

DISEASE IN IMPURE WATER.

IMPORTANT REPORT TO THE CITY TRUSTEES.

Facts Which Should Silence All Howlers for the River Water.

The following very interesting report was last night submitted to the City Trustees. It is on the subject of water for domestic purposes, and embodies the results of investigations made by Dr. A. M. Henderson, Dr. T. W. Huntington, Dr. Thomas Ross and City Trustees F. E. Tebbets and J. H. Dolan.

WHAT THE COMMITTEE SAY.

To the Honorable Board of Trustees and members of the Health Department of the City of Sacramento—Gentlemen: Your committee appointed to investigate the cause of the prevalence of typhoid fever in Sacramento during the months of March, April and May, 1893, consider means of checking its further development and preventing the occurrence of similar outbreaks in the future, respectfully submit the following report:

Typhoid fever is a germ disease. During an attack of the disease, the germ occupies the intestinal tract in which it reproduces itself rapidly. The passages from the bowels accordingly contain the germs in great numbers. Experiments have been made to find if the germs were to be found in the gases emanating from these passages and the results were negative.

The faecal discharge from one patient would be sufficient to cause an infinite number of cases under circumstances favoring the distribution of the germs. When the germ is carried by milk or other foods the source is commonly indirectly water—by no means likely water drunk by the patient. Epidemics have been investigated by the thousands all over the world and when the origin has been capable of demonstration it has always been shown that the water carried the infection directly or indirectly.

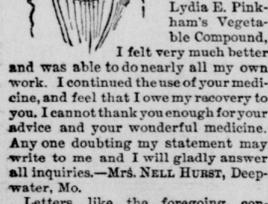
The germs of typhoid have occasionally been found in drinking water at times of epidemic typhoid. The finding of the germ is certainly decisive evidence. Failure to find the germ, however, would not be considered as disproving its presence in the river. The examination is made by adding fifteen drops of water to a medium in which the germ multiplies rapidly. This mixture is kept at an even temperature which favors germ development for from twenty to thirty hours.

During this time from 500 to 1,000 colonies may develop. From this host of growths, many of which may closely resemble typhoid, the bacteriologist must isolate and identify the typhoid germ if it is present.

MRS. PINKHAM'S ADVICE.

What Mrs. Nell Hurst has to Say About It

DEAR MRS. PINKHAM:—When I wrote to you I had not been well for five years; had doctored all the time but got no better. I had womb trouble very bad. My womb pressed backward, causing piles. I was in such misery I could scarcely walk across the floor. Menstruation was irregular and too profuse, was also troubled with leucorrhoea. I had given up all hopes of getting well; everybody thought I had consumption.



After taking five bottles of Lydia E. Pinkham's Vegetable Compound, I felt very much better and was able to do nearly all my own work. I continued the use of your medicine, and feel that I owe my recovery to you. I cannot thank you enough for your advice and your wonderful medicine. Any one doubting my statement may write to me and I will gladly answer all inquiries.—Mrs. NELL HURST, Deepwater, Mo.

germ during this epidemic. We found that only one of the patients had exclusively used boiled water or water filtered through an approved filter, and with the one exception all had used raw Sacramento River water.

We corresponded with the several towns bordering on the Sacramento and American Rivers in an effort to locate the likely source of infection. We learned that several cases of typhoid had been reported in Folsom early in the year; that a case developed in the Folsom Prison on April 15th, and three more developed in the prison soon after. Dr. Browning, the prison physician, realizing the probable source of infection, advised the boiling of the water used by the prisoners and the thorough disinfection of all excreta. The authorities followed his advice, and no new cases have developed since the introduction of these prophylactic measures.

It may be that Sacramento was infected from the same source as the Folsom Prison. The prison, however, likely served as a station for the multiplication of the infection, and the effect would probably have been much more serious to the prison and Sacramento than it was to the prison physician. Not many years since Munich was notorious for its frequent epidemics of typhoid. In 1856 the death rate from typhoid fever was 290 per 100,000. In 1884 it was 2 1/2 per 100,000, the present supply from springs in the Mangfall Valley having been introduced in the meantime. In 1874 the death rate from typhoid in the city of Vienna, then supplied by the contaminated river Danube, was 115 per 100,000.

