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J. Q. DUCKWORTH. JOHN HAYN. To Country Dealers. DUCKWORTH & HAYN, WHOLESALE DEALERS IN

Groceries, Provisions, Liquors, &c. No. 80 Dey street, New York. June 16, 1859 .- ly.\*

AN OVERLAND JOURNEY. XXVII

Carson Valley --- The Lierra Nevada. Placerville, Cal., Aug. 1, 1859.

Though the Carson sinks in or is absorbed by the same desert with the Humboldt, a glance at its worst estate suffices to con ince the traveler that the former waters by far the more bopeful region .moist, is easily rendered productive .-land where the arm of Industry need not fertilizing.

nia is a dear country, and the transportation of bulky staples over the Sierra a The vegetable food of One Million Peo. hope of resting in it since I left Salt Lake in quest of pleasure, but it is a balm for ding idle solely for want of water. ple can easily be grown here, while their City. We had beds here-actual beds, many bruises to know that I am at last in cattle may be reared and fed in the moun- and good ones-our first since Camp California. tain vales north and south of this valley. Floyd. Though our night was not a And when the best works shall have been long one, for we were to start again by 4 constructed, and all the lights of science a. m., I reckon good use was made of it and experience trought to bear on the by the four through passengers, who had subject, it will be found that nearly eve. not lain down before since they left Shell rything that contributes to human or Creek, five days ago, and nearly 500

Twenty miles or so below Genoa, we the day after. passed "Johntown" a Chinese settlement, whose people find employment in the re- est dawn, for we had still about 75 miles cently discovered Gold Mines. These of rugged mountain road to traverse bemines are some eight miles northward of fore reaching this place. The Carson "Gold Canon," and are reported immense- side of the road is not yet half made, ly rich. Silver and Copper are blended while the half next to this place is in the with Gold in the same vein-stone. A few main good. But in fact, the expense of are making money very fast here, but a good highway up the eastern slope of these few control all the available water, the Sierra must be a heavy one. For and it seems impossible to introduce that slope is composed of granite-simmore. If a supply can be obtained at all, ple, naked rock-with scarcely a fraction near the center of the State, at the base just above the surface of the bed-rock, I think the most popular form of Mi. and no time but to-day. Patriarchal it must be at enormous cost I have of its surface thinly covered by soil. Of of the Sierra Nevada, between those though only in certain localities is it suf- ning at present is that of sinking or draf- Oaks are cut down merely to convert vaguely heard of a patented process or course, no trees but evergreens can live mountains on the east and the valleys of ficiently abundant to justify efforts to ex ting into hills which have a stratum of their limbs into fuel, leaving the trunks processes for separating Gold from other -a very few small Quaking Asps in the the Sacramento on the West. They are tract it. I find no one seeming to chergravel at or near their base, directly o- to rot; noble Pines are pitched this way minerals or earths without the use of bottoms of the ravines scarcely form an rugged in formation, being composed of ish any apprehensions that California will verlying the bed-rock. Many of these and that, merely to take a log or two water; if there be any such process, which exception-while almost every road is innumerable hills (mainly spurs of the cease to produce gold abundantly, at least hills would seem to have been piled, in from the butt for sawing or splitting, leais not a humbug, I urge the owner of the covered by giant, glorious Pines. I saw great chain), separated by narrow val- within the next quarter of a century - some far-off, antediluvian period, upon a ving the residue a cumberer of the ground; patent to baste to Carson Valley and Sugar and Yellow Pines at least eight feet leys, usually descending to the west, and On the contrary, the current belief seems bed or basin of solid granite, which often trees fit for the noblest uses are made to there make his fortune. I assure him of in diameter and tall in proportion; I am gradually opening out into the broad rich to be that the influx of population will in hollows or dips toward its center like a an enthu-iastic welcome.

