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Received by the last Coptic the very latest plaids and striped scarfs for trimming school hats; also flowered, plaid and moira chiffone.

**VANILLA EXPERIMENT
AT KONA PROMISES WELL**

Crops Growing Finely and Will Yield \$1000 to \$5000 Per Acre According to Quality at Present Market Prices.

Napooopoo, Hawaii, May 25, 1903.

Editor Advertiser:—In reply to your inquiry as to the present condition and future prospects of Vanilla cultivation in Kona I think, with regard to the former, that I cannot do better than send you a photograph that I have recently had taken of one of my vines. (The photograph will be printed later.) The vine is one grown from a cutting sent to me by Mr. S. M. Damon in June of last year. As you will see from the photograph it has made a large quantity of wood and is now in blossom. These facts point to present satisfactory conditions.

Writing generally on Vanilla cultivation in this district, when I first came here my greatest difficulty was in procuring cuttings. I could only scrape together a few short ones when in Honolulu—which did not give the experiment a fair trial. In the fall of last year I went to Fiji and brought back with me a large number of vines, six feet in length. Unfortunately fermentation set in on board ship and a great many died then and since, but those that have survived are now growing beyond my expectation. The bulk of the vines are located at about 1100 feet above sea level, but, for experimental purposes, I planted cuttings at various distances up to 1500 feet, and the one plant at that elevation is among the finest that I have. The Vanilla is planted in a variety, and it is somewhat difficult to decide which is most suitable—as strong, healthy cuttings appear to thrive wherever they are planted.

My conclusions are that vanilla will grow well in Kona anywhere between 800 and 2000 feet—that it requires a rainfall of from 70 to 100 inches; and a shade temperature of 56 deg. to 84 deg. Fahr. That it thrives best in the open or with very little shade. The ground should be prepared for the reception of cuttings during the fall of the year and the cuttings planted when the spring rains commence. Healthy vines, six feet long and over, planted in the month of March will blossom the following year, but it is not advisable to allow them to crop so soon—better wait for another year.

One great advantage in vanilla culture is, that the crop can be regulated according to the strength of each plant. Future prospects are undoubtedly encouraging. Joseph Bennett & Co., Boston, the noted preparers of extract of vanilla, write me that vanilla beans such as I am growing are worth from \$2 to \$10 per pound, according to length and quality. Judging from results so far attained and from past experience an acre of vanilla growth in Kona may be expected to give 400 to 500 pounds per annum when in full bearing. The United States alone import from 250,000 to 300,000 pounds annually, and there is a universal demand for the commodity. I hope to see both capitalists and small farmers interest themselves in the culture. Once a start is made—even with a few cuttings—the means of extension, within a few months, are at hand. The cultivation, "marrying" of the flowers, etc., is simple, but great care has to be observed in the curing. A central curing establishment would, however, relieve the grower from all anxiety on this score, and, doubtless, this will follow in the wake of extended cultivation.

Yours faithfully,

E. H. EDWARDS.

**IRONWOOD IS A
DESIRABLE TREE**

BY W. M. GIFFARD.

The fine growth of the ironwoods (Casuarina) at Kapiolani Park has drawn attention to them as a desirable tree for propagation in Hawaii.

The following is von Muller's description of this tree:

Casuarina Equisetifolia. Found in East Africa, South Asia, North Australia and Polynesia. Attains a maximum height of 150 feet. Splendid for fuel, giving great heat and leaving little ashes. The timber is tough and nicely marked. The tree will live in somewhat saline soil at the edge of the sea. Captain Campbell-Walker estimates the yield of firewood from this tree as four times as great as the return from any tree of the forests of France. Known to have grown in ten years to a height of eighty feet, but then only with a comparatively slender stem. In India the tree grows on pure sand and is much used for fuel for railway locomotives. It yields a lasting wood for piles of jetties and for underground work and is much used for knees of boats and for tool handles.

