

CITY'S DEATH AND BIRTH RATE

Clerk Smith Gives It for the Past Twelve Months.

INTERESTING STATISTICS.

Strong Talk on Anti-Toxin—Says It Could Have Saved Many More Lives—Other Data.

FIGURES IN DETAIL.

Deaths	849
Males	462
Females	387
Single	435
Married	214
Widowed	23
Divorced	7
Contagious Diseases	1,175
Scarlet Fever	435
Diphtheria	231
Smallpox	97
Typhoid Fever	167
Measles	101
Cholera	7
Whooping cough	7
Bright's Disease	49
Pneumonia	74
Premature Births	42
Old Age	62
Breast Cancer	24
Heart Diseases	49
Menstrual	28
Cherubim troubles	43
Diarrhoea	45
Peritonitis and Appendicitis	21
Cancer	29
Tuberculosis	29
Births	1,274
Males	647
Females	627

Clerk Horace Smith of the city board of health today finished his report for the year 1902. It shows a mortality in Salt Lake City of 849 deaths for the year, corresponding to a death rate of 11.32 per 1,000 of the population (estimated 75,000), and a birth rate of 16.93, representing 1,274 births reported during the year. This number of births, of which 647 were males and 627 females, 3 colored and 1,271 white, while 91 in excess of the previous year, is doubtless less than the actual birth rate as there are good reasons for believing that all births are not reported. The average annual birth rate for 12 years is 16.33 per 1,000 of the population; the highest (18.95) being in 1891; the lowest (14.85) in 1893.

For 12 years the total number of births reported number 13,546, while the total deaths for the same period were 8,305, equivalent to a death rate (average) of 10.50; the highest death rate (23.76) being in 1891, the lowest (7.31) in 1896. Of the deaths for 1902, there were 462 males and 387 females; 337 were whites and 12 colored; 10 of the deaths were of unknown nativity, 23 were of foreign birth, 234 were natives of Utah and 12 were born in other parts of the United States. According to social relation, 425 were single, 231 married, 23 widowed, 7 divorced, and seven divorced. According to age, the total deaths under five years was 257. Between the ages of five and 15 there were 91 deaths, 44 from 15 to 25, 139 from 25 to 45, while the heaviest mortality was between 45 and 65, 161 deaths having occurred, and 17 having lived beyond 65 years.

PRINCIPAL CAUSES.
The principal causes of death were pneumonia (74), Bright's disease (40), old age (61), premature birth (37), bronchitis (24), organic heart diseases (49), meningitis (26), paralysis and cerebral congestion (28), diarrhoea and enteritis (45), peritonitis and appendicitis (21), cancer (various organs) (29), tuberculosis (29), diphtheria (23), scarlet fever (43), typhoid fever (23), and affections produced by external causes (54).

PREMATURE BIRTHS.
Premature births were not included in the death rate until this year and while the addition of these deaths increases the death rate as compared with former years, the strict adherence to the international classification (used by the census office and the principal cities of the United States and Europe and recently adopted here) goes far towards securing uniform statistics for which statisticians and sanitarians are striving. It is of no small consequence to be in line with progressive cities the world over.

CONTAGIOUS DISEASES.

There were 1,175 cases of contagious and infectious diseases reported during the year as follows: Scarlet fever (435) cases with 25 deaths; diphtheria (231) cases with 33 deaths; 97 cases of smallpox with 1 death; 167 cases of typhoid fever with 16 deaths; 67 cases of measles with 4 deaths; 403 cases of chicken pox with no deaths; 7 cases of whooping cough with 1 death. The mortality from these communicable diseases is 12.33 per cent of the total mortality. The highest mortality from the above diseases was in 1901 with a death rate of 14.20, the lowest in 1900 with a death rate of 4.52 per cent of the total mortality; the average for 12 years being 10.33. The mortality in cases of diphtheria for five years prior to the discovery of anti-toxin was nearly two-thirds of the mortality for 12 years fully half of the deaths from diphtheria in 1902 might have been prevented by the early use of anti-toxin. (A fact) The mortality from scarlet fever (3 per cent) shows an increase over 1901 (4 per cent) and indicates that the disease was of a severe type this year. "Whole families have taken the disease owing to the inability to properly isolate the first case in its incipency; the removal of the first case to a detention hospital and the disinfection of the premises would doubtless have limited the disease to one case. The moral in this is obvious," (my opinion again).

AS TO FUMIGATION.

During the year Mr. R. F. Woodard, the department fumigator, personally disinfected with formaldehyde gas 643 houses, containing 2,910 rooms, as follows: 577 houses infected with scarlet fever, containing 1,981 rooms; 215 houses after diphtheria, containing 937

SICKLY WOMEN.

Weak and sickly women who are exceedingly nervous and irritable, and who sleep very poorly, have no appetite, and are sometimes overcome by headache and dizziness will find a few doses of Hostetter's Stomach Bitters very beneficial. It will stimulate and strengthen the weak system, restore the appetite and promote sound sleep. The most delicate system can retain it. Don't fail to try it. It will do you good.