"Cerson City," just above Johntown, though it has few bouses as yet, aspires to be the emporium of the new Gold Region, and perhaps of the embryo State of Neveda; but Genos, ten or fifteen miles further up, is the present emporium, though a village of but forty or fifty houses. Here a Convention had been in session for a fortnight and bad completed . Constitution for the aforesaid embryo State of Nevada only the night before our arrival. We met some of the delegates bound homeward. Said State is to comprise the western half (very nearly) of Utah, with (I telieve) a small strip of eastern California. California may object ing the Sierra Nevada. How greatly mainly drawn off into canals or "ditches." to this; but I trust progress will organize at least the Territory of Nevada at an early day. It is an established fact that

west, come innumerable rivulets, leaping productive mountain-chain on earth.

brute sustenance can be grown actually miles away. My own slumber was par- mong the mines and miners of Eldorado, through a "rocker," "tom" or "sluice," twenty dollars per tun-barely one cent Worse still is the general devastation cheaper by the sid of irrigation than tial and broken, as it generally is; but Places, and Nevada Counties, in the in the hope of making it yield the shining per pound—and that this yield will not of Timber. The whole Mining region without it. As yet, we know little or the bath which preceded and prepared for heart of the gold producing region. There dust. Many of these water courses have pay the average cost of sinking shafts, appears to have been excellently timbernothing of the application of water to it was a genuine refreshment, and the may be richer "diggings" north or south, been deeply and widely dug up for miles running drifts or adits, pumping out was ed-so much of it as I have traversed was land and crops, and our i, norance causes sleep seemed quite sufficient. In fact, I but I believe no other three counties ly- in extent. If any are left entirely undis- ter, raising ore (and an immense aggre- eminently so. Yellow, Pitch, and Sugar deplorable waste and blundering. Eve- felt that I could have gone without for ing together have yielded in the aggre- turbed, the presumption is strong that the gate of dead rock with it), crushing it, (White) Pine (and what is here called ry year henceforth will make us wiser on another week, and felt less inconvenience gate, or are now producing, so much gold subjacent rock is so near the surface that and extracting the gold, in a country Pitch Pine is a large tall and graceful

> We were in motion again at the earlithis road which measured eight feet across at a height of eighty feet from the ground, and from which two hundred and forty thousand shingles were made. Beside these universal Pines, there are giant Cedars, Balsam Firs, and some Redwood, after we cross the summit, we I think I saw Oaks (the prevalent Califormia species is much like our White I never saw anything like so much nor enty-five miles' travel as I saw in cross. of those of the rivers aforesaid, being their prosecution. blest California is in this abundance, I I need not say.

-- The road over this pass -- by far the a divison of power between Mormons and lowest and most practicable of any over These canals are a striking characterist pan in prospecting. Higher up in the But the newest, most efficient, most u-Valley, and of Western Utah generally, or three miles as abruptly to the valley sign of present husbandry, they intersect in a single instance, engaged in digging large deposits of auriferous earth by wears square miles.

are not Mormons; the Legislation of Utah of a brook which runs north into Lake your dusty, indifferent road, or are car- and washing the gravel or earth in the of a current of water so directed as to

XXVIII. California Mines and Mining. SACRAMENTO, Aug. 7, 1859.

asthey are inaccurately termed, by which the needful fluid is subplied to the miners.

THE CANALS.

valleys, but I place none of these ahead these cattle are driven down to the valley | miles in length, and are filled by dam- did not get the hang of. nearly to this city, descends steadily a flume-is usually allowed. The price are.

