der the supervision of the supervising engineer.

There is also granted to said grantee, his successors and assigns, the right to lay and maintain a discharge pipe or pipes from the building or buildings to be used as said bath house, or sanitarium to the public sewer on Third South street, and to discharge the waters of said bath house or sanitarium in said sewer, under the supervision and direction of the superintendent of sewers.

The franchise shall continue for a period of twenty-five years from the date of the passage of the ordinance.

The city shall in no way be liable or responsible for any accident or damage that may occur by reason of said pipes, or the laying or maintaining of the same, or by leakage therefrom, or from any sediment precipitation, or injury that may be caused by said pipes to the sewer pipes of the city. And said grantee, his successors and assigns agree to save the city from all liability, loss cost, expense or damage arising by reason of said pipes, or the water conveyed thereby, or the maintaining of the same and to indemnity and keep said city for any loss, cost, expense or damage of any kind which may be sustained by reason of such pipes or water, or any judgment for damages or for any loss or injury shall be recovered against the city, by reason of such pipes or water, the recovery thereof and the judgment therefor shall be final as between the city and said grantee, his successors and assigns, and conclusive as to the liability of the latter to the former, provided the then holder of this franchise have timely notice of such suit and opportunity to defend the same.

The measure was discussed pro and con until midnight, when the tobacco wearied from decade adjourned and wended their way homeward.

POWERFUL ENGINES.

Many of Them are Marvels of Strength, Speed and Beauty.

DESCRIPTION OF SOME OF THEM.

An Anxiously Awaited Test of a Late U. P. Production at Omaha.—For the Mountain Division.

Some of the recent creations in the form of steam engines are marvels of strength, speed and beauty. Railroad companies everywhere throughout the United States are endeavoring to outrival each other in the matter of securing these mighty machines for their roads.

The engine attached to the special train which conveyed the Salt Lake City Council to Saltair beach and return the other day would appear to be almost perfect. Its general appearance was such as to call forth numerous expressions of admiration from all who made even a superficial examination of it. On the level tracks of these valleys it can draw an ordinary passenger train at the alarming rate of ninety miles an hour.

The Rio Grande Western has been equipped with the most powerful passenger engines in service in the West, but the Union Pacific is now preparing to test a magnificent engine recently turned out of its Omaha machine shops. It was designed by J. H. McConnell, who was in Salt Lake not long ago. The engine is of the ten-wheel type, has 20x24 inch cylinders, a boiler 64 inches in diameter with 330 flues and weighs 70 tons, 120,000 pounds resting on the driving wheels, the diameter of which is 81 inches. It will be used on the mountain division. It is believed that it will eclipse all its predecessors and the test is awaited with interest by the officers of the Union Pacific system.

The railroad shops at Altoona, Pa., have just completed a big locomotive, which dwarfs the "mogul" engines used on western lines. It is intended for passenger service on the Pennsylvania road. It is anticipated that the new engine will outstrip all competitors in the matter of speed, so that the result of the forthcoming trial in actual service will be looked to with interest by those connected with railroad affairs.

The drive wheels of the new locomotive are seven feet in diameter. They are of the four coupled style, and each pair backs up a weight of twenty tons. The four bogie wheels are each three and one-half feet in diameter and carry twenty-five tons. The total weight of the engine alone is 145,000 pounds, and the tender weighs 69,440 pounds when in ordinary running condition. The total weight of engine and tender is ninety-six tons.

The engine is of the compound pattern. The diameter of the high-pressure cylinder at the left-hand side is 19½ inches. The low-pressure cylinder has a diameter of 31 inches. The stroke is 28 inches. The working pressure of the boiler is 200 pounds to the square inch. The boiler is 6 feet in diameter and 27 feet long. The fire box is 9 feet long and 40 inches wide, inside measurement. The height from the rail to the bottom of the boiler is 8½ feet, so that a tall man could walk under it without stooping.

