

COLUMBUS OHIO SEWAGE

(Continued from page 1.)

The filters are built in triangular form, four in number, and radiating from a central gate house. They are constructed of ten inches of coarse stone covered by about four feet of smaller stone averaging from one and one-half to three inches in diameter. Each filter has an area of two and a half acres or ten acres in all. Distributing pipes lead out from the central gate house upon which spray nozzles are attached which spray the sewage fairly evenly over the beds. There are 2100 of these jets in all. Underneath the beds are placed collecting mains which bring the effluent back to the gate house ready for further treatment.

The beds operate at an average rate of 2,000,000 gallons per acre per day, but as only one-half are in use at any one time the actual rate is double this quantity. They have given great satisfaction, not showing any tendency to clog.

The final step in the process is passing the effluent through settling basins, where nearly all of the remaining sludge is removed. These are of concrete four and a half feet deep and the sewage takes three hours to pass through.

The method of removing the sludge is rather unique. At the time of freshets, when the river is very high, the sludge is cleaned out of the tanks and basins and pumped directly into the river causing no nuisance at this time.

The cost of the entire plant including the pumping stations and sewer extensions was about \$1,300,000. The final effluent obtained is not entirely clear but is non-putrescible and causes no nuisance. The suspended matter is reduced from 200 parts per million in the raw sewage to 36 in the effluent or 82 per cent. purification. Also the bacteria are reduced from 2.40 to 0.56 million per c. c. which is entirely satisfactory as the stream is not used for drinking purposes at any point below.

GENERAL NEWS

TELEGRAPH NEWS OF THE MORNING.

Forecast for Boston and Vicinity.—Fair Thursday, moderate north to northeast winds.

Still damp and chilly. There are cold spots yet in the north. Fog in the early morning and a temperature of 50 or under.

Boston, May 5.—Mayor Fitzgerald today denounced the school board's action last night in over-riding his veto of the appropriation of \$529,557 for new schools and charged the school board with being the most extravagant in the world and the most expensive that Boston has ever had.

That the city has an incomplete school system and that numerous half-finished products are being turned out of the schools annually, is the mayor's contention.

Provincetown, May 5.—With her bow high in the air and her after compartments full of water, the freight S. S. Santurce staggered into this harbor, at dawn after a perilous night off the end of Cape Cod, following her being tanned last evening by the oil tank S. S. Ligonier.

Skillful seamanship and a plucky engine crew saved the Santurce from going to the bottom, but her commander Capt. Folker, had no soft words for 17 deckhands who, like rats from a sinking ship, scurried over the sides of their vessel to the Ligonier, while the latter's bow was grinding the side of the Santurce.

The collision took place off Cape Cod light about 3 a. m., in the midst of a dense fog. The Santurce had discharged a heavy cargo of sugar in Boston and was jogging along round the Cape for New York.

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