

NOTABLE PIECE OF DOUBLE TRACK

Denver & Rio Grande's Work
Through Eagle River Can-
yon, Difficult.

NOW FINISHED AND IN USE.

Acquiring Second Right-of-way from
Blossom Owing to Mineral Loca-
tions on Either Side.

The main line of the Denver & Rio Grande R. R. reaches the crest of the continent on the east by closely following the course of the Arkansas river from Pueblo to the head waters of the Tennessee fork. The main range of the Rocky mountains is pierced at Tennessee Pass by a tunnel 2,572 ft. in length—the elevation of the highest point reached by the track being 10,329 ft. above sea level. On the Pacific slope the line follows the course of the Eagle river from its head to a confluence with the Grand river, thence down the canyon of the Grand to the mouth of the Gunnison river at Grand Junction.

TWO TRACKS NEEDED.

Salida is a division terminal where locomotives, engine and train crews in both freight and passenger service, are changed. Minutemen is a terminal for locomotives, engine and train crews in freight service, and for locomotives and engine crews in passenger service. Thus the portion of the main line between Salida and Minutemen is an engine district for both freight and passenger service.

The short stretch of 3 per cent grades between Minutemen and Tennessee Pass necessitates the use of a large number of helper engines. The home of these helpers is at Minutemen, to which point they return light after a trip to Tennessee Pass. This condition tends towards a congestion of traffic on the 21 miles of 3 per cent grades, and on account of the rapid growth of both freight and passenger business, it has been found imperative to construct a second main track over a portion of the distance.

DIFFICULT UNDERTAKING.

To facilitate the rapid detachment of trains entering and leaving freight terminals the policy adopted some years ago was to construct double track for a short distance on either side and through the yards of such terminals. Hence, in considering the matter of double-tracking a portion of the 3 per cent gradient it was deemed expedient to extend the second track eastward from Rex, the easterly end of the existing double track through the Minutemen terminal, to Red Cliff, a distance of 5 miles. Because of the peculiar topography of the country and the unusual physical characteristics of this portion of the line, a more difficult piece of double-tracking could hardly have been undertaken.

ALONG THE EAGLE.

In this portion of its course, Eagle river flows through a very narrow and sinuous canyon, in fact, so narrow that it was found impracticable to parallel the old with the new track. Further complications in the existing congested condition of the canyon are occasioned by numerous patented beds and placer mining claims, a number of which are operated to a considerable extent. Accordingly it was deemed expedient to locate the line, for a greater portion of its length, on the opposite side of the river from the present track. In order not to exceed 20 degrees, as the maximum curvature, five river crossings and three short tunnels were necessary in the five miles of line, but in this distance only three of the maximum curves were used. The tunnels and all of the bridges, except one, are on curves. The maximum gradient on the old track is 3 per cent, but this rate of grade, not being constant over the entire distance, it was possible to use a maximum gradient of 2.30 per cent on the new track. This reduction, though slight, is of especial benefit since the new track is for east-bound or up-hill trains.

BAD COMPLICATION.

As is usual in mining districts the right-of-way matters were somewhat complicated. The timbering on either side with their surface improvements, tunnels and waste dumps necessitated rather tedious and laborious negotiations on the part of the railroad right-of-way agents. In some instances it was found advisable to construct retaining walls on the river side of the roadbed in order to provide ground space for mining operations.

FINISHED OCT. 27.

The grading was performed by local Colorado contractors. An air compressing plant was installed at Belden midway between the extreme ends of the work. From this plant compressed air was piped both ways to furnish power for the operation of air drills, which were used both in the tunnels and in the open cuts.

The tunnels were all driven through solid rock without timbering or other lining, and are notable because of the large section, viz: 13 ft. by 25 ft. This large section was adopted in order to conform closely to the Denver & Rio Grande R. R. standard clearance diagram for steel bridges. As so large a portion of the entire grading quantities consisted of rock excavation, the work was carried on through the winter months without serious inconvenience. Extreme vigilance in putting off blasts was necessary on account of the large number of trains passing in close proximity to the work.