This locomotive is constructed strictly on the American pattern, the comparative value of which, as opposed to the British pattern, has been warmly argued in the columns of the various technical journals of the two countries. It is admitted that American locomotives burn more coal than the English, but it is argued that the former do more work in proportion to their size and weight than the latter, and are more economical, counting all expenses.

In the United States a record was kept of 14,953 locomotives. Their aggregate mileage last year was 519,190,136 miles, an average of 35,500 miles for each engine. The average consumption of coal per mile was 74.36 pounds. The average cost of repairs per mile was 4.25 cents; miscellaneous supplies, such as waste, oil, etc., 0.89 cent; wages of engineer and fireman, 7.93 cents. The total average cost of running each locomotive was 13.57 cents per mile.

The English statistics give the performances of 11,889 English locomotives, which traveled 144,122,000 miles last year, an average of 12,100 miles for each locomotive. The average amount of coal consumed by each locomotive per mile was 35.8 pounds. The total cost of running the English locomotives, including fuel, wages, repairs, etc., was estimated at 19.56 cents. The average number of freight cars to each American freight train is 24, weighing, exclusive of engine and tender, on an average 555.5 English tons.

With a view to giving a comparative show: g of the work of American and English locomotives observations have been taken of an ordinary freight train on the New York Central railroad and an ordinary British goods train on the North British railway. The result is as follows: The American locomotive was of the ordinary mogul pattern with 64 inch driving wheels and cylinders 19 by 26 inches. The locomotive weighed 120,000 pounds. The British locomotive was of the favorite English pattern—compound, with six wheels, all driving wheels and all coupled. The locomotive weighed 85,400 pounds without the tender. The load pulled by the American locomotive was 1212 tons. The weight of the English train, exclusive of the engine, was 253.5 tons. The weight of the American train was 22.6 times the weight of the locomotive and the weight of the British train was six times the weight of the locomotive. The American engine consumed 127.7 pounds of coal per mile. The English for carrying forward 50.3 pounds per mile. The cost of hauling each ton of the American train was 105 cents per mile; of the English, 254 cents.

Each year witnesses the construction of larger and heavier locomotives to keep pace with the increasing volume of traffic over the trunk lines. A freight locomotive recently built for the Chicago, Burlington & Quincy Railroad has ten driving wheels. The boiler is 66 inches in diameter. It has 228 tubes, each 2¼ inches in diameter. The cylinders are of unusual size, being 22 inches in diameter and 28 inches stroke. The total weight of the engine, exclusive of the tender, is 150,500 lbs. A peculiar feature of the engine is the absence of a truck, which throws the entire weight upon the driving wheels. This locomotive was designed more particularly as a pusher locomotive—that is, one used to help heavy trains over steep grades.

This latest addition to the rolling stock of the Pennsylvania railroad has been made as an experiment, the success of which has been pretty well assured by competent engineers. It will receive a thorough trial during the next few weeks, and careful observation of its speed and relative economy of fuel will be taken. Officers of the railway say that the present condition of the road will require no alteration on account of the weight of the locomotive, but that the steel rails now in use are sufficiently heavy for the traffic, and no increase in weight is required. The results achieved by the large driving wheels for light passenger engines is giving encouragement to the tendency of locomotive designers to increase the weight of the engines, and the number and diameter of the wheels, for passenger service.

Mr. L. B. Hamlen,

Of Augusta, Me., says: "I do not remember when I began to take Hood's Sarsaparilla. It was several years ago, and I have found it to be a great deal of good in my declining years.

I am 91 Years

2 months and 26 days old, and my health is perfectly good. I take no other or years about hot.

Hood's Sarsaparilla

regulates my bowels, stimulates my appetite, and helps me to sleep well. I think it a preparation that was made as well suited to the wants of old people." L. B. HAMLEN, Tax Gatherer, Augusta, Me. Sold by druggists. 25c.

HOOD'S PILLS are a mild, gentle, perfect, safe and efficient cathartic. Always reliable.

