94

LIGHT AND TRANSIT **IMPROVEMENTS**

What Has Been Done During the Year and What is Mapped Out for Next.

BIG SUMS ARE INVOLVED.

Betterments That Will Make Light and Street Car Service Among the Best In the United States.

HE Utah Light & Railway company and its predecessors have beginning to use this system. heretofore been face to face with the very serious difficulty of operating a great number of power plants and scattered distributing sta-tions, which have come into their pos-generally been re-arranged so as to mession under the different consolidations. These power plants were designed at different times for different greatly improved during the fall, and have been almost entirely reinsulated purposes, and it has been a difficult task, involving a large expenditure of lator ... money, to lay out and re-arrange the whole system so that each unit will do its proper share of the work in conjuncis between First and Second South and Eleventh West streets. The building is of fire-proof brick and steel construction with the whole. A large amount of obsolete equipment has been discarded; for instance, the company is | carded; for instance, the company is replacing and would be glad to get \$5,-600 now for a good steam engine which 600 now for a good steam engine which cost \$45,000, to install hine years ago. ter power supplies and has cost about \$20,000. During this year an equipment old power houses have been shut down, of transformers and switches of a total capacity of 6,000 horsepower has been arrangements of the distributing system have been simplified, and the control of the system has been concentrated in the hands of one operating engineer, much the same way as the rallway is

in the hands of the chief dispatcher. THE POWER PLANTS.

At the beginning of the year the company owned three water power plants, five steam plants and several scattered sub stations and transformer houses, During the year there has been added to the power supply the Bear River power house. In Sait Lake City two of the old steam plants have been entirely dismantled; two more will be dis-mantled before long, and the various transformer and substation equipments have been concentrated into two main stations. The task of carrying out this work without interfering with the operations of the system has been attended with very great difficulty, for it is much easier to build an entirely new plant than it is to make changes on one in operation. The results of the work done, however, are very apparent in the service given, which is 50 per cent better than what the com pany was able to give last winter. In-creased capacity, to meet the rapidly increasing demand, and more improve-ment will come in the course of next year; but the regulation of the lights and the general character of the ser-vice is now equal, at least, to that giv-en to any other city of similar size.

DESERET EVENING NEWS: P. O. Box 778

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City where ho sists: Now therefore and directions o

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notice is hereby of January, 190

special election of submit

tributaries to

quiring water.

The Poulton, Madsen, Owen @ Co. Report Good Business.

A FLOURISHING FIRM.

for operating the street railway have been moved from, the substation on

Second East street, and set up in this building. Two new motor-generators, each having a capacity of 1500 horse-power, have been installed for supplying

power, have been installed for aupplying power to the street cars, together with an entirely modern railway switch-board. This station, which is now practically completed, is in his equip-ment one of the most modern and up-to-date of its kind. In this station

fluctuations caused by the streetears. One of these regulators has also been installed in Ogden.

NEW STREET LIGHT SYSTEM.

A new system of street are lighting is also being installed both in Sait Lake and Ogden, and already 100 of the new

amps are in operation in each city. In this respect also the company has an-ticipated the most modern practice of

other large cities, which are now just

A very large amount of work has

been done on the overhead distributing ines in Salt Lake City and Ogden; ex-

tra copper has been put up, new trans-

A NEW TRANSFORMER.

A new transformer house has been built on the company's Jordan proper-

ceiving the power from the various wa-

purchased for this station at a cost of

BEAR RIVER HELP.

THE STREET RAILROAD.

over \$100,000 has been spent on construction, maintenance and equipment of tracks. All the important curves and

rails have been laid to Ninth South.

All together one and one-fourth miles of track has been constructed and three

of track work as can be found any.

INTERURBAN CARS,

interurban cars for the Bingham

where,

In the street railway department, a very large amount of improve-ment work has been carried out and

sure.

about \$30,000.