PLANS ARE READY.

A. C. Ridgway, General Manager of The Rio Grande is here.

A. C. Ridgway, general manager of the Rio Grande, is in Salt Lake and while he intends remaining here for several days says there is no special significance attached to his visit. The plans for the new depot are practically ready, he believes, and with the aid of President J. T. Jeffery will have passed final muster. In Mr. Ridgway's opinion the depot and terminals should be ready for use and, in fact, in use by Jan. 1, 1908. He does not wish to be thought as being as a flatterer but regarding present conditions says no effect upon railroad business. "The road line is going ahead with their preparations for increasing traffic," he says, "it is the way we expect it up and

HEAT

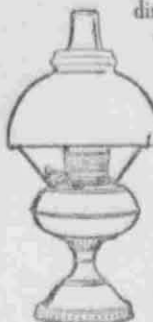
In the Right Place
At the Right Time

That's it—where you want it—when you want it—and if you only knew how easy it is to carry from room to room—and how much cherry comfort you can have with a

PERFECTION Oil Heater

(Equipped with Smokeless Device)

You would no longer be without one. No smoke—no smell—this is the Perfection maxim. Because the smokeless device it smokeless you can have direct, glowing heat from every ounce of oil. Brass font holds 4 quarts—burns 9 hours. An ornament any where—finished in Japan and nickel. Every heater warranted.



The Rayo Lamp

will give added pleasure to your magazine or paper—it gives a brilliant, steady light. Equipped with the latest improved central draft burner. Made of brass, nickel plated. Every lamp warranted. Write our nearest agent for descriptive circular if you don't find the Perfection Oil Heater or Rayo Lamp at your dealer's.

CONTINENTAL OIL CO.
(Incorporated)

In so doing says a whole lot in a few words.

ENTERTAINS ADMIRAL'S WIFE

Mrs. Sebrer is Guest of Mr. and Mrs. S. V. Derrah For One Day.

Mr. and Mrs. S. V. Derrah entertained Mrs. Sebrer, wife of Admiral Sebrer, U. S. N., yesterday. Mrs. Sebrer is on her way to St. George where she will meet her husband in February. The admiral is now in command of the Washington and Tennessee, constituting the advance squadron of a fleet of battleships in making a cruise to the coast from Hampton Roads, Virginia. Mrs. Sebrer met Dr. D. Moore Lindsay of this city while here. Her husband and the doctor met in the Arctic regions during a relief expedition sent out after Greely in 1881 and they have been close friends ever since.

DEVILIN'S HORRIBLE DEATH.

Caught in Track Frog He Heard Engine Coming Towards Him

Thomas Develin, formerly employed as a switchman in Salt Lake, was killed at Denver yesterday. His foot became caught in a track frog and before he could get it loosened a switch-engine ran him down. The poor fellow tried to throw himself from the track so on by his foot would be cut off at the ankle when he saw he could not do anything to get free; his foot was caught in such a peculiar manner, taking his shoe off and mangled it, he evidently had no escape from death. He heard the engine coming around the curve and must have suffered terrible mental agony before it passed over him. A pathetic feature of the affair was that Develin's mother wrote to him a short time ago, asking him to quit switching before he got hurt or killed.

NEW RAILROAD POSITION.

Instead of T. P. A. or T. F. A. it is Now Traveling Proxy Getter.

New York, Nov. 21.—The Harriman interests in their fight to retain control of the Illinois Central, the Times says today, have sent a representative abroad to obtain Illinois Central proxies now pledged to Stuyvesant Plan for use at the adjourned annual meeting in Chicago on Dec. 18.