HOSTETTER'S STOMACH BITTERS.

CHILD WEAKNESS.

You can worry for months about your weak child and not succeed in doing it a fraction of the good that comes from little daily doses of Scott's Emulsion.

The cure of child weakness is not the matter of a day but of steady common-sense treatment.

Children like Scott's Emulsion and thrive on it.

Perfectly harmless yet powerful for good.

Send for Free Sample
SCOTT & BOWNE, Chemists, 404 Pearl St., N. Y.

CHEMICAL TESTS.

The city chemist, Mr. Herman Harris, made 509 chemical and bacteriological examinations during the year, covering 129 cultures, tubes for the diphtheria bacillus, 11 samples of city water, 16 samples of ice, 4 miscellaneous examinations and 388 samples of milk, all of which were found free from food poisons. 224 samples were found to fully meet the requirements of the standard fixed by ordinance and 94 were deficient in butter fat and solids not fat in quantities of 1 per cent and less. All samples of milk were taken from the delivery wagons without previous notice and are a fair representation of the milk supply of the city.

Inspections were made by the department (inspectors) to the number of 23,467, and notices aggregating 13,802 were served; dairies, stores, markets, restaurants and other places where food products are kept for sale numbering 3,756 were inspected; 2,570 loads of garbage and 1,507 loads of soil were disposed of at the dump and crematory; 400 854 dead animals.

EX-SENATOR CANNON ILL.

Is in a Bad Way Following an Operation for Appendicitis.

Ex-Senator Frank J. Cannon lies at the Holy Cross hospital in this city in a critical condition following an operation for appendicitis. Mr. Cannon has been ailing for some time past, at his home in Ogden, but on Tuesday his condition became such that he had to take to his bed. Yesterday he grew still worse, and it was finally decided to bring him to Salt Lake for treatment. Mr. Cannon was brought down on a stretcher last night arriving over the Rio Grande at 3:30. He was immediately taken to the Holy Cross hospital, where Dr. Allen and W. T. Cannon held a consultation, and agreed on an immediate operation. This was performed at 2 o'clock this morning, and revealed the fact that the patient was in a decidedly bad way, the appendix being in anything but a favorable condition. However, he rallied nicely, and at 8 o'clock this morning was reported doing as well as could be expected.

BROOKS ACQUITTED.

Slayer of Fred Bishir Wins Out on Plea of Self Defense.

(Special to the "News.")
Livingston, Mont., Feb. 5.—The jury in the Brooks murder trial brought in a verdict at 5 o'clock last night acquitting him and making him a free man. The trial occupied two days. Brooks was accused of murdering Fred Bishir on the Bishir ranch on Shields river on Aug. 13 last. The case was a notable one and attracted the attention of the whole state. Brooks and his wife were employed on the ranch. The Brooks family did not arise one fine morning and find their young son lying dead in the house. A controversy arose between the boy and Brooks, and young Bishir was slapped. When Brooks appeared the elder Bishir attacked him and Brooks shot and killed him. The testimony to the effect that Bishir had a bad reputation as a gambler and was believed to have made the plea of self-defense by Brooks stick with the jury.

Bitter Than Gold.

"It was troubled for several years with chronic indigestion and nervous debility," writes E. J. Green, of Lancaster, N. H. "No remedy helped me until I began using Electric Bitters. I was cured in a few days and all the medicines I ever used. They have also kept my wife in excellent health for years. She says Electric Bitters are just as good for female troubles as they are for men. They are a grand tonic and invigorator for weak, run down women. No other medicine can take its place in our family." Try them. Only 50c. Satisfaction guaranteed by Z. C. M. I. Drug Store.

IMA IS AFTER THE KNIGHTS

The troubles of Charles T. Knight and wife, Maude L. Knight, with the Ima Consolidated Mining and Milling company were revived this morning, when the company filed attachment suits in the district court against each of them. The complaint against Charles T. Knight alleges that defendant, between Jan. 1, 1901, and Oct. 1, 1902, unlawfully appropriated to his own use \$11,300 of plaintiff's funds, for which amount judgment is asked, together with interest from Aug. 1, 1902, at 8 per cent.

The complaint against Mrs. Knight alleges that her husband paid over to her \$3,303.75 received by him from the sale of certain of his private stock in plaintiff company which he substituted in the place of the treasury stock, which was authorized to sell. The affidavit in each case states that defendants have removed from the state to the injury of their creditors.

SMALLPOX CASES.

Three cases of smallpox were reported to the board of health today. They are as follows: Mrs. Kate Merrill, aged 25, 122 South Sixth West street; Mr. Whittaker, aged 30, 472 South Fifth East; Stanley Trotter, aged 4, 525 North Sixth West.

WARD ENTERTAINMENTS.

