

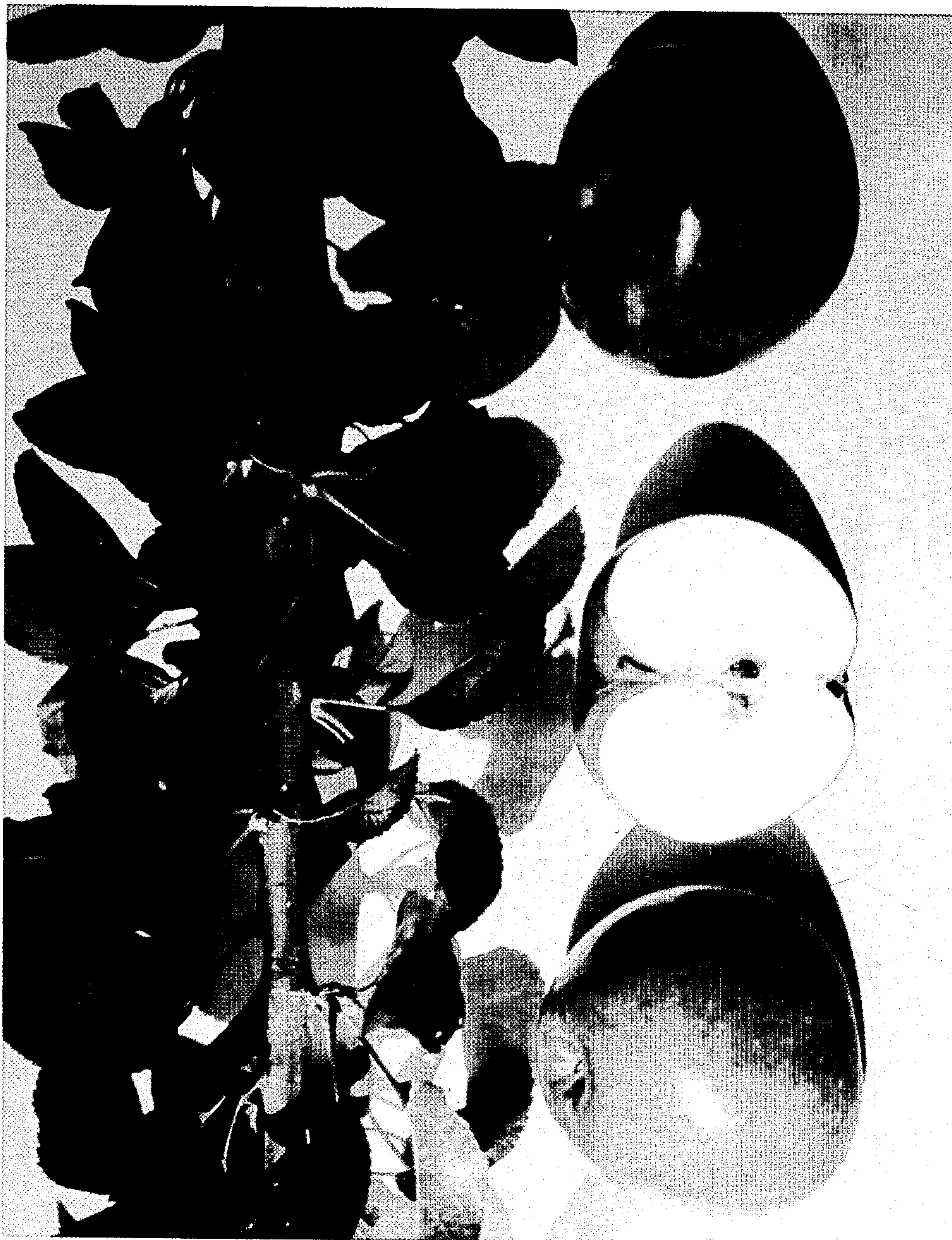
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Plant Pat. 2,313

APPLE TREE

Filed March 19, 1962



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2,313
APPLE TREE

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Bro's Nurseries & Orchards Company, Louisiana, Mo.,
a corporation of Missouri
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1 Claim. (Cl. Plt.—34)

The present invention relates to a new and distinct
variety of apple tree which was discovered by me as a
whole tree bud sport of the well known Winesap va-
riety (unpatented), said discovery having been made in
my cultivated orchard which is located near Naches,
Washington.

At the time of my discovery, I was growing in my
orchard aforesaid apple trees of the standard Winesap
variety, and while engaged in routine inspection of the
orchard, my attention was attracted to one tree which
appeared to have a distinctive spur type of growth that
was quite different from the normal habit of the Wine-
sap variety. Closer and prolonged observation of this
particular tree aforementioned convinced me that it was
a hole tree bud sport of the Winesap variety, and I there-
upon promptly took steps to preserve the same and to
keep it under close observation.

In due course, I asexually reproduced the new sport
by budding, as performed by me in my orchard near
Naches, Washington, and the progeny resulting there-
from, together with continued observations and tests of
the original sport or mother tree over a period of years,
have convinced me and conclusively demonstrated that
the sport is definitely a new and distinct variety, as par-
ticularly evidenced by the following unique combination
of characteristics which are outstanding therein and which
distinguish the sport from the standard Winesap variety,
as well as from all other varieties of which I am aware:

(1) General similarity of the fruit to that of the variety
known as "Stark Red Winesap" (unpatented), also some-
times known as "Virginia Winesap";

(2) A distinctive semi-dwarf tree size, said size being
approximately $\frac{2}{3}$ the size of "Stark Red Winesap";

(3) A distinctive habit of bearing fruit beginning at an
earlier age (about 2 years earlier) than in the case of
"Stark Red Winesap";

(4) Greater productivity; and

(5) A distinctive and more abundant spur type of
growth and development of the fruit.

