he. most stupendous piece of masonry that I have seen, and one stands before it in awe and reverence.

Visitors to the Yosemite are sometimes entertained by the explosion of dynamite cartridges within the walls of the canyon, the echo from the various parts reminding one of reverberating thunder. Glacier Point is the best place for the production of this effect. The beauty of the valley is much enhanced by the verdure, everythlug cxcepting the bare rocks responding to the moisture and the warmth.

In returning from Yosemite we stopped a day at Lake Tahoe, which lies up in the mountains on the borderline between Nevada and California, fifteen miles by rail from Truckee, a station on the Southern Paciffc between Ogden and San Francisco. The lake is called the Pearl of the Sierras and has a depth of two thousand feet and an area of two hundred and fifty square miles. Its elevation above the sea is something over six
thousand feet and, owing to the varying depths, thousand feet and, owing to the varying depths,
the water takes on many shades of blue aad gicen.

In the northern portion of the Rockies there re innumerable fishing and hunting resorts, such as the Jackson Hole country, just south of the Yellowstone, the Big Horn Basin near Sheridan, Wyoming, the North Platte headwaters in the neighborhood of Saratoga, just south of Rawlias, Wyoming, the Black Hill streams near Cus er and Spearfish, not to speak of the Gunnison country and many other places in Colorado.

## THE PETRIF:ED FORLSST

This year we took most of our summer vacation in New Mexico and Arizona, the principal places visited being the Petrified Forest and the rand Canyon

The Petritied Forests are in eastern Arizona and near the line of the Santa Fe. The two smailer orests are near Adamana; the largest, of the three is near Holbrook. We visited the Halbrcok for est, sixteen miles southeast of that town, and found it a place of surpassing interest. No one
who has formed an opinion of the petrificd wood who has formed an opinion of the petrificd wood from the few pieces seen at the various expositions can realize the immensity of the force, the size
of the logs or the variety of coloring. In some of the logs or the variety of coloring. In some places it looks like a logging camp and many of the trees seem to have been sawed into sections, the lengths proportioned somewhat to the diameter of the log. Thousands of pieces can be found
showing the entire circumference of the tree, and showing the entire circumference of the tree, and varying in diameter from eight inches to two feet and in length from a foot to three feer-pieces convenient for shipping. Every institution of learning in the land ought to supply itself with one of these specimen for the benefit of the students. If the government, which has made a reservation of the forest, does not now permit such use of the specimens, it ought to do so, for of the earth's convulsions before man was born Geologists tell us that this portion of the earth's surface was once submerged, probably by water from the Gulf of California, and that after the work of petrifaction was completed another convulsion converted this section into the arid piateau vulsion converted this section into the arid piateau
which we find there today. It is evident that these trees were at one time covered with a deposit of soil which is now being gradually washcd away exposing the logs to view. As the washing continues new trees are disentombed and new acres added to the thousand or more now inciuded in the largest forest

One of the petrified trees is nearly nine feet in diameter and some show a iencth of two or be one tree, must have been more than four hundred feet high, but as the center of the tree is still covered by a deposit of soil the identity of the two sections is not clearly established. A section of one tree shows five branches and there
is a stump which shows where is a stump which shows where the roots have been broken off. In what appears to have been a hollow in a stump there is something which At the Chicago, exposition with the tree.
At the Chicago exposition in 1893 a visitor, fled wood, innocently asked whether they weripetrifled by hand. The question brought a smule 10 the face of the man in charge of the exhibit to smiled too, when he related the incident and but I recently heard Captain Jack Crawford, the poet scout, recite some verses which make the inquiry seem less ludicrous, Captain Crawford after a visit to the cities of the east, wrote poem contrasting the rugged natural beauty of
the western mountaing with the handiwork of
"Like it? No. I love to whander 'Mid the vales an' mountains green, In the borderland out yonder, Where the hand $o^{\prime}$ God is seen"

I have thought often during the last few weeks of his description of the mountain country. "Where the hand o' God is seen-!" In the canyon of the Yellowstone, in the valley of the Yosemite, in the brilliantly colored logs of the Petrified Forest and more distinctly still in the Grand Canyon of the Colorado
zona "the hand o' God is seen."

Of all the wonders of the west, the Grand Canyon, the mightiest and most impressive, is now the most accessible of them all to tourists. The Santa Fe railroad has a branch which runs from Williams to the very edge of the canyon. Here the Bright Angel hotel and others of less capacity supply the wants of the traveler and furnish outñts for a visit to the various points of interest. The Santa Fe is building at this place a hotel of one hundred rooms with all modern conveniences, which is to be run by the Harveys who have made the Harvey eating houses famous in the southwest. As the canyon is far enough south to be visited during all the months of the south to be visited during all the months of the year it is destined to become a popular resort.
The Bright Angel hotel takes its name from the The Bright Angel hotel takes its name from the
beautiful stream which enters the canyon from he opposite side of the Colorado.

How can one describe this awful chasm? More than eight miles wide at the top, nearly three hundred miles long and almost a mile deep-its immensity, its beauty and its grandeur are inexpressible. The adjectives which one is accustomed to employ at the sight of other wonders seem feeble and insufficient. There are various seem feeble and insufficient. There are various can be otbained, the most extensive being Grand View, some sixteen miles distant, but the views View, some sixteen miles distant, but the views
from O'Neill's Point, only a few miles east of the from O'Neill's Point, only a few miles east of the Bright Angel hotel, and Rowe's Point, a like
distance west of the hotel, answer every purpose. distance west of the hotel, answer every purpose.
From the rim of the canyon at any of these points From the rim of the canyon at any of these points one looks upon a charging scene so modifisd by sun and cloud and shadow that it presents a diferent picture each time It is seen. The canyon is made up of a great many smaller canyons and of countless piles and peaks and pinnacles of rock, Some of the rocks look like frowng forts, some like castles and others like slender spiros. The ase the limest it the red standstone surmounting this, the light sandstone still higher and the softer stone at the top-these reat by earthquake, raised by volcanic action and worn by erosion, assume an infinite number of shapes, of figures and of hues.