A. G. Hackstaff, vice president of the Illinois Central, who with President J. T. Harahan is the proxy committee named by the road's management, called for Europe last week. While he is nominally gone only for a vacation it is stated that while abroad Mr. Hackstaff will interview the large foreign holders of Illinois Central stock. These holders in most cases gave their proxies to Mr. Fish and they contributed a large part of the strength which he showed at the annual meeting in October.

TRUTH TRIP FOR 66 CENTS

Wichita Falls & Northern Object to 2-Cent Law—Oklahoma's Busy

Guthrie, Okla., Nov. 21.—The first act of the Oklahoma corporation consolidation was to notify the Fort Smith & Western railroad to comply with the 2-cent fare provision of the constitution until otherwise ordered by the commission. The railroad company thus far refused to establish the 2-cent rate. Under the constitution failure to comply with an order of the commission subjects the corporation to a fine of \$500 for each day of violation. The commission also received and filed complaints from the Midland railway and the Wichita Falls & Northern railway, stating that they cannot make a profit on 2-cent fares and asking for the re-establishment of the 3-cent rate. The latter road is only 33 miles long.

SCHOOL CLOSED TODAY.

Case of Diphtheria in Washington Building Leads to Action.

The Washington school is closed today that the building may be thoroughly fumigated, owing to diphtheria in the family of Mrs. Alex. H. Horne, one of the teachers. When it was

"Staying power" is one of the essentials to success. The ability to "hang on" "till the last cat's hung" has won out for many a man, otherwise handicapped.

You can store up energy and "grit" from the right kind of food. Grape-Nuts contains the vital elements, from wheat and barley, that make for endurance and clear-headedness.

It is fully cooked—ready to eat—is quickly absorbed and begins at once to repair waste tissue and store up energy for the "long strong pull" that wins.

"There's a reason." Read "The Road to Wellville." in pkgs.



READY TO RESUME CASH PAYMENTS.

That's what many banks are now doing. The money storm is over and the snow storm is here—Keep busy—the demand for Money-back rubbers has started in. We have every reason for believing that this will be an unusually large season for us.

We made preparations for this long ago and are in readiness to fit your shoes with any style or size—

Money-back rubbers like our leather shoes have our guarantee back of them, in fact all transactions in this Store are sure to result satisfactory.

DAVIS SHOE CO.

Mrs. Stroud, this city. A half brother, Nicholas Tifford Stephens, lives near Murphysboro, Tenn.

The funeral will be held from the residence at noon Thursday. Burial will be in the city cemetery.

DANCING PROVES FATAL.
Many men and women catch colds at dances which terminate in pneumonia and consumption. After the dance of F. J. Hill and his band at the Hill Drug Co. on Tuesday night, a young man, who had been dancing all night, died of pneumonia on Wednesday.

The teachers of the Washington school reported this morning at the office of Supt. D. H. Christensen, in this city, and county building.

Learn to dance, waltz and two-step in two lessons. Prof. Kennedy, 48 Market street.

OF REINFORCED CONCRETE.

Plans For Street Lavatories Submitted To Real Estate Association.



CONRAD KLEINMAN

Orson C. Kleinman has returned from St. George, where he went to attend the obsequies of his father, the late Conrad Kleinman, one of the original company of Utah pioneers. The elder Kleinman passed away on Tuesday, Nov. 12, and brief services were held at St. George on Friday, Nov. 15, at which President Snow of St. George spoke. President Cannon of St. George temple, Bishop Isaac C. McFarlane of East ward, Elders Orton and Allen and others eulogized briefly the life of the deceased.

The remains were then taken to Toquerville, Kane county, where, after services, they were interred. At these services Bishop Brinkhurst, Elders Spillbury, Lamb and other old residents spoke, and the body of the old pioneer was laid to rest.

Toquerville was Mr. Kleinman's home 25 years ago. He moved from there to Mesa, Arizona, where he lived for nearly 20 years. From there he went to St. George to engage in temple work, and with the exception of a portion of the time during the past year, worked continuously in the St. George temple up to the time of his death. The services at both cities were well attended, and the life and works of the dead pioneer were held up as exemplary, for he was not only a pioneer of the State of Utah, but of Kane and Washington counties as well.

