

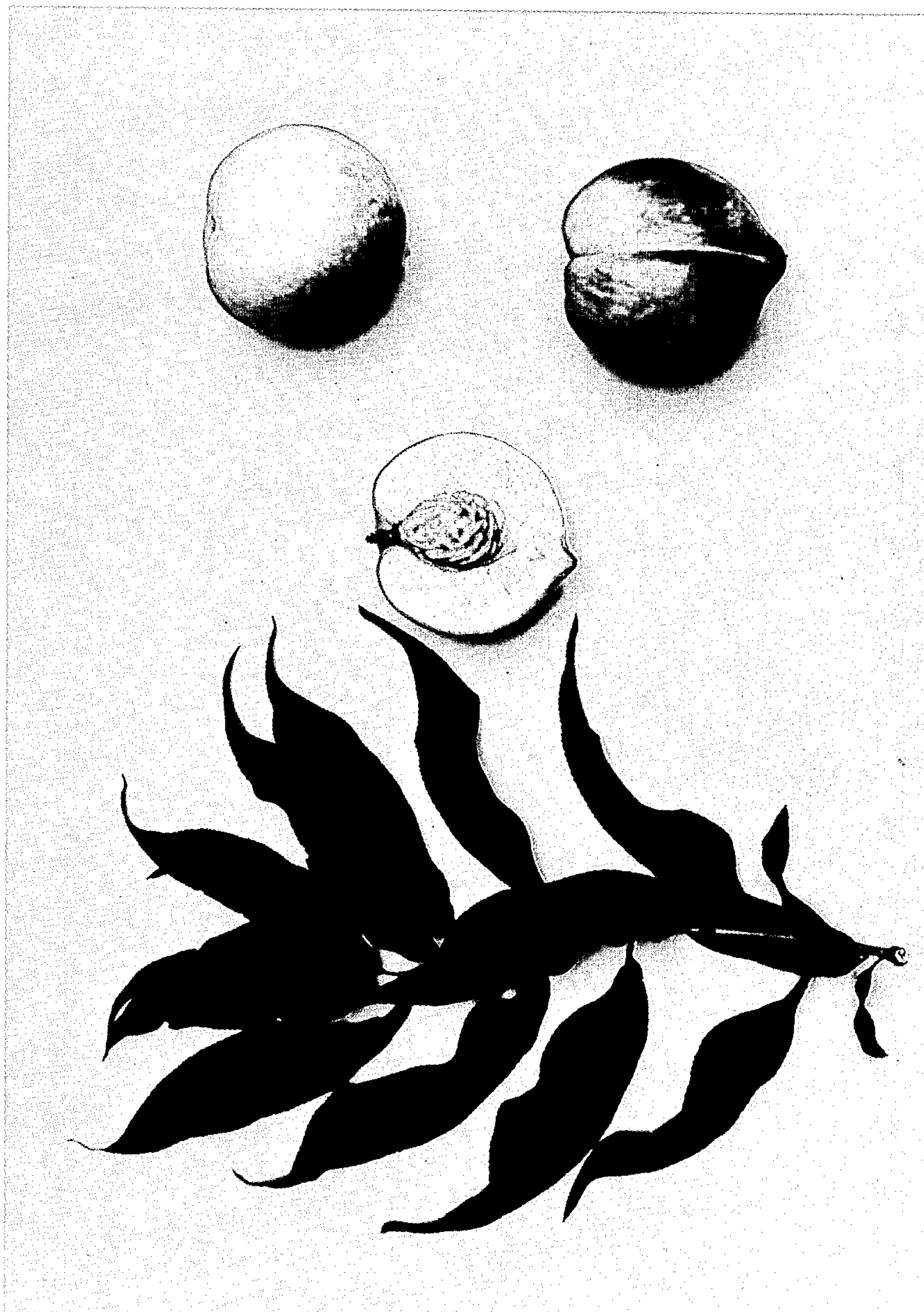
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Plant Pat. 3,179

PEACH TREE

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3,179

PEACH TREE

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1 Claim

The present invention relates to a peach tree and more particularly to a new and distinct variety thereof broadly characterized by its vigorous, regular bearing tree, and its early ripening fruit which is highly colored with red over half or more of its surface and has a distinct yellow color along the suture line, round shaped, relatively large for its season, and has very few split pits.

The instant variety most nearly resembles the Redhaven variety (unpatented) but is an improvement there-

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when rubbed. Vestal has some down, short and scant. Sherrill has moderate down which does not roll up when rubbed.

The flesh of the instant variety has abundant, coarse and medium tough fibers whereas Vestal has few, tender fibers.

The flavor of the instant variety has a delicate flavor. The Vestal variety has a vinous flavor.

The present variety has flesh which clings to the stone except when ripened off the tree, then some are clings and some are partly free. The Vestal stone is semi-free when firm ripe and free when soft ripe. The Sherrill stone clings.

