

THE HEALTH OF THE CITY.

Conclusion of Civis' Admirable Series of Letters

IN WHICH HE DEALS WITH THE COST

Of a Sewerage System Suitable to Fredericton.

(Specially Written for the Herald.)

NUMBER VIII.—Conclusion.

To the Editor of the Herald:

Sir: One of the strongest recommendations of the system of sewerage which has been advocated in these articles is that it is inexpensive in its operation when once established. The pipes throughout the city would have to be provided for any process. But here even that expense would be less than in many places, owing to the ease with which the gravelly soil is penetrated.

As regards the cost of the tanks, that would be determined by the number required. They would be built of concrete with an arched concrete cover. The filter-beds of slag and gravel are comparatively inexpensive. The principal cost would be in the arched covers of the tanks. It would probably be best to make the installation gradually, taking the upper part of the town first, as being nearest to the water intake, and as draining the hospital, which would be a great relief to the minds of many. As the system proved its own efficacy, it could be added to until it drained the whole city.

It is a Vital Question

affecting the reputation and the comfort of the capital of the province, and should by no means be allowed to drift.

Making a comparison between the various places in which this process has been successfully adopted, the cost appears to range, for the whole installation of the plant, from \$5 to \$10 per head of the population. That would be from \$40,000 to \$80,000, according to the price of material and labour. This would include plans and supervision. There can be no doubt whatever that when once installed the expenses of maintenance are insignificant. The whole action when properly designed is absolutely automatic. It involves the use of no costly chemicals. It is unaccompanied by the production of sludge, which is an artificial chemical or precipitation processes, proves so troublesome and expensive to get rid of. During three years trial of the system at Yeovil, over twenty million gallons had passed through the tank with practically no muddy deposit.

In estimating the cost of maintenance, attention should be drawn once more to the use of the volume of gas continuously generated. Not only have the works at Exeter been lighted by its employment, but

Experiments Have Been Made By

Dr. Cameron, the originator of the system, who is sanitary engineer of that city, in the utilization of this gas for the production of power, first burning it under a boiler, and thus obtaining the vapour, and then by means of explosions by special engines.

There is yet another indication of possible and even probable economy in the working of this process. Allusion has already been made to the presidential address of Sir William Crookes before the British association at Bristol. In this he spoke with serious earnestness of the steady increase in the demand for food, and the lack of any equivalent increase in the supply. He shewed, if not the certainty, at least the strong probability, that before long the supply would be unable to keep pace with the demand. The only effectual way to prevent the dire certainty which he foreshadowed would

seem to be to restore to the land some portion of the fertility which is taken out of it by the crops; in other words to utilize the sewage from our cities to towns. This has been attempted by means of sewage farms, but with very imperfect success. But if the sewage were first purified in the manner described, and this brought into such a condition that plants could readily feed on it, it would recover some of the fertilizing material which it contains, and a series of market gardens sustained which would be

In the Highest Degree Profitable.

In any case the attendance required at the works themselves is almost nothing. No labour is required, no motive power. There is no risk of the interruptions and accidents which can hardly be avoided when the successful working is dependent on the diligence or the vigilance of employees, however reliable and trustworthy they may be.

The cost of the microbes themselves is infinitesimal. Dr. Cameron has reduced two species to his service, which have been described in previous papers. At present he is hardly able to keep up with the requests made for them. It is calculated however, that one microbe, in the course of twenty-eight hours, can found a family of sixteen million children, which take up very little space, since a little corner of three centimetres square will accommodate four hundred millions. There will therefore be no fear of the supply running short.

The whole discovery is of course due to Louis Pasteur, who found out that life can exist without air. But to Dr. Cameron, of Exeter, is due the application of it to the practical use of refuse purification. His process is patented in England and on this continent.

It only remains to be said that a company

Is to be Formed in Canada.

as has been the case in England and the United States, for the application of the patents, which is to be a construction company, and also one under whose advice and supervision such works can be carried out under royalty payments. This company will shortly be in a position, so the writer is privately informed, to commence operations, and as far as anything human can be certain, it is sure that in a little while the progressive towns situated on lakes or on a river, as we are, will be installing this process as being the only natural one by which the residue of human life can be rendered innocuous.

