

FIGURING FOR WATER.

How It Is Proposed to Bring a Good Supply From Indian Creek.

DIAGRAM OF THE CONDUIT ROUTE.

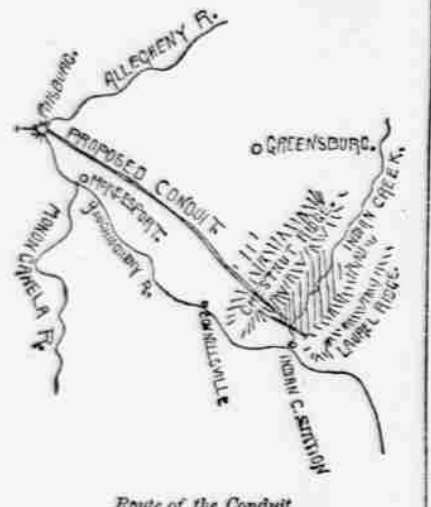
Lucien Scalle Suggests the Need for Careful Consideration.

KEEPING WATER CLEAN AND COLD

Plans for furnishing a plentiful supply of pure water for Pittsburgh, Allegheny and surrounding towns are exciting much discussion. The Western Water Company, which proposed to dam Indian creek, has prepared a plan of the proposed route its mains will take, of which a diagram is given.

The estimated flow of Indian creek during August, 1892, was 20,000,000 gallons in 24 hours, when the creek was said to be at its minimum. The drainage area of the proposed reservoir is 125 square miles. Its annual rainfall is not known, but is estimated at 36 inches, of which 20 per cent would be available for storage purposes. The annual consumption of water in Pittsburgh at present is about 42,000,000 gallons. Allegheny consumes 24,000,000 gallons in the same time.

The proposed reservoir is to cover 837 acres and to contain 100 days' storage for a daily consumption of 75,000,000 gallons. The water is to be brought to Pittsburgh through 12 miles of tunnels, 31 miles of steel pipes,



63 inches in diameter, making the total length of the conduit 43 miles. The tunnels are to be made large enough to supply 150,000,000 gallons daily.

Plenty of Water in Sight. The supply for this demand would be obtained by increasing the number of dams and reservoirs in the watershed of the adjacent waters of Mill run, and if necessary connections could be made with the Youngsiohney river, which, at this distance from the city, would furnish very pure water.

Lucien Scalle, who has made a study of the water works of the large cities both in Europe and America, was seen by a DISPATCH reporter yesterday. He was very enthusiastic on the subject of getting a pure supply of water for Pittsburgh and Allegheny, and said it was a subject which would soon demand the attention of Councils, as the present system neither supplied the quantity nor quality of water demanded by the increasing population. When the Indian creek plan was mentioned, he said: "I have seen the plan, and they seem feasible to me. As there has been a number of different systems proposed, I would not want to say more than another, till all have been thoroughly examined. The supply from Indian creek or Allegheny alone is being so located as to meet a large number of towns. If the uniting of Pittsburgh, Allegheny and McKeesport and other towns should be accomplished, it would be a matter of great importance. The plant would have to be greatly enlarged over its present plan. If this plan were even adopted for Pittsburgh or Allegheny alone it would favor making it larger, because it would be built to last a number of years, and in that time great changes may come to the two cities. There should also be a number of mains so as to provide against accidents. Should be Thoroughly Investigated.

"This is a subject of such vast importance to the city that I do not think it can be too much agitated. THE DISPATCH has shown a considerable interest in the question. I would urge that the Councils of both Pittsburgh and Allegheny take up the matter in time to allow abundant opportunity for discussion. They should appoint committees to take preliminary steps. These committees should consult with the Engineers' Society of Western Pennsylvania and secure the best talent that can be procured. All the possible plans should then be considered before one is adopted. Allegheny made a great mistake, when she adopted her present water system some years ago, by having it done as cheaply as possible. She is now reaping her reward and must soon spend a large amount of money to improve her water works. I do not believe in that sort of thing, but think everything should be made of the best material, so that it will last for years. "As a citizen of Allegheny I would not like to see the two cities united. They might go together for a common supply of water, but I would object to their being united into one city. When that is done I want to see Pittsburgh have a more economical form of government than at present. As to the uniting of Allegheny and Pittsburgh, I think it is not an advisable thing with one head to do not think it advisable. Experience has proven that the larger a city is the more corrupt its government becomes, and I would not favor such a move. To unite might do for water but water only.

