most equaling the most noted champagness of Rheims. The light wines of Sonoma are largely used in the manufacture of this sparkling and exhilarating beverage. Two methods of manufacture are used; the natural fermentation in the bottle, and the injection of carbonic acid gas by the soda fountain; the former being the only true method of making champagne, the late being an initation that has preduced consumers against the home-made article. For the state of the testing an initation that has preduced consumers against the home-made article. For the state of the testing an initation that has preduced consumers against the home-made article. For the state of the state of the champagnes of California are equal to those of any country, and in Mr. Arpad Harasathy, who is considered the state of the champagnes of California are equal to those of any country, and in Mr. Arpad Harasathy, who is considered the state of the constant of the champagnes of California Mr. Arpad Harasathy, who is considered the cost of land and establishing a vineyard in that county at \$150 per acre, which, or all bearing, should give a net return of from \$50 to \$0.0 Each are will be a state of the cost of the cost of land and establishing a vineyard in that county at \$150 per acre, which, or of wine, worth from twenty-five to thirty-five cents per gallon at the vineyard; grapes selling at from \$50 to \$0.0 Each are will be considered the cost of the cost of

inaccessible localities available, and will thus open an almost inexhaustible and exceedingly valuable resource.

Many of the valuable varieties of Eastern, Australian, Japanese, Asiatic and other forest trees have been transplanted here, and grow with a luxuriance equaling those of their native soil. The maple, ash, locust, and hickory of the east, and the encalyptus of Australia are the most valuable. Of the latter are twenty or more varieties, and their virtues are loudly extolled. It is the grandest tree of the Australian forest, and grows with great rapidity in California soil, trees of a dozen years of age towering a hundred and twenty-five feet in height, even the plants of four or five years' growth being stately trees. In Alameda County a forest of 195 acres has been planted with encalyptus by U. S. Surveyor-General J. T. Stratton, which is growing well, the trees at four years of age being fifty feet in height and twelve inches in diameter at the trunk. Seven hundred trees of this size are on an acre, but halt are to be removed, leaving 350 per acre to continue their growth. The value of those removed, if sold for firewood, is estimated at the rate of \$100 per acre, the cost of the plantation, including land, cultivating, interest, etc., being at the rate of \$00 per acre. This is a fair and noble experiment, and great hopes are entertained of the result. At present the value of the encalyptus for fuel or for use in mechanics is not ascertained, but the problem will soon be solved. The medicinal properties of the tree are claimed as very important, both from the medicines extracted from it and the influence it has in preventing miasmatic diseases in its neighborhood. For this purpose it has been extensively cultivated in India and Algeria, and is thus indorsed by the governments of those countries. A dry seil and a warm climate are most favorable to its growth, and if this tree proves to possess the properties claimed of it, it is certainly a valuable acquisition to our forests.

growth, and if this tree proves to possess the properties claimed of it, it is certainly a valuable acquisition to our forests.

COFFEE.—An indigenous shrub, common in the foot-hills of the Sierra Nevada, much resembling the coffee plant, has been called "wild coffee," but by o.hers is classed as a species of buckthorn. People familiar with the coffee plantations of Central America were the first to point out the resemblance of the stalk, leaf and berry, and it is quite probable that such a kinship exists that the native stalk would support the graft of the true and cultivated plant. Should this prove true, another and important resource is added to our native wealth.

Tea.—An attempt at the cultivation of the tea plant was undertaken, in 1870, by a colony of Japanese, in El Dorado County, but from the interruption of race prejudice, bad selection of land and other causes, the experiment proved unprofitable, as nearly all first trials have, and the project was abandoned. The daptability of our soil and climate for its production, were it remunerative.

GRASSES.—A long article could be written descriptive of the native grasses of California. In bygone times this was the favorite land of the herdsman, and horses and cattle, deer, elk and antelope ranged over the country in countless droves, unattended and uncared for by man, feeding upon the spontaneous growth of the soil through all seasons of the year. A peculiarity of the grasses being the abundance of seed, which, ripening with the stalk, affords nutriment when all seems dry and barren. In the southern part of the State the burr clover and the alififerilla or fileree constitute the chief herbage, and several varieties of red clover, timothy and wild oats, in the valleys and hills of the north. Alfalfa, or lucerne, is much prized and its cultivation is becoming general. The peculiar qualities of this grass is its strong roots, which strike deep for water and enable the plant to grow and retain its verdure during the long and dry summer. So prolific is the grow