The public of Fredericton is now in possession of the general data on which to form an intelligent opinion as to the system of sewerage for the city. It is now their part to weigh and ponder them, and the writer ventures to express the hope that those public spirited gentlemen who led the movement will pursue it vigorously, until it issues in the scientific and undoubted rescue of our beloved city from the stigma which now rests upon it, and its vindication as one of the desirable places upon this continent for a permanent home and for the establishment, under the best sanitary conditions, of beneficent and profitable business enterprises.

Should there be any desire for further information, or any disposition to ask questions, the writer will be glad to respond so far as lies in his power, through the medium of the Herald, to which paper he desires to express his obligations for the space necessary for the suitable elucidation of the subject.

CIVIS.

SNIFFLING AND SNEEZING COLDS

Can be stopped in a few minutes and permanently cured in one hour by inhaling fragrant healing Catarrhazone. No remedy compares with Catarrhazone for cold in the head and nasal catarrh. It soothes and heals the inflamed membrane, prevents sneezing and coughing, clears away the "stuffed up" feeling in the forehead. If you have not used Catarrhazone get it today and try it on your next cold. You'll be surprised at the efficiency of this delightful inhaler treatment which pleases everybody because it cures so quickly. Complete outfit \$1.00 trial size 25c.

Japan has counted the cost and has decided that Port Arthur is worth it.

BAD BLOOD.

The Root of Most Troubles That Afflict Mankind.

Bad blood is the mother of fifty diseases. It causes disease wherever your body is weakest. Perhaps you suffer from pimples, pale cheeks, indigestion, neuralgia, rheumatism or general decline. In each case the cause is the same—bad blood. Strike at once at the root of the trouble by renewing and enriching your blood supply with Dr. Williams' Pink Pills. Every dose helps to give you new, rich, red blood that will carry healing to every part of your body. Among the thousands who have proved the truth of these statements is Mr. Neil H. McDonald, Estmere, N. B., who says:—"I have found Dr. Williams' Pink Pills all that is claimed for them. I was completely run down, my appetite was poor and I suffered much from severe headaches. Doctors' medicine gave me no relief, so I decided to try Dr. Williams' Pink Pills. A few boxes have restored me to good health and made me feel like a new man." Give the pills a fair trial and you will find new health and strength. Don't take a substitute or anything else said to be "just as good." See that the full name "Dr. Williams' Pink Pills for Pale People" is printed on the wrapper around the box. Sold by all druggists or sent by mail, post paid, at 50c. a box, or six boxes for \$2.50 by writing direct to the Dr. Williams Medicine Co., Brockville, Ont.

Don't forget that other people feel about as little interest in your troubles as you do in theirs.

A puny child is always an anxiety to the parents. There seems generally no reason why the little one should be weak when it is so well fed. But the fact is that it does not matter how much food

the child takes if the stomach cannot extract the nourishment from it. No benefit can be derived from just eating. That is the condition of many a sickly child. The stomach and organs of digestion and nutrition are not doing their work, and the body is really starving. It is little use to give fish foods, like cod liver oil or emulsions, in such a case, because these also have to be digested; they may lighten the stomach's labor but they don't strengthen it. Strength is what the stomach needs. Dr. Pierce's Golden Medical Discovery strengthens the stomach, nourishes the nerves and increases the action of the blood making glands. It is superior to every other preparation for children's use, on account of its body building qualities, and also because it is pleasant to the taste and contains no alcohol, whisky or other intoxicant. Dr. Pierce's Pleasant Pellets are a valuable aid when the bowels are irregular. They are small. Children take them readily.

Some men stop drinking for the pleasure of beginning once more.

THE MAN WHO WORKS HARD.

Perserverance and will-power he must have, but whether he has strength and vigor is another consideration. Hard working men usually have irritable nerves and should fortify their systems with a course of Ferrozene, a tonic that rebuilds and revitalizes beyond all telling. It's just wonderful the strength that Ferrozene imparts to broken down men. It forms new blood, supplies the system with abundant nourishment, and where formerly there was tiredness and lassitude Ferrozene establishes a reserve of energy and vim. Try Ferrozene,—price 50c. per box.

MARYSVILLE NEWS.

(By our Own Reporter.)

June 10.—Mrs. Robert Johnston and family wish to thank their friends for the kindness and sympathy extended during their sad bereavement.

Miss Marion Inch returned yesterday from the States where she has been the past year nursing in a hospital.

There is a rumor of a wedding between a well known sportsman and a charming belle of Penniac.

