

UNIQUE UNION PACIFIC EXCURSION.

The Delightful Scenery Afforded by a Trolley Ride Across the Rockies.

A unique excursion was recently arranged by the Union Pacific Railroad company. About sixty newspaper men, representing the leading metropolitan journals of the country, were invited to meet at the Brown Palace hotel, Denver, Colo., for a trip on the Wyoming division, "The Overland Route," for the purpose of viewing the stupendous engineering achievements recently made on that line.

The train was made up of two private cars, three Pullman palace sleepers, a dining car, drawn by one of the new compound engines, with an observation car—constructed on the same plan as a trolley car—ahead of the engine.

No more striking example is afforded of the progress of today than the stupendous undertaking of the Union Pacific.

One hundred and fifty-eight and four-tenths miles of new track laid, reducing the mileage between Omaha and Ogden by 30.47 miles, and reducing gradients which varied from 45.4 to 97.68 feet to the mile to a maximum of 43.3 feet, and curves from 6 to 4 degrees, while a great deal of bad curvature has been eliminated entirely.

A mountain removed and lost into a chasm; huge holes bored hundreds of feet through solid granite; an underground river encountered and overcome; an army of men, with all sorts of mechanical aids, engaged in the work for nearly a year; the great Union Pacific track between Omaha and Ogden made shorter, heavy grades eliminated, old scenery changed for new, and the business of the great Overland route flowing through a new channel, without the slightest interruption.

Millions of money have been spent to reduce the grades and shorten the distance.

This reduction is the result of straightening unnecessary curves, and the construction of several cutoffs between Buford and Bear river, Utah. Buford is on the eastern slope of the Black Hills, 545 miles west of Council Bluffs and twenty-seven miles west of Cheyenne. The cutoffs required the construction of 158 miles, of which 29.63 miles are between Buford and Laramie, 15.34 miles between Howell and Hutton, saving 3.11 miles; 3.9 miles on the Laramie plains between Cooper's Lake and Lookout, saving .35 of a mile; 25.94 miles between Lookout and Medicine Bow, still further west, saving 12.03 miles; 8.15 miles between Allen Junction and Dana, saving 3.87 miles; 42.83 miles between Rawlins and Tipton, saving 1.44 miles; 10.64 miles between Green River and Bryan, saving .45 of a mile, and 21.56 miles between Leroy and Bear River, saving 9.56 miles.

The curvature saved is about one-half, the grading about the same, while the angles are reduced nearly two-thirds.

The superiority of these changes is apparent to the practical railroad engineer. It is also apparent to the operating department in the reduction in operating expenses, and to the traveler in the increased speed the trains can make. The change in alignment of the line is marked. West of Buford the track ran northward to the Ames monument, near Sherman, and then took a sharp turn to the southwest over Dale creek, crossing it by a bridge 135 feet high—an elevation trying to the nerves—and from thence due north to Laramie. The new line runs due west from Buford, avoiding the high hills and eighty-eight-foot grade from Cheyenne, and piercing through cuts and the big tunnel, crosses the Black Hills at a grade of less than one-half (43.3 feet) over mountain altitudes. From Leroy the country is literally a coal bed. Here the new line makes another reduction and enters the Bear river valley on an easy grade.

From a constructive standpoint the line is remarkable for the amount of material required in the construction of immense embankments and the building of large tunnels through solid rock. The construction of the new line between Buford and Laramie alone has involved the excavation of 500,000 cubic yards of material, one-third of which (exclusive of the tunnel excavation) has been solid rock, or something over 160,000 cubic yards per mile.

Some of the embankments of the new roadbed have been remarkable for their height and the large quantities of material to construct the same over seemingly short distances. The two most difficult embankments were at Dale creek, southwest of Sherman, and across the Sherman branch of the Lone Tree creek, southeast of Sherman. The embankment at the crossing of Dale creek is 120 feet high, 900 feet long, and involved the handling of 500,000 cubic yards. At the crossing of the Sherman branch of Lone Tree creek the embankment is 125 feet high at its point of greatest height and involved the handling of over 290,000 cubic yards.

