

Annual Departmental Report Filed by Engineer Kelsey

Document Covers 300 Pages, and is Accompanied by
Many Photographs and Maps—Twenty-Two Recommendations Made, Including Erection of New Filtration Plant for Water Supply System

The annual report of the engineering department was filed with the city council last night by Engineer L. C. Kelsey. It covers 300 pages, and is accompanied by many photographs and maps, showing various phases of public works, such as the reservoir in Cottonwood canyon, the White bridge, the band stand at Liberty park, groups of city employees, etc. It will be asked that 1,000 copies of the report be printed for circulation. The statements, figures and recommendations of the engineer are as follows:

	1905.	1906.	1907.
Receipts.....	\$ 4,977.61	\$ 5,200.65	\$ 11,957.83
Total expenditures engineering Dept.....	\$6,943.64	\$6,930.91	\$8,073.47
Less receipts, exclusive of material sold and special work.....	4,146.85	5,170.65	8,846.60
Balance.....	\$ 1,796.79	\$ 5,960.26	\$ 79,226.87
Total expense for special work.....	\$4,117.08	\$1,167.55	\$1,353.88

Total expense for the regular work of the engineering department..... \$ 18,679.71 \$ 18,692.67 \$ 27,872.99

SUMMARY OF PUBLIC IMPROVEMENTS.			
	1905.	1906.	1907.
Watermain extensions.....	\$ 21,162.69	\$ 67,691.52	\$ 72,927.39
Paving extensions.....	165,127.28	106,029.04	135,961.09
Macadam extensions.....	105,935.08	188,105.20	126,415.66
Curb and gutter extensions.....	35,169.03	66,504.18	19,845.14
Sewer extensions.....	24,530.88	21,530.88	76,739.49
New water supply mains.....	22,929.17	31,702.97	32,255.58
Big Cottonwood conduit.....	17,295.83	34,042.29	127,255.50
Main sewers.....	3,337.61		
Highway bridge.....		31,498.32	
Jordan & Salt Lake City canal conduit.....	673.77	26,184.80	67,276.18
Miscellaneous.....			

Total amount expended on above improvements during the year..... \$441,651.46 \$865,477.92 \$1,206,984.08

PRINCIPAL IMPROVEMENTS MADE DURING YEAR 1907.			
	1905.	1906.	1907.
Contract work.....	\$395,221.05	\$812,447.48	\$1,131,626.77
Labor and materials.....	25,011.00	27,998.32	30,678.90
Engineering.....	6,906.15	11,724.18	14,443.60
Inspection.....	4,511.78	4,717.88	4,525.62
Advertising.....		7,831.47	1,507.89
Miscellaneous.....			

Grand totals..... \$441,651.46 \$865,477.92 \$1,206,984.08

STATEMENT OF CONTRACT AND ESTIMATE WORK, 1905, 1906 AND 1907.			
	1905.	1906.	1907.
The total amount of construction work done during the year.....	\$395,221.05	\$812,447.48	\$1,131,626.77
Showing an increase over 1905 of, per cent.....	35,011.89	27,998.32	30,678.90
At a cost for engineering department, per cent.....	8.85	3.45	2.65
The net saving on this work at 1905 rate for engineering.....		43,872.16	71,745.51
The preliminary estimates issued by the engineering department during year showing an increase over 1905 of, per cent.....		472.79	848.49
The cost of the engineering department for the year.....	65,943.64	65,930.91	88,073.47
Showing a decrease from 1905 of, per cent.....		1.38	43.56

POST OF PUBLIC IMPROVEMENTS, 1889 TO 1907 INCLUSIVE.

	1889.	1907.
1889.....	\$ 108,174.03	
1890.....	211,891.28	
1891.....	218,652.76	
1892.....	184,352.00	
1893.....	392,911.22	
1894.....	174,448.88	
1895.....	85,991.19	
1896.....	51,255.38	
1897.....	19,327.81	
1898.....	11,227.76	
1899.....	5,498.30	
1900.....	146,424.22	
1901.....	115,892.01	
1902.....	342,993.99	
1903.....	125,338.38	
1904.....	241,876.99	
1905.....	441,651.46	
1906.....	865,477.92	
1907.....	1,206,984.08	
Total.....	\$4,350,470.74	

CONTEMPLATED PUBLIC IMPROVEMENTS FOR THE YEAR 1908.

