous) ...		...	...	...	...	...	...	...	...	...	...
Convulsions ...		1	...	1	...	2	...	...	2	...	4
Laryngitis ...		...	...	...	...	...	...	...	...	...	...
Bronchitis ...		...	...	...	...	...	1	...	2	...	3
Pneumonia (all forms) ...		...	...	...	...	...	1	2	...	1	4
Diarrhœa ...		...	...	1	...	1	2	2	...	...	5
Enteritis ...		...	...	...	...	...	...	...	...	...	...
Gastritis ...		...	...	...	...	...	...	...	1	...	1
Syphilis ...		1	...	1	...	1	1	...	...	...	2
Rickets ...		...	...	...	...	...	...	...	...	...	...
Suffocation, overlying		...	...	...	...	...	...	...	...	...	...
Injury at Birth ...		...	...	...	...	...	...	...	...	...	...
Atelectasis ...		...	...	...	...	...	...	...	...	...	...
Congenital Malformations		1	...	...	...	1	1	...	...	1	3
Premature Birth ...		6	...	...	...	6	3	...	...	...	9
Atrophy, Debility, and Marasmus ...		1	2	...	1	4	1	1	1	1	8
Influenza ...		...	...	...	...	...	...	...	...	...	...
Other Causes ...		...	...	1	...	1	...	1	...	1	3
Totals		9	2	4	1	16	10	6	7	5	44

Nett Births in { legitimate 806.
the year { illegitimate 44.

Nett deaths in { legitimate infants 40.
the year of { illegitimate infants 4.

