

The handsome appearance of the grape vines growing in different sections of the valley would seem to attest the fact that the disease which destroyed so many thousands of vines some ten years ago has become a thing of the past, and that viticulture will soon again become an important branch of our horticultural industry. A glance at the havoc created by the mysterious vine disease will not be uninteresting at this time.

More than one-half the grapes of the United States are grown on the Pacific coast, California alone having approximately 200,000 acres of vines. Most of the varieties grown in this region are derived from a single species of grape, which is believed to be a native of Asia, but which has been so long and so extensively cultivated throughout Europe that it has become widely known as the European vine. The varieties in the eastern United States have, for the most part, originated from native North American species, but will grow under almost all the different climatic conditions prevailing in this country.

The root louse (phylloxera), and the fungous diseases known as mildew, powdery mildew and black rot are much more severe on European than on native varieties. Phylloxera, so common upon our wild vines, and its injuries are slight, becomes a deadly parasite when transplanted to the roots of the European grape. The older vines of the European grape have been destroyed by this pest, but are now being restored by grafting the tender European varieties upon the roots of hardy wild vines obtained from the United States. Several vine diseases occur on the Pacific coast which cause heavy losses. The most serious one, however, is the California vine disease, which has already killed more than 30,000 acres of the most thrifty and productive vineyards.

This disease may be placed among the most destructive as well as the most obscure of all plant maladies. Considering its injurious nature, the obscurity of its cause, and the extent of its ravages, it may be classed with peach yellows. For a century prior to the appearance of this disease in the localities where it now prevails, the most susceptible Mission varieties had been grown with the greatest success. As near as can be learned the disease first appeared in 1884; in 1885 many vines were killed, and in 1886 extensive vineyards were destroyed by it in the vicinity of Anaheim. From this time on the disease spread rapidly, until now whole vine-growing regions are denuded and the disease is at work many miles from the point where it began its ravages. Up to the present time, however, about 30,000 acres of vines have been destroyed, causing a direct and indirect loss of not less than \$20,000,000.

The effects of the foliage of the vine, but by the second season a reduced growth of the cane is apparent. Taking the Muscat of Alexandria as an illustration of the behavior of the disease, when the leaves of this variety are attacked small yellow spots appear in the tissue between the main veins; in the tissue between they often unite, forming yellow strips, which broaden and die at the center. Eventually there is a well-marked brown stripe of dead tissue, bordered by yellow on each side, leaving only a narrow band of green tissue along the veins. After this the leaves fall, and as a result the immature portions of the cane turn black and die. The next season the growth is normal. Often the color of the foliage is normal in the spring, becoming spotted during the heat of summer, after which the premature fall of the leaves and the death of the cane ensue as before. The following spring the vine may fall to put forth new growth, or it may grow until the heat of the summer and then die. This is a typical illustration of the progress of the disease, which works in many ways. In some instances the diseased vines appear perfectly healthy up to the time of the vintage, when they suddenly die; in other cases they live from three to five years.

The roots also show the diseased state of the vine at an early period; the growing points shrivel and the rootcap begins to decay. This decay is most apparent in the parenchyma or soft tissue surrounding the wood bundles of the smaller roots. The soft parts rot to such an extent that the cortical portion without a control of the rootcap, but of the root may be easily stripped from the wood. This decay progresses until nearly the whole root system is involved. When the malady first appears in a vineyard it attacks seem sporadic. The disease will show on a vine here and there or on several vines in one section of the vineyard where some unfavorable soil condition weakens the stocks. Gradually other vines become affected, and the disease continues more marked, until finally the vineyard is worthless.

Some varieties of vines are much more resistant to the California malady than others; but there is no variety, so far as observed, which can wholly withstand it. Wild vines growing in the mountain canyons have been killed by it, and the Eastern vine appears to be only partially resistant, many of them succumbing to the disease. The difference in the hardness of varieties has often been shown in a striking manner. The Mission vine is one quite easily affected; the Muscat, on the contrary, yields more slowly to the disease. When the malady first appeared there were thousands of acres of fine Muscat and Mission vineyards in the region around Anaheim; in the immediate neighborhood of Anaheim chiefly Mission grapes were planted, which were used for making wine. Scattered among the wild vines, however, were numerous vineyards of raisin grapes of the Muscat of Alexandria variety. It was remarked by all that the disease at first killed only the wine or Mission grapes, the raisin grapes remaining apparently healthy. No marked was the destruction of the wine grapes and the apparent immunity of the raisin grapes that many regarded the disease as a judgment on the wine traffic. However, the year after the disease appeared among the Mission grapes the raisin grapes showed disease and in the end the raisin growers were no better off than the wine makers.