A new factor entered into the commercial business of Salt Lake when the firm of Poulton, Madsen, Owen & to-date of its kind. In this station there is also being erected an entirely new switchboard, with a set of regu-lators for controlling the light and pow-er circuits of Salt Lake City. Thes-regulators, which have been in open-tion for six or seven months, are the first of their kind used for this party sa-and they have proved invaluable in maintaining the lights stendy over the whole system, in spite of the enormous Co., was organized in September last. The members of the firm were all clothlers in the employ of Z. C. M. L. who went out to do business on their Office and own hook. Walter J. Poulton, C. E. Madsen, John D. Owen and W. H. Sanders are the active members of the firm(and as the company is a corpor-ation) the president selected from the stockholders, was George D. Pyper. SPEC whole system, in spite of the enormous The first four named have been in the business all their lives, and the friends they made while at the big institution, guarantee for them splendid patronage. Since the opening of their store at 111-113 Main St., in September, business has been beyond their expectations, and they have secured a permanency in trade, which will give them a good standing among the business men of Salt Lake City. Without exception the boys have grown up with the country and are permanent residents of our city. Their business such qualified is a first class haberdashery, and caters to all classes in Salt Lake City. Patrons of such a firm are guaranteed nonest treatment, good clothes and

provide more even distribution of preslong friendship, The boys wish through the Christ-mas "News." to acknowledge the pat-ronage of their numerous friends and to wish them all "A Merry Christmas The transmission lines have been with new and improved tension insuand a Happy New Year."

W. A. NELDEN.

The Father of the Drug Business in Utah.

and the detector property tax in the following q I. The question indebtedness in and fifty thous the purpose of -micreasing the s by laying pipes swatem to condu-"When I came to Utah there were. not more than three drug establishments in the city." This statement was made by Mr. W. A. Nelden when inte, . ed by a "News" man today in system to condu-wood Creek an urlimitaries to S regard to the drug business of the state.

A man who has been engaged in the business as long as Mr. Nelden has and streams and in The Bear River power house, which has seen all but three of the drug firms commence business, has a just claim to the title of the father of the drug business in Utah. Mr. Nelden is more directly interest-ed in the wholesale trade was built by the Utah Sugar company, at a cost of \$500,000, and has an instal-lation of three 1,500 horse power tur-bines, has been connected with this company's system during the present year, by a transmission line 45 miles long.

to the title of the fatner of business in Utah. Mr. Nelden is more directly interest-ed in the wholesale trade. Until quite recently he was at the Until quite recently he was at the is a sewerage system western portions no sewerage system Said Water sy system shall be ed in the wholesate Until quite recently he was at the head of the Nelden Judson Co., but in May of this year, he disposed of his stock in that firm and immediately or-stock in that firm and immediately or-suited the W. A. Nelden Drug com-not to exceed for which interest r This power plant and transmission line are examples of the most up-to-date engineering in this class of work, and the quality of the construction has been proved by the very successful operation.

pany. The home of the new firm is at 48 and 50 Main streat. The building for-merly occupied by the Cunnington Co. has been remodelled and now presents a very attractive appearance. The or-der floor is probably the longest sales-room in the city, it being over-265 feet long and extends from Main street to time to exceed four which interest si nually, and said and payable at years from the di-tion reserved to fund the same a bination of ten (c) the same a stream and the same a the same a stream a stream a stream and the same a the same a stream a st crossings outside of the paved districts have been replaced with heavy 60 and 72 pound rails. Four blocks of 72 pound rails have been laid in the new paved streets. On State street, heavy 60-pound long and extends from Main street to Richards street.

The sundry room which is over 100 system shall be set in length is very convenient as shall be a sinkli cil as neat feet in length is very convenient as well as neat.

