

# Fruit Boom Is Underway

**Papayas, Bananas, Grapes and of Course, Pineapples, Will Help Out.**

At the present time papayas are barred from the mainland markets by the federal quarantine, although according to best authorities it is extremely doubtful if this fruit is subject to the attack of the Mediterranean fruit fly. The discovery that the papaya tree may be grafted with the greatest ease, is believed by many to mark the dawn of a most important industry in the importation of this luscious fruit into the mainland markets, where it is now scarcely known.

Dr. Wilcox, of the federal experiment station, believes that the papaya could be made exceedingly popular on the coast. He states that the grafting process recently discovered by the Florida experiment station, is ridiculously simple, and that it has been done repeatedly at the Honolulu station. By this means it is possible to perpetuate any of the great variety of strains now known, which is very difficult from seedlings. It would seem to be an easy matter to produce a strain which would combine good flavor with productiveness and shipping quality.

As to the matter of the present quarantine, Dr. Wilcox states that this could be removed in case it is possible to convince the Federal Department that there is no danger to be feared of its harboring the dreaded pest. Should the parasite which was recently introduced into the Territory from Africa, and which seems to have already become established in a number of localities, prove efficacious as is expected, in reducing the number of fruit flies, it will probably be comparatively easy to obtain a modification of the quarantine.

### BANANA IS KING.

But the fruit which might do more for Hawaii than any other, according to Dr. Wilcox, is the banana. Once the United Fruit Company, or some other corporation strong enough to enter the lists with the "fruit trust," as this gigantic organization is known, enters the local field, these islands will not only be able to furnish an enormous tonnage, but the fast fruit steamers which will be required will also be the finest kind of passenger vessels, and the tourist traffic will be boomed as it has never been before. When this time comes, Maui will come into her own. The hundreds of square miles of mountain sides in the Koolau district now covered with jungles of wild bananas, will become one vast

IN THE CIRCUIT COURT OF THE SECOND CIRCUIT TERRITORY OF HAWAII.

At Chambers, — In Divorce. MARY AMOE, Libellant, vs. YEE QUON, Libellee. Libel for Divorce.

### NOTICE.

TERRITORY OF HAWAII: To Yee Quon, Libellee. You are hereby notified that the above entitled suit, the same being for a divorce from you on the grounds of desertion and non-support, is now pending in the above entitled Court, and that the same will be heard and determined on Thursday, the 4th day of September, A. D. 1913, at 10 o'clock in the forenoon of said day, or as soon thereafter as may be set by the Judge of said Court, sitting at Chambers. Dated at Wailuku, Maui, June 23, 1913. (Seal) EDMUND H. HART, Clerk. J. W. KALUA, Attorney for Libellant. June 28, July 5, 12, 19, 26, August 2.

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banana plantation. No place in the Territory is better adapted to banana growing than is this moist section, although many tons of excellent fruit could also be grown in almost every kuleana in the island which has a moderate amount of rainfall.

### PLANS THAT FAILED.

It is probably only a question of time until Hawaii's possibilities as a tropical fruit producing center will be realized. Several false starts have already been made in this direction. Two or three years ago it seemed practically assured that the United Fruit Company was prepared to supply its Pacific Coast trade from here, on the very flattering reports made by several representatives of the company who investigated conditions. Two vessels, it is said, had been set apart for this service, and arrangements had been made for importing a cargo of Bluefield banana suckers for starting plantings in the Islands.

And then, for some unknown reason, the whole arrangements were called off, or indefinitely postponed. It is suspected that the Southern Pacific Railroad which now carries practically all of the fruit at quantity of bananas consumed throughout the western and northwestern States and western Canada, for three or four thousand miles from New Orleans, had something to do in the matter.

Another abortive attempt came about directly as a result of the passage of the Federal fruit quarantine law a few months ago, which hit Hawaii so hard. A very large firm of Portland, Oregon, was about to attempt to establish a general fruit business from the Islands. It was the intention to put on vessels for this trade, and to handle not only bananas of various varieties, but all other tropical fruits for which it was believed a good market could be established in the Coast cities.

### MAY TRY GRAPES.

It is probable that a number of the homesteaders in the Haiku district will make an effort to grow grapes on their holdings. It is believed that an equal, if not superior wine grape may be grown on the lower homestead lands than is now grown in the Kaupakalua district. The fact that great quantities of table grapes are now imported from California makes it likely that an effort will be made to capture this business by local horticulturists. The grape, according to Dr. Wilcox, does not seem to be troubled by the fruit fly, and should it prove practicable to produce table grapes in the Islands, a splendid market on the Coast would doubtless be found during the several months of the year between the mainland crops.

### NEW FERTILIZER FOR PINES.

For a number of years the Federal Experiment Station has been experimenting on fertilizers for pineapples, with most gratifying results. It is stated that of the many formulae which have been tried, one has been found which far surpasses any other thus far known. The station is taking particular pains to make this formula public among the pineapple growers of the islands, and to instruct them in its use.

## Pineapple Paragraphs

R. M. Morton, local manager of the American Can Company in Honolulu, spent last Saturday on Maui in the interest of his firm. He was accompanied by his wife, who during the day was the guest of Mrs. Will J. Cooper, at Haiku.

Mr. Morton states that the future of the pineapple industry for the next few years is very uncertain. His firm, however, is considering establishing a branch factory on Maui to supply the cans used by the local canneries. A decision in the matter will probably be reached this fall.