There is an excellent trail leading from the rim of the canyon to the muddy waters of the raging Colorado. During two-thirds of the descent, one is near the walls of the canyon and can measure the depth of each stratum of rock and note the seams where the strata meet. About thirteen hundred feet above the river a spriug of pure, cold water breaks forth and the vigetation about it has given the place the name of the Indian gardens. The trail from this polnt leads over a sloping plateau to the edge of the walls of the river where a descent of some six hundred feet is made by a picturesque route down the precipitous sides of a granite cliff.

There are "sermons in stones" and the stones of this canyon preach many impressive ones. They not only testify to the omnipotence of the Creator but they record the story of a stream which both moulds, and is moulded by, its environnient. It can not escape from the walls of its prison and yet it has made its impress upon the granite as, in ohedience to the law of gravitation, it bas gone dashing and foaming on its path to the sca.

How like a human life! Man, flung into cxis tence without his volition, bearing the race-mark of his parents, carrying the impress of their Itves to the day of his death, hedged about by an environment that shapes and moulds him kefore he is old enough to plan or choose, how these can strain and hem him in! And yet, he too, leaves his mark upon all that he touches as he tiavels, in obedience to his sense of duty, the patia that leads from the cradle to the grave. But here the likeness ends. The Colorado, pure and clear in the mountains, becomes a dark and mudd clear in before it reaches the ocean, so contaminated flocd by the soil through which it passes; but man, if controlled by a noble purpose and inspired by high ideals, may purify, rather than be polluted by,
his surroundings, and by resistance to temptation make the latter end of his life more beaudtul even than the beginning.

The river aiso teaches a sublime lesson of and in that work every drop of water its work its part. It takes time for individuals or played of individuals to accomplish a great work and because time is required those who work and because time is required those who labor in be-
half of their fellows sometimes become discourhalf of their fellows sometimes become discour-
aged. Nature teaches us to labor and to wait aged. Nature teaches us to labor and to wait,
Viewed from day to day the progress of the race Viewed from day to day the progress of the race
is imperceptible; viewed from year to is imperceptible; viewed from year to y'dr, it centuries the upward trend is apparent, and every good work and word and thought contributes toward the final resuit. As nothing is lost in the eccordy of nature, so nothing is lost in the sccial and moral world. As the stream is composed of and innumerable number of rivulets, each making lts little offering and each necessary to make up the whole, so the innumerable number of meil and women who recognize their duty to society and trieir obligations to their follows are contributis according to their strength to the sum tolat of the forces that make for righteousness and progress.

## Nevada vs Colorado

Nevada and Colorado, the former with a democratic governor and the latter with a republican governor, illustrate the difference between the orderly working out of reforms through law and the violent and lawless methods employed by the representatives of plutocracy. In Nevada John Sparks, a democrat, is governor. While he is man of large means and interested in both mining and agriculture, he is in sympathy with the masses and anxious to improve the condition of the la boring men. The democratic and silver patties adopted platforms favoring an eight-hour day They were successful, a fusion legislature passed the eight-hour law, the democratic governor signed the bill and the fusion supreme court declared the law constitutional. As a result Nevada has peace and progress. In Colorado the people demanded an eight-hour law and the law was passed, but the supreme court deelared it unconstitutional. The people then proposed and adopted a constitutional amendment authorizing the enactment of an eighthour law, but the republicans carried the state and while Senator Teller was elected by one' majurity on joint ballot the corporate influence was suong on joint ballot the corporate influence was sliong enough to prevent the passage of
out the constitution as amended.
out the constitution as amended. As a result of this disregard of the will of the people by the corporations Colorado is in a state borderiug on anarchy and the republican officials are the one who are ignoring the law. Peabodyism is the natural and legitimate outgrowth of that contempt for the rights and interests of the masseb which is manifesting itself more and more among the plutocrats, Governor Peabody is the willing ex ponent of this element and his administration is giving the people a foretaste of what can De ex ected ie peopie a forealt ever to employ the army for the subjugation of the wage-earners.

Democratie Nevada and republican Colorado present a striking contrast and make plain the difference between the democratic and the repub
lican methods of dealing with the labor question.

## Utilizing Man's Muscle

In The Commoner recently appeared an article written for the Chicago Tribune, showing the result of some experiments made by Prof. Atwater of Wesleyan University. The professor has been transforming man into electrical energy and finds that he is more perfect and wastes that an machine known. The experiments suggest a new use for muscle. If Edison will give gest a new use for muscle. If Edison win men lighting their houses by manual labor and if the abor can be performed on a stationary biolty the boys may, for a little while-until by taking a wears off-store light for the family
few turns at the wheels. The head of the fally few turns at the wheels. The head of the fand and can fit up two bicycles and have his daugnter to furnish light for the parlor during the evening. furnish light for the parlor during Now, if the protessor will give us a plan
transforming into fuel the energy expended on transforming into fuel the energy expended will golf, lawn tennis, football and baseball, the coal
soon be independent of the oil trust and the soon
trust.