Allegheny on the Right Track. "As to the proposed plan of bringing water from Six-Mile Island for Allegheny, and for which Allegheny will soon make an appropriation, I do not think it would interfere with some plan for both cities. If the Six-Mile Island system would be adopted by Allegheny, and another plan for both cities, as the Indian creek plan should afterward come in, little change would be necessary, and it would be right in line with it.

"Massachusetts has adopted a law that Pennsylvania would do well to copy. It requires that no sewerage is to be put in rivers from which water is taken within 20 miles of any city. This would do away with all the complaints heard, as along the river there is an increasing population. The population along our rivers makes some legislation upon this subject imperative and the Legislature should take it up.

"One of the most perfect systems of water works I ever saw was at St. Etienne, in France. This city is a commercial center and is similar to Pittsburgh in the way of her factories. There are dam 150 feet high and 330 feet long, that has supplied the city with an abundance of water and works very satisfactorily. It cost between \$200,000 and \$400,000 and is built on a plan similar to the Indian Creek scheme.

Keeping Water Clean and Cold. "Paris is supplied with water from small springs. This water is stored in covered reservoirs, which keep it cool and fresh. I would like to say that covered reservoirs should be used here, as it keeps out impurities of all kinds. What is the use of getting water that is not kept pure water, if it is not kept pure water after it has been collected for use? There, articles of masonry are built over the water. These are covered with earth and sod, which keep the water as cool as that of the spring. Paris also has a unique way of getting rid of her sewerage. It is not run into the Seine, but pumped to Lake of Geneva, where it is purified by being passed through turves and,

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A FEW FACTS that you are kindly asked to ponder well on. Facts that we have no hesitation in saying that, if given any thought whatever, will save your money for YOU.

IT IS A FACT that we are selling the best All-Wool Carpet ever offered to the buying public, at less money than other houses ask.

IT IS A FACT that for \$15 we have BEDROOM SUITS, not a cheap, clap-trap affair, but something that will give service, and, for a little more money, some very nice goods.

IT IS A FACT that for \$38 we have a very handsome Parlor Suit in Silk Tapestry. This same suit for less money in Plushes.

Our Combination Folding Beds are in great demand, as are all other Folding Beds we handle.

Don't forget that we have in stock all the well-known makes of Stoves and Ranges, which are adapted to either gas or coal. These goods are city make.

IT IS A FACT that we furnish a house complete in all its details, and with any price goods that a customer may desire.

IT IS A FACT that on all bills of one hundred dollars we give one year, and for bills of fifty dollars or under, six months to settle, if paid in weekly, semi-monthly or monthly payments.

Hopper Bros. & Co.

307 WOOD STREET.

HAIR ON THE FACE, NECK, ARMS OR ANY PART OF THE PERSON

QUICKLY DISSOLVED AND REMOVED WITH THE NEW SOLUTION

MODENE

AND THE GROWTH FOREVER DESTROYED WITHOUT THE SLIGHTEST INJURY OR DISCOMFORT TO THE MOST DELICATE SKIN—DISCOVERED BY ACCIDENT. IT IS COMPOUND, an incomplete salt, was accidentally spilled on the back of the hand, and on washing afterward it was discovered that the hair was completely removed. It is perfectly pure, free from all injurious substances, and so simple any one can use it. It acts mildly but surely, and you will be surprised at the results. Apply for a few minutes and the hair disappears as if by magic. It has no resemblance whatever to any other preparation ever used for a like purpose, and no scientific discovery ever attained such wonderful results. IT CANNOT FAIL. If the hair is thick, one application will remove it permanently; if the hair grows such as the beard or hair on moles may require two or more applications before all the roots are destroyed, although all hair will be removed at each application, and without the slightest injury or pain. Gentlemen who do not appreciate nature's gift of a beard, will find a precious boon in Modene, which does away with shaving. It dissolves and destroys the life principle of the hair, thereby rendering its future growth an utter impossibility, and is guaranteed to be as harmless as water to the skin. You are persons who find an embarrassing growth of hair coming, should use Modene to destroy its growth. Modene sent by mail, in safety mailing cases, postage paid, (securely sealed from observation) on receipt of price, \$1.00 per bottle. Send money by letter, with your full address written plainly. Correspondence answered promptly. Postage stamps needed the same as cash. ALWAYS MENTION THIS COUNTY AND THIS PAPER. LOCAL AND MANUFACTURERS OF THE HIGHEST GRADE HATS. (SEE THIS COUNTY GENERAL ADVERTISER.) YOU WANT TO REMOVE YOUR HAIR? MODENE IS THE SAFE SOLUTION. (APPEAR AGAIN IN OUR \$1.000 FOR FAILURE OF THE SLIGHTEST INJURY. EVERY BOTTLE GUARANTEED.

sinking into the sand, it is purified. Along these furrows are the most beautiful plants the city with its vegetables and fruit, which cannot be excelled in the world for their excellence. Thus Paris not only Robinson to look after the health of its citizens, and in no way can it do better than to furnish a supply of good water. My advice would be, first look after the health of the water, and then consider the cost of getting it to the city."