Mrs. McLeod, of St. John, is the guest of Mrs. John R. McConnell.

The Mission Band in connection with the Methodist church, are to hold a cantata in the Orange Hall, on or about the 15th of, on which occasion an excellent program will be presented. Those who have the affair in charge are working hard to make it a success.

RACKING PAIN IN THE JOINTS

Also every form of rheumatism, neuralgia and sciatica are best cured by Nerviline the quickest relief for muscular pain yet discovered. It's because Nerviline strikes in and penetrates right to the core of the pain that it gives such satisfaction. "I caught cold in my shoulders while driving and suffered great pain," writes G. E. Dempsey of Berlin. I used Nerviline freely and was soon quite well. I have found Nerviline an excellent remedy for rheumatism and neuralgia as well as for cold on the chest. I recommend Nerviline highly and would not be without it." Price 25c.

In falling, Port Arthur should try and land on some place where there are no tacks.

50 Members of Congress Send Letters of Endorsement To the Inventor of the Great Catarrh Remedy, Pe-ru-na.

Congressman Linney from North Carolina, Writes: "My secretary had as bad a case of catarrh as I ever saw, and since he has taken one bottle of Peruna he seems like a different man."—Romulus Z. Linney, Taylorsville, N. C.

Congressman Ogden from Louisiana, Writes: "I can conscientiously recommend your Peruna."—H. W. Ogden, Benton, La.

Congressman Smith from Illinois, Writes from Murphysboro, Ill.: "I have taken one bottle of Peruna for my catarrh and I feel very much benefited."—Geo. W. Smith.

Congressman Meekison from Ohio, Says: "I have used several bottles of Peruna and feel greatly benefited thereby from my catarrh of the head."—David Meekison, Napoleon, O.

Congressman Dunnell from Minnesota, Writes from Owatonna, Minn.: "Your Peruna has been used by myself and friends not only as a cure for catarrh but also as an admirable tonic for physical recuperation."

Congressman Thompson from Kentucky, Writes: "Besides being one of the very best tonics Peruna is a good, substantial catarrh remedy."—Phil. B. Thompson.

Senator Thurston of Nebraska, Writes from Omaha, Neb.: "Peruna entirely relieved me of a very irritating cough."—J. M. Thurston.

Congressman Worthington from Nevada, Writes: "I have taken one bottle of Peruna and it has benefited me immensely."—H. G. Worthington.

Congressman Bankhead from Alabama, Writes: "Your Peruna is one of the best medicines I ever tried."—J. H. Bankhead, Fayette, Ala.

Congressman Powers from Vermont, Writes from Morrisville Vt.: "I can recommend Peruna as an excellent family remedy."—H. Henry Powers.

Senator Sullivan from Mississippi, Writes from Oxford, Miss.: "I take pleasure in recommending your great national catarrh cure, Peruna, as the best I have ever tried."—W. V. Sullivan.

Congressman Snover of Michigan, Writes from Port Austin, Mich.: "I have found Peruna a very efficient and speedy remedy for a persistent and annoying cough."—H. G. Snover.

Senator McEnery of Louisiana, Writes: "Peruna is an excellent tonic. I have used it sufficiently to say that I believe it to be all that you claim for it."—S. D. McEnery, New Orleans, La.

Congressman Brownlow of Tennessee, Writes: "I have taken three bottles of Peruna and feel satisfied that I am now almost, if not permanently, cured of catarrh of the stomach."—W. P. Brownlow, Jonesboro, Tenn.

Senator Mallory of Florida, Writes from Pensacola, Fla.: "I have used your excellent remedy, Peruna, and have recommended it both as a tonic and a safe catarrh remedy."—Stephen R. Mallory.

Senator Butler of South Carolina, U. S. Senator M. C. Butler writes: "I can recommend Peruna for dyspepsia and stomach trouble."—M. C. Butler, Edgfield, S. C.

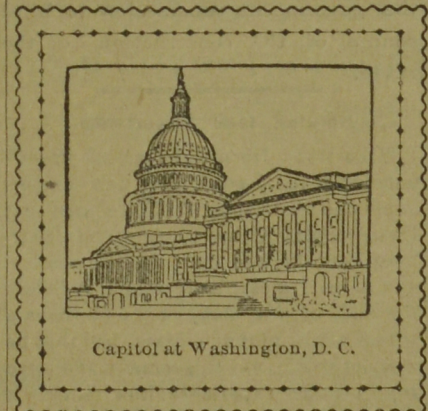
Congressman Brookshire of Indiana, Says: "From what my friends say Peruna is a good tonic and a safe catarrh cure."—E. V. Brookshire, Crawfordsville, Ind.

