the valley, wo find on the amme (sonth) side, a prominent and masaive pile of granite, sculp: tured by nature so as to suggest ite name of "Cathedral Hock." Juat beyond aro iaolated columns of granite, at least 500 ft . high, staeding out from, but oonneoted at the base with, the walls of the valley; and these graceful pinnacles, graved by the wind and wons, well deserved to be called "The Spires," In faot the whole side of the valley aiong thin part of it is fantastioally but exquiaitoly carved out into forms of gigantio proportions, which, anywhere olse, oxcept in the Yonemite, would be considored objecta of the greatest intereat.
On tho north side again, boyond El Capitan, is a triple group of rooks, rising in ntaps one behind the other, and known an the "Three Brothers," and from the aummit of the highent, "Eagle Peak," there is a superb view of the valley and ita aurronadinga. An you step on the orast and your eye glances over the vast field of wonder, belore and beneath you, an overwholming feeling of awe and bewilderment pervades the mind, for you look down perpendicularly almost $4,000 \mathrm{ft}$, and look up again to see mountain peake quite $5,000 \mathrm{ft}$. ahove you. Juat below is a large stream nurging on to make the mightieat leap recorded; it shoote down at lightaing speed $2,600 \mathrm{ft}$, and you realize, at lonat in some degree, the immense hight of the Yosemite falls. This casoade, it not the most atapendous feature of the Yoaemite, is at least the mont attractive of the valley. All the acoeasories of this fall are of a character worthy of and commenaurated with its im. mente vertioal hight, so that everything is added which oan angment the improsaion which the desoent of so large a masa of water from much a hight oould not fail, by itself, to produce. This fall though only 30 ft . wide at the alart, widens, out, so great is the mass of desoending water, probably to 300 ft ; and like Bridal Veil, gains in ita headlong deceent ;'s vibrating motion peculiar to themselves, with an effect indeecribably grand.
Beyond the Yosemite falls are the Iloyal Arobes, under which we camped on a andy maadow amidat pine trees, which, though large, wered warfed by the surroundinge. Kast of this aggin is the "Waahington Colomn," a rounded columuar rock; and surmounting this and the Arehes is the "North Dome," the latter made up of eoncentrio plates of granite. Hers is where the valley lorks, the left-hand branch oontaining the beantiful pool onlled "Mirror Lake," above which risea the "Half Dome," whose face next the lake is absolutely vertioal for $1,500 \mathrm{ft}$. The right-hand fork, or IIIIlodotte, is but rarely viaited, as it is rough and dif. tienit to olimb; but the central oasyon carries the main atream or Meroed river, which desoends $2,000 \mathrm{ft}$. in two miles, making, besides innumerable oanowdes, two grand falls. The lower is the Vernal fall, a perpendicular aheet, with a dencent eatimated at 475 ft ., which is aeen to great ailvantage from the base. Here, however, the visitor is on a narrow, steeply. sloping mountain ledge junt over the raging torroat. The rooka are always wet with apray and consequently very slippery. Some of our ladien coming upon the fall unprepared were blinded by the water, and territied by their apparent danger.

A remartiable parapet of granite, just breast high, at the top of the eliff over whioh the water flows, looks as it made on porpose to af. ford the visitor a secure position from whioh to onjoy the soens. Above the Vornal falls in a sucosenios of emsocies and rapids of great beasty, and beyond these again is the grand Nevada falls, eavironed by majoetio soonery. The "Cap of Laberty." on the north aide of the river, is a stapendous mase of rock, rising $2,000 \mathrm{fL}$ above ita base, all the more imposing beosase iaolated and nearly perpendioular on all aides.

This ahort sketeh of the salient and most atriking poiste in the walla of the Yosemite, every portion of which is aublima, mecestarily omite others, which, though of great logauty, cannot be oven to mech as mentioned for want of space.
One word at to the supposed canse ereating
this unique valley; the most natural explanation is that suggested by Prof. Whitney, via: That the bottom sunk down to an unk nown depth, and the vast mass of detritus which muat have fallen from the walls, haa goee to fill up the abyan opened by the aubaidonoe. The at. mosphere of the valley is exhilarating, tonic and delicioas; the memory of the soene, a joy forever. The Yosemite is a Government park, given to the State of Califoraia in truat, "on condition that the premisen shall be held for public nse, resort and recreation:" but I regret to say that this commonwealth has ill fultilied the truat ahe acoepted, by neglecting to provide money to keep the roads, etc, in deoent travel. ing condition.
thes skquotan
Oa our return we stopped in the Maripoan group of big trees, which, though about 16 milea from the Yosemite, is included in the Congressional grant to Californis. Though these treen extend 120 milee north and south along the Sierraa, they are montly gathored in eight or nine dintinet groupe or groves. They are the largest and moat intereating tree in Amerioa, and oer. tainly the grandest and most impresaive productions of the vegetable kingdom.
The genus, named in honor of Sequoia, an In dian ehief of the Cherokees, who invented an alphabet and written language for his tribe before the whites had heard anything of it, will always keep his momory green.
There are several fosill species of the Sequeia, one being found in Greenfand, bat the $\alpha, g i$ gantea is exoluaively limited to the Sierras, on which it extends vertioally $2,000 \mathrm{ft}$, while jta twin brother, the redwood, $\delta$. sempereirens, is atrietly a seaboard tree, and confined to the Coast Rangen of California and Oregon. The talleat specimen of the big tree is 325 ft . high, and the one of the greatent diameter was 27 ft . through; and the age of the oldent one whose ringa have been counted wan 1,300 yeara. The cones are about two and a half inches in length and about two inches in diameter. The seeds are much sought for, are widely distribated and readily vegetate, so that millions of plants, it is asid, are now growing. Though so largen tree, yet it mast yield the paim to the Ericalyptue amygdalena of A uatralia, of which one ajecimen reaches the enormone elevation of 480 fh , thus overtopping the tallent Sequoia by 155 ft .
The following itinerary of the route to Yo. semite will prove of interent to those proposing to make the trip, and I give the diatance from point to point.

