many years ago men were paid to haul cotton seed off to get it out of the way; now it is sold at \$5 per ton, wholetale. From weeds are now made ropes, swines and strings. No stronger ex ample of the utilization of waste can be given than the process through which old clothes pass. In England men make a husiness of gathering old clothes. After the society man considers them no longer good, they are taken, fixed up and sold to one who is a step lower in the social world. And so the clothes pass through many stages, until they through many stages, until they can no longer be called clother. The cotton and linen in them is then made into paper and the wool used as a fertilizer. And so the coat that did service on a beggar's back may appear with the seal of an emperor or the thoughts of a poet upon it. Here again we see mutual dependence. But these economies of man are as nothing to those of nature, Waste thrown off by animals is utilized by plants, and vice versa; and so one is dependent upon the other. Water is continually circulating; it has a mis-sion given by its Creator to per-form, and not a drop is wasted. form, and not a grop to wash. Man has a mission to perform, and he has been given just enough vital force to accomplish that mission; but if he wastes his energy by smoking, drinking for other deleterious habits, or by shiftlessness, he will go to his Maker without having accomplished bis mission, and with the disfavor of his heavenly Father. In all his doings man will hear the still small voice saying unto him: "Man should no. waste for he cannot create," and sooner or later an account of his stewardship will be demanded of him.

THE GRAVITY SEWER SYSTEM.

"The greatest problem with which Salt Lake City has ever been confronted is immediately before her to-day," said one of the staid members of the City Council this afternoon, "and," he continued, "It is of the utmost importance that steps be at one taken towards itsuccessful solution. Not a day, not an hour, not a moment should be lost in making preparations to do the pre-liminary work, which orn all be done under cover where the inclemency of winter weather will not interfere. Then active outdoor operations can be commenced early in the spring. one I am willing and anxious that all bickerings and unnecessary troubles and technicalities should be dropped in our Council deliberations, and work, good, hard, sensible and effectual work, take their place. I refer to the disposithe gravity system."

The idea seems to conform exactly with City Engineer Doremus' views on the matter, who is more than anxious that the work should be uninterruptedly pushed to a be uninterruptedly pushed to a rapid completion. The preliminary survey of the route for a gravity sewer has already been made. It will intercept the present main sower at the intersection of First West and Fifth South streets. From here it will extend northward and wee ward for a distance of between four and five miler, or as much further as the Council may direct. It will terminate at a point north of the Hot Springs, at which

place the city has an option on a forty acre tract of ground at \$2.50 per acre.
In regard to the cost of construction,

City Engineer Doremus etated NEWS representative today: "From Fourth North street northward the gravity system—calculating upon and building for appopulation of 200,000 peop!e—will cost not to exceed \$325,000.
This talk about it probably running to 0,000, or even moonshine. M \$1,000,000, or \$500,000, all moonshine. My estimates are the result of careful and considerate calculation, and when I say that the work all told—if my present recommendations are carried out—will not exceed \$325,000 I mean it and know that I am correct. piece of work upon which I have ever figured has cost the city more or even as much as my estimate and I know that this will not. Not a thing has escaped my attention. The purchase of land, right of way, extra engineering, incidentals, in fact, everything has been galculated upon and given place in the estimate."

"How long, Mr. Doremne," asked the reporter, "wi plete the system?"

"Well, every detail as to office ork, which means the getting work, which means the getting out of plans and specifications, can be prepared this winter, so that in the spring when manual labor will be nicessary it will only be a matter of men. I shall recommend that enough men be employed to complete the work by next fall. I do not hesitate to say that if this is done that the system can be in use one year from now." in my opinion, the only natural course to huild it. Along the route are the railroads by which transportation of mains is made easy and convenient, while the mountains parallel our line and from which we can easily procure at much less cost than from any other source all the rock, gravel and sand necessary to secure a solid base for the mains."

In answer as to what disposition should be made of the sewage on reaching the terminal or output, Doremus stated that it could be used with great success for irrigating upon a barren plain in that section of country, aggregating 5,000 acres of land. It would, he believed, yet be proven that the city's sewage would he source of revenue instead of a continuous expense.

In case, he explained, that the city should decide to convert the forty acres of ground referred to into four filtering tanks the sediment could be used as a fertilizer and the liquid as an irrigating stream. The water that would flow from these tanks, he said, would be as clear as where it bubbled from the earth in the mountain springs. "And a most thorough springs, "And a most thorough analysis has failed to demonstrate," said Mr. Doremus, "that it would consaid Mr. Doremus, "that it would contain anything that would be detrimental to the health of human beings; cattle, horses and sheep could drink of it with safety. When we once convince the people owning property in that vicinity that the sewage will be a

will be made valuable, our sailing will he clear." "What do you estimate the output of liquid sewage will be, Mr. Doremus?"

bleseing to them, inasmuch as arid land

eay that when the system is complete all of the water of City Creek, Emigration and Parley's canyon will flow into it from the thousands of pipes in the city. Once in the mains there can be ittle or no loss. I fancy that many men would gladly avail themselves of the opportunity to use those streams for reclaiming land for agricultural purposes in this the greatest county in our Territory—and that, too, within a few miles of this city. I am sanguine over the results of the scheme. that it means much to this city both as a financial investment and as a safe. guard for bealth."

"What proportion of the city as to area and population will be below and

west of the gravity mains?"

"As to area about one tenth, and a a to population considerably less than tenth, I should say."

"How do you propose to supply that portion of the city with a sewerage ser.

vice?

"By laying the usual pipes and pumping into the gravity mains at the nearest connecting po nt. This is the only thing that c n be done,"

Mr. Doreinus further expressed him-self that he knew beyond a question of doubt from levels run by himself and assistants that there was sufficient fall to. earry the sewage of the city to the locality chosen, but was very anxious for the satisfaction of the council that an expert engineer with a national reputa. tion be employed to go over the ground and confirm his findings and represen tations. It is very difficult to secure the services of such a man on short notice; but if such a man can be found in any of the large eastern cities who is at liberty to come he will be engaged at once.

NEWS FROM LOGAN.

A brakeman named Dennis Dee has been badly hurt at Smithfield. and others were switching some cars standing on a side track, and Dec was trying to leasen a brake which had been lightened by some mischevious been lightened by some mischevious boys. He was unable to do so with his hands and used a stick for a lever. By this means he succeeded in releasing the brake; but the wheel whirled swiftly round and the stick struck him on the back, knecking him off the car. On the other track some coal cars were stand. ing, and Dee was thrown against the edge of one of them, and landed on the ground. He was brought to Logan and Doctors Parkinson brought and Read were summoned. In addition to other injuries there were many contusions, and a severe concussion of the spine.

The election for school trustees resulted in a victory for the Democrate in the First, Second and Fifth pre-cincte, and for the Republicane in the Third and Fourth. A light vote was

colled.

Five head of horses have been run over and horribly mutilated by the train between Hyde Park and Smithfleld.

Coal has been found in Dry canyon hy William Palmer. There are three small veins, separated by layers of rock. The upper vein is eight inches lavers of thick, the middle one eighteen inches "Well, the most comprehensive way and the lower one two and a half feet. to answer that quest.on would be to