Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

63.05

GEO. FROST.

C. S. BURGESS.

SEASON OF 1888.

RIVERSIDE NURSERIES,
Frost & Burgess,

PROPRIETORS,

GROWERS AND DEALERS IN CALIFORNIA AND FLORIDA

ORANGE STOCK

We are prepared to receive orders for the Season of 1888 for the

WASHINGTON NAVEL,

Malta Blood,* Malta Oval,* Jaffa,* Majorca,* King,* Tangerine,

And other CHOICE VARIETIES ; also for the

FINEST SWEET AND SOUR ORANGE
SEEDLINGS

For Orchard and Nursery Planting.

The **WASHINGTON NAVEL** is the most valuable orange known. Owing to its short season and early maturity, only one-half or two-thirds of the trees should be of this variety. The **MALTA BLOOD** follows the Navel in season, and often brings as high price in the markets. The **MALTA OVAL** is a fine orange ; it ripens late, and its fruit is oval in shape, of medium size, and very prolific ; the tree is thornless. The **JAFFA** is one of the very best, a thrifty grower, early and heavy bearer, tree thornless. The **MAJORCA**, tree almost identical with the above. We have eaten the fruit from the original trees (of the last two mentioned varieties, picked from the trees ourselves), and can conscientiously recommend them to the planters of California as being very choice varieties. The **TANGERINE** is a very fine fancy fruit, commanding fancy prices in large markets. The tree is unlike other varieties, resembling the sweet orange in size and foliage, and being thorny. The **KING** has proven to be a very desirable variety, the fruit being fine in texture and highly flavored ; tree very thorny.

Of the **SWEET SEEDLING** little need to be said. It is still a favorite with many owing to the ease of its cultivation, the beauty and size of the tree. In Florida it is little used as a stock for budding, the hardier sour being preferred for that purpose, but is still planted for seedling groves. We have a good stock of very fine trees which we offer at reasonable prices

The **TRIUMPH GRAPE FRUIT** is a very valuable fruit, supposed to be a hybrid between the grape fruit and sweet orange. It has but very little bitterness in the partitions inside, and is sweet and delicious. We hope to have a few trees of this variety for our customers.

We conscientiously recommend the **NATIVE SOUR** and **BITTER STOCK**, as far superior to all others for the basis of a **BUDDED ORANGE GROVE**. They produce **BETTER AND MORE PROFITABLE TREES** than the sweet stocks, and better fruit. The tree is hardier, thrifter, and longer lived, than on the sweet root ; will live where the other will die or become diseased ; has stronger and better roots, and every way, with us, hardier than the sweet seedling, which we can prove to any one who will take the trouble to visit us. As to its resisting frost better, we can truthfully say, that a temperature of 22 degrees above zero gets all tender shoots of the **WHOLE CITRUS FAMILY**, while larger trees of same stock escape. But the sour tree does not seem to be affected by the frost no more than cutting a portion of the top off with a knife—it resumes its growth as though there had been no frost. With the sweet it is quite different, as it is stunted by a heavy freeze, and its growth is **STUNTED** through the next season. We have had five years' experience in propagating the sour orange tree, and again repeat, we recommend it as being by far the hardiest and best stock as a basis for a budded orange grove.

We base these statements after a trial of five years in California, and on the judgment of fruit-growers and nurserymen in Florida. We have had a thorough experience in the matter, and believe we know what we are talking about. We have investigated the sour tree from the wild groves to the best grove in Florida, and we found no one who would admit that budding on the sour stock affected the fruit, although many, when asked, said it improved the fruit—produced smoother and more uniform oranges, thinner rind, finer in texture, etc. We know the best oranges we saw in Florida grew on sour stock. The oldest and best grove in Florida is budded on this stock.

All our trees are raised from seed. We have nothing to do with the China lemon (which is raised from cuttings), lemon, lime and other worthless stocks.

During the past season we have shipped to Florida large quantities of Washington Navel buds. **THESE WE CUT OURSELVES AND KNOW TO BE GENUINE** (from bearing trees). We have had these buds set in 3 and 4 year old stock, both sweet and sour. We expect to deliver trees to our customers in February, March and April, 1888, under our own personal management. We shall notify buyers of exact time of delivery.

We submit the following extract from a letter written us recently by one of the best authorities in the State of Florida, Mr. E. H. Hart, of Federal Point :

"The sour stock is preferred in Florida for budding upon, because it is much less liable to be—I may say scarcely ever—attacked by mal-de-goma, or foot-rot, a disease very destructive to sweet trees. It is also much less likely to be girdled just beneath the surface of the soil by white ants or wood lice, which often destroys sweet trees before you are aware of their presence. . . . The use of the sour does not affect the flavor of the fruit in any detrimental way. ALL the samples I had at the New Orleans Exposition were from sour stock budded, and these took first premium and gold and silver medals for best twenty and ten varieties. . . . Nearly all the nurserymen have come to using sour stock exclusively."

PRICE LIST.