NEW EDITION OF THE Latter-day Saints' HYMN BOOK FOR SALE AT Deseret News Office Price: 50c and $1.00

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THE difference in price between the PUTNAM NAIL and other kinds is less than one cent an each horse shoe.

Are you willing to use the cheap adulterated and diluted nails, with all their manifest disadvantages, in order to save that cent?

The opinion of their superiorities is against them. The long account throughout the United States and Canada in favor of the Putnam Nail, and against the other kinds, is against them.

Shall we, then, in the face of all this evidence, be so foolish as to use the cheap adulterated and diluted nails, with all their manifest disadvantages, in order to save that cent?

Use the Putnam Nail,

It is Hot-Forged from the best Swedish iron rods, which are welded together by the action of Hammers alone, and then Hammer-Pointed.

Thus, the old fixed process is followed, which was but forging nails under hammers, and hammering them by the dear, cold, without any welding or welding welded.

AND THE NAIL CANNOT SPLIT.

But it will cost you one cent more for each horse shoe!

The more willing are horses and your reputation will be thereby enhanced.

ASK FOR ONE CENT.

Send for sample.

The Putnam Nail Co.,

NEPONSET, BOSTON, MASS.

Manufacture and Repairs Silk, Stiff and Soft Hats.

UTAH'S ONLY HAT FACTORY. PATRONIZE HOME INDUSTRIES.

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HAY, GRAIN, GARDEN FIELD **SEEDS**

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had life long regrets for his rash engagement at

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But those who have engaged and are still engaging building lots in

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congratulate themselves on being richer in money than they made their purchases.

This Subdivision has FINE DWELLINGS, cement walks, good water, good car service, lovely surroundings. Within THREE YEARS these lots should bring $1,000 each. The shrewdest business men are buying them, and lots of them. Price now

$325 and upwards. Easy Payments

W. E. HUBBARD,

41 WEST SECOND SOUTH STREET.

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"Invincible—That Cannot be Overcome"—Webster.

Apply this to every Item in the House in the light of

QUALITY---STYLE---PRICE.

It stands for our pre-eminence in SALT LAKE MERCHANDISING (there's a lesson on economy in every price we quote.) During the coming week we will display invincible novelties in

Silks and Dress Goods

Wash Dress Fabrics, New Spring Styles in Satines, Zephyr Ginghams, Pougetti Wash . . Silks, Canton Cloths, Etc., Etc. . .

Below are a few Invincible Bargains . . .

47 inc. yard. All Silk Black Sarah, 20 inch wide, worth 75c. 40c. yard. All Silk Black Surah 20 inch wide, worth $1.00. $1.10 yard. All Silk Black Armure, 22 inch, worth $1.50. 90c. yard. All silk true taffeta, 21 inch, worth $1.35. $1.00 yard. All Silk Gros Grain, 22 inch, $1.45.

BLACK CHINAS in all Widths and Qualities at a Reduction of 20 per cent.

$1.00 yard. Silk Wave Lustrine, latest spring shades, worth $1.50. $1.00 yard. Spring Brocade Silks, excellent floss, worth $1.40. 60c. yard. Assorted Checks and Plaids, new colors, worth $1.35. For Early Spring Wear.

Novelty Suits in Plaids, Checks, Stripes, Shaded Effects at Invincible Prices this Week.

For $3.50 Suit, Strictly All Wool Novelty Dress Pattern, worth $5.00. ☞ Look at our North Window.

50 Cents per Yard, 126 Pieces of Novelty Spring Check and Diagonal Goods, Strictly all Wool Examine This Invincible Bargain.

Children's Reefers in beautiful assortment from $1.40 up. Ladies' Suits from $5.00 up. Ladies' Waists from 25c. up. Ladies' Flannelette Wrappers for 75c., this week, worth $1.50.

A Line of Ladies' Brocaded Diagonal Dresses, an Invincible Bargain for $2.25.