TABLE IV

THEORY OF THE

1901. The following table shows the results of the experiments conducted in the year 1901.

No.	Date	Time	Temp.	Wind	Clouds	Rain	Sun	Moon	Stars	Comets	Aurora	Meteors	Other	Remarks
1	Jan 1	10:00	50	W	10	0	1	1	1	1	1	1	1	Clear sky
2	Jan 2	11:00	55	W	10	0	1	1	1	1	1	1	1	Clear sky
3	Jan 3	12:00	60	W	10	0	1	1	1	1	1	1	1	Clear sky
4	Jan 4	13:00	65	W	10	0	1	1	1	1	1	1	1	Clear sky
5	Jan 5	14:00	70	W	10	0	1	1	1	1	1	1	1	Clear sky
6	Jan 6	15:00	75	W	10	0	1	1	1	1	1	1	1	Clear sky
7	Jan 7	16:00	80	W	10	0	1	1	1	1	1	1	1	Clear sky
8	Jan 8	17:00	85	W	10	0	1	1	1	1	1	1	1	Clear sky
9	Jan 9	18:00	90	W	10	0	1	1	1	1	1	1	1	Clear sky
10	Jan 10	19:00	95	W	10	0	1	1	1	1	1	1	1	Clear sky
11	Jan 11	20:00	100	W	10	0	1	1	1	1	1	1	1	Clear sky
12	Jan 12	21:00	105	W	10	0	1	1	1	1	1	1	1	Clear sky
13	Jan 13	22:00	110	W	10	0	1	1	1	1	1	1	1	Clear sky
14	Jan 14	23:00	115	W	10	0	1	1	1	1	1	1	1	Clear sky
15	Jan 15	24:00	120	W	10	0	1	1	1	1	1	1	1	Clear sky
16	Jan 16	25:00	125	W	10	0	1	1	1	1	1	1	1	Clear sky
17	Jan 17	26:00	130	W	10	0	1	1	1	1	1	1	1	Clear sky
18	Jan 18	27:00	135	W	10	0	1	1	1	1	1	1	1	Clear sky
19	Jan 19	28:00	140	W	10	0	1	1	1	1	1	1	1	Clear sky
20	Jan 20	29:00	145	W	10	0	1	1	1	1	1	1	1	Clear sky
21	Jan 21	30:00	150	W	10	0	1	1	1	1	1	1	1	Clear sky
22	Jan 22	31:00	155	W	10	0	1	1	1	1	1	1	1	Clear sky
23	Jan 23	32:00	160	W	10	0	1	1	1	1	1	1	1	Clear sky
24	Jan 24	33:00	165	W	10	0	1	1	1	1	1	1	1	Clear sky
25	Jan 25	34:00	170	W	10	0	1	1	1	1	1	1	1	Clear sky
26	Jan 26	35:00	175	W	10	0	1	1	1	1	1	1	1	Clear sky
27	Jan 27	36:00	180	W	10	0	1	1	1	1	1	1	1	Clear sky
28	Jan 28	37:00	185	W	10	0	1	1	1	1	1	1	1	Clear sky
29	Jan 29	38:00	190	W	10	0	1	1	1	1	1	1	1	Clear sky
30	Jan 30	39:00	195	W	10	0	1	1	1	1	1	1	1	Clear sky
31	Jan 31	40:00	200	W	10	0	1	1	1	1	1	1	1	Clear sky
32	Jan 32	41:00	205	W	10	0	1	1	1	1	1	1	1	Clear sky
33	Jan 33	42:00	210	W	10	0	1	1	1	1	1	1	1	Clear sky
34	Jan 34	43:00	215	W	10	0	1	1	1	1	1	1	1	Clear sky
35	Jan 35	44:00	220	W	10	0	1	1	1	1	1	1	1	Clear sky
36	Jan 36	45:00	225	W	10	0	1	1	1	1	1	1	1	Clear sky
37	Jan 37	46:00	230	W	10	0	1	1	1	1	1	1	1	Clear sky
38	Jan 38	47:00	235	W	10	0	1	1	1	1	1	1	1	Clear sky
39	Jan 39	48:00	240	W	10	0	1	1	1	1	1	1	1	Clear sky
40	Jan 40	49:00	245	W	10	0	1	1	1	1	1	1	1	Clear sky
41	Jan 41	50:00	250	W	10	0	1	1	1	1	1	1	1	Clear sky
42	Jan 42	51:00	255	W	10	0	1	1	1	1	1	1	1	Clear sky
43	Jan 43	52:00	260	W	10	0	1	1	1	1	1	1	1	Clear sky
44	Jan 44	53:00	265	W	10	0	1	1	1	1	1	1	1	Clear sky
45	Jan 45	54:00	270	W	10	0	1	1	1	1	1	1	1	Clear sky
46	Jan 46	55:00	275	W	10	0	1	1	1	1	1	1	1	Clear sky
47	Jan 47	56:00	280	W	10	0	1	1	1	1	1	1	1	Clear sky
48	Jan 48	57:00	285	W	10	0	1	1	1	1	1	1	1	Clear sky
49	Jan 49	58:00	290	W	10	0	1	1	1	1	1	1	1	Clear sky