	1908.
Asphalt pavement.....	\$ 477,090.60
Macadam pavement.....	148,490.55
Curb and gutter.....	12,573.74
Sidewalk.....	702,757.53
Watermain extension.....	79,537.70
Sewers.....	413,973.97
Miscellaneous.....	177,481.68
Total.....	\$2,011,612.07

TOTAL COST OF SEWER SYSTEM.

	1908.
Gravity outlet sewer.....	\$ 468,574.99
Pumping plant and outlet.....	62,992.84
Interpreting sewer.....	145,165.14
Main.....	83,083.78
Lateral.....	538,573.06
Total.....	\$1,298,369.72

RECOMMENDATIONS.

I desire to make the following recommendations:

1. That the city acquire all water rights in Big Cottonwood, Little Cottonwood and Mill creek, which can be acquired at a reasonable price, and that negotiations to this end be continued without interruption.

2. That the city acquire the right to enlarge and use the East Jordan canal to convey the city's portion of water from the Utah lake.

3. That a filtration plant be constructed in connection with the present water supply system.

4. That a distributing reservoir of a capacity of 10,000,000 gallons be constructed above Mt. Olivet cemetery to be used in connection with the Big Cottonwood water supply.

5. That a reservoir of at least five million gallons capacity be constructed near the high line intake in City Creek canyon. By constructing it at this point and connecting the high line with the twentieth ward brick tanks, it would afford protection for the entire city in case of fire.

6. That the proposed storage reservoir be constructed near the forks in Parley's canyon.

7. That a system of storm sewers be constructed for the purpose of relieving the city of flood waters.

8. That an automatic registering weir be placed in the Parley's creek immediately below the reservoir that the amount of water delivered to the water users on that stream may be accurately determined.

9. That an automatic registering weir be placed in City creek below the brick tank so that the amount of overflow may be accurately determined.

10. That provision be made at once for the repair and maintenance of the macadam pavements which are being constructed. If they are not continuously kept in repair it will be more costly to the city in the end and unsatisfactory to the people who were assessed for the improvements.

11. That all stone block pavement on street intersections be replaced with asphalt.

12. That an electric power plant be constructed by the canal companies for the operation of the Utah lake pumping plant.

13. That in the interest of economy, as well as of good service, the city purchase the necessary horses and wagons for this department and provision be made for their care.

14. That the dead ends in the present waterworks system be connected as fast as possible, and that each year a certain amount be appropriated toward this work.

15. That graduated meter rates be adopted, increasing the rates during summer months and decreasing them during the balance of the season.

16. That automatic flush tanks be constructed at all dead ends in the present sewer system.

17. That a bulkhead be constructed across City creek just below the screen at the brick tank, to prevent the water percolating through this point, as it goes to waste.

18. That a conduit be constructed from the screens to the brick tanks in City Creek canyon to take the place of the present wooden flumes.

19. That watermains be extended through the blocks in the business district and hydrants placed for fire protection.

20. That the reinforced concrete culvert and dividing station in the Jordan and Salt Lake City canal on Twelfth South street be constructed before the opening of the irrigation season.

21. That a concrete flood water bypass be constructed in Parley's canyon.

22. That those be established at convenient and suitable points about the city reinforced concrete watering fountains for the use of animals.

In conclusion, I desire to tender to your honor and the city council my thanks for your support in my official capacity and to acknowledge the capable and efficient services of Principal Asst. Engineer George O. Chaney, Asst. Engineer of Water Lights A. F. Doreman, Asst. Engineer of Streets John Duder, Asst. Engineer of Sewers L. H. Krebs, Asst. Engineer of Waterworks L. L. Parke and other employees of this department.

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AMUSEMENTS.

