

GERMS IN THE ICE.

FREEZING WATER DOES NOT KILL ALL THE BACTERIA.

Dr. Pruden's Analysis of the Ice Consumed by the City of New York—Some Alarming Results—Suggestions for Health Boards.

It is popularly supposed that water in freezing becomes purified, and that the injurious elements that there may be in it are eliminated by the action of the frost.

One of the persons who has made an extensive study of this subject is Dr. T. Mitchell Pruden, the director of the laboratory of the College of Physicians and Surgeons in this city.

It was the outcome of an attempt to cheapen lumber transportation and to bring longer logs than most of the lumber vessels can transport.

Taking the results of all his analyses of ice from the various sources, he finds that the average number of living bacteria contained in one cubic centimeter of the melted ice is 2,633, or to put it in more common terms, a pint of melted ice would harbor about 50,000 living bacteria of various kinds.

One reason, Dr. Pruden says, why it was never before known by scientific men that ice might contain the germs of disease was that the only method of research was by chemical examination.

In the experiments made by Dr. Pruden samples of ice which contained evident gross impurities, such as grass and straw, were in all cases rejected as not fairly representative.

Dr. Pruden made biological analyses of 125 samples taken from blocks of ice from West Park to the vicinity of Troy.

Hudson River ice contained a much larger number of bacterial impurities than the ice taken from the other waters near New York, and while some of these bacteria may be considered harmless, others, he said, were undoubtedly injurious.

He suggests that the state board of health, or some other authorized body, should have full control over the ice harvesting fields, and by a system of inspection not less strict than that which should exist in the care of the ordinary water supply, determine which, if any, of the sources of ice supply are so situated as to imperil the health of the consumers of the ice.

When the state of Georgia scolded Colquitt was a member of the convention that passed the ordinance, he then entered the Confederate service as a captain, rising to the rank of major general.

When Secretary Lamar was advanced to the supreme bench, it was for a time thought that Senator Colquitt would succeed in his portfolio in the cabinet.

Some folks has er better way o' shovin' dat da' prosheres ar kinness den udders does. De long tail hou' ken' pear ter be er deap gladder den de stump tail' w'en de truff is dat be truv not be haf so glad.—Arlanawaw traver.

THE BIG RAFT LOST.

An Enormous Tow of Long Timber Logs in the Atlantic.

Nine thousand tons of sound Nova Scotia timber, all in one computed mass, are afloat in the Atlantic ocean, perhaps a hundred miles east of the east end of Long Island, and it will be a bad night for any vessel that happens to strike the mass.

The point, and the steamer Miranda was to have \$5,000 for towing it to New York, but unfortunately lost it at sea.

It was the outcome of an attempt to cheapen lumber transportation and to bring longer logs than most of the lumber vessels can transport.

The first chapel of the new church was recently opened on Duffield street, Detroit. In the address delivered by him at the opening of the chapel he set forth his views very forcibly.

As to the fact that they made 120 miles the first day, before the storms came on, proves that in good weather the tow could easily have been completed in a week.

At length the strain on the hawsers became so great that the steamer had no "life," as sailors say; that is, she was held down instead of riding the waves.

The yachts which have won the America's cup have successively grown deeper in hold. The Puritan is 8 feet, the Mayflower 9, while the Volunteer measures 10 feet 6 inches to a beam of 23 feet.

Beyond the advantage of leaving the space between decks free for cabin room, the new vessel is expected to combine the sailing advantages of both cutter and centerboard yachts, without the disadvantages of either.

A Unique Couple. Mr. and Mrs. Hira Bates, of South Hanover, Mass., are the most curious old couple on record.

One of Georgia's Senators. Alfred Holt Colquitt, one of the United States senators from Georgia, was born in that state in 1834.

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Scientists say that the savage has a more acute sense of smell than civilized people. When two savages get together how they must suffer.—Boston Transcript.



RAFT ON WATER.



READY TO LAUNCH.