50	Jan 50	59:00	295	W	10	0	1	1	1	1	1	1	1	Clear sky
51	Jan 51	60:00	300	W	10	0	1	1	1	1	1	1	1	Clear sky
52	Jan 52	61:00	305	W	10	0	1	1	1	1	1	1	1	Clear sky
53	Jan 53	62:00	310	W	10	0	1	1	1	1	1	1	1	Clear sky
54	Jan 54	63:00	315	W	10	0	1	1	1	1	1	1	1	Clear sky
55	Jan 55	64:00	320	W	10	0	1	1	1	1	1	1	1	Clear sky
56	Jan 56	65:00	325	W	10	0	1	1	1	1	1	1	1	Clear sky
57	Jan 57	66:00	330	W	10	0	1	1	1	1	1	1	1	Clear sky
58	Jan 58	67:00	335	W	10	0	1	1	1	1	1	1	1	Clear sky
59	Jan 59	68:00	340	W	10	0	1	1	1	1	1	1	1	Clear sky
60	Jan 60	69:00	345	W	10	0	1	1	1	1	1	1	1	Clear sky
61	Jan 61	70:00	350	W	10	0	1	1	1	1	1	1	1	Clear sky
62	Jan 62	71:00	355	W	10	0	1	1	1	1	1	1	1	Clear sky
63	Jan 63	72:00	360	W	10	0	1	1	1	1	1	1	1	Clear sky
64	Jan 64	73:00	365	W	10	0	1	1	1	1	1	1	1	Clear sky
65	Jan 65	74:00	370	W	10	0	1	1	1	1	1	1	1	Clear sky
66	Jan 66	75:00	375	W	10	0	1	1	1	1	1	1	1	Clear sky
67	Jan 67	76:00	380	W	10	0	1	1	1	1	1	1	1	Clear sky
68	Jan 68	77:00	385	W	10	0	1	1	1	1	1	1	1	Clear sky
69	Jan 69	78:00	390	W	10	0	1	1	1	1	1	1	1	Clear sky
70	Jan 70	79:00	395	W	10	0	1	1	1	1	1	1	1	Clear sky
71	Jan 71	80:00	400	W	10	0	1	1	1	1	1	1	1	Clear sky
72	Jan 72	81:00	405	W	10	0	1	1	1	1	1	1	1	Clear sky
73	Jan 73	82:00	410	W	10	0	1	1	1	1	1	1	1	Clear sky
74	Jan 74	83:00	415	W	10	0	1	1	1	1	1	1	1	Clear sky
75	Jan 75	84:00	420	W	10	0	1	1	1	1	1	1	1	Clear sky
76	Jan 76	85:00	425	W	10	0	1	1	1	1	1	1	1	Clear sky
77	Jan 77	86:00	430	W	10	0	1	1	1	1	1	1	1	Clear sky
78	Jan 78	87:00	435	W	10	0	1	1	1	1	1	1	1	Clear sky
79	Jan 79	88:00	440	W	10	0	1	1	1	1	1	1	1	Clear sky
80	Jan 80	89:00	445	W	10	0	1	1	1	1	1	1	1	Clear sky
81	Jan 81	90:00	450	W	10	0	1	1	1	1	1	1	1	Clear sky
82	Jan 82	91:00	455	W	10	0	1	1	1	1	1	1	1	Clear sky
83	Jan 83	92:00	460	W	10	0	1	1	1	1	1	1	1	Clear sky
84	Jan 84	93:00	465	W	10	0	1	1	1	1	1	1	1	Clear sky
85	Jan 85	94:00	470	W	10	0	1	1	1	1	1	1	1	Clear sky
86	Jan 86	95:00	475	W	10	0	1	1	1	1	1	1	1	Clear sky
87	Jan 87	96:00	480	W	10	0	1	1	1	1	1	1	1	Clear sky
88	Jan 88	97:00	485	W	10	0	1	1	1	1	1	1	1	Clear sky
89	Jan 89	98:00	490	W	10	0	1	1	1	1	1	1	1	Clear sky
90	Jan 90	99:00	495	W	10	0	1	1	1	1	1	1	1	Clear sky
91	Jan 91	100:00	500	W	10	0	1	1	1	1	1	1	1	Clear sky
92	Jan 92	101:00	505	W	10	0	1	1	1	1	1	1	1	Clear sky
93	Jan 93	102:00	510	W	10	0	1	1	1	1	1	1	1	Clear sky
94	Jan 94	103:00	515	W	10	0	1	1	1	1	1	1	1	Clear sky
95	Jan 95	104:00	520	W	10	0	1	1	1	1	1	1	1	Clear sky
96	Jan 96	105:00	525	W	10	0	1	1	1	1	1	1	1	Clear sky
97	Jan 97	106:00	530	W	10	0	1	1	1	1	1	1	1	Clear sky
98	Jan 98	107:00	535	W	10	0	1	1	1	1	1	1	1	Clear sky
99	Jan 99	108:00	540	W	10	0	1	1	1	1	1	1	1	Clear sky
100	Jan 100	109:00	545	W	10	0	1	1	1	1	1	1	1	Clear sky

1901. The following table shows the results of the experiments conducted in the year 1901.