#### [Report 1920] / Medical Officer of Health, St Austell R.D.C.

#### **Contributors**

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## RURAL DISTRICT COUNCIL OF ST. AUSTELL.

# REPORT

OF THE

#### MEDICAL OFFICER OF HEALTH

FOR THE YEAR

1920.

ST. AUSTELL:
PRINTED BY W. & T. SANDERS, FORE STREET.

# To the Chairman and Members of the St. Austell Rural District Council.

Mr. Chairman, Miss Roberts and Gentlemen,

I beg to submit my Report for 1920. As you will see there are many important and urgent schemes which will require your closest and practical attention.

I feel sure that but for the great difficulties both financial and otherwise, many of these schemes would have materialised. I trust that more normal conditions will see the removal of these present obstacles.

Your obedient Servant,

E.~G.~ANDREW.

St. Austell
June 1921.

# RURAL DISTRICT COUNCIL OF ST. AUSTELL.

#### ANNUAL REPORT

OF THE

#### Medical Officer of Health

FOR THE YEAR 1920.

#### PART I.

#### VITAL STATISTICS.

The Rural District of St. Austell is situated in the southern part of Mid Cornwall, being bounded on one side by the sea and on the other sides by the Rural districts of Truro, St. Columb, Bodmin and Liskeard. It includes fifteen parishes, covering an area of 56,333 acres and having a population according to the census of 1911 of 30,423. The Registrar General's estimate of the civil population for 1920 is 33,871, shewing an increase of 11.3 per cent.

The district is generally hilly with the exception of certain moorland areas and the climate rarely shews extremes, being generally warm and humid, with a prevalent south-west wind.

The main industries of the population are clay mining, agriculture and fishing. These occupations apparently have no marked detrimental effect on the public health.

#### The Rainfall for 1920.

The following statistics were kindly supplied from observations kept by Mr. W. M. Coode.

	Inches.
January	7.25
The state of the s	
February	1.10
March	4.58
April	5.34
May	2.55
June	2.94
July	5.45
August	1.30
September	3.82
October	7.14
November	2.65
December	5.25

Total 49.37. Rain fell on 214 days.

Total for year 1919 48:40 ins Rain fell on 194 days.

#### Death-Rate.

The death-rate for 1920 on the preceding estimate of the population is 10.7 per thousand per annum. The rates for previous years were:

1912 - 12·2 1913 - 13·5 1917 - 14·7 1919 - 11·7

The percentage of deaths under one year is the same as last year, namely 10.6 per cent. of the total deaths. Deaths occurring after 65 years, 42.1 of the whole number.

The chief causes of death were: Heart Diseases 58, Bronchial Diseases 60, Nephritis 16, Phthisis 32, Cancer 33, Congenital Debility and Premature Births 20.

#### Birth-Rate.

The number of births registered was 778, which gives a rate of 22.9 per thousand of the population, compared with 14.5 for 1919. The rate for England and Wales for 1920 was 25.4. The large increase of the birth-rate compared with 1919 is no doubt due to the ending of the Great War and an inflated prosperity.

Rates for previous years :-

1912 - 21·4 1917 - 13·9

1918 - 13.4

#### Infantile Mortality.

Curiously forty-one deaths of children under one year were registered, giving an Infant Mortality rate per thousand births of 52.7, which compares with 90.0 for 1919. This is a very striking and satisfactory reduction, and in fact constitutes a record, the lowest previously recorded being 77 in 1912.

Seventeen of the deaths occurred within the first month and twenty-four in the next 11 months. No infants died from diarrhœa or enteritis. Premature births, debility, and marasmus claimed 39 per cent. of the total deaths.

Work at the Infant Welfare Centres has been carried on at St. Austell and St. Blazey. Mothers are instructed as to the well-being of their babies by the District Nurses and voluntary helpers. The medical men also give advice at stated times.

All births are now notified to the County Medical Officer of Health, who informs the health visitors and they then visit each home and advise mothers as to feeding, etc., they also report to the Medical Officer of Health any hygienic defects when found The "Milk Order" for Expectant and Nursing mothers and children under 5 years has been carried out in conjunction with the County Medical Officer. About a dozen families have been relieved. The health visitor, as a rule, recommends the supply, and if after taking into account all the circumstances of the case, I consider it meets the standard laid down by the County Council, I have granted it.

#### PART II.

#### Infectious Diseases.

DIPHTHERIA.—During the year 56 cases were notified compared with 21 for 1919, of which 32 occurred between the ages of 15 and 25. Half the cases were reported from the rural parish of St. Austell. Of all cases 5 proved fatal, giving a death-rate of 8.9 per cent. compared with 11.6 per cent. for 1919.