$2.00. Boy's Jersey Suits, reduced from $3.00. $2.50. Boy's Jersey Suits, reduced from $3.00. 50c. Grey Mixed Knee Pants reduce, worth $1.25 a suit. $1.35 a Suit. Brown and Blue Plaid Suits, worth $2.25. $2.95 a Suit. Boys' Suits that Sold from $5.50 to $5.00.

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Will Sell You a PIANO, ORGAN, VIOLIN, GUITAR, MANDOLIN, BANJO CLARINOET; in fact anything in the Musical Line at Lower Prices and on Better Terms than any other firm in the Western States.

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Trial. We offer from the bad effects of La Grippe, Lame Back, Kidney and Liver Disease, Rheumatism, Indigestion, Dyspepsia, or any kind of weakness or other disease, when Electricity will cure you and keep you in health. (medicine refused in one month.) To prove this, I will send to any one on trial, free,

DR. JUDD'S ELECTRIC BELT.

Price, $5, $6, $10 and $15, if satisfied. Also Electric Trusses and Ear Batteries. Could anything be more fair. Can be applied in bed for years. A Belt and Battery combined, and promises collateral Electricity to shock. Free Medical advice. Write today. Give waist measure, name and full particulars. Agents Wanted. Address DR. JUDD, Detroit, Mich.

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12 FINE ROSE PLANTS. Your selection from our Standard Varieties, postpaid.

Our Catalogue of Plants and Plant Novelties for '94 is now ready, also Booklet telling how to be successful with Garden and House Plants.

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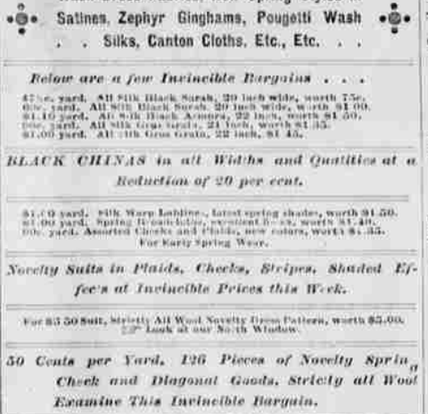

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Revised and Corrected Throughout, and with many New and Excellent Hymns added, just published at the DESERET NEWS OFFICE. For sale, retail, at 35c., 75c., $1.00, $1.25 and $1.50, according to quality of binding. Call upon or address THE DESERET NEWS CO., Salt Lake City.

Cough in the Daily Round Up.

In all our wanderings to gather fresh and newsy items, we cannot help mentioning the following seasonable goods now on sale:

Ten pieces have made white Linsey at 25c per yard, reduced from 30c.

Thirty pieces extra heavy tacred plaids at 10c per yard, reduced from 20c, at PEOPLE'S EQUITABLE CO-OP, 7 and 9, Main street.

Collins Coffee is unequaled for Purity and Flavor.

Removal Sale.

We offer grocery sundries in cut glass, dinner, tea and chamber sets, lamps, decorated and white china, etc. Will remove to 166 Main St.

CALLAWAY, HOOD & Co., 55 W. First South.

Clinton, Missouri.

Mr. A. L. Jones, druggist and druggist, and a prominent citizen of this enterprising town, says: "I and some forty different kinds of cough medicines, but have found nothing in my experience sold as much of any one article as I have of *Boschee's German Syrup*. All who use it say it is the best perfect remedy for Coughs, Colds, Consumption, and all diseases of the Throat and Lungs, they have ever tried." It is a specific for Croup and Whooping Cough. It will relieve a Cough in one minute. Contains no opiates. Sold by Z. C. M. I. Drug Dept. 3

COAL, COKE AND KINDLING. J. S. Minor & Sons, Removed to 159 Main.

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600,000 first-class Brick for sale by Prospect Park Brick Co. Office 461 east, Second South Street.

A Sure Cure for Piles.