Too much credit for this work cannot be given to Horace G. Burt, president of the Union Pacific railroad, for boldness of conception of these improvements; for ability to convince the company of the wisdom of the outlay, and following the necessary appropriation by the company, for the execution of the work in a phenomenally short time. Deputizing his lieutenants, Mr. E. Dickinson, general manager, and Mr. J. B. Berry, chief engineer, to commence and complete the work, under their direction the contractors assembled a large army of laborers and gathered a vast array of modern machinery, much of which was used for the first time in railroad building. Thus, without stopping for a day the ceaseless flow of an enormous traffic, the Union Pacific officials in less than two years completed a great work which ordinarily would have required five years.

The excursion was replete with many interesting incidents, and the splendid hospitality of the Union Pacific officials was a revelation. The newspaper men evinced their appreciation in many ways, particularly in a resolution of thanks to the Union Pacific officials while the train was stopping near the Devil's Slide in picturesque Weber canyon.

LITTLE, BUT MIGHTY.

Feats of Strength of the Pirate of the Insect World.

The flea possesses all the piratical instincts—thirst for blood, rapacity, cruelty. He is, further, as ingenious in devising tortures as he is untiring in the torment of his victims. The flea is built upon the lines that make him forever hungry. But his continuous performance appetite is far from being the oldest thing about him. Proportionately to size he is the Samson of the universe. If the elephant had the same relative strength he could come near to oversetting a steel-framed skyscraper. A flea, wingless, with a body out of all proportion to his head, and all over less than the sixteenth of an inch in length, will leap upon a plane surface more than a yard. This, too, when he has been hatched in hair, or straw, or sand, and never known what it was to have a full meal. More marvelous still, he will spring perpendicularly upward from one to two feet. Fancy a man or boy standing flatfooted and all of a sudden leaping over a church spire. Wonderful things have been done with fleas. They have been put into gold collars and set to drag about lengths of gold chain at least 10 times their own weight. Further, an ingenious goldsmith back in the leisurely seventeenth century made a coach and four in ivory and gold, with a coachman on the box, postilion and outriders, yet all so tidy it was dragged by a pair of fleas working in gold collars. They worked under a bell glass and were exhibited in London and Paris. To fight like cats and dogs is the synonym of continuing strife, but even cats and dogs do not fight so bitterly as cat fleas and dog fleas. Oddly enough, the cat fleas are bigger than the dog fleas, so should be always victors. But here as elsewhere condition tells. If the cat fleas are lazy and luxurious—fat they can never grow—the small, lean, keen-beaked dog fleas kill them out. A flea's beak is sharp and hard, something like a bird's, only more pointed. A flea bite is not poisonous, save and except in rare cases where a flea has previously been biting infected tissue. Certain French scientists have shown that both fleas and bedbugs could thus carry tubercular infection. Further, rats and rat fleas are greatly dreaded as helping to spread the fearful bubonic plague.—Washington Evening Star.

Loving Cup for Cervera.
Arthur Bird, a wealthy resident of Sidney, N. Y., has inaugurated a movement among school children to present a loving cup to Admiral Cervera, the Spanish naval commander. Mr. Bird is an enthusiastic admirer of Admiral Schley, but thinks the American sailor's counterpart in the Spanish service is the man who steamed out of Santiago knowing he went to destruction.

Little Dunmow's Odd Custom.
At Little Dunmow, in Essex, a flitch of bacon is given yearly to such married couples as can declare upon oath that they have not quarreled and have not wished themselves unmarried for a year and a day. The custom was established in 1444.

Wabasha Hears Good News.
Wabasha, Minn., August 19th:—George Huber of this town suffered from Kidney Trouble and Back-Ache. He was very bad. Dodd's Kidney Pills, a new remedy, has cured him completely. He is now quite well and able to work. He says Dodd's Kidney Pills are worth their weight in gold.

No Good Unless a Cricketer.
An illustration of the growing demand for athletic clergymen was recently given by a country curate, who, says the London Telegraph, received notice to quit because he was not a good cricketer player. Though unexceptionable in other respects, his vicar declared that "what this parish really needs is a good, fast bowler, with a break from the off."

LATEST IN BRIDE'S CAKES.

What Fashion Decries to be Best Up-to-Date Form.

