## AFTER PURE WATER.

### Possibility of Any Source Becoming Polluted Eventually.

drop in the bucket in the paying for such an enterprise. Some time ago when this scheme was advanced, bids were taken for the building of such a works at this same place. Every move toward a new sytem of water supply has pointed toward Nine Mile Island, just because it has a beautiful sight for a reservoir.

#### A Very Costly Proposition.

"As I said, bids were taken, and the lowest one was something over \$3,000,000. This did not include the amounts which would have to be paid for rights of way and damages caused by bringing the pipes down to the city.

"This idea of going a great distance away from the city in order to obtain pure water is erroneous. The harmful impurity in water is the nitrogenous matter. The results of the tests of samples of water taken from the region of Nine Mile Island, over the intake pipe from which Allegheny's supply is now received from the reservoirs, and at a hydrant in Allegheny after filtering and at a hydrant before filtering, made by Francis C. Phillips are very interesting at this time. His report showed that the water taken from above the intake pipe was charged with twice the organic impurity as the water taken from the hydrant before filtering. A com-parison of the water taken from above the intake pipe with the samples taken from Nine-Mile Island and from the hydrant after filtering showed the former one-third more impure than the other two. So far as organic matters were concerned the samples taken from the hydrant were the best, although the unfil-tered sample was probably the purer of the two. The waters taken from the reservoir and from Nine Mile Island were very Allegheny's supply is now received from the

and from Nine Mile Island were very nearly alike in the proportion of organic matter, and scarcely interior to the filtered sample. The water taken from above the intake pipe was inferior in quality to all the others, being richest in nitrogenous matter.

#### All of Them Fit for Drinking.

"Prof. Formad's bacteriological analysis showed that the filtered sample was, from this standpoint, a water much better than the rest. The other samples varied, but little as far as bacteria and organic matters were concerned. Next to the filtered water came the water taken from Nine-Mile Island; came the water taken from Nine-Mile Island; then the water from the reservoir, from the intake pipes and the sample taken from the hydrant before filtering followed in the order named. In Prot, Formad's opinion any one of the five samples was fit for drinking purposes, and contained noth-ing injurous to health. Prot. Henry Leff-mann's tests resulted in declaring that there was not much choice but the Nine Mile was not much choice, but the Nine-Mile Island water was the best, and the samples obtained from the hydrant, filtered and unfil-tered, the worst; but he considered them all good waters according to the chemical tests. In the face of the results of these analyses which were made

would do away with the necessity of hav-ing the water settle. My idea is to have a reserve pumping capacity when the source of supply is sufficient to meet all demands, and not go to the expense of building larger reservoirs than necessary." Polluted Eventually. Polluted Eventually. RIVERS CLEANSE THEMSELVES. The Danger From Sewage Not 50 Great as Generally Imagined. METHODS USED IN EUROPEAN CITIES "The report of the proceedings of Select Council of Allegheny quotes me as ob-jecting to the issue of bonds for water works improvement," said J. R. Henricks, the Allegheny Councilman, yesterday. "I do not object to the improvement, nor to the issue of bonds. Whai I do object to is that all the facts have not been pub be-fore the public. We should ascertain the cost of a complete water works either at Six or Nine Mile Island and make it known to the public. Then by popular to cholera scare nor any other method could be used to hurry the public into rot-ing on any incomplete scheme. "The building of a reservoir and works at Ne Mile Land. This would not be a drop in the bucket in the paying for such an enterprise. Some time ago when this How to Get Good Water.

far removed from any place where a great amount of sewage is discharged. Antwerp's Source of Drinking Water.