The United States furnishes several such experiences. Boston suffered from a typhoid fever death rate of 174 per 100,000 from 1840 to 1849. From 1850 to 1852 Boston's typhoid fever death rate was 32 per 100,000, the city having in the meantime expended \$25,000,000 on its water supply. The death rate from typhoid in the city of Lawrence, Mass., for five years prior to 1895, averaged 137 per 100,000; after the establishment of a water supply, it fell immediately to 52 per 100,000, and has continuously decreased until 1896, when it was only 15 per 100,000.

In Lowell, Mass., after the introduction of a system of driven wells, the death rate from typhoid fever decreased remarkably. Atlanta, Ga., and Portland, Or., had similar experiences, but the figures are not in our hands. Wherever a high death rate from typhoid fever is to be found as certainly is to be found there a water supply improperly guarded. America furnishes a large number of examples of this fact. The highest death rate from typhoid in the city of Philadelphia from 1870 to 1891 was 61.9 per 100,000, the highest being 92.2 in 1876, and the lowest 38.2 in 1879. The water supply of Philadelphia is from the Delaware and Schuylkill Rivers.

For five years (1890 to 1896 inclusive) Jersey City, using surface water, averaged 75 deaths per 100,000 from typhoid. Washington, D. C., using Potomac River water, averaged 76.6 per 100,000. Louisville, using Ohio River water, averaged 79.4 per 100,000. Chattanooga, using Tennessee River water, averaged 81.4 per 100,000. Pittsburg, using Allegheny River water, averaged 91.7 per 100,000. Salem, O., 105 per 100,000. Alexandria, using water from the Nile, averaged 162 per 100,000, and Cairo, using water from the Nile, averaged 180.4 per 100,000.

Wherever a water supply properly guarded against pollution is to be found, as certainly is to be found there a low death rate from typhoid fever. Illustrating this fact, and for comparison with the figures before given, we give the rate from typhoid fever for five years, 1890-94, inclusive. In several cities having properly protected water supplies: The Hague, using water filtered from sand dunes, 4.9 per 100,000. Rotterdam, using water filtered from the River Maas, 8.3 per 100,000. Dresden, filter gallery in River Elbe, 6 per 100,000. Vienna, using water from springs in the Schneeberg, 7 per 100,000. Munich, using water from springs in the Mangfall, 10.9 per 100,000. Berlin, using water filtered from Lake Tegel and River Spree, 8 per 100,000. Breslau, using water filtered from the River Oder, 11.6 per 100,000. Amsterdam, using water filtered from Haarlem, 13.9 per 100,000. London, using water filtered from the Thames and Lea, and Kent wells, 14.6 per 100,000. Edinburgh, using water filtered from a reservoir in Pentland Hills, 15.9 per 100,000. Brooklyn, impounded and wells, 19 per 100,000.

To avoid future epidemics of typhoid, Sacramento must profit by the experience of other cities, and procure a protected water supply. Deep wells properly protected will insure the city against epidemics of water-borne diseases. A proper filtration of the river water will afford the same protection. The authorities must choose between these two supplies on the basis of chemical adaptability, sufficiency and constant supply and economy. It is not within the province of this committee to discuss these considerations. A just decision can be made only by an engineer thoroughly acquainted with both systems, and competent to judge of the chemical requirements for a proper water supply. Great disappreciation may be made by a wise measure to obtain the counsel of an engineer qualified to give judgment in every detail, and to be prepared to accept his advice when given.

(Signed) Dr. A. M. Henderson (Chairman), Dr. T. W. Huntington, Dr. Thomas Ross, Trustee F. E. Tebbets, Trustee J. H. Dolan.

averaged 60 per 100,000 per year. In 1886 the city commenced a system of sand filtration. During the six years following 1886 the death rate in the city of Zurich from typhoid fever averaged 10 per 100,000. For several years prior to 1894 the death rate from typhoid fever in the city of Hamburg averaged 28 per 100,000. In 1894 the city introduced an approved system of sand filtration. Since 1894 the death rate from typhoid fever in the city of Hamburg has been 6 per 100,000.