Scarlet Fever —The total number of cases notified was 46 compared with 41 for 1919. 37 cases were between the ages of 5 and 15. No deaths were reported. The largest number occurred in the parish of St. Dennis.

Measles.—The Ministry of Health cancelled the order for compulsory notification of measles on January 1st 1920, so that no accurate statistics are available. There was a wide-spread epidemic of this disease during the last quarter of the year, but only one fatal case was reported.

During the year the following Schools were closed for varying periods:—Meledor, Whitemoor and Mount Charles in the earlier part of the year when diphtheria and sore throats were

prevalent; Coombe was closed in March for Whooping Cough and Chicken Pox; during the last quarter Mount Charles, Carclaze and St. Stephens Infants' Schools for measles.

One case of Encephalitis Lethargica and one of Acute Poliomyelitis were notified. Death ensued in the former and occurred at St. Stephens,

the latter occurred at St. Dennis.

Malaria.—Only two cases of this disease were notified and the patients were both ex-Service men.

OPTHALMIA NEONATORUM. -- Four cases were

notified, but no permanent defects resulted.

TYPHOID FEVER is practically non-existent in this district. One case was notified, but not

proved by Widal's Reaction.

SMALL Pox.—Although St. Austell population is more or less in touch with seaports, and a certain number of the inhabitants come from and go to distant lands, no case has occurred. I have been advised from time to time of people who have come to this district from boats where infection has broken out. It seems extraordinary that more use is not made of vaccination, when the risk is so infinitesimal if properly carried out.

#### Isolation Hospital.

Neither St. Austell Rural nor Urban Districts possess an Isolation Hospital. A site has been chosen and approved by the Ministry of Health, so that in the near future this great want will be supplied. This hospital will be under the control of both authorities. I hope that a disinfector will be included which will meet the demands of the whole neighbourhood, so that clothes, etc., which are infected with lice and other parasites may be properly treated. At present there is no means of effectively disinfecting clothes or bedding.

#### Tuberculosis.

Twenty-two cases were notified of all forms, compared with 19 in 1919, of which 19 were pulmonary; 33 deaths were reported of which 26 were pulmonary. This gives a death-rate of '97 per thousand of the population, compared with '85 for 1919.

Death-rate—All forms of Tuberculosis.

1914 - 1.27 1918 - 1.55 1919 - 85 1920 - 97

There has been a serious concentration of Pulmonary Tuberculosis at Trewoon during 1919 and 1920, when seven deaths occurred, giving a death-rate for the Trewoon area of 5 per 1000 in 1919 and nearly 13 for 1920. The death-rate for Cornwall during 1919 was 1.42 per 1000. All the cases were females.

I visited all infected houses and noted that there was overcrowding in some; also that some were of the back to back type, with insufficient ventilation. The Dairies were inspected, some of them were in an excellent condition, a few very indifferent.

I wrote to Dr. Clark, the County M.O.H., and gave him details of my inspection and he wrote as follows:—

"Thanks for sending plan for me to see; it is very interesting and I think bears out my suggestion that there have been cases of 'Massive Infection' of persons visiting or otherwise brought into contact with one or two cases of Tuberculosis of the lungs in a very infectious condition. I cannot think it is likely that it is due to infection from milk, especially as you state that some of the cases are

extremely ill and others have died. If you are not satisfied with the milk supply you could arrange for a Veterinary Surgeon to examine the Cows (The Infectious Disease (Prevention) Act, 1890, s. 4). I will see Dr. Roper and let you know what is best to be done."

Dr. Roper, Senior County Tuberculosis Officer, visited Trewoon with me, and came to the opinion that "the abnormal prevalency of tuberculosis at Trewoon was due to 'Massive Infection' by persons who were very infected."

I have visited nearly all cases of tuberculosis in the rural district, and I have been struck with the apathy with which tuberculosis is regarded in a great many cases, even by people in houses where cases are living or have died.

I think the services of the Health Visitor for tuberculosis should be utilised as much as possible.

The question of overcrowding is at present an extremely difficult problem and one that has close relationship to the spread of tubercular disease. All cases notified are supplied with leaflets, pointing out the most advantageous way of living, but I am afraid in many cases they are treated as so much waste paper.

Whenever it is known that an infected person leaves a house, and in every case where a death has been notified, disinfection is carried out.

Good work is being done at the St. Austell Dispensary and by the Tuberculosis Health Visitor.

