# ABOUT RAILROAD TRAVEL.

## What It Cost to Carry Pass Western Rende

There is a surprising amount of misinformation among the people regard-ing the cost of carrying passengers on lroad trains and to this condition as a public mind is doubtless due much of the sentiment in favor of lower rates, which is finding ex-pression through bills for sweeping retions in the legislature of many of

the Western states this winter. Mr. P. S. Eustis, General Passenger Agent of the C., B. & Q. R. R., in arguthe Missouri legislature last week on the two cent bill gave some valuable and surprising information about the passenger business in the west. His statements were based upon the re-ports of the Inter-state Commerce Commission and the Railroad and Warehouse Commission of Missouri and are therefore beyond question. Mr. Eustis showed in the first place

that the volume of passenger traffic on railroads is dependent upon the density and wealth of population in the terri-tory through which it runs, and then compared the population of Missouri and the traffic resulting from it with the same figures in other states, thus clearly illustrating the theory of his

The following table showing the rel ative population and rates is interesting in this connection:

\$ 977.00

2075.00

1951.00

4513.00

Pop M'asouri ..... Illinoi ..... 68 New York ......122 New England ..... 200

Mr. Eustis made the statement that average annual rainfall in New York fixed by a road having a shorter line, and to excursion rates demanded by is well distributed, is reasonably sure the people, all of which reduce the of making a good crop. The loss there average rate materially.

But the most surprising assertion slight, it being estimated at not more made by Mr. Eustis was that the west- than ten per cent or about two inches, ern roads, with possibly one or two in- leaving 18 inches for crop growth. In dividual exceptions, carry passengers New York, with a rainfall of from 34 at an actual loss. The St. Louis, to 40 inches, nearly one-half passes oft an instance. Mr. Eustis produced a by surface drainage and is lost so far statement of the expense on that road as immediate plant growth is conto show that the cost per passenger cerned. Not only is the water lost to Iowa feed lots. There were about 40.per mile exceeded three cents, the legal the crops, but it carries with it much of the soluble plant food of the surrate.

The report of the Inter-state Com- face soil. This, then, would suggest merce Commission referring to the one important step in the attempt to railroads of Illinois, Iowa, Wisconsin, store up moisture. This surface flow Minnesota and that part of the Da- of water must be prevented and caused kotas and Missouri lying east of the to sink into the soil to supply a reser-Missouri river shows that it cost the voir from which plants can secure railroads twoand three one-thousandths moisture during the period of growth. cents per mile to carry passengers exclusive of any charge for taxes, rents, interest on mortgages and other items question may be reached, it is necesof the kind. Mr. Eustis declared that sary to have a knowledge of the con-

MATTERS OF INTEREST TO AGRICULTURISTS.

the cotton crop, through unseasonable iome Up-to-date Hints About Cultiv weather, reduced the Texas cattle feedtion of the Soil and Vicids There ing numerically from about 325,000 in -Horticulture, Viticulture and Flor 1895 to about 100,000 or 120,000 in 1896.

> **NEW YORK bulle**tin says: . The conproblems presented gardener. Hardly a season passes in tant crop is not reduced in yield

from 25 to 75 per cent because of lack of sufficient moisture to bring it to maturity. The soil may have been put in proper condition, plant food may have been supplied in the form of fertilizers, and all other conditions may have been favorable for the development of a full crop, yet with the supply

of moisture deficient all this labor and expense count for little of nothing. The questions therefore, arise: "To what Passenge extent can the amount of soil moisture

be controlled?" "Is it possible to do anything to save crops from the oft-recurring droughts?" The insufficient water supply is not due to lack of rain-4422.00 fall, but to its unequal distribution. The

while the named rate in most of the for the last seventeen years is 34.31 western states was three cents per inches. The lowest rainfall ever remile, the actual amount received is corded in the State was in 1879 when considerably less than that sum. This only 19.74 inches fell. In 1895 there being chiefly to the eastern Montana is due to the fact that the railroad hav- was also a deficiency, only 28.66 inches and North Dakota winter ranges, while ing a long line between two points being recorded. In the arid portions a goodly number of them were taken of Kansas, a rainfall of 20 inches which

into the Bear Paw countries in western Montana. This movement will aggregate about 340,000. Of the cattle that were taken into the South Dakoby surface drainage is, however, very ta and northwestern Wyoming country and some parts of Montana in the spring of 1896, on account of the uncertainty of an abundance of winter grass and the cheapness of Nebraska corn, many of the two-year-olds were shipped back into the Nebraska and 000 of this kind, which will lessen the range supply in 1898 from northeastern

Wyoming and South Dakota.