Theater—Mother Nature is sometimes kind, sometimes cruel, but she never makes a mistake. When she turned Creston Clarke out of her workshop, she gave him a certificate of ability as an actor in certain directions, but she ought to have impressed on him, if she did not, that he had his limitations. Roles like Beauchamp, calling for a certain gleam or polish, a touch of eccentricity, under which vocal defects might easily be hidden, he might essay and emerge with credit from the venture, "but" Nature might have added "thus far must thou go but no farther." In the heroic parts, such as Mr. Clarke attempted last night, he awakens no enthusiasm, having neither the physique nor the educational accomplishments necessary. He could not have scored a success if his play had been a "Virginian" or an "Arizona," and "The Power That Governs" is very far from being either. The one person in the cast who acted with fire and real feeling was Mr. Lawrence, the father. The other roles were colorless and colorlessly acted. The audience was of only fair dimensions, and inclined to melancholy.

Tonight at the theater sees the opening of "The Gingerbread Man" season.

Orpheum—The Picchiani troupe of acrobats are the "whole show" at the Orpheum this week and are well worth sitting through some dreary acts to witness. Five women and three men in conventional attire do some really good tumbling; they work fast and furiously with never a slip and, to use a vaudeville expression, pull the audience out of their seats. Honors for second place are divided between Czinka Panna, a pretty little Russian maiden, and Anna Woodward, soprano. Czinka is billed as "cymbal virtuoso," which being interpreted, is that she plays on a freak instrument which appears to be second cousin to a xylophone, and she plays well. She is assisted in her act by three trained dogs. Miss Woodward is given "full stage," a rare compliment on the part of the stage manager to a soprano. Handsomely gowned and in good voice she made a hit. Ferrell brothers, a couple of trick cyclists, open the bill with some old stunts done in new fashion. Of the rest the least said, soonest forgotten. How Jules and Ella Garrison ever secured a booking on the Orpheum circuit is a dark and unfathomable mystery for their offering, "An Ancient Roman," is coarse, vulgar and insane to an extent that no handsome costumes can overcome. Jordan and Harvey, two sons of Israel, bid for laughs in a mediocre burlesque on their own race. Welke's orchestra was up to its usual high standard while the kindred music of the British feet maneuvering off Spithead was timely, and the audience could easily think it was gazing on a counterpart of the movements of our own ships down in Magdalena bay.

Grand—"King of the Opium Ring," the second week's offering of Theodore Lorch and company at the Grand, drew a good house, and all in all the audience was an enthusiastic one. But it must be said that the play is not one to show the popular Mr. Lorch at his best. Where near his best. Though there is something in the character of the cool and calculating Wah Sing, educated Highblinder, it is not such a role as Mr. Lorch's admirers delight to see him essay. The story and the scenery strongly depict life as it once existed in Chinatown, San Francisco, and is interesting but by no means elevating. The parts as a whole were well sustained. Miss Helen Aubrey being especially strong as Georgette, known as "Queen of the Opium Ring." Percy Morris is as good an imitation of a Chinaman as is Salt Lake's well known impersonator of persons known as "Celestials." "King of the Opium Ring" runs the balance of the week, and from indications will be liberally patronized.

Lyric—"A Japanese Courtship" opened the week at the Lyric last evening and bids fair to be a big success as the initial offering of the Zinn Travesty company. Several hundred persons were turned away and the house was sold a half hour before the curtain went up. The packed house must have been an incentive to the 30 people constituting the troupe, for all worked hard to please and all succeeded. Deserving of special mention is the chorus, comprising 16 girls who dance and sing with a vim that is refreshing. The chorus is well drilled besides, and with Tony West, Gus Mortimer and Helen Hartley as the fun-makers, the bill is sure to please. The costumes and scenery show taste and cost. The Lyric is playing to popular prices, but in putting on snappy bills, it is working up a patronage among theater-goers who have been accustomed to paying bigger prices.

SOCIAL AND PERSONAL.

Mrs. E. M. Allison was hostess at an informal luncheon today at the University club, given in honor of Mrs. Ralph Hoag and Mrs. E. W. Watson of Ogden, the decorations being in the St. Patrick greens and covers laid for about a dozen guests.