Wedding cake boxes are in any design which the bride is pleased to order, if she gives the instructions long enough in advance. At present, however, there is a tasteful preference for severe shapes, with dependence upon the best materials for distinction. Heavy "white water color" papers are the proper sort for the covering of boxes, on the tops or sides of which the monograms, usually of both bride and bridegroom, are blended in relief, either in white or in gold and silver. Ribbons for tying the boxes are of moire, taffeta or satin. The bride's cake is exclusively the bride's. Whatever the amount of cake previously stored in boxes for the guests to carry away as they pass out, there is always an especially decorated cake among the goodies served to the guests. It is intended frequently that the bride herself shall cut the cake in the presence of the guests, especially her maids, who expect to find in it a gold ring or some other article foretelling the marrying within a year of the funder. A bride lately took high-handed hold of tradition and substituted a heart for the ring of our foremothers' superstition. Some persons account for the bride's cake by saying that it originally was a sample of what she could do in the way of fanciful housekeeping; her wedding cake was her chef d'oeuvre. Whatever it may have been, the confectioner takes the hazard now, and the dear girl is relieved of any possible last-minute dissatisfaction with her accomplishments. Wedding cakes are sent any distance. One New York maker of cakes whose pastry has long been famous, shipped an ornamental bride's cake with distinguished success 6,000 miles to Libreville, Gaboon, West Africa.

Alphabetical Abuse.
The prosecuting attorney in a lawsuit had waxed especially indignant at the defendant, whom he characterized as an "abandoned, baneful, cynical, diabolical, execrable, felonious, greedy, hateful, irresponsible, jaundiced, knavish, lazy, meddlesome, noxious, outrageous and profligate rascally." "The learned counsel on the other side," said the attorney for the defendant, when he rose to reply, "should have put his adjectives in a hat and shaken them up a little before using. You must have noticed, gentlemen of the jury, that they were in regular alphabetical order. This shows that he selected them from a dictionary, beginning with 'a.' He stopped at 'p,' but in his manner of reproducing them he has given us the 'eue' as to how he got them." This turned the laugh against the other lawyer and he lost the case.—London Tit-Bits.

Settling in Northwest Territory.
Canada is now the only country in the world offering free land to home seekers of limited means. Fifty thousand immigrants are each year entering her ports, and 75 per cent of these people go at once to the Northwest territory.

The very latest novelty in corsets for bathing purposes, is made of perforated rubber mysteriously stiffened so that it answers all the requirements of a genuine corset.

To Teach Practical Housekeeping.

Mrs. St. Justin Beale is soon to open a school in New York to teach girls of all nationalities how to cook, wash, sweep, dust and perform all the practical duties of the household. A strong effort will be made to instill in them tact, politeness, patience, tidiness, kindness and silence. Lunches, fashionable dinners and ball suppers will be served on the shortest notice. Dressmaking, millinery, hairdressing and other things in this line are to be put in.

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MADE STRONG AND WELL.

A Prominent Lady Raised From a Sick Bed by Pe-ru-na— Entirely Cured in Two Weeks.



MRS. E. A. CROZIER.

Mrs. E. A. Crozier, Senior Vice President of the James Morgan Post, W. R. C., the largest corps in Minnesota, writes from "The Landour," 9th and Nicollet, Minneapolis, Minn., as follows: "Please accept hearty thanks on behalf of Peruna, that wonderful medicine which raised me from a sick bed and made a strong and well woman of me in two weeks. I suffered with bearing-down pains, backache and continual headache, and found no relief until I tried Peruna. It cured me completely, and I feel as young and well as when 18. I wish every woman knew the merits of the medicine, and no home would be without it."—Mrs. E. A. Crozier.

Mrs. Wm. Henderson, Bordulac, N. C., writes: "I was troubled with very serious

female weakness; had spells of flowing that exhausted me so that I feared I would lose my mind. I suffered untold agony with my back, the pain extending down my left leg. My pain was so severe that I would have welcomed death at any moment—so no one need wonder that I recommend Peruna so highly, for it cured me entirely of that. Not a sign of pain has returned, and that will soon be two years now. "I am glad that there is a way I can speak, trusting that many a sufferer will read my testimonial, and not only read but believe."—Mrs. Wm. Henderson.

FOR WOMEN ONLY.

Free Treatment During Hot Weather by Dr. Hartman.

By the assistance of an experienced staff of physicians, Dr. Hartman proposes to direct the treatment of several thousand women, who, for one reason or another are ailing.