The St. Austell Guardians have the use of six beds at Didworthy Sanatorium, and the County Council provide shelters for those patients who are carrying out home treatment.

#### PART III.

#### Sanitary Circumstances of the District.

#### Water Supply.

In quality the water supply of the various parishes is usually excellent. The following districts are supplied by the Council's own Waterworks:—Tywardreath, St. Blazey, Par, Bugle, Penwithick, and the Mount Charles Special Drainage area.

TYWARDREATH AND ST. BLAZEY.—To alleviate the shortage in these districts in a very dry season steps are being taken to increase the supply by acquiring an excellent spring at Polharmon, in addition to augmenting the Carbis and Innis Moor sources.

Bugle.—A scheme has been prepared here but is not yet carried out.

Penwithick and Mount Charles Special Drainage Area. – The shortage of water in dry seasons in this area is likely to be considerably accentuated by the erection of the new Council Houses numbering between 70 and 80 in addition to private buildings. To meet the additional requirements there is a proposal to obtain an increased supply to Carclaze reservoir by pumping water from Minear Pit, a distance of some 1000 feet, which should meet the extra demand.

St. Stephens.—The great need for a water supply to St. Stephens Parish, which includes St. Stephens Churchtown, High Street, and Lanjeth has been emphasised on many occasions by each of your M.O.H's. Various schemes have been mooted from time to time, but have not

materialised. This is chiefly owing to the water supplies being needed by the various clayworks in the neighbourhood, and available sources being too low for bringing in supplies by gravitation to points required.

St. Dennis is also in urgent need and here expense has been the obstacle.

Mevagissey and Pentewan.—Schemes for the bettering of the supply have been under consideration, but as in other cases nothing has been done on account of the cost.

During the year the following analyses have been made:—

MELEDOOR SCHOOLS.—On account of the outbreak of diphtheria and sore throats a sample of the water in the school pump was analysed and pronounced quite unfit for drinking purposes.

WHITEMOOR.—A stream at Whitemoor, suggested as a possible source for a St. Dennis water supply was found to be fit for all purposes.

#### Rivers and Streams Pollutions and Drainage.

It is a common practise to find in this district, that streams take on the functions of drains. This is especially noticeable at St. Blazey, Par, Mevagissey, and Bugle. No attempt has been made to cover in these small streams, and in consequence complaints are very frequent, more so during the warm months. Some effort is made to keep clean these open sewers, but it is perfectly impossible to prevent a real nuisance. There is no doubt that had it not been for the war this state of things would have been removed ere this. Schemes of drainage have been prepared for these places, but the question of funds has been the source of the delay, as prices are so prohibitive.

St. Blazey perhaps, more than any other place, is in urgent need of a proper drainage system, and in view of the fact that 88 new Council houses will soon be erected, it is a question whether it would not be wiser for the Council to proceed at once with a complete drainage system, rather than spend a considerable sum on a drainage for their new houses only (which of course will not be allowed to drain into the leats), and then later find they have to be connected with a new system for the rest of the district

Bugle. Plans for a new drainage scheme were prepared some time ago, but up to the present the Council has not seen its way to start the undertaking; difficulties with landowners being the great cause of delay in this particular case.

Schemes for Grampound, Roche, St. Dennis, Nanpean, Foxhole, Carpella, St. Stephens have all been mooted, but none matured.

#### Closet Accommodation.

In districts where there is no water system, the closets are of the pail and midden system, but even where there is a water and sewage system, there are closets which have not been converted, partly due to the fact that the Council have adopted the Public Health Act (Amendment Act 1917), which compels the Council to bear the whole cost of conversion of the pail system and half the cost in all other cases.

Five closets were converted into water closets in 1920.

#### Scavenging.

In the Mount Charles Special Drainage area, St. Blazey, Tywardreath, Bugle, Roche, St. Dennis, Nanpean, St. Stephens Churchtown, Mevagissey, and Gorran, the refuse is collected by men who are appointed as scavengers by the Council, and the work on the whole is effectively done. Pentewan is under the disadvantage of being without a scavenger, in spite of frequent advertisings. The village of Porthpean has been added to the list this year, where scavenging is carried out

#### Slaughterhouses

Are on the whole satisfactory, but whitewashing might be made more use of in a large number of cases. There are several slaughterhouses which would never be permitted to be built at the present time, for instance some are situated in main streets of villages, close to dwellinghouses, but being well kept time has sanctioned their existence. The tables for cutting up meat are almost without exception unsatisfactory, instead of being composed of one piece of wood, lengths are joined together, often roughly, causing crevices or ruts, and however clean the owner tries to keep his table it is impossible to prevent meat decomposing in these ruts. Very few butchers possess stone slabs to add to the cleanliness of their slaughterhouse.