Studies of this malady have revealed the fact that cuttings from diseased vines are themselves diseased, and that the degree or amount of disease in the cuttings is proportionate to the degree or stage of the disease in the parent vine. Cuttings from diseased vines may root well and produce a fine, healthy-looking top, especially in the spring, but as the heat of the season approaches these young vines show disease, dying earlier or later, according to the length of time the parent plant has been affected.

REAL ESTATE TRANSFERS

For the Week Ending July 24, 1906.

Furnished by the Orange County Title Company, Santa Ana, California.

Stearns Ranches company to W. J. Hole—EJ of SE2 of NE2 of Sec. 5-3-10, 20 acres; \$10.

J. F. Mueller and wife, Sophia Mueller, to M. E. B. Robinson—Part of SW2 of lot 2, block E, Chapman tract; \$1700.

Geo. A. Crow and wife, A. C. Crow, to Otto A. R. Hoffman—7.22 acres in West Orange; \$1650.

D. W. Lewis to Jephtha Robinson and wife, M. E. B. Robinson—NW1 of lot 18, Fletcher tract.

Nellie Uim and husband, Nathan A. Uim, to Jacob W. McCooy—Lot 24, Uim, to Jacob W. McCooy—Santa Ana East; \$1000.

Ador Porter and husband, James A. Porter, to J. F. Mueller—Lot 17, 18, block 7, Santa Ana East; \$10.

Vicente Ybarra and wife, Erolinda C. de Ybarra, to Damian Mendosa—Lot 25, Francisco, to J. F. Mueller—Santa Ana East; \$1000.

J. L. Honadel and wife, Emma A. Honadel, to Hannah E. Frederick, wife of J. H. Frederick—Lot 8, block A, Beach, to J. F. Mueller—Santa Ana East; \$1000.

Adder J. Blakeman to Herman A. Miller—Lot 16, block B, Beach's addition to Orange; \$900.

Zorah D. Stitz and Albert H. Stitz to Nannie B. Hickey—Part of lot 5, block M, Chapman tract, 10 acres; \$1.

Nannie B. Hickey and Zorah D. Stitz to Albert H. Stitz—Part of the same lot, 5 acres; \$1.

Nannie B. Hickey and Albert H. Stitz to Zorah D. Stitz—Part of the same lot, 5 acres; \$1.

John Dempster McKee and wife, Anita McKee, to John Leck—Lot 2, block 11, to J. F. Mueller—Santa Ana East; \$1000.

E. C. McKelvey and husband, Chas. S. McKelvey, to Grace M. Grigsby—Lot 13, block C, Gardner and Moyer's addition, Santa Ana; \$2000.

Stearns Ranches company to E. A. Elliott—SW 1-4 of SW 1-4 of NE 1-4 of Sec. 32-5-10, 10 acres; \$40.

E. A. Elliott to W. M. D. Elliott, to Geo. W. McCooy—N4 of SW 1-4 of SW 1-4 of NE 1-4 of Sec. 32-5-10, 5 acres; \$150.

Stearns Ranches company to Frank B. McCooy—NW 1-4 of SW 1-4 of NE 1-4 of Sec. 32-5-10, 10 acres; \$10.

M. S. Jones and wife, Lavina Jones, to J. W. Squires—W4 of lot 14, block B, Chapman tract; 20.57 acres; also 5 acres west of Oliver; \$4000.

J. W. Squires and wife, Christina Squires, to M. S. Jones and wife, Lavina Jones—Lot 1 and 2, and E4 of lot 3, block E, Rose's addition; \$2000.

Stearns Ranches company to Andrew J. W. Squires—W4 of lot 14, block B, Chapman tract; 20.57 acres; also 5 acres west of Oliver; \$4000.

Wm. H. Pyle et al. to same—East 25 acres of west 50 acres of fractional NW 1-4 of Sec. 44, to E. F. Nelson—Lot 5 and S4 of lot 14, Turner's addition, Santa Ana; \$150.

W. H. Marquis and wife, M. J. Marquis, to Henry C. Schreiber—Lots 3 and 4, block 8, Dawson and Cumming's addition to Santa Ana; \$800.

James M. McCooy to Newham—E4 of S4 of SW1 of SW1, Sec. 15-4-11, 10 acres; \$700.