The pits of the instant variety's stone are generally circular whereas those of the Sherrill variety are elongated. These distinctions are columnized as follows:

Characteristic	Instant variety	Vestal variety	Sherrill variety
Tree:			
Productivity	Moderate	Productive	Very productive.
Leaves:			
Margin	Crenate	Finely serrated	Finely serrated.
Glands	3 to 6, average 4.4	0 to 7	3 to 5.
Stipules	On new leaves, falling off early	On new leaves, falling off early	None.
Fruit:			
Maturity	Firm to eating soft ripe, June 6, 1969	Firm ripe, few eating, June 16, 1957	Firm ripe May 28, 1960.
Shape	Variable, generally globose	Ovoid to near globose	Uniform, symmetrical, globose.
Lips	Mostly unequal	Usually unequal	Equal.
Suture	Discontinues near apex, marked depression beyond pistil point.	Slight depression beyond pistil point.	Distinct, shallow, from base to apex.
Cavity	Suture showing both sides	Suture both sides	Suture one side.
Base	Retuse	Retuse	Rounded.
Apex	Pronounced mucronate	Short, mucronate	Prolonged.
Skin:			
Tenacity	Tenacious to flesh	Tenacious except when soft	Free.
Down	Moderate, rolls up when rubbed	Some, scant and short	Moderate, does not roll up when rubbed.
Flesh:			
Fibers	Abundant, coarse, medium tough	Few, tender	Even.
Ripens	Unevenly, earliest at apex and along both lips	Even	Delicate.
Flavor	Sub-acid, delicate	Sub-acid, vinous	
Stone:			
Type	Cling, except when ripened off tree—then some cling and some partly free.	Semi-free when firm ripe, free when soft ripe	Cling.
Form	Obovate	Obovate	Globose.
Surface	Irregularly pitted and furrowed	Pitted throughout, irregularly furrowed	Regularly furrowed.
Pits	Generally circular	Usually circular	Elongated.

on in that it bears fruit which is ten to fourteen days earlier, more round in shape, and has a better color.

The instant variety most nearly resembles Vestal's variety but is an improvement thereon in that it ripens about ten days earlier—the instant variety being firm to eating soft ripe by June 6th and the Vestal variety being firm ripe with few eating ripe by June 16.

The present variety is distinctive from the Vestal and Sherrill (Plant Patents 1,716 and 2,102, respectively) in the following particulars.

The moderately productive tree of the instant variety has crenate leaves, 3 to 6 glands, and bears fruit which ripens unevenly—earliest at the apex and along both lips, is firm to eating soft ripe by June 6. The fruit is of variable shape, generally globose and has a marked suture depression beyond the pistil point and a pronounced mucronate apex. The Vestal variety is a productive tree having finely serrated leaves having 0 to 7 glands. Its fruit ripens evenly with the fruit firm ripe, and a few eating ripe, by June 16—ten days later than the instant variety. Its fruit is ovoid to near globose in shape and has a slight suture depression beyond the pistil point and a short, mucronate apex. The Sherrill variety is a very productive tree with finely serrated leaves bearing no stipules. Its fruit is uniform in shape, ripens evenly and has a distinct shallow suture extending from base to apex with the suture showing on only one side, whereas the instant variety has the suture showing on both sides.

The instant variety has moderate down which rolls up

I discovered the present variety on a farm owned by me at Fresno, Fresno County, Calif., as follows: Several years ago I noticed that one of the Redhaven variety (unpatented) peach trees in an orchard on my said farm had a different limb on it. The leaves and blossoms came on the limb at the same time or slightly earlier than on the other limbs, or the other trees in the orchard. Eventually, the limb budded and produced fruit which came on earlier than the fruit from other limbs on the tree or on other trees in the orchard. The fruit was substantially identical to the Redhaven peach except for its earlier maturity, more distinct yellow color along the suture line, and its size which varies from the same to larger.

Subsequently, I grafted June buds from the limb on other Redhaven trees. The grafts grew well and ultimately yielded fruit which had characteristics identical to the fruit from the original limb.

The accompanying drawing is a color photographic print of a characteristic whole fruit (two views) of the subject new variety showing the shape and skin color, a characteristic fruit divided at its suture plane showing the flesh color and pit, and a characteristic twig with leaves and glands.

Referring now more specifically to the pomological characteristics of this new and distinct variety of peach tree, the following has been observed under the ecological conditions prevailing near Fresno, Fresno County, Calif., and is an outline description thereof. All major color plate identifications are by reference to Maerz and Paul, Dictionary of Color, First Edition.

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Tree

General: Medium size, medium vigorous, vase shaped when pruned, same as Redhaven.

Productivity: Sets fruit moderately but regularly, same as Redhaven.

Trunk: Medium size, shaggy gray, same as Redhaven.

Branches: Medium slender, gray on older branches and brown on younger branches, same as Redhaven.

Lenticels: Medium size, numerous, same as Redhaven.