Each patient sends name, symptoms, and a short description of previous treatment, and are entered in the doctor's books as regular patients. The treatment is directed from time to time as may be found necessary by the doctor, without charge. Every letter and name is held strictly confidential, and in no case will any one be published except by the express wish of the patient herself.

These cases are treated with the same care and fidelity as the private patients of a regular family physician. During the past year a large number of cases have been cured. Every item of the treatment is directed for which no charge whatever is made.

Address Dr. Hartman, President of The Hartman Sanitarium Columbus, Ohio, for free treatment.

Love is the only lever long enough to reach the heart.

DO YOUR CLOTHES LOOK YELLOW?
If so, use Red Cross Ball Blue. It will make them white as snow. 2 oz. package 5 cents.

Belgium, according to the census just taken, has 6,800,000 inhabitants.

Montreal has over a hundred miles of electric road.

First-born children excel later born in stature and weight.

Mrs. Winslow's Soothing Syrup.
For children teething, softens the gums, reduces inflammation, allays pain, cures wind colic. 25c a bottle.

"A sense of duty" is sometimes but a mean indulgence of spite.

Love letters may not be legal documents, but they chronicle court proceedings.

FARMERS!

Do You Know? Irrigated lands never fail to produce Sure Crops. Big Crops. Valuable Crops every year. Good home market. We will show you free of charge.

COLORADO COLONY CO.,
1233 Seventeenth Street, Denver, Colorado.

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THE WABASH
IS THE SHORTEST LINE TO BUFFALO FROM KANSAS CITY, ST. LOUIS, CHICAGO AND INTERMEDIATE POINTS.

For Descriptive Circular, Rates, etc., call on nearest Ticket Agent, or address:
C. B. CLARK, Gen'l Pass'g and Ticket Agent, ST. LOUIS.

20,000 HARVEST HANDS

required to harvest the grain crop of Western Canada. The most abundant yield on the Continent. Reports are that the average yield of No. 1 Hard wheat in Western Canada will be over thirty bushels to the acre. Prices for farm help will be excellent. Splendid Ranching Lands adjoining the Wheat Belt.

Excursions will be run from all points in the United States to the Free Grant Lands. Secure a home at once, and if you wish to purchase at prevailing prices, and secure the advantage of the low rates, apply for literature, rates, etc., to F. PENLBY, Superintendent Immigration, Ottawa, Canada, or to W. V. Bennett, Canadian Government Agent, 801 New York Life Bldg., Omaha, Neb.

When visiting Buffalo, do not fail to see the Canadian Exhibit at the Pan-American.

To the Ladies:

Don't let your grocer sell you a 12 oz. package of laundry starch for 10 cents when you can get 16 oz. of the very best starch

made for the same price. One-third more starch for the same money.

DEFIANCE STARCH

Has No Equal.

DEFIANCE

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REQUIRES NO COOKING PREPARED FOR LAUNDRY PURPOSES ONLY

16oz.

MANUFACTURED BY **MAGNETIC STARCH MFG. CO.** OMAHA, NEB.

GUARANTEED SUPERIOR TO ANY OTHER BRAND OF STARCH MADE. MONEY REFUNDED IF NOT SATISFACTORY.

How to Defiance
Washing Tubs
Folding Clothes
Shirring Blouses

To the Dealers:

GO SLOW—In placing orders for 12-oz. Laundry Starch. You won't be able to sell 12 ounces for 10 cents while your competitor offers 16 ounces for the same money.

DEFIANCE STARCH IS THE BIGGEST—THE BEST COLD WATER STARCH MADE.

No Chromos, no Premiums, but a better starch, and one-third more of it, than is contained in any other package for the price.

Having adopted every idea in the manufacture of starch which modern invention has made possible, we offer **Defiance Starch**, with every confidence in giving satisfaction. Consumers are becoming more and more dissatisfied with the prevalent custom of getting 5c. worth of starch and 5c. worth of some useless thing, when they want 10c. worth of starch. We give no premiums with **Defiance Starch**, relying on "Quality and Quantity" as the more satisfactory method of getting business. You take no chances in pushing this article, we give an absolute guarantee with every package sold, and authorize dealers to take back any starch that a customer claims to be unsatisfactory in any way. We have made arrangements to advertise it thoroughly, and you must have it. **ORDER FROM YOUR JOBBER.** If you cannot get it from him, write us.

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