

The Septic Tank and Its Relation to Newberg's Sewage Problem.

In the issue of last week, attention was called to the advisability of adopting some sanitary measures by our citizens that might lessen liability of disease or contagion from the sources that inevitably produce such, with which our city is dotted and spotted all over. It may not be extreme to state that there are very few, if any homes within our corporate limits, that could pass favorable inspection by an intelligent health officer, on account of faulty plumbing, foul cesspools, poor drainage or carelessness.

As before stated in previous articles, there is a practical remedy, and one which possesses the rare virtue so seldom connected with civic improvements, of being cheap enough to be within reach of every home owner. The "septic tank" furnishes the solution for every requirement of perfect sanitation without the tremendous cost of a sewerage system. So simple in operation, yet so perfect in results, it demands the careful consideration of every one interested in the health of our people.

There are various methods of construction but perhaps the cheapest material is cement walls or bricks plastered with cement, either of which reduces cost to a low figure. From data gathered from best authorities we find that a few fundamental principles are to be observed to insure perfect success in operation which are very easily understood. Build the tank larger than present necessities call for. It can not be too large but may be too small. The idea of light being excluded entirely is erroneous, but a roof is necessary that will completely protect from any disturbance of surface of water in the tank. Arrange your inflow and outflow so that no current reaches to or comes from the top of the water. A tank five feet wide, three feet long and three feet deep will actually serve a family of nine or ten persons but a larger tank with a combination of families using the same will better carry out the chemical requirements of disintegration.

As a matter of interest the chemical principles involved in the septic tank may be explained. The tank contains water into which the sewage is flushed where it is attacked at once by a member of the microbe family, a bacterium known as the anaerobe, which derives oxygen from the proteid found, thereby destroying largely the poisonous qualities and rendering it harmless and inoffensive. These bacteria multiply rapidly, it being estimated by one authority that each bacterium would produce in 24 hours 16,000,000 bacteria; active and ready for business. This agent of purification is able to take from the poisonous mass in which it lives 70 per cent of the dangerous, disease breeding elements so that when the overflow from the tank reaches the outside it is harmless and can be disposed of for irrigation or turned into any surface drainage most convenient. To carry the chemical process a little further, the bacteria anaerobe has an opposite, the bacteria aerobe, whose sole aim in life is to finish the labor of the other worker, for, when the drainage reaches open air and sunlight the process of purifying is completed by this aerobe which uses all the impurities its other collaborer has not appropriated.

A conservative estimate of

complete sewerage for the city of Newberg, by the old plan, would probably exceed forty thousand dollars. This heavy outlay and consequent increased tax, can be obviated, and if so does it not appeal to us to investigate any feasible plan by which it can be done? Again we repeat, that we believe the septic tank affords the solution for the sewerage problem.

Fruit to—Feed to the Hogs.

Says the Dayton Herald: Henry Moench sold this year between 300 and 400 bushels of peaches. This was the produce of one acre of land. Mr. M. at first of the season could have taken orders for all peaches that he had, but he supposed he would only have 150 bushels, and not wishing to disappoint any one, only took orders for that amount. But he had no trouble to dispose of what he had. He has a lot of petite and silver prunes, which, instead of gathering he has turned a lot of hogs into his orchard to clean up the fruit as it falls.

Real Estate Transfers.

Reported by the Yamhill County Abstract Company, McMinnville.

N L Wiley and wf to O Woodworth, 1.66 ac of land in sec 13 t 3 s r 2 w, \$51.

David Emmerson and wf to E N Whitlaw, 11 9-16 ac in D D Deskins d l c t 3 s r 2 w, \$2550.

Edward Parrish and wf to Loren Ryan, 10 ac tracts 45 46 Hurleys sub, \$2300.

J R Smith to H R Morris and wf, und 1/2 of 20 ac in J H Hess d l c t 3 s r 2 w, \$300.

H R Morris and wf to J R Smith, 1/2 lot 5 blk 12 Central add to Newberg, \$450.

H R Morris to L M Smith and wf, und 1/2 lot 6 blk 15 Central add to Newberg, \$200.

E C Lugar to Delano Estle, 4 ac J B Rogers d l c t 3 s r 2 w, \$1400.

J E Todd and wf to Robert Brigham, 2 ac land; lots 1 2 5 6 blk 48 La Fayette, \$120.