The goods are arranged on long tables and in this way the buyer sees a sample of every article handled by the miles of light has been reconstructed with 60-pound rails. All new work has been ballasted and is as good example. firms Owing to the arrangement of the

stock and the automobile delivery department, the firm is noted for its quick service. The company, although young, made The company also expects to put on

VERY LOW EX-

For Christmas Holidays.

to \$1.00, served in Nickle Plate dining-cars; also service a la carte. All trains leave from La Salle St. Station,

Chleago. City ticket office, Chicago, Ill., Adame St. and Auditorium Annex.

cli may her the net reve her of said bonds ar Said election sh ing to the statute shall be held in vided thereby. The report of a tofore appointed examine foto que water supply of proposed increas and establishmen proposed increand establishm

tem, which rep luring 1904 and 1905

SATURDAY, DECE	MBER 17, 1904.	~
Morris,		Sun
merhays Co.		·····
Vool, Deer and standelts, Furs, etc.	M°CORNICK & CO.,	
Warehouse, 61 to 67 d West Street, Salt e City, Utah.	BANKERS.	~~~~
OF A	SALT LAKE CITY, UTAH. INCORPORATED 1873.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
IAL ELECTION	Condition of the Bank at the Close of Business Dec. 1, 1904.	2022
City Council of Salt Lake	RESOURCES.	
on the 21st day of Novem- oproved by the Mayor of e 22nd day of November, special election to be hold the 3rd day of January, arpose of submitting to	Loans	
ectors as shall have paid in said City in the year a of incurring a bonded the sam of eight hundred	Banks,	***
ng (\$800,000,00) dollars for nereasing the water sup- r; and also the question bonded indebtedness in hundred and fifty inou-	\$6,400,043.90	
dollars for the purpose of speakes, of establishing a sewerage system in western portions of said	LIABILITIES.	i
ewerage system now ex-	Capital,	
d Statutes of Utah of 1888. given that on the 3rd day in Sait Lake City, Utan, will he held for the pur- ing to the vote of such	\$6,400.043.90	
s as shall have paid a sold City in the year 1994 nestions, to-wit: n of incurring a bonded he sum of eight hundred	Accounts Solicited. Facilities Unexcelled.	
nd (\$\$60,00.00) dellars for lefraying the expenses of rater supply of said City and establishing a water		***
t water from Big Cotton- d Mill Creek and their it Lake City, and ac- nd water rights in said Utah Lake, and by Im-		
nding the present system		-
ness in the sum of one- tty thousand (\$150,000,00) purpose of defraying the bilsbing sewer mains and erm in the southern and	Gentlemen:-We call to your notice our statement to the Comptroller of the Currency under date	500
try thousand (10.0,00,00) purpose of defraying the bilishing sewer mains and em in the southern and of Sail Lake City where tem now exists, stem and said sewerage owned by Sail Lake City, Il bear interest at a rate r (4) per cent per annum, hall be payable semi-an- bonds shall become due the end of twenty (20) ate of issue, with the op- the City to pay or re- t any time after the date all be of such denomina- nations, as the Coun- atter determine, and	of Nov. 10th, 1904. Our facilities are excellent for giving prompt and careful attention to all business of our customers, including advices and minor details. Our officers give personal attention to the inter- ests of correspondents, and it is our earnest endeavor to meet all the requirements of dealers. We shall be very glad to receive accounts of Banks, Bankers, Corporations, Individuals and Firms, and we will be placed to receive accounts of Banks, Bankers, Corporations, Individuals and Firms, and we will	GR
hall be payable semi-an- bonds shall become due the end of twenty (20)	be pleased to meet or correspond with those who contemplate making changes or opening new accounts. Very respectfully, FRANK KNOX, President,	D
the City to pay or re- the City to pay or re- t any time after the ex- [0] years after the date all be of such denomina-	J. A. MURRAY, Vice-Pres. W. F. ADAMS, Cashier.	
	UNITED STATES DEPOSITORY	Q
ues from said water e set apart for aud ag fund for the payment al he conducted accord- es and laws of Utah, and manner and form pro- to special committee here- by the City Council to estions pertaining to the Balt Lake City and the	The National Bank of the Republic	SECTORES CONTRACTOR
special committee here- by the City Council to estions pertaining to the Balt Lake City and the	and Dank - Republic	38
e of said water supply at of said sewerage sys- rt was adopted by the the fliet day of November	SALT LAKE CITY, UTAH	ESE

The company has spent during this year \$300,000 in carrying out improvethe coming year.