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(Signed) Dr. A. M. Henderson (Chairman), Dr. T. W. Huntington, Dr. Thomas Ross, Trustee F. E. Tebbets, Trustee J. H. Dolan.

Gold Found in the Philippine Islands. On Mindanao, one of the Philippine Islands, gold is found in great quantities owing to the primitive conditions prevailing there it is not known how rich these deposits are. With the advance of civilization this matter will be fully investigated by dredge prospectors. Great discoveries may be made, but no discovery was ever greater than Hostetter's Stomach Bitters, which civilization long ago investigated and found to be all that is claimed for it. In cases of loss of appetite, indigestion, biliousness, or constipation it acts in a truly wonderful manner. The bowels are made to act mildly, the desire for food is renewed, the stomach is sweetened and a healthy color is given to the face. A trial is recommended.

AFTER MORE RECORDS.

Sacramento Wheelmen Bent on Making Bicycle History.

The Capital City Wheelmen last evening applied for a sanction for an open record meet at the Oak Park track next Sunday at 10 a. m. sharp. The club does not consider that last Sunday's meet was held under favorable conditions. There was a strong wind, the officers were dilatory in arriving, and there were but two events, besides which the pacers were new to the business, though they did extraordinarily well. The events next Sunday will be as follows:

Hamlin and Eldred, the new tandem riders, will go for the half-mile un-paced record of 0:57 1-5, flying start, made by Gooch and Eldred at San Francisco, November 21, 1890. Patterson will go for the un-paced half-mile, single, flying start, record of 1:04 3-5, made by L. S. Upon in this city on October 11, 1894.

Hirsch will go for Peck's half-mile record, paced, flying start, of 57 seconds, which he equaled on the last trial. He will also go for the one-third-mile record of Hardy Downing, un-paced (0:38 4-5), made at San Jose, October 25, 1895.

W. Readell will go for the two-mile un-paced record of 5:05 1/2, made by four men at San Francisco, August 22, 1896.

MINNIE MYER'S MONEY.

Some of It Will Be Used to Pay for Her Support.

Judge Hart yesterday heard the application of the Society for the Prevention of Cruelty to Children for an order requiring the guardian of the estate of Minnie Myers, a minor, to pay \$10 per month toward her maintenance from money the child was left by her father, now deceased.

The child's mother, not being a financially capable person to care for her, Minnie was given to the custody of the Children's Society and provided with a home in Grass Valley. She has \$500 in her own right, and the society thought it only fair that a small sum per month should be paid therefrom toward her maintenance.

S. B. Smith, who is the custodian of the money, yesterday testified that the \$500 had been lent to Smith & Bassett for two years at 6 per cent. interest. The matter will come up again next Monday, when it is understood an order will be made directing Mr. Smith to pay a certain sum monthly for the child's care and maintenance.

Notaries Public.

The Governor has appointed Notaries Public as follows: A. C. Maude, Bakersfield; L. D. Holbrook, Watsonville; C. B. Hughton, San Luis Obispo; E. M. Corbelli, Mendocino; Fred A. Walton, Elisha B. Carrier, Louis Schmidt and Donald M. McDonald, Los Angeles; Charles M. Head, Redding; M. B. Harris, Redding, and B. S. Baycroft, Bella Vista.

Testimonial. I have lived in Sacramento City and Washington for the period of twenty-two years. During the past twelve months I had been troubled most severely by stomach and blood trouble; my blood almost turned to water. I had also during that time been troubled with inflammatory rheumatism. I consulted and was treated by four well-known physicians of this city, but they failed to give me any relief whatever. Through the advice of some friends I consulted Dr. T. W. Hing, the Chinese doctor, 707 J street. After undergoing his treatment for ten days I was able to be out and around.

Since then I have gained forty-three pounds in three months. I am not taking any medicine now, for I have no present need for it, and I must confess that I am now in perfect health. I hereby certify that the above statement is absolutely correct and true. FRANK LEDDY, Residence, Washington, Yolo, Sacramento, June 9, 1898.

Women and Girls.

Women and girls wanted at once to work on fruit. Sacramento Packing and Drying Company, G street, between Sixth and Seventh.

Coronado water, Stockton sarsaparilla and iron, champagne cider, ginger ale, orange cider. J. McMorry, agent.