Theda M Huntley to Wm E Fortune and wf, lots 2 and 3 Little Homes sub, \$1000.

Cause of Lockjaw.

Lockjaw, or tetanus, is caused by a bacillus or germ which exists plentifully in street dirt. It is inactive so long as exposed to the air, but when carried beneath the skin, as in the wounds caused by percussion caps or by rusty nails, and when the air is excluded the germ is roused to activity and produces the most virulent poison known. These germs may be destroyed and all danger of lockjaw avoided by applying Chamberlain's Pain Balm freely as soon as the injury is received. Pain Balm is an antiseptic and causes such injuries to heal without maturation and in one third the time required by the usual treatment. It is for sale by C. F. Moore & Co.

Small Boy's Essay.

The fli is a small animal that gets in the butter in the good old summer time. It has eight laigs; four to walk on and two to shuffle together and tickle with. Flies are found all over Americy but mostly on bald heds. He are the cauz of much cussin by folks what he pesters with his tickling laigs. The fli cannot be shuck up for he has ize on his back rite behind his shoulder blaid. The fli loves to get on baby's nose and shuffle his feet. It is fun to leave him on baby's nose ef your mother aint around to land on you for it. The fli is commonly called a fli, but he has another name. Pop calls him a helluvanuisance.

A Love Letter

Would not interest you if you're looking for a guaranteed salve for sores, burns or piles. Otto Dodd, of Ponder, Mo. writes: "I suffered with an ugly sore for a year, but a box of Bucklen's Arnica Salve cured me. It's the best salve on earth. 25c at F. H. Caldwell & Co's. drug store."

Marriage Licenses.

Ellen A White 28, to J J Patton, 31.

Lucy M Werth, 18, to Wilhelm F Shad 27.

Ruby G Sargeant 18, to Leonard S Hopfield, 24.

Cecil M Peckham, 20, to R J Hitchcock, 34.

Head About to Burst From Severe Bilious Attack.

"I had a severe bilious attack and felt like my head was about to burst when I got hold of a free sample of Chamberlain's Stomach and Liver Tablets. I took a dose of them after supper and the next day felt like a new man and have been feeling happy every since," says Mr. J. W. Smith of Juliff, Texas. For biliousness, stomach troubles and constipation these tablets have no equal. Price 25 cents. For sale by C. F. Moore & Co.

You don't pay any more for your goods with chairs than you did without them at Porter & Larkin's.

One Of Many.

H. A. Tisdale, of Summerton, S. C., suffered for twenty years with piles. Specialists were employed and many remedies used but relief and permanent good was found only in the use of DeWitt's Witch Hazel Salve. This is only one of the many, many cures that has been effected by this wonderful remedy. In buying Witch Hazel Salve it is only necessary to see that you get the genuine DeWitt's, made by E. C. DeWitt & Co. in Chicago, and a cure is certain. DeWitt's Witch Hazel Salve cures all kinds of piles, cuts, burns, bruises, eczema, tetter, ringworm, skin diseases etc. Sold by F. H. Caldwell & Co.

Pigs for sale. H. T. Cash. Phone 2315.

Broke Into His House.

S. Le Quinn of Cavendish, Vt., was robbed of his customary health by invasion of chronic constipation. When Dr. King's New Life Pills broke into his house, his trouble was arrested and now he's entirely cured. They're guaranteed to cure. 25c at F. H. Caldwell & Co's drug store.

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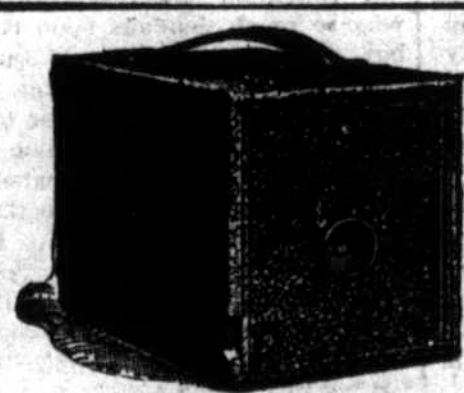
THE CLOTHIERS.

Many Mothers of a Like Opinion.

Mrs. Pilmer, of Cordova, Iowa, says. "One of my children was subject to croup of a severe type, and the giving of Chamberlain's

Cough Remedy promptly, always brought relief. Many mothers in this neighborhood think the same as I do about this remedy and want no other kind for their children." For sale by C. F. Moore & Co.

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