Oyster Shell and San Jose Scale Urbana, Ill.

One of the incidental results of the recent publication of the occurrence of That a proper understanding of the the San Jose scale in Illinois has been a large number of letters to this office from apprehensive fruit growers, aca two cent flat rate in Missouri would ditions under which water exists in the companied by samples of scale insect: fer determination. I do not wish to discourage this correspondence, which has already brought to my knowledge three infested localities in this state additional to those which my inspectspecimens sent me have belonged to one or the other of the two commonest orchard species, it seems worth while to point out a very easy means of distinguishing at this time of the year these common scales from the new pest. The San Jose scale (pronounced San Hozay) never lays eggs, but brings forth its young alive, and it passes the winter as a living insect. The "oystershell" bark louse and the "scurfy scale," on the other hand, lay eggs in the fall and then perisn, their bodies drying away to thin scales, under which the cluster of eggs deposited by each female may now be found. If one lifted from the bark of an infested tree may be readily seen by a good pair of eyes. . In the "ovster-shell" species the eggs are yellow, and in the "scurfy State Agricultural Experiment station here. Sixty-four orchards and nurserside points have thus far been inspected by us, and nine Illinois orchards are now known to contain the San Jose scale. The counties thus infested are Ogle, Adams, Sangamon, Shelby, Clark and Randolph. S: A. Forbes, State Entomologist. Sheep in Illinois

FARM AND GARDEN. acreage of the cotton crop was the DAIRY AND POULTRY. cause of many cattle being moved into FARM. the Panhandle country north of the quarantine line, so that they might find

INTERESTING CHAPTERS FOR feeder markets other than the cotton OUR RURAL READERS. seed mills of Texas afforded. This, and the still further curtailment of

> accessful Farmers Operate This Department of the Farm-A Few and Poultry.

> > rural estate where

fowls are reared:

frequently it also

ches. The poultry

yard is a valuable

resource for a far-

However, this shortage will not be felt fully until next year. The railway reports show an actual increase of the number of cattle shipped from Texas servation of soil for the first eleven months of 1896, moisture is one of and the reports of the Kansas City the most important | stock yards for the first eleven months

show an increase of receipts in the to the larner and Texas and Colorado cattle country, which goes to prove that many more cattle have gone into the feed lots of which some impor- Kansas and Missouri from the sections mentioned than ever before. The railway records show that upwards of mer's family, but to derive all the pro-

500,000 cattle have been put on feed in fit obtainable, a certain number of Missouri, Iowa, Nebraska and Kansas, principles must be followed which may Illinois and Wisconsin. From October be epitomized as followe: The first is to the middle of December is has been to utilize for the fowls the resources almost impossible on large railway of the locality or farm itself without systems to procure cattle cars enough going to any great special expense. to do our local business, compelling Fowls should be fed on the least valmany feeders to hold over till January. uable substances or aliments which who could have shipped a month carcould not be otherwise utilized. Grain, lier could they have procured suitable etc., being of some commercial value, stock cars for their shipment. The should be added in small quantity as a complement, and particularly for movement of Texas, New Mexico, Arizona and Utah cattle for Montana, the

fattening. The poultry yard should be Dakotas and northwestern Wyoming daily opened so that the fowls may the calf. All agree that the calf must ranges was greater than last year, wander about in the vicinity in search have this first milk, but some let him while Nevada, Washington and Ore- of insects and waste seed; these sub- help himself and others do not. Many gon contributed a greater amount for stances, of no value, should play an of the most advanced dairymen strongimportant part in their maintenance. ly advocate never letting the calf suck. stocking the northwestern winter ranges and for the Chicago market This principle, however, should be ap- Others, and the greater number, prefer plied, reckoning the neighborhood of to let it suck until the milk is good and than usual, their contributions especially from Oregon and Washington crops, which fowls might injure. In this is what the writer recommends. such a case the yard must be closed After the milk is good for use the cow

SINGLE COMB WHITE LEGHORNS.

aim to raise every one of them. In Peaceful Slumber Unknown, that case the chicks will pay, because the expense of the eggs will be reduced by reason of the larger number of DREADFUL DREAMS DRIVE chicks marketed.

SLEEP AWAY.