"I was deputized by the State Board to make an examination of the systems used by various foreign cities to filter their drinking water. I more particularly examined the systems in use at Berlin and -In a Cleveland boarding house Grace Arter, a young wife, was found dead yester-day, having taken poison during the night. The couple are from Pittsburg. Her hus-band had left her to go to Philadelphia Mon-day evening.

examined the systems in use at Berlin and Antwerp, especially the latter place, as being representative systems. I found Antwerp was receiving her supply of water from one of the most sluggish, filthy and muddy streams I ever saw. Not-withstanding this they transformed the water by the metallic system of filter-ing into water as good and as pure as any spring water. The standard for grading waters on the other side is pure mountain stream water, as all waters have more or -A traveling. land, who came from New York six months ago, was arrested Monday night. On May 3 he married Miss Bessle Abrams, a young Cleveland society lady, although he has a wife and three children in New York. He



"No filtering system is practical unless the filtering substance can be removed and cleaned. In the manganese system the ore could be removed at intervals and replaced very cheaply. Iron or manganese destroy nearly all the bacteria, at least all the harmful spacies that may exist in the water nearly all the bacteria, at least all the harmful species, that may exist in the water. Charcoal is a regular breeding place for germs. In connection with this subject it is interesting to note the great disparity in the amount of water supplied different cities. The English towns and cities pro-vide for from 30 to 40 gallons a day each in-habitant. New York has a capacity of 83 gallons per day for each person; Philadel-phin 88 and Boston 90 gallons. Baltimore has the maximum capacity of 500 gallons for each person and is only exceeded by Rome which can furnish 800 gallons for each inhabitant. Pittsburr has a capacity

Distributing Berlin's Sewage.

bottom

Palac

Sunday, and the Corporation of D World's Fair managers have only 15 days -The British East Africa Company has accepted the Government's offer of £12,000 to enable them to hold out three months

-During the Anglican Congress at Folke-stone, England, yesterday the Low Churoh-man were mobbed and their banner was lorn to pieces.

-A collision of trains on the Northern Pacific Railroad at North Town Junction Monday evening killed Fireman Bell and wounded eight others. -Thirty thousand pilgrims have started from the Kremin, in Moscow, for Troites to celebrate the five hundredth anniversary of the death of St. Serglus.

-The Canadian Government will appoint Justice Strong to the Chief Justiceship of the Supreme Court, made vacant by she death of Sir William Ritchie.

coath of Sir William Bitchie. -Dr. Pelligrini will succeed Senor Plaza as Argentine representative in London, and will be charged to propose terms for a final arrangement in regard to the debt. -While two little daughters of George Raymond, at Aurora, Ill., were crossing a railroad track one had ber foot caught in the rails, and both children were killed by a train.

-Gasoline which was being sprinkled on the floor of a room in Yankton, S. D., to kill bedbugs, found a way in the kitchen above and exploded, stally burning the master of the house, Charles Winchester.

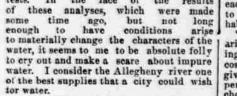
the house, Charles Winchester. —By the collapse of a floor in the Normal School at Tarbes, in the Pyrenees, Sunday, during a prize distribution, 300 persons were precipitated into a room beneath. Over 100 were injured, and one, a child, was klised. —Although the Chinese Government re-fuses to make an exhibit at the World's Fair on account of the exclusion of the Chinese, there will be an exhibit of the wonders of the Flowery Kingdom prepared by local Celestials.

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#### The Rivers Purify Themselves

"It is stated on the best scientific authorities that streams purity themselves within a tew miles. Therefore, the sewage of the small towns above the point where the citics' sewage ceases need not be taken into ing plant, to be erected at a point to avoid the cities' sewage, and point to avoid the cities' sewage, and bere have small pumps sufficient to raise the water from the river to the filter. From here I would advise the piping of the water down to the pits we now have and from down to the pits we now have and from there have it pumped up into the reservoir. We have pumps of 30,000,000 gallons capacity and the reservoir. Why should an extra expense be gone to in this direction? We have so increased in growth that the reservoir is no longer of use for pumping the water by subsidence, as it is emptied three times a day. Reservoirs are built for two purposes storage are built for two purposes, storage and subsidence. The reservoir we have is large enough for us for storage and a filter Stewart Parnell died at Brighton, England.

each inhabitant. Pittsburg has a capacity to supply about 190 gallons for each in-habitant. Magnificent Disblay of Bedroom Sets

habitant. "Since the great cry for pure water has arisen, there is a possibility of cities jump-ing into one system or another which may cost a great deal of money and will perhaps give no results of any benefit except the ex-perience. So they should go slow in the choosing of a system."

LATE NEWS IN BRIEF.