I have spent the last week mainly a- and the overlying earth or gravel run of gold by quartz vein-stone is less than renders much of ber beauty also. than I did the first night we rode and as those I have named. Of course, I gold has had no chance to deposit itself where common labor costs \$2½ to \$3 per tree), White, Black, and Live Oak, with bave not even been within sight of more thereon. In some instances, basins or day. At \$40 per tun of vein stone, quartz stately Cedars, once overstread the whole than a fraction of the mines or placers of depressions in the rock bave been gradu- mining might pay; but where one vein country, not densely, as in Eastern forests, these counties, while I have not carefully ally filled up with earth-probably aurif- yields \$40 per ton, there are many which but with reasonable spaces between the studied even one of them; and yet the lit- erous-through thousands of years, and yield less than \$20. There are some in noble trunks-the Oaks often presenting tle information I have been able to glean the gold which might otherwise have been stances of profitable quartz-mining by the general appearance of a thrifty Apin the intervals of traveling, friendly gree- strewn down the valley for miles is here men on the spot who thoroughly under ple Orchard, undergrown with grass and ting, and occa-ional speech-making, may collected, so that it would be sheer waste stand their business; but I have not heard bushes. But timber is wanted for flumes, have some value for those whose igno- to mine throughout these miles. But the of an instance in which money has been for drifts or tunnels, for dwellings, for rance on the subject is even more dense more general opinion seems to be that invested in quartz-mining, by persons out running steam engines, and, as the land The three counties I have named lie entire Mining region, especially upon and thing of it. assured that one was recently out near valley of the Sacramento. The three time so reduce the wages of labor, or the saucer. If, then, a tunnel can be run in branches or "forks" of the American and progress of invention and discovery so through the "rim rock" or side of this those of the Yuba River come brawling increase its efficiency, that extensive dis- saucer so happily as to strike the level of down from the Sierra Nevada through tricts will ultimately be mined with prof- the bottom, thereby draing off the water, very deep, narrow valleys or canons, and it which are now necessarily avoided. If and affording the utmost facility for exunite respectively to run a very short the amount of available water were dou tracting the gold-bearing gravel, the forcourse less rapidly ere they are lost in bled, with a considerable reduction of tune of the operator may be made by one the Sacramento-the Yuba having pre- price, the Gold product of California lucky, or better than lucky, operation -found also Oaks, which gradually increas. viously formed a junction with the Feath- would thereupon be increased several mil- In a few instances, these subterranean ed in size and number as we descended. er. "Bear River," "Wolf Creek," "Dear lions per annum. At present, Mining en- gravel basins would seem to have formed Creek," &c., are the names of still small- terprises of considerable promise and in- parts of the beds of accient rivers, and so er streams, taking their rise among the definite magnitude remain in abeyance, to be extraordinarily rich in the precious plore. Oak) at least four feet through -in short, foot hills, and running a short course in- simply because the price of labor, the rate dust. In some cases, the "pay dirt" is to some fork of the American or Yuba, of interest, and other elements of the cost hauled by steam up an inclined plane, so good timber in the course of any sev. their scanty waters, with a good portion of Mining, are deemed too high to justify or even raised perpendicularly by wind-

MODES OF MINING.

see a single miner engaged with pick and plan, and are paying very handsomely.

is unsuited and unacceptable to them; Bigler, which in turn finds an outlet into | ried in flumes supported by a frame-work bed of any water course, whether river, fall on the right spot, or (better still) prothey desire to be set off, and I trust they Truckee River, whereby its waters are of timber twenty to sixty feet over your creek or dry guleb. But Chinese bands jected through a hose and pipe with the soon may be. Though few in numbers borne eastward into the desert and there head. Some of these flumes or open a- of six to twelve were often hard at work force generated by a heavy fall. The as yet, they are rapidly increasing, and dissipated. There is fine grass on Lake queducts are carried across valleys each in these water-courses-Bear River, the former of these methods is exhibited in will soon possess all the elements of a Bigler, and several hundred cows are a mile or more in width; I have seen two south fork of the Yuba, &c .- digging and perfection at Nevada, the latter at North kept there in Summer, making butter for of them thus crossing side by side. The washing, with rocker, sluice, and a sort of San Juan, near the middle fork of the I had previously seen some beautiful the California market. When snow falls, canals range from ten to sixty or eighty wheel and flune arrangement, which I Yuba, streams at least three inches in diof Carson. I judge that portion of it al- of the Sacramento, where the rains are ming the streams wherefrom they are sev- The Chinese are hardly used here. In measured inches of water are directed a-