W. C. McCloy and wife, Amy E. McCloy, to H. F. Richardson—W1 lot 5, block 1, Fruit tract, Santa Ana; \$10.

Ellen P. B. Richardson to Rod'k Julius Richardson—Lots 3, 4 and 5, subdivision of Sec. 26-3-10, 26-3-10, 10 acres; \$10,000.

William F. Rotford and wife, Montilia L. Rotford, to E. J. and J. L. Chas. Long, Sec. 26-3-10; \$2000.

W. L. Hardison and wife, Clara M. Hardison, to George C. W. Long—Sec. 26-3-10, 20 acres northeast of Fullerton; \$10.

Geo. Chaffey, M. E. C. Munday and R. F. del Valle to E. J. and J. L. Chas. Long—Sec. 26-3-10, 20 acres northeast of Fullerton; \$10.

Ida Nell Wilson, Laura Nell Hinton, Elizabeth Nell Hinton, to E. J. and J. L. Chas. Long—Sec. 26-3-10, 20 acres northeast of Fullerton; \$10.

James Nell—South 50 feet, lot 4, block 5, Baker's addition to Santa Ana; \$10.

Contracts for Grapes.

John Eymann has received an offer from Henry J. Crocker of San Francisco for the purchase of his grape crop at \$14 per ton. The offer is identical to that made other grape growers in the State, and is as follows:

Dear Sir: (I invite your attention to the proposition I am making to the grape growers of this State. It is based on the idea that without some plan of establishing a control of the price, the viticultural interests of the State will again be jeopardized by the failure of the winemakers of the State to reorganize.)

I firmly believe that the course of the California Winemakers' corporation was the right one to pursue, but that the failure of the product they cannot succeed, and it is generally conceded that they will not combine to gether again for mutual protection and to secure a fixed price for their grapes, and the uncertainty of a fluctuating market.

The average price of grapes for the past ten years has been \$10.50 per ton. With ability to control the price, I feel sure that I will pay you cash on delivery \$14 per ton for all the standard varieties, and \$12 per ton for Mission and Malvases.

Contracts will be made separately with each individual grape grower for seven years, and should I secure enough contracts to make the project feasible, I feel assured that the capital which my subscribers have invested in the success of the winemakers will gladly go forward in the grape growers' interest, and the result will be a benefit to the viticultural interests of the State. If I fail to secure the contracts I will be compelled to drop the project.

Trusting to hear from you in regard to the matter, I am, Yours truly,

HENRY J. CROCKER.

Ladies' Wear Shoes.

One size smaller after using Allen's Foot-Ease, a powder to be shaken into the shoe. It makes tight or new shoes feel easy; gives instant relief to corns and bunions. It is the greatest comfort discovery of the age. Cures swollen feet, blisters and callous spots. Allen's Foot-Ease is a certain cure for ingrown toenails, sweating, hot, aching feet. At all druggists and shoe stores, 25c. Trial package free by mail. Address, Allen S. Olmstead, Le Roy, N. Y.

Good Train Service to the Beaches.

The Santa Fe train service to Redondo will be about the same as last summer, which was found so satisfactory. Morning train leaves at 7:30 a. m., coming through without delay at Los Angeles. Leaves for Santa Monica at 7:55 a. m., returning leaves the beach at 3:30 p. m.

Men's Clothing.

Gentlemen's Business Suits, odds and ends, reduced from \$5.00 to \$3.50.

Gentlemen's Suits, odds and ends, reduced from \$6.50 to \$4.50.

Gentlemen's Suits, Nobby Goods, worth \$7.50 and \$8.00 now \$5.00.

Gentlemen's Suits, Nobby Goods, worth \$10.00 now \$7.50.

Gentlemen's Suits, Nobby Goods, worth \$12.50 now \$9.00.

Finest Black Clay Suits, worth \$10.00 now \$6.75.

Finest Black Clay Suits, worth \$12.50 now \$9.00.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Fourth Street

RENNIAUS BROS.

GREAT

Annual Mid-Summer Clearance Sale

Commencing Saturday, July 22

Remember JULY 22

HERE ARE SOME PRICES THAT WILL ASTONISH YOU

DRY GOODS DEPARTMENT

Domestic.

4-4 Tobacco Cloth, 24c.

4-4 Brown Sheet, good quality, 44c.

4-4 " " better quality, 51c.

4-4 " " best quality, 61c.

4-4 Black Muslin, 50c.

4-4 " " better grade, 55c.

4-4 " " still better, 71c.

4-4 " " very best, 80c.

Wide Sheetings, Etc.

42-inch Pillow Case Sheet, 10c.

42-inch Sheet, 12c.

8-4 Bleach Sheet, 16c.