ENTIRELY REMODELED.

To summarize the work done: The old steam plant in the center of the city has been entirely remodeled and re-equipped at a cost of over \$100,000. A basement has been excavated, steel and concrete floors have been put in and a 20-ton traveling crane has been erect ed. The two rotary transformers used



Junction service, and to add several ments; and contemplates the expendi-ture of more than that amount during. One hundred thousand feet of new goa mains have been added to the company's system during the year, as also other improvements in this department, at

a cost of about \$10,000. Much yet remains to be done, but the company has determined to keep on with its reconstruction until the whole system is up to the best standard.

IMPROVEMENT CAMPAIGN. The company hus laid out a large amount of work for the coming year; a steam plant is to be built as quickly

as the machinery can be ordered, which will give a capacity of 2,500 horsepower for next winter, and 2,500 horsepower for the summer of 1906. This plant will be designed in 5,000 horsepower units, to that it can be added to section by section as the demand for power in-creases. Steam turbines will be used generating power and everything will be of the most modern. The rallway track is to be extended from Murray to Bingham Junction and Sandy, the old curves and crossovers

are to be replaced with heavy steel, and considerable of the 25-pound track is to be replaced with 65-pound steel. About \$100,000 is to be expended on the gas works and gas mains, and this

will involve the construction of a new gas holder, additional purifiers and additional gas generators.

promises greater advancement. HEART FLUTTERING. Undigested food and gas in the stomach, ocated just below the heart, presses located just below the heart, presses ngainst it and causes heart palpitation. When your heart troubles you in that way take Herbine for a few days. You will seen be all right. Soc. Sold by Z. C. M. I. Drug Dept. B

1994, and approved by the Mayor of said City on the 22nd day of November, 1994, immediately follows this notice, and said report is hereby referred to for more de-tailed information concerning said water and said sewers, and said proposed improvements.

RICHARD P MORRIS, Mayor of Said City, J. S. CRITCHLOW, Recorder of Said City.

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Salt Lake City, Utah, November 17, 1904 To the Honorable President and Members of the City Council of Salt Lake City: CURSION RATES

To the Honorable President and Members of the City Council of Salt Lake City: Gentiemen-Your special committee, to whom was referred the subject of devis-ing a plan for obtaining an adequate wa-ter supply for Salt Lake City, reports as follows: Immédiately after its appointment the committee commenced its labors, and the same have been prosecuted with diligence until the present time. It has proceeded upon the theory that no temporary expe-dient should be resorted to in this import-ant matter, believing that any plan which might be devised should provide for a constant adequate water which is mo-mentous question. It was found, upon investigation that there was not sufficient data at hand from which the sources of supply, their availability and the manner and cost of bringing the water to the city, could be determined, although it was generally conceded that the sources of supply would be from the streams flowing into Sait Lake county from the Wasatch Moun-tains. In order that the committee might act intelligenty, the City Engineer was reto all points on the Nickel Plate Road between Chicago and Buffalo. Excursion tickets on sale December 24th 25th, 26th and 31st, 1904, and January 1st and 2nd, 1905, good returning Janu-ary 4th, 1905. Three through express trains daily. No excess fare on any train. Also lowest rates and shortest lien to Cleveland, Buffalo, New York, Boston and all eastern points. Modern sleeping and dining cars. Individual Club Meals, ranging in price from 35c.