-The late Ernest Renan will have a state

-Austria will establish several more con-sulates in America.

-Over an inch of snow fell yesterday in parts of Quebec province. -It is claimed that the next Bussian budget will show no deficit.

-The Eskimo colony for the World's Fair has reached Cape Breton Island.

-Rumored that the Utes are off their re-servation and will fight the cowboys, -Brigands between Tiflis and Shuska at-tacked and robbed a military magistrate

recently. -The Hitchcock (Neb.) county seat war has been ended by the appearance of the military on the scene.

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THIS INK IS MANUFACTURED

A LADY'S SHOE.

After it is too dark to read, save to those who will travel to their windows in search of light, a man I know is sometimes to be found in his armchair by a fire, toying with a lady's shoe. He is a bachelor-whimsical, you will say-and how that frayed shoe became his I know not; for often though he has told me the tale is never twice the same. When such is his odd mood, he will weave me strange histories of the shoe, and if I would be sad they are sportive, and when one makes me merry he will give it a tragic ending, for such is the nature of the man. Sometimes he is not consistent, which, he quietly explains, is because he has only one of the shoes; and he will argue that so-called of the shoes; and he will argue that so-called inanimate objects accustomed to the married lite, such as shoes and gloves and spectacles mourn the loss of their mate even as Christians do, which he proves, should I smile, by asking whether, though previously hard workers, they are ever, if separated, of much more use in the world. Nor is that the only hard question he asks me, for when I tell him that all his stories of the shoe cannot be true, he demands of me which of cannot be true, he demands of me which of them is necessarily false, and I have no answer. Perhaps you, too, will be dumb to that question after you have listened to me, it such be your pleasure, while I repeat a little of what he tells me in the twilight, as we sit by the fire looking at the little bronze

II. A hundred and one years and six months ago, says my friend, who is scrupulously exact about dates where they are of no consequence, that shoe and its partner got their first glimpse of the world. They sat all day in a shoemaker's window in the Strand, looking out upon the great fair which human beings provide for the entertainment of the articles that have the luck to get a seat in looking out upon the great fair which human beings provide for the entertainment of the articles that have the luck to get a seat in shopkeepers' windows, instead of being hung up inside on strings, or hidden away in boxes. They were a very dainty pair, made for the fect of some Cinderella with a god-

mother, and many ladies stopped to look at them who passed St. Paul's without giving it a glance. But there was a little dress-maker who loved these shoes as no other loved them, and she stood admiring them so often that they got to know her and won-dered why she did not come in and buy. You see, they had as vet no knowledge of the world, and thought that a trumpery dressmaker ought to have them, just be-cause she had such pretty little feet. They did not understand that beautiful shoes are not for feet that fit them, but for purses not for feet that fit them, but for purses that can buy them.

not for feet that fit them, but for purses that can buy them. She was not so very little, this dress-maker, who hungered for the tiny bronze shoes; but she was only a girl, and she had to sew for her life all day and often at night, and that, my friend says, is why he calls her the little dressmaker. I suppose he means that she was so small compared to the foes a poor girl has to fight in London. But though she was poor, she was not un-happy. She not only made pretty dresses out of rich material for ladies such as the shoes were meant for, but 'retty, cheap frocks for herself, in which she was de-lightful to look at. A really pretty girl always looks best in something at two-pence halfpenny the yard, and really plain ones look their worst in alik and vel-vets. These, be it noted, are my friend's views. The little dressmaker never quite roge to them. She often smiled with satis-faction when she say herself in the fine brocades that were meent for my Lady Mary. As it is the duty of all women to look as nice as possible, the little dress-maker cannot be blamed for wishing sometimes that she had \$5,000 a year. Had she had that sum, her first purchase would have been the shoes. She often thought of them at uights, and looked at her pretty feet and counted her money, and then shook her head mournfully. The little dressmaker had only one rela-tive in the whole wide world, and he was a

these two loved each other. Will ran errands for anyone who would employ him, and he had such an appetite that he often felt compelled to apologise for it. The lit-tle dressmaker could have bought the shoes to which she had given her heart, had she not known that the consuming desire of Will was to possess a certain magnificent knife.