9-4 " " 21c.

10-4 " " 21c.

8-4 Brown Sheet, 15c.

10-4 " " 17c.

10-4 " " 19c.

We will sell you ready-made sheets and pillow cases almost as cheap as the price of material.

Canton Flannels.

Brown Canton Flannel, 51c.

Better grade, 71c.

Still better, 81c.

Best grade, up from, 10c.

Bleach Canton Flannel, 71c.

Better grade, 91c.

Still better, 10c.

Best grade, up from, 12c.

Large assortment of colored goods, suitable for underwear and for drapery also.

Brown Drilling and Ducking.

We carry undoubtedly the largest stock of these goods in Orange county, and can make you prices exceedingly cheap, having bought the same before the rise in cotton goods. Large consumers will therefore find it to their interest to call in and try us.

Outing Flannels.

A good quality at, 5c.

Better grade, 71c.

Very best grade, 9c.

Warm Weather Goods.

They must go at any price. Just listen:

Fine lawns, 21c.

Challies, 21c.

Fine Organdies, well worth 10c, now 5c.

Fine Lappets, 15c goods, for you at 10c.

Fine Imp. Grenadines, cheap at 15c, now, 10c.

Figured Flannels, 15c; they are 30c, for, 20c.

WARM WEATHER GOODS—Continued.

Goures for, 10c.

Younge French Organdies, 25c.

goods for, 15c.

Imp. French Grenadines, 35c.

Wool Challies, dark colors only, 35c goods, 15c.

Black American Satens, worth 15c, for, 10c.

Black Imported Satens, worth 25c, for, 15c.

Black Imported Satens, worth 30c, for, 20c.

Shirt Waists for All of You. They Must Go Without Reserve. Look at Our Prices.

Shirt Waists.

Fine Percale Waists at, 35c.

" " " better, 50c.

" " " still better, 65c.

" " " best grade from 75c to, 1.00.

We have a few silk shirt waists left. They now \$1.00 and \$1.25. Plain, all silk, fine goods, \$3.50 now \$2.50. Come soon; they will not last long. A few fine summer wraps left. They are black, trimmed in lace and ribbon. Don't want to keep them over and will sell them for less than the material is worth.

Hosiery and Underwear.

Ladies' Fast Black Hose, 5c.

" " " " 10c.

" " " " 12c.

" " " " 15c.

All imported goods at reduced prices. Misses' hose from 5 cents up in fast black and searose.

Better goods in proportion cheap. Ladies' Knit Underwear, good value 5 cents. Better goods in summer weight in proportion; cheap. All our ladies' and children's knit underwear in summer weights will be sold very cheap to make room for winter goods.

Corsets and Corset Waists.

Ladies' summer corsets from 25 cents up; and better grades at big reduction. We carry the most popular line of corsets which we now offer to you far below their value.

In corset waists we show you Jack-of-all-standard makes, well known and approved by you for their merits. They will all go at a big reduction.

Linen Department.

We are offering big bargains in Table Linens, Napkins, Towels, Crashes, etc. Now is your time to procure them cheap.

Curtain and Drapery Department.

We have an immense line of Lace Curtains, Swisses, Tansours and Fish-nets. Want to reduce our stock, and will therefore make it worth your while if you call soon. We also have a large assortment of Silkenes, Tapestries, Denims and Brocades. All these goods we offer to you now at great drives.

Our Summer Goods Must Go. We Need Room. Look for Our Bargains!

CLOTHING DEPARTMENT

Men's Clothing.

Gentlemen's Business Suits, odds and ends, reduced from \$5.00 to \$3.50.

Gentlemen's Suits, odds and ends, reduced from \$6.50 to \$4.50.

Gentlemen's Suits, Nobby Goods, worth \$7.50 and \$8.00 now \$5.00.

Gentlemen's Suits, Nobby Goods, worth \$10.00 now \$7.50.

Gentlemen's Suits, Nobby Goods, worth \$12.50 now \$9.00.

Finest Black Clay Suits, worth \$10.00 now \$6.75.

Finest Black Clay Suits, worth \$12.50 now \$9.00.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Fourth Street

RENNIAUS BROS.

GREAT

Annual Mid-Summer Clearance Sale

Commencing Saturday, July 22

Remember JULY 22

HERE ARE SOME PRICES THAT WILL ASTONISH YOU

DRY GOODS DEPARTMENT

Domestic.

4-4 Tobacco Cloth, 24c.

4-4 Brown Sheet, good quality, 44c.

4-4 " " better quality, 51c.