ROBBERS RAID A STATION.

They Beat, Bind and Gag the Operator and Snatch Passengers' Belongings. SPRINGFIELD, ILL., Oct. 1.—Between 2 and 3 o'clock this morning three masked men entered the railroad depot at Nicholas Junction, four miles from here, and with drawn revolvers commanded Night Operator Robinson to look after the safe. He could not do, not knowing the combination. They knocked him down with a coupling pin and bound and gagged him while they ransacked the place. Four passengers sleeping in the depot were robbed of all they had.

Junior Mechanics in Maryland.

National Vice-Councilor, G. E. Kepple, Jr. O. U. A. M., and a party of members from this city will go to Ocean, Md., next Wednesday, and institute Friendship Council, No. 1, for which a warrant has been granted. This is the first Council for the State of Maryland, but as there are several on the way in the vicinity of Cumberland, and the point where Friendship Council is to be located is the desire of Brother Kepple to take a full team and paraphernalia along, so as to show the work in all its completeness. Those who wish to go should send their names to Mr. Kepple, box 1328, Pittsburg, not later than to-morrow.

A Lecture on Cranks.

John H. Young, for several years connected with THE DISPATCH, will lecture in Curry Institute Hall on Tuesday evening, on "Cranks." Mr. Young has had the usual newspaper man's experience of cranks, and will speak by the card. Judge Erwin, who for years has watched the never-ending procession of cranks pass before the judicial bench, will preside.

A Police Inspector Retired.

NEW YORK, Oct. 1.—Chief Inspector Steers has retired to-day on an annual pension of \$2,500.

ROYAL EGG MACARONI

MANUFACTURED IN HIBBON FORM FROM AMERICAN EGGS, AMERICAN WHEAT, BY AMERICAN CAPITAL, AMERICAN MACHINERY, and AMERICAN WORKMEN, AN AMERICAN DELICACY FOR AMERICAN HOMES. Few people who have once seen the uncleanly process by which imported Italian macaroni is manufactured in Italy, have the courage ever to eat it; whereas, in manufacturing the ROYAL EGG MACARONI machinery is used from start to finish, and it is clean and pure, beside being made from superior materials. FOR SALE IN ONE POUND CARTONS BY LEADING GROCERS. CUNNINGHAM EGG MACARONI COMPANY, MANUFACTURERS, MINNEAPOLIS, MINN. 103-148-25



Star Corner. BUY YOUR SPECTACLES AT THE Reliable Optician. J. DIAMOND, Artificial Eyes Inserted. 103-148-25

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IMPORTED AND DOMESTIC.

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Suits to order from \$20.00. Trousers to order from \$5.

Specialty!

Our Fall and Winter Overcoats, To order from \$18.00.

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Nights are so apt to bring, Gives way to

RHEUMACURA

Immediately, as also do all acute attacks of sciatica, inflammatory and all forms of Rheumatism and Gout.

A booklet of testimonials of a high class sent on receipt of your address. For sale by all druggists, or

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WEAR NO OTHER. WEAR NO OTHER.

Special lenses ground on the premises. CHESSMAN OPTICAL COMPANY, 42 Federal street, Allegheny, Pa. ARTIFICIAL EYES INSERTED. See Exhibit in Exposition Building. sell-7885

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A Preventive and Cure for Cholera and La Grippe.

From past history we cannot but expect the Cholera and La Grippe in our midst in the near future and in order that everybody may prepare themselves for the emergency and knowing that I cannot treat you all personally I am having printed a correct and never failing formula for the prevention and cure of Cholera and another for the cure of La Grippe which I warrant to do the work if used in time. In order that everybody may have a chance to get these formulas, I am having them printed in 500,000 lots, and on and after this date I will have one wrapped around every bottle of Burgoon's System Renovator that leaves my office, and have been treated with these prescriptions I know of some that have died.