I was called to see one carcase, which I found to be tuberculous. I gave orders for its burial. The meat that I have inspected at various times

has been good.

#### Dairies.

The Dairies in the district vary, some are excellent, others indifferent. Apparently some owners consider that any place will do to store milk and cream. Cases have come to my notice where the narrow passage leading from the front door and the back parlour have been thought good

enough for a dairy. There must be a large number of people who sell milk who are not registered. This matter is being investigated by the Clerk.

#### Tents and Vans.

These on Par Moor were inspected and the Sanitary arrangements were found to be practically absent and overcrowding was present. Some of the tents and surroundings were well kept and others extremely dirty. There were ten encampments inhabited by about fifty people of all ages. Apparently there is no authority to compel these people to do anything, the Council having no byelaws for van or tent dwellers. Bye-laws are to be drawn up shortly.

#### Housing.

The Rural District Council has energetically attacked the question of the erection of houses for the working classes. It has set itself out to build 600 houses; up to the present 19 sites have been acquired in various parts of the district, upon which 330 will be erected. During 1920 work was commenced on 124 of these. Great delay was experienced due to lack of skilled labour and to scarcity of some materials.

#### The 330 houses are apportioned as follows:-

Tywardrea	th (Hig	hway)	4	Foxhole		 20
Polkyth			8	Whitepit		 42
Tywardreat	th (Vill	age)	6	Ruddle Mod	or	 8
Rescorla			8	Stenalees		 8
Stepaside			8	Penwithick		 8
Slades			70	Roche		 24
Trenovissio	k		46	Trewoon		 18
St. Blazey			42	Mevagissey		 10

The housing needs of St. Stephens is evidently not fully met by the few houses being erected at Stepaside. St. Stephens is situated in a large clay mining area and serious thoughts should be given to increasing the number.

#### PART IV.

#### ADMINISTRATION.

1.—During 1920 the Rural district has been under the great disadvantage of having had several changes as regards the Sanitary Inspectors. Mr. Welch of the eastern area resigned and was succeeded by Mr. Green in July, and in August Mr. Harvey having obtained a new post also resigned. The work of the whole district was then carried on by Mr. Green alone, until Mr. Simcox was appointed to the Western half in December. As pointed out by previous Medical Officers of Health, the facilities for travelling for the Sanitary Inspectors are very inadequate, much valuable time is lost, and the large and hilly districts make their work extremely arduous. Much better results would be obtained if the Council could see their way to provide motor cycles.

#### Bacteriological Work.

2.- In this department practitioners are supplied with the necessary outfits for obtaining the

specimens of suspected infectious diseases. When required diphtheretic anti-toxin is also available.

The following examinations were made during the year 1920:

	Positive	Negative	Total
Swabs for B. Diphtheria 1st Exam.	12	9	21
Subsequent Exam.	2	5	7
Sputum for B. Tuberculosis	1	9	10
Nasal Swab for Neningococci	0	1	1
Film for Gonococci	0	1	1
Tot	al Exam	inations	40

The following is a Summary of work done by the M.O.H. during 1920, and reported on to the Council:

OVERCROWDING. — Seven houses were visited in which overcrowding was present, and 10 houses which were extremely dirty and so therefore detrimental to health.

WATER. — Contaminated water at Meledor School. Insufficiency of water at Highfield Avenue Insufficient water at Polgooth due to small reservoir. (A larger one has now been built). Defective pumps at Belowda, Roche, and Polmassick. Defective water supply to cottages at Nantallon. Guaging of various streams for the proposed water supply for St. Dennis and analyses obtained.

DRAINAGE.—Complaints were received and investigated at Roche, Meledor Schools, Stenalees, Tregonissey, Cliza Hill, Trewoon, Mount Charles, Pentewan, Gorran Schools, St. Blazey Gate, St. Blazey Leat, St. Blazey Fore Street, and Grampound.

CLOSET ACCOMMODATION. — Defective conditions were reported on at Tregonissey, Polkyth, Roche, Trevasgus, Mevagissey, and Bugle.

DAMP HOUSES.—Six houses were inspected and improvements ordered.

SCAVENGING.—Porthpean was visited and report made. A scavenger has now been appointed.

COMPLAINTS.—Complaints from Charlestown and Mevagissey of fowl runs. Nuisances due to piggeries in too close proximity to dwellinghouses. Deposit of dead fish in Pentewan quay. Complaints of improper disposal of refuse at different places were all dealt with.