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For further particulars address Chas. E. Johnson, District Passenger Agent, 205 Century Bildg., Denver, Colo. Lake county from the Wasatch Moun-tains. In order that the committee might act intelligently, the City Engineer was re-quested to make such investigation of the subject as would put the committee in possession of the necessary facts upon which to base its report to your Honor-able Body. In response to this request, the Engineer has prevared and submitted the full and comprehensive statements which accompany this report. It appears from the City Engineer's re-port that Salt Lake City's present supply of water per day of 24 hours, based on September averages for the years 1900 1901, 1902 and 1903, a period of unusual scarcity, is: Gallons.

Gallon

City Creek

Total 10.000.000 This is a daily supply of 150 gallons per capita for the 65,000 water users now in the city. The Engineer gives it as his opinion that 300 gallons daily per capita. as an average supply, would be none too

much. From the report it sppears that the quantities of water that can ultimately be made available from the mountain sources, per day of 24 hours, will be us follows: Gallons,

And that through the expenditure of \$50,000.00, about 30,000,000 gallons of this water can be miade available at once. All of the above water should ultimate-ly be acquired by the City, either through exchange or lease with the present users. To accomplish this it will be necessary to first provide an adequate supply of wa-ter to take the place of that from the above named streams, which is now used for irrigation.

above named streams, which is hill Creek for irrigation. Two-thirds of the waters of Mill Creek and Big Cottonwood Creek are used on lands lying under the present City canal, and the quantity per day of 24 hours that can be procured by immediate exchange from those streams is as follows: Gallons. 100 000

Mill Creek Big Cottonwood Creek18,100.000

At close of Business November 10th, 1904 Capital. \$300.000.00 Surplus and Undivided Profits, 107,319.77 Deposits, \$2,656,874.99 RESOURCES Loans and Discounts\$1,285,701 66 Furniture and Fixtures\$3,364,194 76 LIABILITIES. National Bank Notes Outstanding Deposits 2,656,874.99 Total\$3,364,194 76 DIRECTORS: FRANK KNOX, JOHN PHIPPS, Pittsburg, HON. THOMAS KEARNS W. F. ADAMS, G. S. HOLMES, FRANK KNOX, President. J. C. LYNCH, STEPHEN HAYS, J. A. MURRAY, Vico. Pres. JAMES A. MURRAY, Butte, S. B. MILNER, W. F. ADAMS, Cashier.

SECTORES SE

from about August 1st, till the beginning from about August 1st, till the beginning of the Lext year's irrigation season. Little Cottonwood creek does not ap-pear in either of the last two tables for the reason that the committee is not in possession of the data showing the rela-tive quantities of water from that source which are used above and below the pres-ent canal, but it is assumed that prac-tically all of the Little Cottonwood wa-ter can be acquired either by exchange or lease, whenever the necessities of the City may require. then, if desired, the Spring Creek water | lease for Big Cottonwood and Mill Creek can be made to supply the southern and western portions of the City for domestic may require. make the water of Mill Creek and