System Renovator is a compound of 19 different roots and herbs that work in harmony on the human system. I will put up \$1,000 that it has no equal as a family medicine. My capacity to order is 10,000 bottles per month, and you will find it in every wholesale and retail drug store at 40 per bottle, or 4 for \$1.50. Have your druggist get it for you, and take no other. I will refund you the money for every bottle that does not do as I say. It is the world's wonder, and will beat the World's Fair in all its glory. I have cured 267 persons of tape worms in the last 41 months, and can show more cures of cancer, cancer, scrofula and all blood diseases than all others.

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GRAND EXHIBITION

Best and Celebrated Lilliputian Bazaar. Best and Celebrated Lilliputian Bazaar.

CHILDREN'S CLOTHING.

This is a most interesting event, and mothers who have attended our previous exhibitions of Best & Co.'s styles will need no urgent request to be on hand. These are the goods expressly made for "aristocratic" juvenile New York. But the little heirs of Murray Hill millionaires are not a whit better than the young "hopefuls" of our good Pittsburgh and Allegheny residents. We want them to wear the same clothing as their fashionable metropolitan cotemporaries, and they can do it, if their parents will but visit KAUFMANN'S Children's Clothing Department, where Best & Co.'s matchless novelties will be on special exhibition this week, and where (this may seem strange, but it's true) the choicest and "creamiest" little suits can be had for less money than in New York. This latter fact is accounted for by our universal SMALL PROFITS AND LARGE SALES system.



Everybody has heard of the excellent Scotch Cheviot Suits, but has anybody ever heard of their being sold at \$12? Not much! Just think! The materials these suits are made of cost \$3 per yard to import, and since a suit takes 3 1/4 yards, the cloth in each suit alone is worth \$9.75. Add to this the cost of the trimmings, linings, etc., and you will agree with us that these suits cost at least \$12, before the tailor did a stitch. Where does the making come in? If it were counted in the cost of the suits, you would have to pay at least \$22 per suit. But you don't. You only pay \$12. Now, who pays for the cost of the making? You don't. We don't. The manufacturer DID. Yes, once more, the manufacturer's loss is your gain. Overproduction is the cause. Maturing obligations precipitated the climax. But that's nothing to you. Your interest centers in these First-Class Scotch Cheviot Suits at \$12, worth \$22. Any style you fancy—Single or Double-Breasted; Sack or Cutaway; Light or Dark. Only, don't hesitate, as bargains like these wait for no man.

Our Custom Department

Is one of the busiest spots in this very busy house. First-class garments at moderate prices are at the bottom of it. Here are a few examples:

Suits Made to Order

From finest imported cloths, and guaranteed to fit perfectly, at \$30, \$35 AND \$40.

Other first-class tailors charge \$40, \$50 and \$60 respectively for the same suits.

Pants Made to Order

From finest imported Trousers, and guaranteed to hang as gracefully as any tailor can make them, at \$8, \$10 AND \$12.

Other first-class tailors charge \$12, \$15 and \$18 respectively for same qualities.

\$10 THESE TWO FINE JACKETS \$10

The one at the left, the latest Russian Reefer, 32 inches long, made of elegant mixed and plain cloths, and half satin lined; and the Tight-Fighting Invisible Cheviot Coat (at the right), cut 36 inches long, tailor made and having rich satin facings. Either of the two styles is worth \$15; but in order to keep the busy scenes and sights which have been the order of the day since the opening of the season, we will give you choice from both for only \$10.

SPECIAL SALE OF LADIES' WINTER UNDERWEAR

Jersey ribbed, White or Natural..... 25c
Fine Merino Vests or Pants..... 39c
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Your attention, gentlemen, is called to the fact that we have just taken out of the Pittsburgh Custom House a large invoice of the celebrat-

EXTRA QUALITY. REGISTERED TRADE MARK. MANUFACTURED BY

COOKSEY & CO., LONDON HATS, And, then, we are also sole agents for the finest hats made in America, viz:

WASCIMENTO.

Nascimento's Hats.

These are the best hats produced in the world; but the best is not too good for the gentlemen of Pittsburgh.

Cooksey's Stiff Hats, \$5.
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THE MOST COMFORTABLE SHOE IN THE WORLD.

Though by no means the finest, but certainly a very durable and substantial, is Kaufmann's Celebrated WALK-WELL. The above cut illustrates the secret of the comfort giving qualities of the "Walk Well." Look at the practical side of it by trying a pair.

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The Walk Well Shoe for Men is made of A No. 1 American Tannery Calf, and is solid throughout.

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