ready in good part under cultivation a- now commencing, and they here live with- erally fed, and taking out their water in the first place, they are taxed four dol. gainst the remaining half of a bigh hill, bout thirty miles long by ten to fifteen out hay till June, when they are taken a wide trench, which runs along the side lars each per month for the naked privi. which they strike with such force that wide an area destined to be largely in- back to the mountains again, where only of one bank, gradually gaining compara- lege of mining at all. Next, they are not boulders of the size of canon balls are creased, as I have already indicated .- is butter made from them. The business tive altitude as the stream by its side falls allowed to mine anywhere but in diggings started from their beds and hurled five to This valley, originally a grand meadow, is very lucrative, the land costing nothing lower in its canon, until it is at length on which white men have worked out and ten feet into the air. By this process, the bome of the deer and the antelope, is and being unfenced. Taking into ac- the crest of the headland or mountain abandoned, or which no white man con- one man will wash away a bank of earth nearly inclosed by high mountains, down count gold, timber, and grass, the Sierra promontory which projects into the plain siders worth working. Thirdly, if these like a baystack sooner than a bundred which, especially from the north and Nevada is probably the richest and most and may be conducted down either side rejected diggings happen, in Chinese men could do it by old-fashioned sluicing. of it in any direction deemed desirable. bands, to prove better than their reputa- I believe earth yielding a bare cent's and dancing on their way to form or join -From the vally aforesaid, we rose a- I think several of these cauals have cost tion, and to begin yielding liberally a mob worth of gold to the pan may be profitathe Carson. Easily arrested and controll- gain for two miles, along a narrow road nearly or quite balf a million dollars each, of white sovereigns soon drives the Chi- bly washed by this process, paying a reaed, because of the extreme shallowness cut into the side of a mountain, with a having been enlarged and improved from nese out of them, neck and heels. "John" sonable price for the water. As much of their beds, these streams have been precipitious descent on the right. Then year to year, as circumstances dictated does not seem to be a very bad fellow, as \$100 per day is profitably paid for the made to irrigate a large portion of the we began to descend one more, beside a and means could be obtained. One of but he is treated worse than though he water thrown through one pipe. The upper valley, producing an abundance of rivulet which leaped and laughed on its them, originally constructed in defiance were. He is not malignant nor sanguin- stream thus thrown will knock a man as sweetest Grass and insuring bounteons way to the Pacific. The ascent from the of sanguine prophecies of failure, return- ary, and seldom harms any but his own lifeless as though it were a grape-shot -barvest also of Vegetables, Barley, Oats, Carson side is far shorter than the de- ed to its owners the entire cost of its con- tribe. But he is thoroughly sensual, in. As the bank, over a hundred feet high, &c. Wheat seems to do fairly here; Corn scent this way, Carson Valley being struction within three months from the tent on the fullest gratification of his car- is undermining by the battery, it frequentnot so well; in fact, the nights are too cold much higher than that of the Sacramen- date of ics completion. Then it was found nal appetites, and on nothing else. He ly caves from the top downward, reaching for it if the water were not. For this to. But the road, even on this side, is, necessary to enlarge and every way to eats and drinks the best he can get, and and burying the careless operator. Three spring water, leaping suddenly down from for most of the way, eaten into the side improve it, and every dollar of net earn- as much as he can hold; but he is never men have thus been killed at San Juan its mountain sources, is too cold, too pure, of a steep mountain, with a precipice of ings for the next four years was devoted so devoid of self-respect as to be seen within the last mouth, until at length to be adapted to irrigation; could it be from five to fifteen hundred feet on one to its perfection. In some instances, the drunk in a public place; even for an opium greater caution is exercised, and the opeheld back even a week, and exposed in side and as steep an eminence on the oth- projectors exhausted their own means debauch, he secludes himself where none rator stands twice as far away as he forin shallow ponds or basins to the hot sun- er. Yet along this mere shelf, with bard- and then resorted to borrowing on mort- but a friendly eye can reach him. His merly did. Very long sluices—as long Large Cottonwoods dot its banks very shine, it would be vastly more useful. - ly a place to each mile where two meet- gage at California rates of interest; I be- "particular vanity" in the eating line is as may be-conduct the discharged wanear its mouth, and its valley, wherever When the whole river shall have been ing wagons can pass, the mailstage was lieve nearly or quite every such experi- Rice, whereof he will have the best only ter away; and I am told that it is no matmade available, twenty to forty miles be- driven at the rate of ten miles an hour ment resulted in absolute bankruptey and if the best is to be had; he likes a fat ter how thick with earth the water may You feel that you are once more in a low, it will prove far more nutritious and (in one instance eleven), or just as fast as a change of owners. Of late, the solvent chicken also, and will pay his last dollar run, provided the sluice be long enough. four wild California horses, whom two and prosperous companies have turned for one rather