SENT TO PROVO.

Two Austrians Ordered Committed to State Mental Hospital.

Two Austrians, Charles Rudowich and Joseph Ives, were yesterday afternoon ordered committed to the state mental hospital, after examinations by Drs. Caldwell and Riley, before Judge Ritchie, at the county jail.

For some time Ives had spent most of his time tramping back and forth on the road from Murray to Bingham, No.

Only One "BROMO QUININE," that is
Laxative Bromo Quinine
Cures a Cold in One Day, Grip in 2 Days

on every
box, 25c

wooden was one point reached, then he retraced his steps, and would walk until exhausted. He had troubles fancied or real, that he claimed as being responsible for his strange conduct.

SOCIAL AND PERSONAL.

Tonight the dancing party takes place at the country club, and the affair is expected to be one of the largest of the season.

Mrs. and Mrs. H. T. Cleaver who are to leave shortly, will be the recipients of much social attention while here, a number of functions being planned in their honor. Tonight Mr. and Mrs. Adolph Bauer will entertain at a dinner, tomorrow Mrs. Charles Knight will give a bridge party, and on Saturday Mrs. James Jennings will entertain at a similar affair.

Mrs. A. E. Hutchinson was hostess at a luncheon today in honor of Mrs. L. P. Steele of Portland.

The Pan-Helladic met this afternoon with Mrs. Glen Miller.

Mrs. W. P. Kiser and son have returned from their eastern trip.

Mrs. Leslie Savage will entertain her bridge club on Saturday.

Mrs. J. D. Springer who has been visiting in Oakland with Mrs. Charlotte Newman, will return tomorrow.

A large social was given by the St. Mark's Guild last night in honor of the musical program by local artists being among the features.

Mrs. R. E. Steele entertained delightfully at cards today in honor of her sister, Mrs. Keese and Mrs. De Wolfe.

Invitations have been issued for a Thanksgiving party by Mr. Christensen to take place at his dining room on Nov. 28.

Ally, Edgar Allen Rogers and Miss Lillian James, the charming young daughter of former County Clerk James of Salt Lake City, and two of the most popular young people of this city went to Ogden late yesterday afternoon and were quietly married at the county courthouse, returning to their home on the evening train for their parents' blessings. This announcement will be a surprise to their many friends but all will join in wishing them every possible happiness and prosperity.

THE NEW PURE FOOD AND DRUG LAW.

We are pleased to announce that Hood's Food and Drug Law is not affected by the National Pure Food and Drug law as it contains no opiates or other harmful drugs, and we recommend it as a safe remedy for children and adults. For sale by F. J. Hill Drug Co., "The Never Substitutes."

Don't.

Don't think because you have taken many remedies to vain that your case is incurable.

You have not taken Hood's Sarsaparilla.

It has cured many seemingly hopeless cases of scrofula, catarrh, rheumatism, kidney complaint, dyspepsia and general debility—many cases that may have been worse than yours.

What this great medicine has done for others it can do for you.

ARE YOU

Satisfied with your printing? We'll give you satisfaction if you bring it here.

THE DESERET NEWS.

Who will Get the Money?

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Blacksmiths

and others whose work requires great physical strength and endurance need tissue building foods. Among these there is none so good or so sustaining as

delicious

Ghirardelli's Ground Chocolate

Ghirardelli's Ground Chocolate

Sold Everywhere.

1 lb. Cans 40c. 1-2 lb. Cans 25c.

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"The Beautiful" Has Come

And finds us fully prepared to make your home cozy and snug for the long winter evenings. Is your reading matter in shape? Our book-cases are as pretty as they are durable and convenient. Just call—You'll like our treatment and our goods.

H. Dinwoodey Furniture Co.

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