then, if desired, the Spring Creek water can be made to supply the southern and western portions of the City for domestic purposes. The estimated cost of establishing the purping plant and bringing the water to 12th South Street is \$50,00,00.
The Engineer's report also shows that, notwithslanding the watisfactory, showing which appears from City Chemiat Harma' analyzes of this water. It is questionable whether the purity can be maintained, and that careful examination may disclose the fact that a satisfactory title to this water cannot be obtained, and that for these reasons, it may not be desirable to exercise the option to purchase Spring Creek.
The Engineer's report also shows that the City now has an ample supply of canal water from Utah Lake, if supplemented by the Spring Creek is not purchased, immediate provision should be made for securing at least an equivalent quantity of exchange water from Utah Lake, and, at the same time for perfecting the City's right in this important source of supply, and that this may be accomplished by the expenditure of the \$12,600.00 named in the estimate for the purchase and purping of Spring Creek and will afford sufficient water to exchange for all the mountain streams, including Little Cottonwood.
The also recommends that, in any event, the item of \$40,000.00 for the proposed Parkey Canyon power station, should be retained, as its value to the city would more than compensate for the cost in handing and disposing of sewage for the payment of bonuses for exchange of water and repairs to the Jordan and Salt Lake City canal, \$60,000, on radditions to the edity mains \$100,000, on radditions to the stower portion of the City, if not needed for payment of bonuses for exchange of water and repairs to the Jordan and Salt Lake City canal, \$60,000, on radditions to the edity mains \$100,000, on radditions to the stower in t City may require.
To make the water of Mill Creek and Big Cottonwood Creek available, it is proposed to construct a conduit from the tail race of the Utah Light and Raliway Company's lowest power station on Big Cottonwood Creek, to the mouth of Parley's Canyon, which will discharge the water approximately 180 feet above the present intake of the Parley's Canyon conduit, through which it will be conveyed to the City. This conduit has a capacity of over 20,000,000 gallons, while there is only about one-fourth that quantity of water available from Parley's Creck during the low water season.
It is proposed to construct the Big Cottonwood creak, including a suitable connection for admitting the water it is alitimately intended to obtain from that stream and from Mill Creek and Little Cottonwood Creek, including a suitable connection for admitting the waters is a supply which can be made available from what is known as Spring Creek, which is a tributary of Big Cottonwood Creek, for and it for the latter near 9th East and 17th South Streets, a point several miles below the proposed place of diversion into the Big Cottonwood Creek, for and it for the supplice, is supply which can be made available from what is known as Spring Creek, which is a tributary of Big Cottonwood Creek, forming a junction with the latter near 9th East and 17th South Streets, a point several miles below the proposed place of diversion into the Big Cottonwood creatily constant flow of about 14,000,000 gallons per day. An option has been secured, subject to your ratification, for the City to purchase this water for the sum of \$125,000.00.

lease for Big Cottonwood and Mill Crek. When the water from the Big Cottany of the present Parley's Canyon coddat suitable means to carry such excession is bigh line to the cast and north before of the city at an elevation of about my feet above the lifth East Street reaction in the transformation of about my feet above the lifth East Street reaction and 120 feet above the Capital Hill reserver.
While investigating the water quasitor, the transformation of this committee has been repeatedly called to the necessity of the attention of this committee has been repeatedly called to the necessity of the attention of this committee has been repeatedly called to the necessity of the attention of this committee has been repeatedly called to the necessity of the attention of this committee has been repeatedly called to the necessity of the attention of this committee the need of a sewer system is most imperative. This cannot be properly accomplished with the present inadequate supply of the construction of a acver system for the lower part of the city, which previous est that the plan for increasing the water supply of the city, as outlined in this report be adopted, and that proper severing be provided for the lower part of the city. The committee al-so recommittee therefore recommends that the plan for increasing the water supply of the city. The committee al-so recommends that a proposition be sup-mitted to the taxpayers of Sait Lake City to autorize a bond issue of \$300,000, for the purposed increase of the water sys-mitted autorizing a bond issue of \$300,000, for the purposed increase of the water sup-mitted autorizing a bond issue of \$300,000, for the purposed increase of the water sup-mitted autorizing a bond issue of \$300,000, for the purpose of voting on the purpose ton to issue such bonds. Respectfully submitted.

submitted,

Having had general supervision of the labors of the special water Committee and participated in all of its delibera-tions, I heartily indorse the foregoing. RICHARD P. MORRIS. Mayor. I certify that the above report was du-ly adopted by the Council November IIst. 1904. and approved by the Mayor Novem-ber 22nd, 1904. and I further certify that the above is a true copy of said report. J. S. CRITCHLOW. (Seal.) City Recorder.

FRANK J. HEWLETT, OEO. D. DEAN, F. S. FERNSTROM, RULON S. WELLS, Committee

Committee



See Window Display for Xmas Slipper Bargains.