For Eight Years & Lady of Empo Weaning the Dairy Calf. Kansas, Suffers Unspeakable One of the reasons why dairving is Agony-She Relates Her a failure in some localities is that the Experience. calf is desired for beef making, and to

From the Republican, Emporia, Kan. give him a good start it is allowed to Mrs. Jennie Carlow resides at 713 Mer-chant Street, Emporia, Kansas, and is the wife of W. R. Carlow, proprietor of the Car-low Wag on and Blacksmith Works, who is suck for from three weeks to three HE NAME "Poul- months, says Rural Life. This will try Yard" is given spoil a cow for the dairy, as a rule, and to that part of a at any rate it takes the time out of her well known as the "Past Grand" and as rural estate where period of buttermaking, which will reone of the most active members in Lodge 15 L.O. O. F., of Emperia. duce the butter yield for the year be-

The distress of a condition of chronic leeplessness is so terrible. Mrs. Carlow's inferings from it so well known,our readers low profit. If the calf sucks three months and is then weaned the cow contains rabbit hut- may be expected to go dry in a few we feel sure, will welcome the good news that she is now well, and will be glad to weeks, or half dry at least, and she now how the cure was accomplished. Mrs. Carlow's statement is herete append will not pay for the feed and the trouble. To get a paying mess of milk in narcative form:

For many years I was a confirmed invait is absolutely necessary to milk the lid, suffering constant pains through my breast and back, of the most excruciating type, rendering me absolutely helpless. I was unable to rise up or lie down without assistance, and was subject on the least excow from the first. The "first" means to some dairymen when the calf is first seen. It is removed immediately and not allowed to suck even once, but the ou to flutterings of the heart and such milk is drawn and fed to the calf. By ortness of breath, or dyspacea, that I ften thought I was dying. this practice the cow knows no other

"Peaceful slumber was unknown to me. would fall into a doze only to be awakened way to have the milk drawn and does not worry for the calf, so everything the most horrible dreams, of too frightful character to describe, and in the morning goes smoothly. Other dairymen think the first time the cow should be milked tend of being refreshed and rested, ould be atterly exhausted. "I was attended at various times by every is when the milk is first good for use.

The first secretion is not true milk, but bysician in the city, but none of them could o me any good, though I spent hundreds deliars in my quest of health. About aree months ago, Mrs. Elizabeth Drake, colostrum, and is designed to physic whom you perhaps know, spoke to my hus-band advising a trial of Dr. Williams' Pink Pills for Pale People, stating that they had permanently cared her after years of suffering from milk leg, and he at once procured supply for me. "By the time I had taken two boxes ac-

cording to directions, for the first time in two years, I was able to enjoy peaceful and restful sleep, and as I continued to take them my health improved, se that now week milliners, caterers, dressmakers. while using the fifth box, I feel quite recovliverymen and dry goods merchants ered and my health is enturely restored. I made known their desire to supply the still take two pills every night just before future bride and groom with all the retiring, and wake up every morning per-

outfit they might need or imagine they "I advise every one whom I hear comneeded. The young folks are now plaining to try Dr. Williams' Pink Pills, for waiting for bids from ministers who Ithough I recognize the fact that medicine that will cure one, will not another, still as most diseases are due to a bad condition of are willing to tie the knot at bargain prices. the blood, Pink Pillis in such cases will

them. I am only too glad to bear testimony through your paper as to what they have lone for mo.

The above is an exact report of Mrs. Carow's statemen L. CHARLES HARRIS, (Signed) Reporter, Emporia, Kan.

**\$100 Reward, \$100.** The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is Catarrh Eall's Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh heing a constitutional disease, re-quires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucuous sur-faces of the system, thereby destroying the foundation of the disease, and giving the patient, strength by building up the constitution and assisting nature in doing its work. The proprietors have so much Dr. Williams' Fink Pills for Pale People are now given to the public as an unfailing blood builder and nerve restorer, curing all forms of weakness prising from a watery ondition of the blood or shattered nerves. The pills are sold by all dealers, or will be the statistic of the second se sent post paid on receipt of price, 50 cents a box, or six boxes for \$2.50 (they are never so'd in balk or by the 100), by addressing Dr. Williams' Medicine Co., Schnectady, onlais Address, F.J. CHENEY & CO., Toledo, O

old by Druggists, 75 cents Symbols of the Thunderbolt. Hall's Family Pills are the best. The different nations of the world.

A Modern Way to Stop a Cough As Tried by a Prominent Ious Minister.

People Do Read the Papers.

the paper, but early the next morn-

\$100 Reward, \$100.