Itching Piles are known by positive like perspiration, causing intense itching when warm. Take form as well as filled, Bleeding or Protruding, yield at once to Dr. Bosanko's Pile Remedy, which acts directly on parts affected, absorbs tumors, allays itching and effects a permanent cure. 50cts. Druggists or mail. Circular free. Dr. Bosanko, Philadelphia, Pa. Sold by Z. C. M. I. Drug Dept.

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There is no excuse for supporting eastern manufacturers. We quote home made red and white Flannels at 25c per yard, reduced from 35c. We have only forty pieces. Seize this opportunity. Get the goods at

PEOPLE'S EQUITABLE CO-OP, 7 and 9 Main street.

A Sound Liver Makes a Well Man.

Are you ill? Do you feel Constipated or troubled with Jaundice, Sick Headache, Bad taste in Mouth, Foul Breath, Coated Tongue, Dyspepsia, Indigestion, Hot Dry Skin, Pain in Back and between the shoulders, Chills and Fever, etc? If you have any of these symptoms, your Liver is out of order, and your blood is slowly being poisoned, because your Liver does not act properly. Herbine will cure any disorder of the Liver, Stomach or Bowels. It has no equal as a Liver Medicine. Price 75 cents. Free trial bottles at Z. C. M. I. Drug Dept. 1 y

Ballard's Snow Liniment.

This wonderful Liniment is known from the Atlantic to the Pacific and from the Lakes to the Gulf. It is the most penetrating Liniment in the world. It will cure Rheumatism, Neuralgia, Cuts, Sprains, Bruises, Wounds, Old Sores, Burns, Sciatica, Sore Throat, Sore Chest and all inflammations, after all other remedies have failed. It will cure Barbed Wire Cuts and heal all wounds where proud flesh has set in. It is equally efficient in animals. Try it once you will not be without it. Price 50 cents.

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Notice.

O. L. Ellason has removed to No. 25 Main St., opposite Z. C. M. I.

Rugs and carriage robes at half price or 50 cents on the dollar.

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Specimen Cases.

S. H. Clifford, New Cassell, Wis., was troubled with Neuralgia and Rheumatism, his Stomach was disordered, his Liver was affected to an alarming degree, appetite fell away, and he was terribly reduced in flesh and strength. Three bottles of Electric Bitters cured him.

Edward Shepherd, Harrisburg, Ill., had a running sore on his leg 8 eight years' standing. Used three bottles of Electric Bitters and seven boxes of Bucklen's Arnica Salve, and his leg is sound and well. John Speeker, Catawba, O., had five large Fever sores on his leg; doctors said he was incurable, but five bottles Electric Bitters and one box Bucklen's Arnica Salve cured him entirely. Sold at A. C. Smith & Co's Drug Store.

Now is the Time.

It will cost you nothing and will surely do you good, if you have a Cough, Cold, or any trouble with Throat, Chest or Lungs, Dr. King's New Discovery for Consumption, Coughs and Colds is guaranteed to give relief, or money will be paid back. Sufferers from La Grippe found it just the thing, and in every case the use was followed by a speedy and perfect recovery. Try a sample bottle at our expense and learn for yourself just how good it is. Dying to try. Trial bottles free at A. C. Smith & Co's Drug Store. Large size 50c. and $1.00.

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Many a doctor's bill has been saved by the use of Chamberlain's Cough Remedy. The same is a household word in many parts of the country. Chamberlain's medicines have an extensive sale in the World's Fair City and many people testify to the merits of their different remedies. For sale by Z. C. M. I. Drug Dept. eds

A Word to the Wise.

J. B. Wilson, 321 Cherry street, Philadelphia, says: "It is well not to without Dr. King's New Discovery for Consumption, Coughs and Colds; that I used his wife was cured, was threatened with Pneumonia after an attack of "La Grippe," when various other remedies and several physicians had done her no good. Robert Bethel, of Cockport, Pa., claims Dr. King's New Discovery has done him more good than anything he ever used for Lung Trouble. Nothing like it. Try it. Free Trial Bottles at A. C. Smith & Co's Drug Store. Large bottles, 50c and $1.00.