The accompanying drawing shows typical specimens of
the foliage and fruit of my new variety, as well as a
typical branch section illustrating the fruiting spur
growth, and with one of the fruit specimens shown in
cross-section, all as depicted in color as nearly true as
it is reasonably possible to make the same in a color il-
lustration of this character.

The following is a detailed description of my new
variety, with color terminology in accordance with Ridg-
way's Color Standards and Nomenclature (hereinafter
abbreviated as "Ridgway"), Munsell Color Chart (here-
inafter abbreviated as "Munsell"), and the Horticultural
Colour Guide (hereinafter abbreviated as "HCG"), as
indicated, except where general color terms of ordinary
dictionary significance are obvious:

Location where grown and observed: Pike County, Mis-
souri, and also State of Washington.

Dates of first and last pickings: About October 12 and
about October 18, respectively.

Tree

Medium small size; vigorous; spreading; slow-growing;
hardy; productive; regular bearer.

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Trunk: Medium stocky; smooth.

Branches: Medium thickness; smooth; much-branched.

Color.—Moderate Reddish Brown, Plate 2.5YR 5/5
(Munsell).

Lenticels.—Numerous; medium large.

Leaves: Medium large; medium width; medium short;
ovate; taper-pointed; thick; rugose.

Average length.— $3\frac{1}{2}$ inches.

Average width.— $1\frac{15}{16}$ inches.

Color.—Grayish Olive Green, Plate 2.5GY 3/1
(Munsell).

Margin.—Coarsely serrate.

Petiole.—Medium long; thick. Length— $1\frac{1}{2}$ inches.

Flowers

Dates of first and full bloom: About May 3 and about
May 12, respectively; medium late as compared with
other varieties.

Color: Mostly white, with Strong Purplish Pink, Plate
7.5RP 7/10 (Munsell) areas on under (outer) surface.

Fruit

Maturity when described: Eating hard ripe.

Size: Uniform.

Axial diameter.—About $2\frac{3}{8}$ inches.

Transverse diameter.—About $2\frac{3}{4}$ inches.

Form: Oblong or slightly conical.

Cavity: Symmetrical; rounded at base; acute; undulate;
pubescent toward apex.

Basin:

Depth.—About $\frac{9}{16}$ inch.

Breadth.—About $1\frac{1}{8}$ inches.

Markings.—Color—Rainette Green, Plate XXXI,
Color No. 27", tone i (Ridgway).

Stem: Medium stout; pubescent.

Length.—About $\frac{9}{16}$ inch.

Breadth.—About $\frac{1}{16}$ inch.

Markings.—Color—Moderate Red, Plate 2.5R 4/10
(Munsell).

Calyx: Closed; segments persistent; acute; about $\frac{1}{4}$ inch
long; approximate; reflexed from base at apex; both
outer and inner surfaces pubescent.

Skin: Thick; tough; dull; waxed.

Dots.—Conspicuous; few; small; even; ruptured; cir-
cular. Color—Pale Ochraceous Buff, Plate XV,
Color No. 15', tone f (Ridgway). Distribution—
most numerous in upper middle section.

Ground color.—Primrose Yellow, Plate 601/2, page
65, vol. I (HCG).

Color of markings.—Striped. Color—Delft Rose,
Plate 020, page 108, vol. 2 (HCG), overlaid with
darker stripes of Currant Red, Plate 821, page 167,
vol. 2 (HCG).

Bloom: Wanting.

Scarfskin: Wanting.

General color effect: Dark Red.

Flesh: Rather juicy.

Color.—Dull white, with yellowish tint tinged with
red in vascular bundles.

Texture.—Firm; tender; fine.

Flavor.—Subacid.

Aroma.—Wanting.

Quality.—Good.

Core: Distant.

Bundle area.—Small; cordate; symmetrical at base;
acute at base.

Halves of core.—Equal.

Bundles.—Inconspicuous. Color—green tinge.

Core lines.—Clasping; indistinct in cross section.

Carpellary area.—Indistinct; small.

Calyx tube.—Pubescent toward base; funnel form;

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stem of funnel long. Depth of tube to shoulder—about $\frac{3}{16}$ inch. Entire depth—about $\frac{1}{16}$ inch.

Styles.—Present; distinct toward base; pubescent toward base.

Stamens.—In two distinct whorls; median.

Seed cells.—Axile; open. Cell walls—thin; tough; length—about $\frac{1}{16}$ inch; breadth—about $\frac{1}{4}$ inch. Longitudinal section—oval; obtuse at apex. Cross section—broad. Surface—fissured.

Seeds:

Average number.—From 6 to 8 perfect; about 2 imperfect; 2 per cell. Length—about $\frac{5}{16}$ inch.

Breadth—about $\frac{3}{16}$ inch.

Color.—Moderate Brown, Plate 5YR 3/3 (Munsell).

Use: Market; culinary.

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Keeping quality: Good; about 150 days in ordinary storage.

I claim:

A new and distinct variety of apple tree, substantially as herein shown and described, characterized particularly as to novelty by the unique combination of general similarities to the variety "Stark Red Winesap" (unpatented), but being distinguished therefrom by its smaller, semi-dwarf tree size, a distinctive habit of bearing fruit beginning at an earlier age, greater productivity, and a distinctive spur type of growth and development of its fruit.

No references cited.