The cost of raising Casuarinas in India has been from \$20.00 to \$50.00 per acre, and a return, after only eight years, of from \$65.00 to \$160.00 per acre. Dr. Hugh Cleghorn is an authority in regard to its growth in the forests of South India. He describes the Casuarina equisetifolia, which is the kind growing at Kapiolani Park, as follows: "This tree was introduced about fifty years ago, and is now well established, growing freely, and ripening seed in great abundance. In general appearance, it much resembles the larch tree; it grows in ten years to the height of about thirty feet. It generally grows very straight, and where the main shoot is broken or looped off, throws out secondary shoots readily, and these

are usually straight and erect. It thrives best in sandy tracts along the sea-shore, and it would be desirable to plant it largely on the sand hills north and south of Madras, where some numbers have already been grown. The wood is reddish in color; in density and appearance it somewhat resembles Trincomallee (Berrya Ammonilla). It bears a great strain, is well adapted for posts, and is said to bear submersion in water very well. The bark contains tannin, and a brown dye has been extracted from it by M. Jules L'Epine of Pondicherry. On the whole, this tree deserves extensive cultivation on the sandy tracts, where it grows so readily."

There are several varieties of Casuarina which should be introduced here, all of which are economic trees and suitable for the climate on our lowlands. I would suggest that the Board of Agriculture be requested to introduce seeds of the following varieties: Casuarina Fraseriana. (Adapted to sterile head-land—wood easily split into shingles.) Casuarina Glauca. (Growth rapid, resists exposure, and good for sheltering purposes, as well as giving a speedy supply of fuel.) Casuarina Quadrivalvis. (This variety does not live merely in Coast sand but also on barren places reaching the inland hills. The male tree is very eligible for avenues, but the female is less slightly. Cattle are fond of the foliage. A very important tree for arresting the ingress of Coast sand.) Casuarina Suberosa. (A beautiful shady species.) Casuarina Torulosa. (In demand for durable shingles and furniture work, as well as for staves and fuel.) Casuarina Muricata. (This specie is grown almost entirely in Southern India, the timber of same being used for fuel, railway ties, girders and for jetty work.)

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OUR GOLD FRAMES are especially made for this climate, having more gold in the rims, and we seldom hear of a complaint because of breakage, but if such a thing should happen, we cheerfully give a new frame, and make no charge for it.

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FORT STREET.

Facsimile of a Bar of Hawaiian Soap, one-half length

**HONOLULU SOAP WORKS
M. W. McCHESNEY & SONS**

Put up in 50 lb. cases, 24 bars at \$2.25; 100 lb. \$4.25. Delivered free to any part of city. Order from **M. W. McChesney & Sons, Ltd, Agents** Office, Queen St. Phone Main 217.

**EXAMINATIONS FOR
MANY POSITIONS**

Prof. A. B. Ingalls, Secretary of the Local Board of Civil Service Examiners announced the following examinations to be given on the dates and for positions indicated below: more complete information will be given to any who desire it, at the Gauger's office Custom House.

June 23—Laboratory Apprentice.
June 23 and 24—Local and Assistant Inspector of Boilers, Local and Assistant Inspector of Hulls, Deck Officer, Coast and Geodetic Survey.

June 30—Assistant Steam Engineer. Illustrator in Agrostology.

July 6 and 7—Teacher—Philippine Service.
July 7—Chinese Watchman, Deputy Shipping Commissioner.

July 7 and 8—Game Law Assistant.

A Question of Princes.

Honolulu, June 13, 1903.
Editor Advertiser: I am married to a Hawaiian who claims that her grandfather was a high chief in Kauai. Am I a Prince? Please let me know if I can attach H. R. H. to my name.
Yours, etc.
"PRINCE."

[The better title for you would be Prince Consort, but the H. R. H. belongs only to the wife. However, you might share it with her if she feels disposed. It costs no more for two than it does for one.—Ed. Advertiser.]

First picket—"What's this strike about, anyway—more pay, less work?"
What's it for?" Second picket—"Nah! The boss didn't take his hat off or take his cig' outen his mouth when de walkin' delegate went in ter see him.—Judge.

**Just Received
Novel, Stylish Dress Goods**

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On Sale Monday, June 15th

THE PIECES ARE IN SHORT LENGTHS AND WILL NOT LAST BUT A FEW DAYS.

E. W. Jordan & Co., Ltd.

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Light Weight Pongee Silks

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