Palst cafe and grill rooms, strictly first-class resort. 1018 Sixth st.

Try McMorry's Blend Coffee. 35c.

AMUSEMENTS.

WEDNESDAY, AUGUST 10TH, AT 10 P. M., in lots; comprised in part of 10 tables, 20 chairs, crockery and glassware, plated ware, table linen, linoleum, mirrors, wine case, bar, bar mirror, National cash register, Simmons refrigerator, Gurney refrigerator, safe, bar furniture, stock on hand, French range, etc. Auctioneer, James Cash. W. H. SHERBURN, 215-217 Market street, San Francisco, aug-9



SYRUP OF FIGS

THE EXCELLENCE OF SYRUP OF FIGS is due not only to the originality and simplicity of the combination, but also to the care and skill with which it is manufactured by scientific processes known to the CALIFORNIA FIG SYRUP Co. only, and we wish to impress upon all the importance of purchasing the true and original remedy. As the genuine Syrup of Figs is manufactured by the CALIFORNIA FIG SYRUP Co. only, a knowledge of that fact will assist one in avoiding the worthless imitations manufactured by other parties.

CALIFORNIA FIG SYRUP CO.

SAN FRANCISCO, CAL. LOUISVILLE, KY. NEW YORK, N. Y.

YOUR MONEY

for a few days this week will do considerably more than full duty. The reduced prices which prevail on every article in our stock from the finest diamonds to the cheapest button hook will be restored to original prices and strictly held as soon as we are in our new store. Now, right now without delay is your time to buy those opera glasses, that watch, that ring. Delay is your loss.

KLUNE & FLOBERG, Jewelers, 428 J Street.

DR. GUNN'S PILLS

ONE FOR A DOSE. Remove Pimples, Prevent Biliousness, Purify the Blood, Cure Headaches and Dyspepsia. A movement of the bowels each day is necessary to keep the system in good health. You will find a full description of this medicine in our circular, or full box for 5c. Sold by druggists. DR. DOSANNO CO. Phila., Pa.

Prepare for the State Fair.

You just have time to get your buggy or wagon painted and repaired so as to make good showing upon our streets to strangers who will be in town.

Painting, \$12 and up.

Let us furnish you estimates and you will find our prices right and our work satisfactory.

A. MEISTER & SONS, 910-914 Ninth St., Sacramento.

GOGINGS' AGUE SYRUP

Cures Fever, Ague and Malaria and is intended for children and others who cannot take Gogings' Ague Pills. A perfectly harmless vegetable compound.

GOGINGS' DRUG STORE, 904 J.

SPECIAL NOTICES.

BAKER & HAMILTON, wholesale hardware, bicycle cars, buggies, carriages, phonographs, Bain farm and header wagons. Send for catalogue.

MRS. WINSLOW'S SOOTHING SYRUP has been used for over fifty years by millions of mothers for their children while teething with perfect success. It soothes the child, softens the gums, allays pain, cures wind colic, regulates the bowels, and is the best remedy for diarrhea, whether arising from teething or other causes. For sale by druggists in every part of the world. Be sure and get Mrs. Winslow's Soothing Syrup. Twenty-five cents a bottle. MWF

AUCTIONS.

DELMONICO RESTAURANT

WEDNESDAY, AUGUST 10TH, AT 10 P. M., in lots; comprised in part of 10 tables, 20 chairs, crockery and glassware, plated ware, table linen, linoleum, mirrors, wine case, bar, bar mirror, National cash register, Simmons refrigerator, Gurney refrigerator, safe, bar furniture, stock on hand, French range, etc. Auctioneer, James Cash. W. H. SHERBURN, 215-217 Market street, San Francisco, aug-9

UNDERTAKERS.

GEO. H. CLARK. AL. P. BOOTH. Clark's Undertaking Parlors, No. 1017 and 1019 Fourth Street, Telephone 134.

MILLER & McMULLEN, Undertaking Parlors, 905-907 K Street, Old Fellows' Temple. EMBALMING A SPECIALTY. Telephone—Cap. 188; Sunset, red, 683.