FINANCE AND COMMERCE.

Reported by C. W. Branch & Co., bankers and brokers, No. 1111 Main street.

New York Stock Market. New York, January 3.—The stock market, contrary to expectations of the bulls, opened lower and continued feverish with downward tendency.

Exchange, 4 3/4 @ 87. Money 4. State Securities. North Carolina 5's, c. 1910, 92.

CITY BONDS. Richmond 5's, 1886-1909, 136. Richmond 6's, 1886-1914, 117.

BANK STOCKS. Citizens Savings, 40. City National, 40. Merchants National Bank, 40.

GRAIN AND COTTON EXCHANGE. Richmond, Va., January 3. Offerings reported to secretary.

MARKET QUIET. Quotations—Middling, 10 1/2; low middling, 9 1/2; good ordinary, 8 1/2.

SOLID GOLD AND SILVER watches, rings, etc., sold on small weekly payments.

THE VERY BEST OYSTERS received daily, served steamed and in every other style.

See the Little Gem of a drug store, the Park-Place Pharmacy, Stokes' building, corner Belvidere and Main streets.

DEAD. PHARMAN—Died, January 31, 1888, at her residence, No. 1227 East Main street.

MR. AND MRS. HIRA BATES. "I was born," he says, "in Hanover ninety-two years ago, and in a little house just over the Hanover line."

A Great Combination. Scientists say that the savage has a more acute sense of smell than civilized people.

The cable car system is about to be introduced in the ancient city of Rome.

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Dr. A. J. B. Jenner, a well known physician of Detroit, has drawn a certain amount of interest to himself by announcing that he has been consecrated Bishop Cosmo-politan.

Bishop Jenner has long held certain views with reference to the support of the church and the ministry, at variance with most of his associates.

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Professor Alexander Johnson, of Princeton, is an athlete as well as a historian and political economist. It is related that at the end of last summer's vacation a pedantic young tutor asked him what special work had engaged his attention during the summer.

A Hungarian historian, rummaging through the archives at Buda-Pesth, discovered over 500 wills dated between 1802 and 1874, which had been put away so safely that they had been lost sight of, and the estates to which they related have been treated as though the persons making them had died intestate.

For over four years I have been a great sufferer from a terrible form of Nasal Catarrh. I was greatly annoyed with a constant roaring in my head and my hearing became very much impaired.

The discharge from my nose was profuse and very offensive, and my general health impaired. I tried most all prominent physicians, but they did not cure me, and I used various advertised preparations without benefit.

One day I chanced to read a remarkable article written by a prominent citizen of Athens, Ga., stating that he had been permanently cured by the use of eight bottles of B. B. B.—Botanic Blood Balm.

I have tried B. B. B. and found it a great thing for the blood. I also had rheumatic pains and the use of one bottle of B. B. B. has done the work that I will finish up on the second bottle as a cure.

All who desire full information about the cause and cure of Blood Poisons, Scrofula, Scurvy, Swellings, Ulcers, Sores, Rheumatism, Kidney complaints, Catarrh, etc., can secure by mail free a copy of our 32-page illustrated Book of Wonders, filled with the most wonderful and startling proof ever before known.

Address: BLOOD BALM CO., Atlanta, Ga.

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LILY OF THE VALLEY \$1.00 per dozen. ROSES in abundance with SMILAX, FERNS, and other choice green.

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NEW YORK BICYCLE CO., No. 38 Park Place, New York City.

VERNON TOOTH BRUSHES. These brushes have been on the market several years, and the sales have steadily increased.

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JOHN E. DOHERTY, 82 EAST MAIN STREET.

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DIRECTORY OF RELIABLE BUSINESS HOUSES. The Directory below of reliable and good business houses, giving their location and business, will be found very useful as a source of reference for information relative to...

Barbers: WILLIAM H. GARDNER, 516 E. 11th Street. Hair cutting, dyeing, shaving and shampooing.