"How absurd of Will," the little dressmaker often said to herself, "to want that ugly knife. What can he do with it, except

all y knice. What can be do with it, except cut his fingers?" At these times she could not help com-paring boys to girls, and thinking that the desires of her own sex were much more reasonable, for what could be more natural and proper than to pine for the loveliest nair of herowa shoe?

pair of bronze shoes? Will knew why his sister often gazed at these shoes, and he would smile at her in-

"How foolish girls are," was his comment to himself. "No sensible person could see that knife without wishing to own it; but what does it matter whether one wears pretty shoes or ugly shoes, or even no shoes at all."

pretty shoes, or ugly shoes, or even no shoes at all." Nevertheless, these two loved each other, and Will would have liked his sister to get the shoes, if only he could get the knife as well. The little dressmaker loved Will even more than that, and was determined that he should have the knife, though she had to give up the shoes. Can you see her at the shoemaker's win-dow, looking at the shoes, and then at her own feet, until she felt certain that all the Strand was laughing at her? Once she went into the shop and asked, the price of the shoes. She came out scared. Next day, notwithstanding, she was back at the win-dow, with the money in her possession, and it almost compelled her to go in and buy. She had to run away. After that she left the money at home, lest it should some day drag her into the shop. Be tried to avoid the Strand altogether, but still her feet took her there against her will, for you cannot conceive how anxious they were to step into these little bronze shoes. The little dressmaker, who was the most mealfiele of word of the shop.

shoes. The little dressmaker, who was the most unselfish of women, despised herself for her vanity, and thought to be happy again by buying the knife without delay. Then the shoes would be beyond her reach as com-pletely as if some great lady had bought them.

"Here is the money for the knife, Will."

she said bravely one day, and Will grasped the money, which was in many pieces, all earned with toil. "But the shoes?" Will said, repressing his desire to rush out for the knife. "I don't care about them," his sister said,

"It is not," Will said uncomfortably, "as if you had no shoes. Those are nice ones you are wearing now." They were not really nice ones. It was

They were not really nice ones. It was quite a shame that such pretty feet should be libelled by them. But these were mat-ters Will did not understand. "All one wants of shoes," he said, "is that they should have no holes in them." "That is all," answered the little dress-maker, with a courageous smile, and she spoke of the knife with such interest that Will set off to buy it, convinced that she no longer cared about the shoes. Forget-ting something, however, he turned back for it, and behold he found the little dress-maker in tears. You must not blame her. for it, and behold he found the little dress-maker in tears. You must not blame her. It was quite a big sacrifice she had made, and therefore, though she was crying, she was not very unhappy. Unselfishness is the best cure for trouble. Will, of course, did not realize this. He suddenly remem-bered that, though they were so poor, he seemed to get everything he wanted very much, while she seemed to get nothing. He was stricken with remorse, and said craftily that he, wanted her to come with him to buy the knife. Well, she went with him and presently she discovered that it was not the knife he meant to buy. "Oh, Will," she whispered, trembling. "I won't have the shoes. I want you to get that knife."

"Twon't nave the snoes. I want you to get that knife." "Pooh," said Will grandly, "I don't care to have the knife. What use do I have for it?"

for it?" "You will make me wretched, Will," the little dressmaker said, "if you buy the ahoes. These I have are quite nice ones." "You are to have the shoes," replied Will firmly. "No one could look so pretty in them as you will do." "Oh, Will, have you noticed?" faltered the little dressmaker, meaning had Will noticed that her feet really were; made for lovely shoes.

noticed that her feet really were; made for lovely shoes. "Of course I have," answered Will, not at all understanding what she was referring to. "But I can't spend so much money on my-self," she said. "It is my money now," said Will trium-phantly, "and I am to give you the shoes as a present."

Feeling like a man, he requested her to take his arm, and so they advanced along the Strand, making quite a gallant show for such wayfarers as could read faces. Alas, they reached the shop too late. The shoes were gone. An hour earlier they had been bought by an heiress, for whom they were too small. The shopkeeper had pointed this out to her courteously, but she, too, had fallen in love with the pretty shoes, and her only answer to him was, "I buy them; I undertake to get into them." Now we must leave the sail little drossmaker, we must leave the sail little dressmaker, and follow the fortunes of the shoes.