In a recent letter he says: "Many win-baye I been compelled to rest from my ministerial duties, for a period of several years. When I took cold in winter the coughing would be intense. Last fall I took cold about the 15th of October, and was sick with it for about a week and be-compared was a winter the several with the form and means to ride in on the rising tide. Alive to the signs of better times and to the best interests of the people, they are now circulating among families a valuable publication known as THE CHARLES & VOGELEE COMPANY'S COOKgan what I supposed was a winter of ERY BOOK AND BOOK OF COMFORT AND coughing. My wife called my attention to HEALTH, which contains very choic ERY BOOK AND BOOK OF COMFORT AND Dr. Kay's Lung Balm, and after much pernformation on the subject of co of a not flattering character) about patent medicines, on my part, 1 concluded to try the Lung Balm. I felt at once that it touched Receipts for the preparation of good substantial and dainty dishes, prepared especially for it by a leading authority. will be found in its pages. Much care has been taken in its preparation and distributation, with the hope that it will be just the thing needed for housea place in my malady that nothing else had ever done. I began to improve. I used about 5 boxes and can now preach with out coughing. I keep it by me and if I take cold I use it. If I have a bronchial irritakeepers, and just the thing needed. also cold I use it. If I have a bronchial irrita-tion after preaching I take Dr. Key's Lung Balm Drepared by The Dr. B. J. Kay Med-ical Co. of Omoha, Neb., has been a great help to me. It has no bad effect upon the stomach. Respectfully yours, J. D. DE TAR. Pustor M. E. Church, Spring Hill, Iowa, Des Voluce Conference. valuable to keep on hand for reference. It also contains full information in

house, which provide against bodily Moines Conference.

ailments, especially the Master Cure for Pains and Aches, St. Jacobs Oil. To give some idea of the labor and

Millions of Cook Books Given Ave

There is one large house in this coun

From the Buffalo Courier: Some perexpense of this output, more than 200 sons wonder why engaged people gentons of paper have been used in its erally prefer to keep their engagements publication, and at the rate of 100,000. as quiet as possible until the day of a day, it has taken several months for the wedding. Perhaps the reason lies the iss

in the results of a newspaper announce-The book can be had of druggists everywhere, or by enclosing a 2c. stamp to The Charles A. Vogeler Comment. The other day an engagement was announced in one of the afternoon pany, Baltimore, Md. papers. It was in the last edition of

Couldn't Stand It.

ing several awning makers were at the Tennyson used to tell the story of home of the future bride's parents, sofarmer who, after hearing a red-hot liciting the contract for supplying an sermon of never-ending fire and brimawning when the event came off. On stone, consoled his wife guite sincerely the same morning and in the first mail with the naive remark: "Never mind, no less than half a dozen printers and Sally; that must be wrong! no constiengravers sent samples of their work. tooshun could stand it."-Tit-Bits. and quoted prices for which they would

Hogeman's Campbor Ice with Giycerine. The original and only genuine. Cures Chapped Handr and Face, Cold Sores, &c. C.G.Clark & Co., N.Haven, Ct. be willing to prepare the wedding cards, according to the latest dictates of fashion. During the remainder of the

M st people like to be called had in langing sort of a way.

FITS stopped free and permanently cured. No fit Lestorer. Free \$2 trial bottle and treatise. Send to Dn. Kunn, 251 Arch St., Philadelphia, Pa.

Usually the charity that begins at home

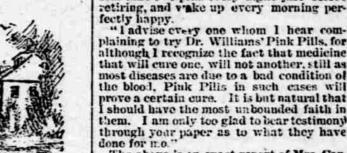
Just try a 10c box of Cascarets, candy cathartic, the finest liver and Lowel regi tor made.

It is false pretense that has received the lessings in disguise.

North Contraction of the Contrac Naked Pills are fit only, for naked savages. Clothes are the marks of civilization-in pills as well as people. A good ceat does not make a good pill, any more than good clothes make a good man. But as sure as you'd look on a clothesless man as a mad one, you may look on a coatless pill as a bad After fifty years of test no

pills stand higher than

AYER'S



oil, and of the part it plays in the reduce the average to one quarters cents if not lower. mysterious operations of plant growth.

It was shown that lower rates do not | Water may be in one of three formslargely increase traffic and instances as free, capillary, or hydroscopic water. were cited where reductions from four The free water of the soil is that which cents and three and one-half cents to flows under the influence of gravity. ors have found; but as nearly all the increased travel.

than American rates. The conveniences of second and third class travel in Europe are not to be compared with those of America in point of comfort and convenience.