## Tom

To Mailinds
Central city
oren hais Oble

-     - Preito Ranes
" Loors Monitala
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Crow Contrs Cowta Mis via Fwebeco Fias.

" Mancel
" Brillive

Mrowist laneh

A metuhn bx 1881.
Our last year's trip as outlined above wan oo astisfactory that we atart again by May 16th, with 3 wagons, 14 people, 2 (combined) sooka asd drivers, 6 asidle horses, to camp, to the Yosemite, to spend Iwo mouth is the valley. Can't you come is and camp with us? I propoes to hold two weekly eampe fires, Wednesday and Sanday, for viaitors. If you know any "saw-bones" looking tor s job, send him is to spend his summer in the valley. His prosence will create a cropof patients.-Horace J. Amilh, in Rarul Preas.

8aximanek-Mesarn Garreau nad Mechelort, Paris, have extrweted from the ateme of the saxifrages, tasain, starch and a new proxisnate prineiple, bergenins, whieh poseseses valuable medieinal propertise, and may rakk belwees medienal properties,

## RAILSIDE HORTICULTURE,

The Central and Southers Pactla rallwaya bave done a good thing for the State by theic aystem of tree planting beside their tracks. We have been pleased also to nee here and there a awitch-tender so imbued with the love of the beautiful that he has embowered his litule oabin with a fine growth of vines and surrounded it with miniatare flower beds. There is also a diaposition in some towna to beantify the aurroundinge of the railway atations. The Derightway atation, in Berheley, is anclosed in a protty little park, arranged under the auspioes of the Berkeloy Naighborhood Improvement 8ociety. There is room for mach more good work of this kind all over the 8tate, for many atations are unsightly places ; as inhospitable and bare an neglect caa make them. This is exesedingly unfortunato for many reasons, sad should be ohanged. Firat imprestione are very atroag with many persons and if one is met aif the ata. tion, when detcending from the oar atepe, with a view of desolation and unthrifh, if may take many milen of flower gardens afterward to win a good opiaion of the town, If the stations were made over into little oases of shrubs and trees the effeet weuld be quite difforent. Kach village and town ahould have a pride in a work of thia kind. It would be oomparativaly enay if the people would in. terent themselven in ft. We are of the opinion that the railway oompany would furninh moot of the trees and shrubs, and then all 'that the people need do is to see that they are k -pt in condition fit for growth. There is no telling how wide reaohing the influenee of etech improvemeata might be It is quife posalble that the pienie charneter of the sitroundinge would impel the station loafers to ladulgo in min ocomaional cloan shirt, and the agent might tread the platform with polished boota. IGven atioh great changes as these are quite withis the poseibilities.
Raileide and atation hortionlture io not at all new ides. It is practioed quito gepersily in the older 8tates and abroad. The New York Tribune recently noted facta in this cotneetion atating that there are some pleasing examples of railway gardening in Maine, In Peniaylvania many of the atatioa areas are brightened by the omiling beanty of flowers and the graoes of foll. age, In Burope, where thers are more people withless todo, and where theshorter lineso roed. waynofall sortacan be kept on that nooount, in garden trim, it is common toseeat every litile eountry otation, however lonely and relired, bed of bright flowers elfging the walls and shining in the windown All stations a/o inolosed there : the gatea being opened from the gatekcepers lodge for avery pasaing vehiole. Here, asoh planted srea has necessarily its own fenos, all around being entirely open. The cuttinge near Paria are planted all over the slopes with Amorican loeusta.

As we have hinted before, Californis hes al, ready sotne good examples of what we would make prominent. There are alno mome beauti. fulapota along the dreary overland route through Neveda. We would have a thousand times an much of it. Which town in Californis will have the prettieat station? It is time now to plas and next fall to plant-Erehangs.

Submaniza Photognarity,-Improvementa are asid to have been made in aubsarine photoaraphic apparatas, by means of which viewe have been taken near Chlagow, at a depth of len fath. ome undernesth the water. One of theee viewn, taken in the bay of that eity, shome diatinetly a asady bottom, with a large number of bouldert covered with saa weed, and an old anohorf also, is the shade, three mooriag cables, belongiag to small y yohts.
A cousthymas from Now Hampehire, who had never heard of a bicyole, caiae of Boeton, and whes he bohald a youth whirling along apos one of thoee airy rehieles, he broke ovi into aolitoquy thus: "Golly, ain'l thet queert Who'd ever speet to see a man ridia' a hoopskirt."

