

nore easy of access for railway co struction, squipment and supplies, its construction work is somewhat in the lead of that of the Oregon Trunk Line in the lower reaches of the canyon.

Whether or not this lead will be overtaken by the Oregon Trunk Line is a matter of speculation among those who are watching the contest and apparently one of considerable concern to both rallway companies.

There is undoubtedly room for two vallways in the Deschutes Canyon, but also, undoubtedly, one rallway could build through it more quickly and more cheaply, too, were it free to swing from side to side of the stream as the canyon ascends. Two railroads along such a narrow stream, where construct tion is in any event slow and difficult. complicates the situation. Work has now progressed so far that neither road can hope to block the other, so the struggle of each railroad now apparently is to press its own work and selze the best locations, thereby hampering its rival, and be the first railtoad to operate trains to interior Ore-100

As incident to this effort the Harriman contractors have scoured the coun-try for workmen, until 2600 or more are drilling, grading, excavaling and laying ralls. They are assisted by a track-laying machine, three steam shovels and scores of teams. The officials of the road declare they will be running trains into Madras before the end of 1010.

The Deschutes railroad follows the east bank of the river, crossing over only once, a few miles below Sherar's Bridge, and then for but five miles in the effort to avoid costly tunnel and rock work on the east side of the canyou.

The road leaves the main line of the O. R. & N. about one and a half miles east of the main line bridge across the mouth of the Deschutes River, The new road swings back westward for this one and one-half miles, paralleling the main line, but gradually rising up the sides of the bluffs and rounding into the Deschutes Canyon still on an up-grade in a climb of 150 feet to get over the Moody power-dam site, three miles up. Rails are now laid from the junction several miles into the Deschutes Canyon, and a track-laying machine is employed whenever a stretch tractors utilized the road themselves. of completed grade is added. Materialbut shut their rivals out. yards have been established at Deschutes Station, where 35 miles of steel workmen brought up from the two rails, thousands of ties, bridge timbers, camps in the canyon were apparently angle bars, corrugated iron culverts and other materials necessary to railgate across the road, when instructions came to lift the blockade. Three leadway construction are piled over several acres of ground. These ,are the main ers were arrested, charged with incitimaterial-yards for the construction ing riot, but all troubles have apparent-work, although other material depots by been adjusted, and large quantities

the construction work were taken by rail to points on the Columbia Southuted over the line. ern, the O. R. & N. branch which paralleis the Deschutes on the highlands for

70 miles, and from there hauled in sections over steep wagon roads into the canyon. From three different towns along the Columbia Southern the camps of the Deschutes Railroad Company may be reached. One is Moro, where the old wool trail down Rattlesnake grade to Free bridge has been improved so that heavy loads of supplies and materials may be taken in From Grass Valley another road has been built down Mack's canyon, reaching the work by a haul of seven miles from the town. Down Mack's canyon two of the steam shovels were carried in sections on wagons drawn by tenhorse teams.

Six or eight miles above Mack's canyon the wagon goad built to the Horseshoe Bend by the Harriman contractors last Summer and blockaded. for a time by the Oregon Trunk line contractors, is still in use. This road was built on a 20 per cent grade for a distance of two miles to reach the bot-2600. tom of the canyon, the right of way being on Government land, and it cost nearly \$10,000. It was no more than completed when the Trunk line tractors bought/a ranch near the head of the road and blocked the private road leading across the ranch, and which formed the only means of access to the new canyon road. The Hill con-

On one occasion large bodies of

In the 107 miles to Madras the Deschutes Rallroad Company will con-struct six' tunnels, the longest of which will be 1100 feet, and the shortest about 300 feet. The tunnel at Horseshoe Bend, 1000 feet long, is in

several hundred feet. Another, 68 lits rival, miles from the mouth of the river, is Redmon practically completed. Work is in is the terminus of the Harriman road progress on all the others. The Harriman road turns out of the

HARRIMAN LINE UP DESCHUTES

Under construction contract-130 miles, Deschutes to Redmond, Probable terminus - Odell, con-necting there with Natron cutoff of Southern Facific to Klamath Falls; will probably extend cast-ward through Christmas Lake country to connection with Orecountry to connection with Oregon Short Line at Vale, Estimated cost - Deschutes to Redmond-\$5,000,00.

Number of men at work-About Maximum working grade-

Eight-tenths of one per cent. / Maximum curvatures - One of 12 degrees; others 10 degrees or

Character of construction-Rock and gravel ballast; 75-pound steel; standard O. R. & N. construction Estimated time for completion to Madras-August, 1910.

about to come to blows over the locked Deschutes canyon about \$5 miles from the mouth, by way of Trout Creek. Before reaching the mouth of Trout Creek, the grade gradually rises. Trout Creek is crossed by a steel via-duct 550 feet long and 100 feet above have been established at Grass Valley of tunnel timbers are now going down the stream about a mile from its and Shaniko. the grade to the Harriman camps for mouth, and the road then turns up

The three steam shovels now used in use in the tunnel through the tongue Sage Springs canyon and then up Por-

of Horseshoe Bend. From Shaniko several points on the work are reached, the Agency and the forces are now well distrib-

center of Madras, it is at a height of 260 feet above the town. Willow Creek canyon, up which the Oregon Trunk line is building, will be bridged by a steel vladuci 700 feet long, the Hatriman road passing 260 feet over Redmond, 26 miles south of Madras.

so far as it is now located, and graders are now busy for several milles south of Madras, working toward Redmond.