## Fossil Coral.

A new building material called .fosthe characteristics of fire brick.

Doubles the pleasure of a Drive.

TO CURE A COLD IN ONE DAY.

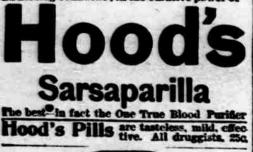


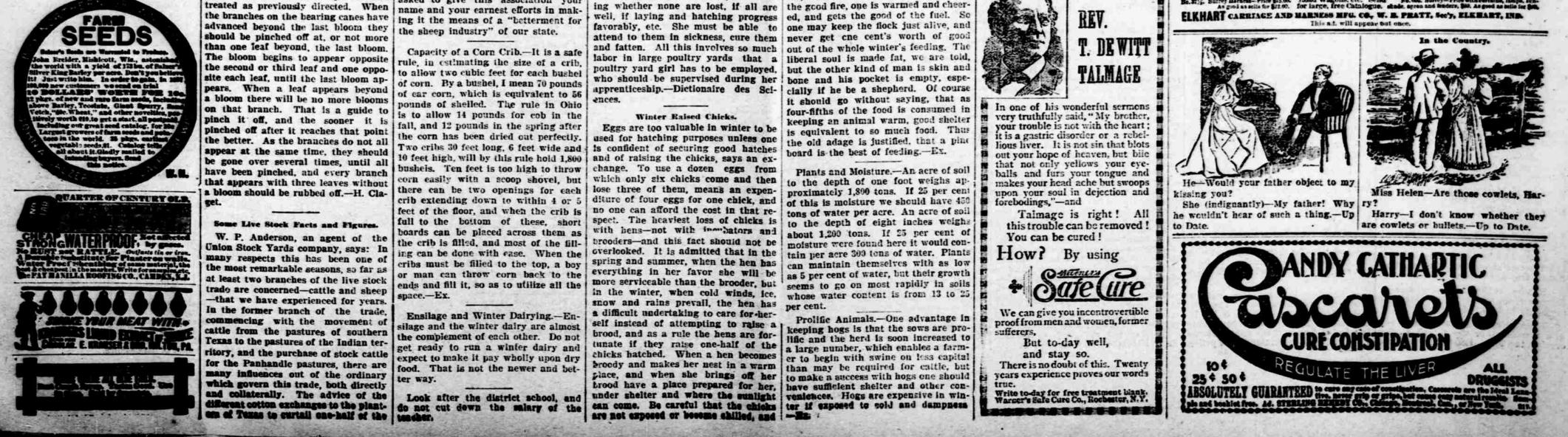
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John G. Springer, secretary of the gaged in sheep breeding and feeding has, in the past few years, been greatly decimated, and the number of sheep in the state has decreased from 919,685, ralued at \$3,816,468, in 1893, to 403,869, valued at \$1,642,124, in 1896, or a loss of over 63 per cent in sheep and in value. Whatever has been the cause must feel themselves somewhat to blame, because they have in a measure better way can the proper attention be which thoughts and systems may be effort be made to restrict causes for loss and improve advantages for gain. By organization only, can these things be accomplished. You are, therefore,



at the present time.

Feed Enough .- Feeding is like keep-

oth ancient and modern, have em Tired Treadwell-No wonder dat ployed various symbols to represent Rome fell. Ole Sox-What makes you the fires that fash from the thundercloud. The Chaldeans symbolized it say dem obserwations? Tired Treadwell-I've jist been readin' about de with a trident; the learned Babylonians used a human arm for the same history ob dem guys. Why, say, all

Zeus. Gaul received the symbol from Italy, but soon altered it to the famil-

Vibrating in Tuneful Accord Like the strings of a musical instrument, the acryous system in health harmonizes pleas-antly with the other parts of the system. But weakened or overwrought, it jangles most in-harmoniously. Quiet and invigorate it with the great tranquilizer and tonic, Hostetter's Stomach Bitters, which promotes digestion, billous secretion and a regular action of the bowels, and prevents malarial, rheumatic and kidney complaints.

samples, worth \$10, to get a start. w.n. George Was Hurried. George Sloneker of Oxford, Ohio, was a such a hurry to pull on his glove he dislocated the index finger of his right hand. CASSARETS stimu'ate liver, kidneys and owels. Never sicken, weaken or gripe, loc.

Storks Travel Very Far. A Belgian nobleman once managed

be increased seven-fold.

turned up can ruin a reception.