4-4 " " best quality, 61c.

4-4 Black Muslin, 50c.

4-4 " " better grade, 55c.

4-4 " " still better, 71c.

4-4 " " very best, 80c.

Wide Sheetings, Etc.

42-inch Pillow Case Sheet, 10c.

42-inch Sheet, 12c.

8-4 Bleach Sheet, 16c.

9-4 " " 21c.

10-4 " " 21c.

8-4 Brown Sheet, 15c.

10-4 " " 17c.

10-4 " " 19c.

We will sell you ready-made sheets and pillow cases almost as cheap as the price of material.

Canton Flannels.

Brown Canton Flannel, 51c.

Better grade, 71c.

Still better, 81c.

Best grade, up from, 10c.

Bleach Canton Flannel, 71c.

Better grade, 91c.

Still better, 10c.

Best grade, up from, 12c.

Large assortment of colored goods, suitable for underwear and for drapery also.

Brown Drilling and Ducking.

We carry undoubtedly the largest stock of these goods in Orange county, and can make you prices exceedingly cheap, having bought the same before the rise in cotton goods. Large consumers will therefore find it to their interest to call in and try us.

Outing Flannels.

A good quality at, 5c.

Better grade, 71c.

Very best grade, 9c.

Warm Weather Goods.

They must go at any price. Just listen:

Fine lawns, 21c.

Challies, 21c.

Fine Organdies, well worth 10c, now 5c.

Fine Lappets, 15c goods, for you at 10c.

Fine Imp. Grenadines, cheap at 15c, now, 10c.

Figured Flannels, 15c; they are 30c, for, 20c.

WARM WEATHER GOODS—Continued.

Goures for, 10c.

Younge French Organdies, 25c.

goods for, 15c.

Imp. French Grenadines, 35c.

Wool Challies, dark colors only, 35c goods, 15c.

Black American Satens, worth 15c, for, 10c.

Black Imported Satens, worth 25c, for, 15c.

Black Imported Satens, worth 30c, for, 20c.

Shirt Waists for All of You. They Must Go Without Reserve. Look at Our Prices.

Shirt Waists.

Fine Percale Waists at, 35c.

" " " better, 50c.

" " " still better, 65c.

" " " best grade from 75c to, 1.00.

We have a few silk shirt waists left. They now \$1.00 and \$1.25. Plain, all silk, fine goods, \$3.50 now \$2.50. Come soon; they will not last long. A few fine summer wraps left. They are black, trimmed in lace and ribbon. Don't want to keep them over and will sell them for less than the material is worth.

Hosiery and Underwear.

Ladies' Fast Black Hose, 5c.

" " " " 10c.

" " " " 12c.

" " " " 15c.

All imported goods at reduced prices. Misses' hose from 5 cents up in fast black and searose.

Better goods in proportion cheap. Ladies' Knit Underwear, good value 5 cents. Better goods in summer weight in proportion; cheap. All our ladies' and children's knit underwear in summer weights will be sold very cheap to make room for winter goods.

Corsets and Corset Waists.

Ladies' summer corsets from 25 cents up; and better grades at big reduction. We carry the most popular line of corsets which we now offer to you far below their value.

In corset waists we show you Jack-of-all-standard makes, well known and approved by you for their merits. They will all go at a big reduction.

Linen Department.

We are offering big bargains in Table Linens, Napkins, Towels, Crashes, etc. Now is your time to procure them cheap.

Curtain and Drapery Department.

We have an immense line of Lace Curtains, Swisses, Tansours and Fish-nets. Want to reduce our stock, and will therefore make it worth your while if you call soon. We also have a large assortment of Silkenes, Tapestries, Denims and Brocades. All these goods we offer to you now at great drives.

Our Summer Goods Must Go. We Need Room. Look for Our Bargains!

CLOTHING DEPARTMENT

Men's Clothing.

Gentlemen's Business Suits, odds and ends, reduced from \$5.00 to \$3.50.

Gentlemen's Suits, odds and ends, reduced from \$6.50 to \$4.50.

Gentlemen's Suits, Nobby Goods, worth \$7.50 and \$8.00 now \$5.00.

Gentlemen's Suits, Nobby Goods, worth \$10.00 now \$7.50.

Gentlemen's Suits, Nobby Goods, worth \$12.50 now \$9.00.

Finest Black Clay Suits, worth \$10.00 now \$6.75.

Finest Black Clay Suits, worth \$12.50 now \$9.00.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one for \$2.50.

Men's Crash Suits are the Thing for this Weather.

Take one