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## III.

I interrupted my friend at this point, saying, "It is the little dressmaker I am this shoe. interested in; not the shoes. Tell me more of her."

"She vanished out of my knowledge at that point in her history," he answered,

"I don't know what became of her." "A story-teller," I complained, "has no right to close his tale so abruptly. It is his duty to leave nothing to the public's

imagination." "Mine." he said, "is not a story, it is only something that happened, and I warned you that I did not know the end. In real life you never get the end of a story, but you can guess if you will." "Then," I said, "I guess that the little governess......"

governess teaching your children, and I thought (torgive me) that yow were some-what brusque to her. She was the little dressmaker over again. Ah, sir, that is what I mean when I say that the stories in real life have no ending. The brave little gressmaker is still in London; you brush against her in every street, you meet her in scores of houses. Remember that little bit of her history, and you will help to make her next scene brighter. And now I must tell you of her who bought the shoes and took them to Gretna Green, and of how they entirely altered her future, because they were a size too small. This time the story has an ending, too, whose marriage. Though and be made cleverly, as you will see. For nearly half an hour did the carriage grandfather of mine, too, whose marriage, as you shall hear, was entirely arranged by

IV.

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For nearly half an hour did the carriage For nearly half an hour did the carriage wait at the door before Miss May was ready to step into it. When she at last joined her father, who was fuming, for he detected being late for the play, her face was red. I wish I could say that this was because she was blushing or had been crying over the impropriety of the contemplated runaway marriage. But it was not. Miss May was merely red in the face because her fight with the shoes had been protracted. She had gained a momentary triumph, however, Miss May Gregory, the heiress into whose possession the shoes passed, was a lovely creature on a somewhat large scale, and having only lately left school, she was anxious to be married. So anxious was she with the shoes had been protracted. She had gained a momentary triumph, however, for, in her own words, she had "got into them." True they pinched and made her stumble in her walk, but she had only to that matrimony was the first consideration and the man only the second. She had two lovers, whom she called Jack and Tom, and walk a few yards to the carriage and an-other few yards from the playhouse door to

#### a bor. [To be continued to-morrow.]

#### Danger in Discharges From the Ear.

Danger in Discharges From the Ear. In all inflammations of the ear every effort should be applied early to prevent supura-tion. Should it take place use every en-deavor to cure the discharge as soon as po-sible, for so long as a chronic purulent dis-charge comes from an ear the patient is in unless the discharge is cured the disease will extend to the brain, or the patient will die of blood poisoning or abscesses in other parts. Look at it as you may, chronic dis-charge from the ear demands earnest, skill-ful and prompt treatment. The above posi-itive assertions are made by Burnette, of Philadelphia, the author of a standard work on diseases of the ear. Dr. Sadler, 80 Penn areane, has taught the same through the press for years, and, what is more, can refer affected, heed the warning before it is too late.

man out of so be pattern and b. Financially distinguished, money, but no B. AINER & Co., 100 Firth avenue.

"Mine." he said, "is not a story, it is only something that happened, and it he man only the second. She had two lovers, whom she called Jack and Tom, and the man only the second. She had two lovers, whom she called Jack and Tom, and the war so found of both that she would have married either. Her paps, who knew her pretty well, said ahe was a sentimental governess..."
"Then," I said, "I guess that the little governess..."
"Had more severe disappointments in after lite than the loss of a pair of shos," he said.
"But had a happy future," I broke in almost entreating him to say the words. "When her brother becames aman he gave her a pretty house in the suburbs to be mistress of, and she was as happy as..."
"As Buth Pinch," he suggested, "no, I think Will married, and left the little dressmaker alone in the shabby room."
"Until she married, you mean?"
"Don't say that," I imfored.
"The little dressmaker is dead," he answered, "and the worms have eaten her long ago, so it does not matter much."
Then he looked at me sharply. "If I cannot give the story an end," he said, "I can at least give it a morai. When I was in the reas. Financially later the story an end," he said, "I can at least give it a morai. When I was in the same period.

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San Jacoba