TUBERCULOSIS.—The prevalence of Tuberculosis at Trewoon was thoroughly investigated.

SCARLET FEVER.—A case of Scarlet Fever occurred in London after a visit to this district. The M.O.H. was informed that there was no evidence that the disease was contracted here.

BUILDINGS.--Gipsy Encampments, Slaughter-houses, Dairies, &c., were inspected.

# Summary of Work carried out by the Sanitary Inspectors for the year ending 31st December 1920.

		Western Area.	Eastern Area.	Total
Informal Notices issued		24	73	97
Statutory Notices issued		6	29	35
Dirty Houses Cleansed, etc.	,	6	15	21
Overcrowding abated		3	3	6
Slaughter-houses inspected		8	6	14
Tents and Vans inspected		5	8	13
Workshops inspected		7	7	14
Dairies and Cowsheds inspected		13	7	20
Drains cleansed and repaired		12	34	46
Closet accommodation provided		3	7	10
Nuisance from keeping animals, e	tc.	-	12	12
Closets, repaired, converted, etc.		6	10	16
Houses disinfected		62	69	131

#### Housing, Town Planning, etc., Act, 1909.

Houses inspected		62	179	241
Number of Inspections	including			
re-visits		192	233	425
Houses found defective		26	35	61
Informal notices issued		26	35	61
Statutory notices issued		5	10	15
Closing Orders made by Cou		3	-	3

The record of work carried out between August and December 1920 is included in the Eastern Area Report.

#### APPENDICES.

### Housing Conditions Statistics for the year ended 31st December 1920.

#### 1.—GENERAL,

1.	Estimated Population		33,871
2.	General Death-rate		10.7
3.	Death-rate from Tuberculosis		'97
4.	Infantile Mortality		52.7
5.	Number of Dwelling-houses of all classes		7,912
6.	Number of Working-class Dwelling-houses		7,500
7.	Number of New Working-class Houses ered	cted	19
	2.—UNFIT DWELLING-HOUSE	S.	
	1. INSPECTION.		
(1.)		d for	
	housing defects (under P.H. or H.A.)		247
(2.)	Number of Dwelling-houses which wer	e in-	
	spected and recorded under the Ho	using	
	(Inspection of District) Regulations 1920		430
(3.)	Number of Dwelling-houses found to be	in a	
	state so dangerous or injurious to heal		
	to be unfit for human habitation		Nil
(4.)		those	
(1.)	referred to under the preceding sub-hea		
	found not to be in all respects reasonal	ny iit	

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for human habitation

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TABLE I.

Vital Statistics of whole District during 1920.

Distri	Ages	Rate.	11.5	11.7	13.8	12.4
Nett Deaths belonging to District	At all Ages	Number	375	397		:
ths belo	ear of age	Rate per 1,000 Births	06	52.7	89	80
Nett Dez	of Non- of Resi- Under 1 year of age	Number 1,000 Births	45	39		
unsferable Deaths,	of Non- of Regi-	register- ed in the District.	41	36		1
Transferable Deaths,	of Non-	register- register- ed in the ed in the District. District.	6	4		14
eaths		Rate	10.5	10.7		13
Total Deaths	Registered in the District.	Number	343	365		
	ths	Rate	14.5	22-9	18.5	25.4
	Births	Number Rate	495	877	-:-	:
	Population		32,574	33,871	nd & Wales	
	YEAR.		1919	1920	1919 England & Wales	1920 "

LYBIE

# Vital Statistics of whole Dietrick during 1920.

13.4	11.2	Bate	y Bes	dotstatio
	375	тобщай	Vr ey Vess	Note Deaths belonging to District
80	92.1	Tion Tion Hate bex	er, og side	noted add
	<b>8</b> 2	2 sunite 1 000 I similar	ader 1 ye	
7	83 7		leady to	
-1 1			residents dents not Dader lyear of age	
	10.2	Hate Dighter by	-	sathe.
	343		de District	Total Deaths
59.4 18.9	555-3			
	118	уппрек	divid.	
1950 " 1919 & Wajes	22,834			
1850 ". 1919 Rokya	1850		KEVB	

TABLE II.

Cases of Infectious Diseases notified during the year 1920.