Congressman Dovingier of West Virginia, Writes from Wheeling, W. Va.: "I join with my colleagues in the House of Representatives in recommending your excellent remedy."—B. B. Dovingier.

Congressman Broderick of Kansas, Writes from Holton, Kas.: "I have taken two bottles of Peruna and find it to be an excellent remedy for cold and throat trouble."—Case Broderick.

Congressman Yoder of Ohio, Writes: "I only used Peruna for a short time and am thoroughly satisfied as to its merits."—S. S. Yoder, Lima, O.

Congressman Mahon of Pennsylvania, Writes from Chambersburg, Pa.: "I commend Peruna as a substantial tonic."—Thad M. Mahon.



Capitol at Washington, D. C.

Congressman Sparkman of Florida, Writes from Tampa, Florida: "I can endorse Peruna as a first rate tonic and a very effective cure for catarrh."—S. M. Sparkman.

Congressman Brewer of Alabama, Writes: "I have used one bottle of Peruna for lassitude. I recommend it."—Willis Brewer, Haynesville, Ala.

U. S. Senator Gear of Iowa, Writes from Burlington, Ia.: "Peruna I can recommend to all as a very good tonic."—John H. Gear.

Congressman Culberson of Texas, Writes: "I can recommend Peruna as one of the very best of tonics."—D. B. Culberson, Jefferson, Texas.

Congressman Livingston from Georgia, Writes: "I take pleasure in joining with General Wheeler, Congressman Brewer and others in recommending Peruna as an excellent tonic and a catarrh cure."—L. I. Livingston, Kings, Ga.

Congressman Clark of Missouri, Says: "I can recommend your Peruna as a good, substantial tonic and as one of the best remedies for catarrhal troubles."—John B. Clark.

Congressman Pelham of Virginia, Writes from Bancroft, Va.: "My sister-in-law has been using Peruna for about one week for catarrh of the throat and is manifestly improved."—C. Pelham.

Congressman Burnett of Alabama, Writes: "I cheerfully recommend Peruna as a very good catarrh remedy and a good, substantial tonic."—John L. Burnett, Gadsden, Ala.

Congressman Botkin of Kansas, Writes from Holton, Kas.: "Peruna has given me almost complete relief from catarrh of the stomach and constipation."—J. D. Botkin.

Congressman White of North Carolina, Writes from Tarboro, N. C.: "I find Peruna to be an excellent remedy for the grip and catarrh. I have used it in my family."—G. H. White.

Congressman Wilber of New York, In a letter from Oneonta, N. Y., says: "I am fully convinced that Peruna is all you claim for it."—David P. Wilber.

Congressman Dungan of Ohio, Writes from Jackson, O.: "I recommend Peruna to anyone in need of an invigorating tonic."—Irvine Dungan.

Congressman Barham from California, Writes from Santa Rosa, Cal.: "I used your Peruna and can cheerfully recommend it."—J. A. Barham.

Congressman Deweese from Indiana, Writes: "Peruna should be in every household."—John I. Deweese.

Congressman Turner from Kansas, Writes: "Peruna is certainly a cure for catarrh."—E. J. Turner.

Other members of Congress who endorse Peruna, are:

Ex-U. S. Senator, D. F. Rice, of Oklahoma.

Congressman Fred. S. Goodrich, of Florida.

Congressman Harry Skinner, of North Carolina.

Ex-Congressman L. P. Featherstone, of Beaumont, Texas.

Congressman J. H. Huling, of West Virginia.

Congressman D. L. Russell, of North Carolina.

Congressman Spencer Blackburn of North Carolina.

Congressman Turner of New York.

Congressman Culberson, of Texas.

Congressman Nunn, of Tennessee.

Congressman Fitzpatrick, from Kentucky.

Congressman Purman, from Florida.

Congressman Hazleton, Wisconsin.

Congressman Bartine, from Nevada.

U. S. Senator Call, of Florida.

For free book address the Peruna Medicine Co., Columbus, Ohio.