VARIETIES.	Diameter at Base of Stock.	PRICE	Sour Seedlings.				
			Diameter in Inches.	Height before pruning.	Price per 100 Trees.	Price per 1000 Trees.	Price per 5000 Trees.
Washington Navels.	1 1/4 to 1 1/2 in.	\$1 75					
" "	1 to 1 1/4 in.	1 50		2 to 6 in.	\$ 3 00	\$25 00	\$100 00
" "	3/4 to 1 in.	1 25		6 to 12 in.	4 00	30 00	125 00
" "	5/8 to 3/4 in.	1 00		1 to 2 ft.	10 00	75 00	350 00
" "	1/2 to 5/8 in.	85		2 to 3 ft.	15 00	125 00	600 00
Malta Blood, Malta Oval, Jaffa, Ma- jorca, Tangerine, Mediterranean Sweet, Tardiff, and other varieties not mentioned below, same prices and sizes as Washington Navels.				3 to 4 ft.	30 00	250 00	
				1/2 to 5/8 in.	45 00	400 00	
				5/8 to 3/4 in.	55 00	500 00	
				3/4 to 1 in.	70 00	650 00	
				1 to 1 1/4 in.	90 00	850 00	
King Orange	1/2 to 1 in.	2 00	1 1/4 to 1 1/2 in.		100 00	950 00	
Pineapple Orange	1 1/4 to 1 1/2 in.	2 00					
" "	1 to 1 1/4 in.	1 75	Sweet Seedlings.				
" "	3/4 to 1 in.	1 50		3 to 4 ft.	\$ 35 00	\$300 00	
" "	1/2 to 3/4 in.	1 25		1/2 to 5/8 in.	50 00	450 00	
Triumph Grape Fruit.		2 00		5/8 to 3/4 in.	60 00	550 00	
				3/4 to 1 in.	80 00	750 00	
				1 to 1 1/4 in.	95 00	900 00	
				1 1/4 to 1 1/2 in.	110 00	1000 00	
				1 1/2 to 2 in.	135 00	1250 00	

We use the greatest care to see that all our trees are absolutely clean from all insect pests.

Write for further information. All inquiries promptly answered.

FROST & BURGESS,
RIVERSIDE, CALIFORNIA.

EXTRACTS FROM U. S. CONSULAR REPORTS.

Definition from Consul General Richmond, Italy : "ORANGES—The strong or sour orange MELANGOLO (CITRUS BIGARADIA VULGARIS), presents many varieties."

Ditto, from Consul Oppenheim, Cadex, Spain : "4th, the sour orange (NARANJA AGRIA), having a somewhat bitterish acid flavor ; 5th, the sour sweet orange."

Ditto, from Consul Marston, Malaga, Spain : "1. There are three varieties of orange trees, viz., China or sweet oranges, sour or bitter oranges, and acid mandarines."

From the same : "2. The trees are seedlings from sour orange seeds, and are transplanted at one year and grafted the next year."

From Consul Mathews, Tangiers, Morocco : "In recurring to budding, the hardiest stock of all is that of the bitter or sour orange, the most beautiful of the tribe in form, elegance of foliage and abundance of fruit."

From Consular Agent Rayson, Marsala, Italy : "The trees are produced from seeds of bitter orange and budded afterwards."

From Consular Agent Loewenstein, Grao, Spain : "Those raised from the seed of the bitter orange either FRANCO or that called GALLESIO, are more vigorous, more luxuriant, and of longer duration, besides which they better resist the cold, for which reason they are preferred and chosen for the trunks of trees of tall growth."

From Consul Fletcher, Genoa, Italy : "Before the malady GOMMA (gum) manifested itself it was preferred to multiply the trees by burying the ends of the shoots in the ground at proper distance ; these

shoots soon took root, but now the seed of Melangolo is planted, into which, when grown to a certain size, the qualities desired are grafted. The Melangolo tree up to the present time, is in a very healthy state and forms a good trunk in which to graft all varieties required."

From Consul Woodcock, Catania, Italy : "The bitter orange is very hardy, and is adapted to this climate ; it is grown for the purpose of propagating the other varieties by budding or grafting them upon its stock. . . . Some say that varieties of the orange and lemon budded upon the bitter stock will remain fruitful from one to two centuries ; others say from forty to a hundred years. When not thus budded upon the bitter orange stock, but raised from the seed, the trees are short-lived. They become diseased ; a gummy substance exudes from them ; a disease cankerous in nature attacks the wood and they soon die. The bitter orange stock will, without doubt, continue to bear fruit for two centuries."

From Consul General Heap, Constantinople, Turkey : "Lemons are generally propagated first from the seeds of the wild orange, as it has been found that the wild fruit tree bears the cold better."

From Consular Agent Abela, Sidon, Syria : "All these except the last are grafted upon the wild or bitter orange."

From Consul Hoskinson, Kingston, Jamaica, (report of Dr. Neish's lecture) : "Still another instance of the longevity of the orange tree may be mentioned of historical interest, and remarkable as having occurred under artificial conditions. I refer to the bitter-orange tree, familiarly known in France as the Great Constable or Grand Bourbon, which is known to be 463 years old."