			NUMBER	OF CA	SES NOTI	FIED.				Т	OTAL	CA	SES	NOT	IFIEI	D IN	EAG	CH P	ARIS	н.	
NOTIFIABLE DISEASE.	At all			At .	AgesYe	ars.			FEEL	ZEY	HENS		UND	SSEY		NIS		AN	VAN	REATH	SAMPSONS
	Ages.	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	ST. AUSTELL RURAL	ST. BLAZEY	ST. STEPHENS	CREED.	GRAMPOUND	MEVAGISSEY	ROCHE	ST. DENNIS	ST. EWE	ST. GORAN	ST. MEWAN	TYWARDREATH	ST. SAM
Erysipelas	. 8			2		3	3		. 3	1	4										
Diptheria	56		5	32	11	8			28	2	10			5	2		1	6	1		1
Membranous Croup	0																				
Scarlet Fever	46		1	37	4	4			13	1	2			2	4	14			8		2
Tuberculosis (Pulmonary) .	19			1	42	4	2		7	1	4				3	1			3		
Other forms of Tuberculosis .	3				2	1			1						1					1	***
Encephalitis Lethargica .	. 1						1				1										
Poliomyelitis	. 1		1													1					
Polio Encephalitis	0																				•••
Tyhoid Fever	1					1														1	
Malaria	2					2								1	***					1	
Pneumonia	0												***								
Opthalmia Neonatorum .	4	4							2	1	1					***					
Puerperal Fever	2				1	1			1		1			***							
Septicœmia	. 1							1		1			***	***	***						
Totals	144	4	7	72	30	24	6	1	55	7	23	-	-	8	10	16	1	6	12	3	-

TABLE II.

			. Ille 3	
and a second				

		res - Year		DISEAS	OTIFIABLE	No. 18
	Uniter vector year	At all				
	2.				elas	Erysip
	32.					Dipine
	******			qs	anous Crop	
	37.		4			
					dosis (Puli	
		8			T le aurte	
-14.00		1				Enceph
		0			teephalitis	
			1			
-		2				Malaria
						Рвение
						Puerpera
				TOT 6		

TABLE III.

Causes of, and Ages at Death, during the year 1920.