than go without. Lacking It is of course so arranged as to present be paralyzed by sterility, obstruction, and Genoa stands on the narrow bush or men could scarcely harness, could draw their attention to damming the outlets of the dollar, it is charged that he will rob rifles, crevices, &c., to arrest the gold at slope of hard granitie gravel which inter- it. Our driver was of course skillful; but the little lakes which fill the hollows of hen-roosts; at all events, hen roosts are first borne along by the turbid flood. I Still, the prevalence of drouth is here venes betwizt the mountains and the val- bad he met a wagon suddenly on round. the Sierra, in order to hold back the su. sometimes robbed, and "John" has to believe there are companies operating by a fearful fact. No rain in Summer - ley, with half a dozen rivulets running ing one of the sharp points or projections perabundant waters of the Spring months bear the blame. He is popularly held to this method whose gross receipts from a that is, none that can be calculated on, through it to fructify the fields and gar- we were constantly passing, a fearful for use in Summer and Autumn. This spend nothing, but carry all his gains out single sluice have reached a thausand none that amounts to anything-might | dens below. Just behind it is the steep crash was unavoidable. Had his horses course is doubly benificent, in that it di- of the country and home to his native dollars per day. well appall the cultivator accustomed to ascent of the mountain, its very soil form- seen fit to run away (as they did run minishes the danger from floods to which land-a charge disproved by the fact that -One of the novelties (to me) of this warm, refreshing showers throughout the ed of white, pulverized granite, glorious- once, on the unbooking of a trace, but which is he is an inveterate gambler, an opium region is the presence of soft granitegrowing season. We crossed, on our sa- ly covered with fragrant and graceful at a place where he had room to rein also serious in all the valleys or canons smoker, a habitual rum drinker, and a putty granite, if I may coin a name for it. pid ride up the Carson, a single high pines. As these steep acclivities are ab. them out of the most soft rocks, this seems not to plain twenty-six miles long and from six | solutely worthless for any other end than and thus stop them) I know that he could thing that water can injure. I judge that weak in body and not allowed to vote, so harden by exposure to the atmosphere -to twelve wide, which drouth alone dooms tree growing, I entrest the people of Ge- not have held them, and we might have the cost and present cash value of these it is safe to trample on him; he does not It is found at various depths, and I know to Sagebush, sterility, and worthlessness, non to take care of these woods, and not pitched headlong down a precipice of a mining canals throughout California must write English, and so cannot tell the sto. no way of accounting for it. It seems to Two or three other plains or high inter- let their place be shorn of half its beauty thousand feet, where all of the concern be many millions of dollars, paying in ry of his wrongs; he has no family here me that one-fourth of the granite I saw vales further up are nearly as scorebed merely to save a mile or so in the haul. that could have been picked up afterward the average a fair income, while their (the few Chinese women brought to this at the base of recent exeavations appearand barren. All these may be rendered ing of fuel. I may never see this lovely would not have been worth two bits per supply of water is at this season, and from country being utterly shameless and a. ed soft as cheese. Is not this poculiar to most productive by irrigation, and here vailey again-it is hardly probable that tushel. Yet at this break neck rate we July to November, utter?y inadequate. bandoned), so that he forms no domestic California. is the water at hand. If the new Gold I ever shall-but its beauty, its seclusion, were driven for not less than four hours Water is sold by them by the cubic inch ties and enjoys no social standing. Even -Mining is a necessary art, but it does Mines in this valley shall ultimately jus- its quiet, the brightness of its abundant or forty miles, changing borses every ten -a stream four inches deep and six wide, the wretehed Indians of California repel not tend to beautify the face of Nature. tify their present promise, a very large rivulets, the grandeur of its inclosing or fifteen, and raising a cloud of dust for instance, being twenty-four inches, with scorn the suggestion that there is On the contrary earth distorted into all demand for Vegetable Food will speedily mountains, the grace and emerald ver- through which it was difficult at times to for which fifty cents per inch, twelve dol- any kinship between their race and the manner of ungainly heaps and ridges, spring up here, which can only be satis- dure of their vesture of pines, have gra- see anything. We cro-sed the south lars per day must be paid by the taker. Chinese. "John" has traits which I can bills half torn or washed away, and the fied by domestic production. The vast ven themselves on my memory with fork of the American River eighteen A head of six inches residue left in as repulsive shape as can deserts castward cannot meet it, the ara- a vividness and force which only he who miles above the top that, if other men's faults were punished well be conceived, roads intersected and ple region about Salt Lake is at once too has passed weary weeks on some great, immediately after to the aperture through which the water as severely as his, a good many Califor. often turned to mire by ditches, waterrestricted and too distant; inland Califor- shadeless, verdureless desert can fully ridge south, and thenceforward the road escapes into the miners' private ditch or nians would be less comfortable than they courses torn up and gouged out, and riv-