Leaves: Location, from center portion of terminal shoots 10
30 to 36 inches long; medium size, 4 to 7 inches long,
¾ to 1½ inches wide; lanceolate; tip, acuminate; me-
dium thick; width-length ratio 5 or 6 to 1; class
(Meador & Blake: Proceedings of the American So-
ciety for Horticultural Science, volume 37, page 206) 15
2 and 3; margin crenate; glandular; petiole, medium
size; glands reniform, located at base of leaf and on
petiole, one to three to six average 4.4, stipules on
young leaves, falling off early; color, upper surface dark
green, lower surface light green, veins, very light yel-
lowish green, otherwise generally same as Redhaven.

Flower buds

Medium size, plump, free, pubescent, same as Redhaven.

Flowers

Blooms: Same or slightly earlier than Redhaven, moder-
ately abundant, pollen abundant, same as Redhaven.

Size: Small, same as Redhaven.

Color: Pink with salmon tinge, same as Redhaven.

Fruit (described at maturity)

Maturity: Firm to eating soft ripe, June 6, 1969.

Size: Variable diameter, axially 2¼ to 2¾, mostly 2⅝
inches transverse in suture plane 2⅜ to 3 inches, right
angle to suture plane 2⅞ to 2⅞ inches, generally same
as Redhaven.

Shape: Variable; generally globose on mature fruit; oval
on immature fruit; compressed right angle to suture
plane on very ripe fruit, same as Redhaven.

Suture: A distinct depression which extends from base to
near apex but discontinues at apex and has marked de-
pression beyond pistil point, lips mostly unequal, other-
wise same as Redhaven.

Dorsal surface: Rounded, same as Redhaven.

Cavity: Medium abrupt; elongated in suture plane and
showing on both sides; depth ¼ to ½ inch, breadth ½
to ¾ inch, length averages ¾ inch; yellow brown
color with red blush when exposed to the sun; same as
Redhaven.

Base: Otherwise retuse; same as Redhaven.

Apex: Pronounced mucronate; pistil point, apical, very
short; same as Redhaven.

Stem: Medium size, about ⅛ inch in diameter, and ¼
inch long; adheres frequently to stone; same as Red-
haven.

Skin: Medium thick, medium tough, sweet, tenacious to
flesh; undercolor yellow 9-L-2 with red blush from
light red 1-I-10 to darker red blush 6-L-6 with lighter
red stripes 2-L-10 with deeper yellow 9-L-6 along

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suture; down, moderate, rolls up when rubbed; other-
wise scant; generally same as Redhaven except for
deeper yellow along suture.

Flesh: Color, very light yellow 9-K-2 near stone to light
yellow 9-K-4 nearer skin; amygdalin, moderate; juice,
moderate, rich; texture, generally meaty to melting
when soft ripe; fibers, abundant in amount, course, me-
dium tough, ripens unevenly, earliest at apex and along
both lips; flavor, subacid delicate; firmness, when ship-
ping ripe very firm, when soft ripe melting to slightly
firmer near stone; good eating quality; otherwise sub-
stantially the same as Redhaven.

Stone

Generally: Clings to flesh except when fruit is ripened
off of the tree, then flesh clings in some and in others
is free in part from the stone; otherwise same as Red-
haven.

Size: Medium to small, 1¼ to 1½ inches long, ⅞ to 1
inch wide, ⅝ to ¾ inch thick; same as Redhaven.

Form: Generally obovate, same as Redhaven.

Base: Straight to oblique; same as Redhaven.

Hilum: Oval; same as Redhaven.

Apex: Acuminate, some years more pronounced; same as
Redhaven.

Surface: Irregularly pitted and furrowed, pits generally
circular; same as Redhaven.

Ventral edge: Thick with many fine furrows and with
deep groove on each side; same as Redhaven.

Dorsal edge: Deep groove extending from base half way
more or less to apex; same as Redhaven.

Color: Light tan; same as Redhaven.

Tendency to split: Slight; same as Redhaven.

Use: Local and distant fresh markets, eating quality
good; same as Redhaven.

Although my new variety of peach possesses the de-
scribed characteristics under the growing conditions near
Fresno, Fresno County, Calif. having first been observed
there, it is to be understood that variations of the usual
magnitude in characteristics incident to the growing con-
ditions, fertilization, pruning and pest control are to be
expected.

Having thus described and illustrated my new variety
of peach tree, what is claimed is:

1. A new and distinct variety of peach substantially as
illustrated and described, which is characterized by its
early maturity, approximately two weeks earlier than the
unpatented Redhaven and by fruit having the same gen-
eral characteristics as the Redhaven but deep yellow skin
color along the suture a more pronounced cling stone and
a more pronounced mucronate apex.

References Cited

UNITED STATES PATENTS

P.P. 1,716 6/1958 Vestal ----- Plants—43
P.P. 2,102 11/1961 Sherrill ----- Plants—43

ROBERT E. BAGWILL, Primary Examiner