# ST. AUSTELL RURAL DISTRICT.

397       41       7       5       13       31       40         0		CAUSES OF DEATH.	All	Under 1 year.	1 and under 2 years	2 and under 5 years	5 and under 15 years	5 and 15 and under under 15 years 25 years	25 and under 45 years	45 and under 65 years	65 and upward
Canase   Tocartined   Canase   Canase	-		200			M	18	15		19	165
Small Pox	AII	Uncertified	0								1
Searlet Fever   1	-		-	-	-	-		1		1	1
Small Pox   1	-	1	0							:	
Saarlet Fever   0	64		0								
Snarlet Fever   0	63		-	-							
S. Whooping Cough         5           Diphtheria and Croup         3           Influenza         3           Phthisis         32           Phthisis         32           Phthisis         32           Tuberculous Meningitis         4           Phthisis         33           Cheer         1           Chace, Malignat Disease         33           Chence, Malignat Disease         6           Cheningitis         6           Remark Disease         6           Remaingitis         34           Premountain         34           Phenomonia         34           Appendictis and Enteritis         0           Other diseases of respiratory organs         13           13         2           Reconstitis and Bright's Disease         16           11         1           12         1           13         2           14         5           15         2           16         1           17         1           18         2           11         4           12         3           13	4		0								
Phibhisis	10	-	0								
Phthisis	9		9	:		1	4				
Phthisis	7	:	63	1				1	***		1
Tuberculous Meningtis	00		0								
Tuberculous Meningities   4   2   1   1   1   1   1   1   1   1   1	6	:	32	1				11	12	9	64
Cancer, Malignant Diseases   1	10	Tuberculous Meningitis	4	67					67		
Cancer, Malignant Disease   33   1   1   1   1   2     Meuingitis   6   1   1   1   1   2     Meningitis   58   1   1   1   1   2     Organic Heart Disease   58   1   1   1   1   1   1   3     Bronchitis   13   2   3   1   1   1   1   3     Diarrhoa and Enteritis   3   1   1   1   1   3     Other diseases of respiratory organs   13   1   1   1   1   3     Diarrhoa and Enteritis   3   1   1   1   1   3     Other diseases of respiratory organs   13   1   1   1   3     Other diseases of respiratory organs   13   1   1   1   1   3     Other diseases of respiratory organs   16   1   1   1   1   1   1   1     Other and Enterities   16   1   1   1   1   1   1   1     Other and diseases of   1   1   1   1   1   1   1     Organical Pever   10   10   10   1   1     Other bedined Diseases   123   3   3   5     Other Defined Diseases   123   3   3   40     Other Defined Or unknown   11   2   13   31   40     Other Defined Or unknown   11   2   13   31   40     Other Defined Or unknown   11   2   13   31   40     Other Defined Or unknown   11   2   13   31   40     Other Defined Or unknown   11   2   13   31   40     Other Defined Or unknown   11   2   13   31   40     Other Defined Or unknown   11   2   15   13   31   40     Other Defined Or unknown   11   2   15   15   15     Other Defined Or unknown   11   2   15   15     Other Defined Or unknown   11   1   1   1     Other Defined Or unk	11		1		-						
Rheumatic Fever   4   1   1   2     Meningitis   6   1   1   1   1   2     Organic Heart Disease   58   1   1   1   1   1     Bronchitis   34   7   1   1   1   1   1     Pneumonia   13   2   3   1   1   1   3     Other diseases of regiratory organs   13   1   1   1   3     Diarrhoan and Enteritis   3   1   1   1   3     Diarrhoan and Enteritis   3   1   1   1   3     Other diseases of regiratory organs   13   1   1   1   3     Diarrhoan and Enteritis   3   1   1   1   3     Other accidents and diseases of Pregnancy and Parturition   1   1   1   1   1     Congenital Debility and Malformation, including Freenature Birth   20   20   1   1   1     Congenital Debility and Malformation, including Freenature Birth   20   20   1   1     Suicide   3   3   3   5     Diseases ill-defined or unknown   11   2   13   31   40     Toraxs   397   41   7   5   13   31   40     Orther Defined Diseases   128   39   50     Orther Defined Diseases   128   39   50     Orther Defined Or unknown   11   2   11   11     Orther Defined Orther Orther Defined Orther Or	12		33	-				00	+	13	12
Meningitis         6         1          1         2           Organic Heart Disease         34         7         1         1         4         5           Bronchitis         34         7         1         1         4         5           Pneumonia         13         2         3  .	13		4				1	1		1	-
Pronchitis   Search Disease   Search D	14	1	9	-				1	67	64	
Procuncities	15		28		1			4	NO.	20	28
Discusses of respiratory organs.   13   2   3   3   1   1   1   1   3   3   3   3	16		34	7	-	1	-			10	14
Other diseases of respiratory organs.       13       1       1       8         Diarrhoa and Enteritis       3       1       1       1         Appendicitis and Typhilitis       0        1       4         Cirrhosis of Liver       0        1       4         Puerporal Fever       0        1       4         Puerporal Fever       0        1       4         Pregnancy and Bright's Diseases of Pregnancy and Parturition       1        1         1         Congenital Debility and Malformation, including Fremature Birth       20       20        2       6	17		13	63	60					1	7
Discribon and Enteritis	18	Other diseases of respiratory organs	13			1	1		60	67	9
Appendicitis and Typhilitis         0 <td>18</td> <td>Diarrhoa and Enteritis</td> <th>63</th> <td></td> <td>-</td> <td>****</td> <td></td> <td></td> <td>1</td> <td>1</td> <td></td>	18	Diarrhoa and Enteritis	63		-	****			1	1	
Nephritis and Bright's Disease   16	20	Appendicitis and Typhilitis	0								
Nephritis and Bright's Diseases   16	21		0					****			
Diseases ill-defined or unknown   1   2   1   1   1   1   1   1   1   1	22	Nephritis and Bright's Disease	16				1		4	6	61
Other accidents and diseases of Pregnancy and Parturition 1	23		0								
Congenital Debility and Malformation, including Premature Birth 20 20 2 6 2 Violent Deaths, excluding Suicide 3 2 8 5 10ther Defined Diseases 123 3 2 3 5 5 Diseases ill-defined or unknown 11 2 11 2 11 2 11 2 11 2 11 3 31 40			1	:					1	:	:
Violent Deaths, excluding Suicide       13        2       6          Suicide        3        1       1        1        1        1        1        1         1		Congenital Debility and Malfor- mation, including Premature Birth	30	20	:	:	:	:			
Suicide 123 3 1 1 1 1 1 123 5 123 5 123 5 123 5 12		Violent Deaths, excluding Suicide	13				64	9	***************************************	00	04
Other Defined Diseases 123 3 2 3 3 5 5 Diseases ill-defined or unknown 11 2 1 1 1 2	27	:	00					1		61	
Diseases ill-defined or unknown 11 2 1  Toraxs 897 41 7 5 13 31 40	28	Other Defined Diseases	123	00		**	00	00	10	100	84
897 41 7 5 13 31 40	20		11	61					1	61	9
200		TOTALS	397	41	7	10	13	31	40	126	165

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								y Acesta	beig 1		AUSTELL SURAL	Death, during the year.
						-	-	Fest.	Dudor		STEEL	
		0	100	0			188					
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INBUE III.