Mrs. Louis Cates entertained at a pretty luncheon today at her home.

Two tables were played at the informal bridge party given last night by Mr. and Mrs. W. E. Lake, following the dinner at their home, the decorations being in pink and white carnations and the favors of the same flowers.

A large affair of today is the card

APPENDICITIS

Grape-Nuts as a Reconstructing Food.

The number of cases of appendicitis which get well by proper feeding and nursing, is not less remarkable than the number of cases which never were properly operated on only to find that the operation was unnecessary.

While looking for the cause of this disease, it is well to remember that excessive starch fermentation may be considered a frequent cause, and that suggests more care in the use of starchy foods.

Grape-Nuts can be retained on the most sensitive stomach and is extremely nourishing—just the ideal food for appendicitis cases.

"Last Spring I was taken ill with appendicitis," writes an ind. man. "The doctor told me not to be alarmed, for he would do the best he could to save me from the operating table. He advised me to eat nothing for two weeks, during which time I became so weak I could hardly move. The trouble began to leave me and I began to eat fruits and milk, but I did not regain the strength I had before I was sick."

"A friend of mine recommended Grape-Nuts. I tried it and it worked wonders with me. I soon began to gain in strength, and in a month was as strong as ever."

"I don't think I ever used a food that did me so much good as Grape-Nuts. I weigh 150 lbs., as against 130 before I was sick, all due to Grape-Nuts and regular exercise."

"My muscles are like iron and I can do the hardest work. I am employed in a printing office. I have to think a lot, and my mind is clear, thanks to Grape-Nuts." "There's a Reason." Name given by Postum Co., Battle Creek, Mich. Read "The Road to Wellville" in pkgs.

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MAGNIFICENT galaxy of exclusive, up-to-date patterns and colors. This SPRING'S assemblage of CHESTERFIELD CLOTHING embraces a very extensive variety of distinctive, correctly tailored and exclusive patterns and models that are only to be had in CHESTERFIELD CLOTHES. It will be to your interest to be shown, and to try on a CHESTERFIELD Suit, and then you can see how much better they are than others you have had at the same prices—\$20.00 to \$50.00.

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HATS

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154 MAIN STREET.

party given by the Woman's Republican club at the home of Mrs. D. N. Straup.

Mr. and Mrs. A. B. Hirth will give a St. Patrick's party this evening.

Mrs. A. L. Cowan entertains her afternoon card club today.

Miss Charlotte Holmes is in the city for a short time and is stopping at the Knutsford.

At the meeting of the Bridge club yesterday with Mrs. D. Swindler prizes were won by Mrs. Russell Tracy, Mrs. R. Glendinning, Mrs. Paarsall, and Mrs. Cleaveland.

Mayor and Mrs. Bransford have returned from their trip to Los Angeles.

Mr. and Mrs. A. G. Andrews have returned from California.

Mrs. E. D. Hammond entertains at cards this afternoon and again on Tuesday.

Mr. and Mrs. Will J. Gray have returned from a month's trip through the east.

The Daughters of Utah Pioneers held their study session tomorrow in room 21 at the B. Y. Memorial hall, the topic to be the Book of Mormon history. The hour is 3 o'clock.

PILES CURED IN 6 TO 14 DAYS. NO OPIUM. Is guaranteed to cure any case of itching, blind, bleeding or protruding Piles in 6 to 14 days or money refunded 50c.

BIDS TURNED DOWN.

Tenders to Build Wing on Mental Hospital Exceed Appropriation.

All the bids submitted to the state board of insanity for the construction of a wing to the state mental hospital at Provo exceeded in amount the appropriation made for that purpose, which is between \$9,000 and \$10,000. Bids will be reopened Thursday, when it is expected the contract will be let. The board decided to build a brick fence along the entrance to the asylum at Provo, with iron gates at the roadway.

FISH POND BIDS.