gold is diffused throughout the soil of the of California, who have not lost every far. has no ewner, everybody cuts and slashlass, but it is easier to extract it by a in the Yosemite Valley, with a look at borizontal drift or tunnel, wherever pos. the Big Trees of Mariposa (not the big-In the course of a week's travel through sible. Many mines of this order are gesst of all, are in Calaveras) by the way, a portion of the Ming district, I did not worked night and day on the "three-shift" I leave San Francisco and vicinity for

smeter, and probably containing twenty

ers, once pure as crystal, now dense and -We stopped but to dine in Genoa, beautifully inclined ridge, and, but for per day ranges from twenty cents to one -- As to Quarz-Mining-or the reduction opaque with pulverized rock-such is the costly operation. The time will ultimate- then economized the residue of the day- the dust, would be one of the finest drives dollar per inch, though I think it now tion to powder of the vein-stone wherein spectacle presented throughout the Mily come-it-may or may not be in our light by pressing on 15 miles to the point on earth. And right glad was I to find seldom reaches the higher figure, which gold is contained, and the extraction of ning region. Not a stream of any size is day-when two or three great dams over at which the California road enters the myself once more among friends, sur- was once common. Were the supply the gold from the powder, by means of allowed to escape the pollution-even the the Carson will render the irrigation of mountains by the side of the largest of rounded by the comforts of civilization, twice as copius as it is, I presume it would water, quicksilver, &c. - I judge that the bountiful and naturally pure Sacramento these broad, arid plains on its banks per- the brooks which unite to form the Car- and with a prospect of occasional rest .-- all be required; if the price were some time has not even yet arrived for its prof. is yellow with it, and flows turbid and feetly feasible; and then this will be one son. Here we halted at a fair two story I cannot conscientiously recommend the what lowered by the increase, I am sure itable prosecution. There are conspicu- uninviting to the Pacific. The people of of the most productive regions on earth. bouse, the first one I had entered with a route I have traveled to Summer tourists it would be. Many works are now stan- ous instances of its success, that of the this City have to drink it, nevertheless.) concern as "Allison's Ranche," in Grass Despite theintense heat and drouth always Valley, for example-but I am confident prevalent at this season, the country is Go where you will in the Mining region, that fully three out of every four quartz. full of springs, which are bright and clear you are seldom a mile distatant from mining enterprises have proved failures, as need be; but wherever three or four of past or present "diggings." Speaking or have at best achieved no positive suc. these have joined to form a little rill, some generally, every ravine, gully, or water cess. The current estimates of the yield gold seeker is sharp on their track, conconrse has been prospected; every one at of gold by quartz rock are grossly exag- verting them into liquid mud. Californisome point dug open to the "bed-rock," gerated. I judge that the average yield a, in giving up her hoarded wealth, sur-

> es as if he cared for nobody but himself. subserve the paltriest, merely because they are handy, and it is nobody's business to preserve them There was timber enough here ten years ago to satisfy every legitimate need for a century; yet ten years more will not clapse before the miners will be sending far up into the mountains at a beavy cost for logs that might still have been abundant at their doors had the timber of this region been husbanded as it ought. Remon-tranco were idle, but I must be permitted to de-

> -I devote the coming week to a visit to Col. Fremont and his works in Bear Valley; and to trip to the famous easeade HORACE GREELEY.

Gentiles seldom works harmoniously; but the Sierra Nevada-rises steadily for tie of the entire mining region. As you mountains, or further to the north, I niformly profitable mode of operation is 117 The State of Missouri is 318 miles in Utah there is no division—the Mor. twelve or thirteen miles from our morn- traverse a wild and broken district, per- might have found such. Nor do I remem- that termed Hydraulic Mining-that is, long from east to west, and 278 broad mons have all. The people of Carson ing's starting-point, then descends for two haps miles from any human habitation or ter having seen white men, save, perhaps the washing down and washing away of from north to south. It contains 67, 280