That ever popular comedy-drama, "The Corner Store," will be presented by the Sixth Ward Dramatic association in the Twenty-sixth ward assembly hall, at the Twenty-sixth ward building, tonight. The entertainment is free to all. The association is a new building fund and will doubtless please all who attend.

TRIED TO PASS ON SINGLE TRACK

Sanpete Local on R. G. W. Came To Grief Yesterday.

SIX MEN SLIGHTLY INJURED

Engineer Beless Sticks to His Post And Saves the Train—Damage Is Small.

The Sanpete local on the Rio Grande Western southbound yesterday had a narrow escape from a bad wreck at the mouth of Spanish Fork canyon. Owing to the cohesiveness of James T. Beless, the veteran engineer on the local, the train was saved at the cost of six and five others being slightly injured in the collision.

The list of the injured is Engineer Beless, Fireman Frank Smith, Express Messenger Frank Savage, and Mail Clerks Cheney and May, the latter the well known Doyle rider. The only passenger who was hurt was Judge Jacob Johnson, who received a cut on the nose.

The accident happened east of Mapleton, 10 to 15 miles from here, and was going up the grade to the mouth of the canyon at about 15 miles an hour when freight engine No. 121, with Engineer C. T. Wilson at the lever, came out of the canyon. About this time all hands got busy in applying air, opening the sandbox and otherwise suddenly checking the speed of their respective engines. Before the engines met Wilson and his fireman jumped. Beless was knocked senseless and Cheney and May were seriously injured. The damaged mail car suffering from a badly bruised hip and a dislocated shoulder, respectively.

The injured men were brought into Salt Lake on a special train, and are all getting along well, and will be back at their posts in a few days. Engineer Beless has been with the Rio Grande for 24 years, and is one of the best engineers in the service. To day, his many friends here will be glad to learn that he is not badly hurt.

The passengers who proceeded on to Mahti, several hours after the wreck, were loud in their praise of his quickness and bravery in sticking with his engine.

Until the official investigation is completed it would be premature to place the blame of the wreck on any shoulders. Somebody, however, blundered, but who is not at this time forthcoming. The damage to the equipment was slight and can be covered with \$500.

FREIGHT CONGESTION.

Tremendous Amount of Traffic on All Lines in East.

Car Accountant Brewer of the Oregon Short Line this morning stated that judging from his reports received on cars in the east that the freight situation promised to be at least as bad as the situation in the west. The freight situation in the east is at present very bad, and the congestion arising from such conditions.

In this connection, George T. Hill, district agent for the Pennsylvania lines in Denver, in a communication to the "News" says that he is in receipt of a telegram from A. E. Ford, general passenger agent of the Pennsylvania line at Pittsburgh, to the effect that commencing today the Pennsylvania special 24-hour train between Chicago and New York, will be temporarily suspended in order to relieve the freight congestion on the Pennsylvania system.

On top of this announcement comes one from the ubiquitous George Danforth of the New York Central, to the effect that his road will continue running all its previous fast passenger trains despite the fact that during the month of January the New York Central and the New York Central had more cars of freight than were handled during the corresponding month of last year.

STOCK EXCHANGE.

The sales made during this afternoon session of the stock exchange were few. The trading was featureless. The main posted were:

Daily, 100 at 4.40; 100 at 4.42½; 100 at 4.45; 100 at 4.47; 200 at 4.47½; 200 at 4.48; 200 at 4.49; 200 at 4.50; 200 at 4.51; 200 at 4.52; 200 at 4.53; 200 at 4.54; 200 at 4.55; 200 at 4.56; 200 at 4.57; 200 at 4.58; 200 at 4.59; 200 at 4.60; 200 at 4.61; 200 at 4.62; 200 at 4.63; 200 at 4.64; 200 at 4.65; 200 at 4.66; 200 at 4.67; 200 at 4.68; 200 at 4.69; 200 at 4.70; 200 at 4.71; 200 at 4.72; 200 at 4.73; 200 at 4.74; 200 at 4.75; 200 at 4.76; 200 at 4.77; 200 at 4.78; 200 at 4.79; 200 at 4.80; 200 at 4.81; 200 at 4.82; 200 at 4.83; 200 at 4.84; 200 at 4.85; 200 at 4.86; 200 at 4.87; 200 at 4.88; 200 at 4.89; 200 at 4.90; 200 at 4.91; 200 at 4.92; 200 at 4.93; 200 at 4.94; 200 at 4.95; 200 at 4.96; 200 at 4.97; 200 at 4.98; 200 at 4.99; 200 at 5.00; 200 at 5.01; 200 at 5.02; 200 at 5.03; 200 at 5.04; 200 at 5.05; 200 at 5.06; 200 at 5.07; 200 at 5.08; 200 at 5.09; 200 at 5.10; 200 at 5.11; 200 at 5.12; 200 at 5.13; 200 at 5.14; 200 at 5.15; 200 at 5.16; 200 at 5.17; 200 at 5.18; 200 at 5.19; 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