The Harriman and Hill roads reach the same level again on a shoulder of Juniper Butte, a few miles in the of Madras, and from there to Redmond it is said their surveys coll around each other like snakes. The Harriman road has so far made no effort to contest the rights of the Oregon Trunk line at Crooked River crossing. The Oregon Trunk line selected the narrow. est point in the chasm several weeks ago, and rushed men to the spot to begin work that would hold the bridge site. The Harriman forces are not yet that far south, but will bridge Crooked River about 100 feet west of the Oregon Trunk line.

Concerning the canyon of the Deschutes, magazine articles written alarmists have appeared, in which the fear was expressed that water-power sites had been sacrificed to railway construction. A trip through the canyon shows these fears to be ground-Both railroads clear the Moody and Government dam sites by ten feet. and have been compelled to sacrifice easler grades to do it. Only at rave intervals along the work is either railroad near the water's level, but as a rule is 50 to 100 feet above it. If

there 'is any material difference, the Harriman road, generally, is higher up the canyon than its rival. About \$5,900,000 is being expended

by the Harriman system in construct-ing a railroad into Central Oregon. It is not believed that it will stop at Red-

mond, after expending this sum and cut-off of the Southern Pacific, and reaching only the outskirts of the in- that an east and west line will be conterior empire. Judge Lovett, now the structed from Odeli over surveys and from Ontario. This road is likely to be head of the system, when in Portland rights of way heretofore secured, hullt as an Oregon Short Line exten-in November, promised that interior through the Fort Rock and Christmas ion, at least in part.

railroad development from the Des- heur River canyon near Malheur Lake. chutes line.

Oregon would receive its full share of Lake countries, striking either through is the generally accepted belief or south of Burns and gaining the Maj-

The construction of these lines will give the timber of Central Oregon outlets, north, south and east, and will and thence 150 miles down Malheur serve extensive areas of irrigated farm-

ORCHARDS MAY DOT LAND NOW BARREN

Experiments Indicate Central Oregon Will Become Celebrated for Its Apples and Other Fruit.

HE new visitor to California in-the surrounding country, markets its 25-acre, non-ir variably writes home the wonder-ful tale of orange trees on which be seen the blossoms, green fruit be seen the blossoms, green fruit

and ripe fruit, all at the same time. The Deschutes Canyon can duplicate

t rich sediment, and so hemmed in by towering walls and high hills that the sun's heat during the day is stored up for the cooler nights that invaria-bly prevail in that locality. Situated at an altitude from 1000 to 2000 feet below the surrounding country, the temperature is uniformly 10 to 15 degrees warmer. In addition to apples, peaches, cherries, pears and the small fruits are grown successfully. There are but a few of these flats

new given over to the growing of fruit. Because of the newness of the country and the long absence of railfruit. way transportation not many commer-cial orchards have been set out in Cen-

cial orchards have been set out in Cen-tral Oregon. One orchard fract, known as Cove Orchard, however, is famed throughout Central Oregon. It is situated in Crooked River Canyon usar the con-fluence of the Crooked and Deschutes Rivers. This orchard, 1000 feet below

non-irrigated tract near Madras, but the trees have not yet reached the bearing stage. Near Prine-ville many farmers have home orchards that are demonstrating the adaptabil-its of the constraints the adaptabil-

The erchard was not planted with re-gard to scientific methods. The trees were too close together and no one knew ex-The Deschutes Canyon can duplicate the wonder almost any October day with its apple trees. Along the Deschutes and Crooked River canyons are numerous small flats chassified the fruit, put the orchard on a paying basis and in four years has cleared off his indebtedness for the purchase price. There are three 40-acre tracts at The Cove, but only 13 acres was set out to orchard. There are grown apples, pears, peaches, cher-ries, plums, prunes and other fruits. On other tracts strawberries rasper-ries tomatoes, melons and other prod-ucts are successful. A few miles fatther north in the

A few miles farther north in the eschutes Canyon and near the mouth f Trout Creek is the Ed Campbell Ears, promes and points. Apple varieties most commonly used are the Duchess of Oldenburg, Yellow Transparent, Arkansas Black, Winter Banna, Winesap, Spitzenberg, Snow. Deschutes Canyon and near the mouth of Trout Creek is the Ed Campbell Ranch and orchard and of this place it is told that in October the apple apple Cherry varieties used are Monticelly

it is told that in October the apple trees may be seen bearing blossoms, sreen fruit and ripened fruit on the same day. Apples, peaches, prunes and cherries are also grown at Tetherow Bridge, eight miles northwest of Red-mond. Commercial orchards are now being set out on the high table lands. Ed-ward White has a thrifty young growth of hardy apple trees doing well on a

that the road will be constructed to canyon to Vale, which is now the ter- ing, grain-growing and stock-produc-Odeil, a point on the Natron-Klamath minus of an Oregon Short Line branch ing countries