Bakers: RICHMOND STEAM BAKERY, R. Adams, proprietor, 11 S. Twelfth Street. Wholesale and retail.

Butchers: WALTER E. BRAUER, stall No. 12, First Market. Smoked beef, tongues a specialty.

Carriage and Buggies: J. A. GRANBERGER, 148 E. Franklin Street. All work guaranteed.

Contractors and Builders: A. C. HOUSTON, 506 E. Main Street. J. P. WINGFIELD, corner of Laurel and Broad Streets.

Dairies: VIBFIELD DAIRY (formerly Westman), 117 N. Seventh Street, and 116 E. Main Street. Fresh milk, cream, butter, butter milk, and cheese.

Druggists: J. W. FRAYSER, 158 E. Main Street. Wholesale and retail. Proprietor of Frayser's Great Kidney and Liver Lincture.

Dyeing Establishments: Mrs. A. J. PYLE, 315 E. Fifth Street. Dyeing, scouring, and carpet cleaning. Manufacturer of Blue Acid Renovators.

Employment Agencies: J. P. JUSTIS, 9 N. Fifteenth Street. Agent. Established 1868.

Hardware and Carriage Goods: A. B. CLAIRE & SONS, 150 East Main Street. Agents for Imperial outfit trunks.

Harness and Saddlery: V. NICK REID, 102 E. Main Street. Agent of the Horse. Manufacturer and wholesale dealer.

Hay, Grain, &c.: WALTER J. TODD, 429 N. Sixth Street. Country agents of country produce solicited.

Iron Works: ASA SNYDER & CO., 105 to 104 Cary Street. Dealers in IRON BEEF, MUTTON, &c., &c.

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Jewellers: A. C. HIGH, 185 E. Main Street. Watches and jewelry neatly repaired.

Loan Offices: ELLIS ABRAM, 916 E. Broad Street. Money advanced on personal property. Office closed from Friday at sundown to Saturday at sundown.

Locksmiths: JOSEPH DELARUE, 702 E. Main Street. Hanging and general machine repairing. Models for patents.

Lumber: JOSEPH F. WINGFIELD, dealer in lumber and all kinds of ironing and general building furnishings. Bill lumber cut to order.

Mineral Water Bottlers: CITY BOTTLING HOUSE, 400 W. P. Street. Manufacturers of Vanilla Phosphoric and mineral waters.

Paints, Oils, &c.: RICHMOND PAINT STORE, E. Broad Street. Paints, oils, glass, and painters' supplies.

Paper Hanging: S. J. DAVIS, 28 N. Ninth Street. Sales awnings, oil-cloths, and paper hanging.

Plumbers, Gas and Steam Fitters: B. F. REDFORD, 139 E. Main Street. Practical plumber, tinner, gas and steam fitter.

Real Estate Agents: A. J. BRADLEY & CO., Thirteenth and Hull Streets, Manchester. Agent for the Potomac River Savings and Insurance Company.

Rubber Goods: VIRGINIA RUBBER CO., 513 E. Broad Street. Bolting hose, and all kinds of rubber goods.

Sign Painting: D. S. THOMPSON, Franklin Street, under Exchange Hotel. Advertising sign artist. Board fence and wall signs a specialty.

Soap Factory: R. GARCIN & CO., 1446 Franklin Street (op. Washed 1860). Toilet and Laundry Soap.

Tailors: T. W. STAGG, Twelfth Street, under American Hotel. Civil and military tailor.

Undertakers: B. H. MORRISSETT, No. 11 Seventh Street. Manchester. Phone 308.

Wire Mattresses and Cots: F. W. LOW E. 214 E. Main Street. Manufacturer of Champion Woven Wire Mattresses and Cots. The best and cheapest in the market.

Wood and Coal: ELBA COAL YARD (Elba station), Wood and Pine streets. W. S. Picher, agent. All kinds of Coal, Wood, and Coke. Telephone 324.

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