W. F. GORMLEY, Undertaker and Funeral Director. Mortuary parlors and hall 915 J street, opposite plaza. Telephone: Capital 700; Sunset, blue, 611.

WATERHOUSE & LESTER, (Incorporated.) WAGON AND CARRIAGE MATERIALS, Hardware, Lumber, Iron, Steel and Glass. 702, 711, 715 J Street, Sacramento.

SEND THE WEEKLY UNION TO YOUR Friends in the East.



Old furniture made new

John Breuner, CORNER SIXTH AND K.

Lots and lots of old furniture is too good to throw away. Make it new by re-upholstering. We do this—not in a half hearted way—it's a legitimate part of our business. Not in Sacramento is there another such excellent stock of upholstery stuffs. No better or more conscientious workmen can you find than ours. And no prices were ever more fair. For the asking we'll send a practical man to your house to look over your pieces and measure them. Then come to the store, choose your stuffs and we'll tell you in a jiffy the total cost. All the popular coverings are here to choose from.

RAILROAD TIME TABLE. SOUTHERN PACIFIC COMPANY (PACIFIC SYSTEM). JUNE 26, 1898.

Table with columns: LEAVE TRAINS RUN DAILY, ARRIVE (From). Lists various routes and times between Sacramento and other cities.

FIRST-CLASS LAUNDRY WORK.

Are you getting it? If not, you should send it to Mason's Laundry, where only first-class work is done. Our careful attention is given to all delicate colored goods in shirts and shirt waists.

WAGONS CALL EVERYWHERE.

GIVE US A TRIAL. MASON'S Steam Laundry, Twenty-first and O Streets. MAIN OFFICE, - 525 J STREET.

AT WESTERN HOTEL, Thursday, Friday and Saturday, August 18th, 19th and 20th.

DR. MEYERS

Can be consulted there free of charge.



KIMBALL & UPSON, 625-627 J Street, Sacramento, Sporting Goods.

TO LET.

\$25—Seven rooms, completely furnished on southeast corner of Seventh and N streets.

\$11—A flat of 6 rooms, bath, hot and cold water, on west side of Eighteenth, P and S streets.

\$40—Fine residence of 9 rooms; modern improvements; nice lawn and shrubbery; north-west corner of Seventeenth and N streets.

\$14—New cottage, built last year, 5 rooms, bath, patent closet; choicest dwelling in city for the money, 1227 E street.

\$1200—1712 F street, cottage of 5 rooms, with modern improvements.

\$30—Brick store building with frame addition, north-west corner of Seventh and N streets; it is a splendid location for a butcher's shop in conjunction with a grocery store.

W. P. COLEMAN, Real Estate Salesman, - 325 J Street P. BOHL, Manager.

IN THE SUPERIOR COURT, STATE OF CALIFORNIA, County of Sacramento. In the matter of the estate of FRANKZISKA LOFFLER, deceased. Notice is hereby given that FRIDAY, the 26th day of August, 1898, at 10 o'clock a. m. of said day, and the court room of said court, at the courthouse, in the City of Sacramento, California, the estate of said deceased, FRANKZISKA LOFFLER, deceased, and for hearing the application of Henry Wurtke and Mrs. Jona Fuchs for the issuance of the last will and testamentary thereon.

Witness my hand and the seal of said court, this 26th day of August, 1898. (Seal) W. B. HAMILTON, Clerk. By E. S. WACHS, Deputy Clerk. Indorsed: Filed Aug. 2, 1898. By E. S. WACHS, Deputy Clerk. MILLER & BROWN, Attorneys for Petitioners. ESTATE OF EDWARD MALONE, DECEASED. Notice is hereby given by the undersigned, the executor of the last will and testament of Edward Malone, deceased, to the creditors of, and all persons having claims against the said deceased, to exhibit them with the necessary vouchers, within four months after the first publication of this notice, to the said executor at the law offices of James B. Devine and Charles T. Hughes, No. 429 J street, in the city of Sacramento, California, the estate of Edward Malone, deceased. Dated at Sacramento City, Cal. July 13, 1898. James B. Devine and Charles T. Hughes, Attorneys for Executor. jy19-6t-Tu

SEND THE WEEKLY UNION TO YOUR Friends in the East.