The recent slump of the pineapple market on the Coast is reacting in various ways on the industry in the Territory. On Maui it will probably be the cause of the abandonment of the plans of the Haiku Fruit and Packing Company for enlarging its cannery, which had been scheduled for this fall. It will also possibly result in the postponement of the removal of the Japanese cannery several miles further east, which was planned for next winter. While a good deal of planting is being done, there is nevertheless a feeling of much uncertainty among the growers, particularly among the homesteaders, since the canneries are now refusing to make contracts for any further crops.

James Lindsay, of Haiku, has a mango tree which recently came into bearing, the fruit of which is probably as fine as any from the best imported trees on Oahu. The tree is a seedling. The fruit is of medium size, but of most delicious and delicate flavor, and almost entirely free from fiber.

C. R. Collins has a house nearly completed on his homestead. He and his wife have been on the ground for the past several weeks. Mrs. Collins returned to Honolulu this week. She, however, will return shortly to make her permanent home on Maui.

C. C. James, chemist of the Pacific Guano & Fertilizer Company, is spending a ten-day's vacation with his family on his homestead.

A. E. Brune, the county engineer, with a force of assistants, has been at work most of this week in making a survey for the new road extension through the Haiku homesteads, across the West Kuiaha Gulch. Bids for the construction of the section across the Pauwela gulch will be opened on August 9.

## Do You Know This?

### FROGS.

It is a matter of dispute just to what extent the actions of animals are determined by pure unreasoning instinct. It has been said that a frog will snap at any small moving object, regardless of its character, and regardless of hunger or safety.

Some experiments carried out by a British scientist seem to indicate that the frog is capable of greater discrimination than had been credited to him. Thus, for example, a frog was offered hairy caterpillars, which it promptly seized, and with equal promptness spit out again. But after about from four to seven such injudicious attempts the frog had learned his lesson, and thereafter refused similar fare.

In another experiment earthworms were so connected with a source of electricity that the frog received a shock on touching the worm. The frog duly devoured the prey, and showed no signs of discomfort. However, he refused for seven days to touch another earthworm; while he freely devoured other species of worms.

Similarly, the frog would be taught to avoid worms on which oil of cloves or calcium chloride had been spread; although such "doctored" prey was not spit out, but was digested.

### HOTTER THAN SUN.

The temperatures of seventy stars have been calculated by a German astronomer from comparisons of the differences of intensity in different portions of the sun's spectrum. One star, Gamma Pegasi, seems to have the inconceivable heat of more than 400,000 degrees C. The next is much cooler, Gamma Cassiopeiae at 50,000 degrees; but this is vastly hotter than Alpha Tauri, the coolest, at 2,150 degrees.

By the same scale of computation the temperature of our sun is found to be 4,950 degrees. The hottest stars are the helium stars, and those showing bright hydrogen lines in their spectra.

## Old Minister Passes Away

**Rev. H. Manase Ends Long Useful Life—Lived On All the Islands.**

On Tuesday last the Rev. Hezekiah Manase died in Wailuku at the ripe old age of 78 years. He had been bedridden for some years past and the end was not unexpected. The funeral took place on Wednesday and the remains were buried in the family vault. The services were under the auspices of the Hui Kokua o Nawaiaha and the Hui Mahamau. There was a large attendance of friends of the deceased at the Kaahumanu Church and the services were very impressive.

The Rev. Manase was born at Kalaupapa, Molokai, in December 1835. He was educated at Lahainaluna School and graduated in 1858, and then attended the theological school at Wailuku. The young man studied under W. P. Alexander for four years and, after that, went to Kaupo Church where he served for four years. He was ordained minister in 1866 and took charge of Honouliuli Church.

In 1871 he was called to Hoonani, S. Kona, Hawaii, where he labored for seven years. In 1878 he was appointed Tax Assessor for the same district and remained in that position for seven years. Later on he was called back to his old home on Molokai as minister for the Kalaupapa Church, where he preached the gospel up till 1892. Resigning on account of ill health, Mr. Manase went to Honolulu for treatment. He remained on Oahu for five years and acted as chaplain to Oahu prison during that time.

A stroke of paralysis ended his active working life, and he was an inmate of the Lunaliilo Home for a long time. Finally he returned to Wailuku and settled on his own land till the time of his death.

The deceased was married twice and had eight children altogether. Of late he had been residing with J. W. Kalua, who had been appointed as his guardian.

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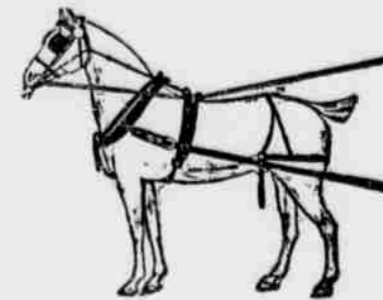
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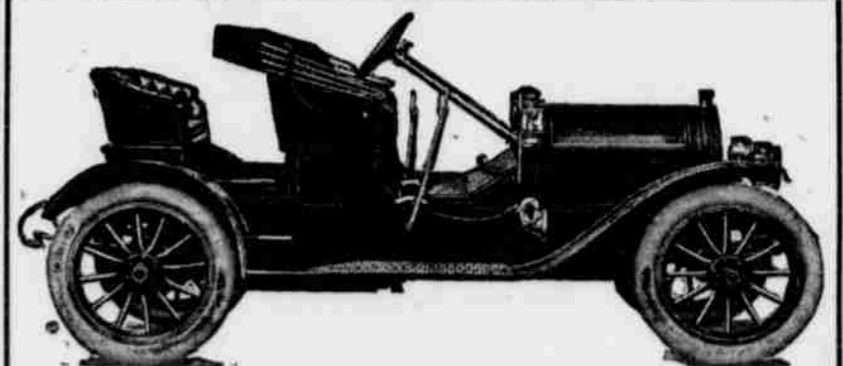
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