The state board of examiners yesterday received bids for the construction of 10 fish ponds to be built at Murray in connection with the state fish hatchery there, but action on same was postponed until the next meeting. The bids received were as follows: Holmes & Walker, \$3,425; J. W. Chamberlain, \$4,700; Campbell Building company, \$5,980; A. O. Mickelson, \$7,430; Uller & Woods, \$4,237; Burt & Shepard, \$4,750; Balderwin-Kirk Brothers, \$7,300.

TO PREVENT THE GRIP.

LAXATIVE BROMO QUININE removes the cause. To get the genuine, call for full name and look for signature of E. W. GROVE.

WOMAN UNDER DELUSION.

Miss Lizzie Welch has been placed in the county jail pending examination as to her sanity. The lady is 40 years old and was formerly a domestic in the home of R. Rev. Bishop Scanlan. She labors under the delusion that enemies are maligning her and her brother, the latter being a soldier in the British army. It is said she has a brother who is afflicted with dementia. Another brother resides here and a third at Goldfield, Nevada.

NOTICE TO OUR CUSTOMERS.

We are pleased to announce that Froy's honey and tar for coughs, colds and lung troubles is not affected by the National Pure Food and Drug law as it contains no opium or other harmful drugs, and we recommend it as a safe remedy for children and adults. F. J. Hill Drug Co., "The Never Substitutes."

APPLY FOR PARDON.

Numerous Petitions for Clemency to Come Before the Board.

The state board of pardons will consider the following applications for official clemency at next Saturday's session: Albert Miller, pardon, statutory offense, sentenced April 26, 1906, to five years in the state prison. Miller has been on parole for some time, and has conducted himself like a good citizen. He desires to join his family in California. Lester Christensen, forgery, sentenced Nov. 19, 1907, from San Juan; Leo L. Larsen, statutory offense, county jail, Brigham City, Dec. 19, 1907; William E. Albrecht, burglary, three years, from Emery county, June 19, 1907; Robert W. Watson, larceny, six months Salt Lake county jail; Frank Mazza, involuntary manslaughter, 10 years, Feb. 5, 1906; Mazza is now in the insane asylum, but as relatives in Massachusetts are ready to care for him, he is expected to be pardoned; Robert Lanier, parole, burglary, seven years, from Ogden, Jan. 5, 1905; Hiram Mosher, Ogden, one year; C. M. Kiser, commutation, seven years, burglary and breaking jail.

BIG MEETING TODAY.

Railroad Officials Discussing Problems of Construction and Maintenance.

(Special to the "News.") Chicago, Ill., March 17.—Prominent railroad officials dealing with the construction and maintenance of track, roadway, bridges and buildings of the leading roads of the United States and Canada assembled in Chicago today for the annual convention of the American Railway Engineering and Maintenance of Way association. While practically all of the members of the association are connected with railroad companies, the membership is an individual one, and not by railroad representation. The actions of the association are in the nature of recommendations only.

HOPSTETTER'S STOMACH BITTERS



For that tired feeling so characteristic of the approach of Spring there is nothing so good as a few doses of the Bitters. It also cures Colds, Grippe, Sickheadache, Indigestion or Dyspepsia.

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Misses' Skirts

About 3 dozen

Panama, Sicilian and Venetian cloth, in navy, royal blue, brown and gray, regular values \$3.00 to \$9.00. Special

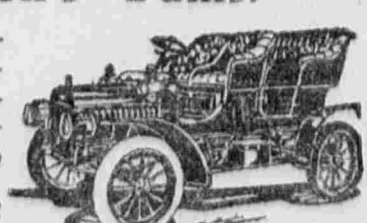
Wednesdays \$1.85 day only

Boys' Suits

Buster Brown and sailor suits, ages 3, 5, 6, 9, 10 years. Desirable weights, in oxford, wine and navy serge, and mixed worsteds. Regular values \$6.50, \$7.50, \$8.50, \$9.50. A limited number to close out Wednesday only \$2.85 for.....

Children's Tams.

White serge, Venetian cloth, tams, champagne color, silk embroidered. Regular \$1.25, \$1.50, \$1.65 values, Wednesday only 85c



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