TABLE IV.

# INFANT MORTALITY. ST. AUSTELL RURAL DISTRICT.

Net Deaths from stated causes at various Ages under 1 year of age 1920.

Corclided   Transcripted   Transcr	CAUSES OF DEATH.	Under 1 week.	1-2 weeks	2 - 3 weeks	3-4 weeks	Total under 4 weeks	4 weeks and under 8 months	months and under 6 months	months and under 9 months	9 months and under 12 months	Total deaths under I year.
Voer Vougli  Substituting its series and Crounds an	Certified		61	-	00	17	12	00	61	0.04	=
ox	Uncertified	:	:	:							
Note	:			:		:	:		:		:
Noer  Cough  a and Croup  a	Chieken Pox				:						
Cough  a and Croup  becautosis Diseases  a (all forms)  a (all forms)  b a (all forms)  a (all forms)  a (all forms)  b a (all forms)  a (all forms)  a (all forms)  a (all forms)  b a (all forms)  a (all forms)  a (all forms)  a (all forms)  b a (all forms)  b a (all forms)  a (all forms	Measles							-			1
Cough  a and Croup  bus Meningtiss  constructions  a and I Tuberculosis  constructions  a (all forms)  bus Marasanus  a (all forms)  bus Marasanus  a (all forms)  bus Marasanus  constructions  a (all forms)  bus Marasanus  constructions  const									:		
a sud Croup  is more and Croup  in a sud	Whooping Cough										
beroutosis Diseases  a (all forms)  a), overlying  bus Meningtiss  a) a (all forms)  bus distributions  a) a (all forms)  bus distributions  bus distributions  c) a (all forms)  c) a (all form	Diphtheria and Croup									:	
ns Meningtitis		***								:	
Truberculosis   1							1				1
Tuberculosis   1	Tuberculous Meningitis						-	1			61
bercutosis Diseases										-	1
a (all forms)  b (all forms)  c (all	Other Tuberculosis Diseases	- 2					:	:			
a (all forms)  a (all forms)  a (all forms)  b (all forms)  a (all forms)  a (all forms)  a (all forms)  b (all forms)  b (all forms)  c (all		- 10		:			1			:	-
a (all forms) 4 3 2  a (all forms) 4 3 2  1 1											
a (all forms) 1 1	:						*	0.5	67		6
n, overlying   n, o		18	:				-				-
Dobitity and Marasmus 2 1 2 1 3 17 12 8 2 2 2	Diarrhœa										
6 2 8 11 2 1 3 17 12 8 2 2 2 2	:				:						
6 2 8 11 2 5 1 1 1 8 17 12 8 2 2 2					***						:
6       2       8       11       1	1										
6 2 8		J. ION									
6       2       8            3        1       1           3        1       4       2       2           3        1       3       17       12       8       2       2       1						-					
6     2     8     1     1       8     1     1     1     1       9     1     2     5     1     1       8     1     2     1     1     1       9     1     1     4     2     2     1       8     1     1     4     2     2     1       1     2     1     4     2     2     1       1     2     1     1     3     1     1       1     2     1     1     3     2     2     2							-				
6     2     8         2     8         3      1     2     5     1         3      1     4     2     2          1     2     1            1     2     1           1     2     2											
2 8	- 60						1	-			67
2 1 2 5 1			63			8			1100		
TOTALS 11 2 1 3 17 12 8 2 2				1	64	10	1		:		9
11 2 1 3 17 12 8 2 2	:			:		*	cı	13			6
	TOTALS	п	64	1	60	17	12	00	61	61	41

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TABLE V. Parishes.

PAR	ISH.	TOTAL DEATHS.
St Austell Ru	ıral	131
St. Stephens		 73
Tywardreath		 40
St. Blazey		 32
Mevagissey		 31
Roche		 21
St. Mewan		 . 16
St. Dennis		 16
St. Ewe		 14
Gorran		 7
Grampound		 6
Carhayes		 4
St. Sampsons		 4
Creed		 2
	TOTAL	 397

TABLE V. Parishes.

TOTAL DEATHS.		ISB.	PAR
131		laru	St Anstell R
73			St. Stephens
32			St. Blazey .
31			Mevagissey
21			Roche
16			St. Mewan
16			St. Dennis
14			
7		ķ.,	Ооттап
9			
		***	Carlayes
			St. Sampsons
\$		***	Creed
397	JAT	ToT	