

[54] GRAPEVINE

[76] Inventor: **Fay E. Triplett**, 749 E. Keyes Road, Ceres, Calif. 95307

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Primary Examiner—Robert E. Bagwill  
Attorney, Agent, or Firm—Roger B. Webster

[57] ABSTRACT

A table-wine variety of grapevine which is vigorous, semi-upright, open, hardy, foliated with medium-size, cordate leaves, and very productive on straight, medium length, medium thick canes, of medium-to-large size, medium length, broad, tapering, regular, loose-to-compact clusters having long stems; the clusters—borne two to three per cane—being short conical in form, and the berries of the clusters being ellipsoidal, strongly adherent, medium size, uniform, black with a thick blue-grey bloom, and having translucent, juicy, greenish flesh, the flesh, of good quality for wine production, being soft, tender, sub-acid, and vinous.

1 Drawing Figure

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BACKGROUND OF THE VARIETY

In contemplation of the need for improved table-wine varieties of grapevines, I have—in my vineyard located near Ceres, Stanislaus County, Calif.—undertaken experimental breeding of grapevines for such purpose. The present variety resulted from my endeavors in conducting such experimental breeding program.

ORIGIN OF THE VARIETY

The present variety of grapevine was originated by me in my aforesaid vineyard as a first generation cross of Ruby Cabernet × Barbera (both unpatented).

ASEXUAL REPRODUCTION OF THE VARIETY

Subsequent to its origination by me, I asexually reproduced the present variety of grapevine in my vineyard, located as aforesaid, by cuttings as well as top-working, and—in maturity—such reproductions ran true to the original grapevine in all respects.

SUMMARY OF THE VARIETY

The present table-wine variety of grapevine is vigorous, semi-upright, open, hardy, foliated with medium-size, cordate leaves, and very productive on straight, medium length, medium thick canes, of medium-to-large size, medium length, broad, tapering, regular, loose-to-compact clusters having long stems; the clusters—borne two to three per cane—being short conical in form, and the berries of the clusters being ellipsoidal, strongly adherent, medium size, uniform, black with a thick blue-grey bloom, and having translucent, juicy, greenish flesh; the flesh, of good quality for wine production, being soft, tender, sub-acid, and vinous.

Further, the present variety of grapevine is in harvest relatively early (i.e., medium) so that it rarely encounters rainfall. Additionally, as the stems of the clusters are quite long, hand harvesting by pickers is facilitated.

The present variety of grapevine has certain distinctive characteristics, in comparison to the Ruby Cabernet, as follows:

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	Present Variety	Ruby Cabernet
<b>VINE:</b>	Very productive	Productive
<b>TRUNK:</b>	Medium	Large - medium
Bark	Adherent	Long and fissured to stringy
<b>CANES:</b>	Medium thickness	Thick
Internodes	Medium length	Short to medium length
Tendrils	Medium to long	Short to medium length
	Occasionally trifurcated	Bifurcated
	Often functional	Rarely functional
<b>LEAVES:</b>		
Inferior Sinus	Medium depth and width	Deep
	Occasionally sinus nearly absent	
Superior Sinus	Medium depth and width	Deep
	Frequently toothed	Occasionally toothed
<b>FRUIT:</b>		
Average Date Of Ripening Season	September 15 - 30	September 25 - October 10
	Medium	Medium to late
<b>CLUSTERS:</b>	Medium to large	Small to medium
Average weight	554 grams	289 grams
Range	300 - 690 grams	225 - 305 grams
Average length	18 cm.	15.5 cm.
Average width	14.5 cm.	10.5 cm.
	Conical	Long conical
	Loose to compact	Loose to well-filled
	Frequently winged or double-clustered	
<b>PEDUNCLE:</b>		
	Long - 5 - 9 cm.	Short - 1 - 4 cm.
	Partly lignified	Often lignified
	Not difficult to cut	Difficult to cut
<b>BRUSH:</b>		
Color	Deep wine	Deep wine to maroon
<b>BERRIES:</b>		
	Strongly adherent	Adherent
	Medium size - 2.0 per berry	Medium size - 2.73 grams per berry
	Ellipsoidal	Round to ellipsoidal
	Very good quality	Good quality
<b>SEEDS:</b>		
	Cuneate	Cuneate
	Rounded	Flattened
	Faintly notched	
Beak	Medium	Short
	Slightly curved	Curved
Color	Brown	Light brown, with yellowish green tinge
Raphe	Medium	Obscure
Chalaza	Centrally located to below center	Centrally located
	Elongated	Slightly sunken
	Sunken	



## BRIEF DESCRIPTION OF THE DRAWING

The drawing is an illustration, by photographic reproduction in color, of grape clusters, and leaves.

## DESCRIPTION OF THE VARIETY

The botanical details of this new and distinct variety of grapevine—with color definitions (except those in common color terms) referenced to Maerz and Paul Dictionary of Color—are as follows:

## Vine:

*Vigor.*—Vigorous.

*Growth.*—Semi-upright.

*Density.*—Open.

*Hardiness.*—Hardy.

*Productivity.*—Very productive.

Trunk: Medium size. Medium caliber.

*Bark.*—Adherent. Shreddy.

Canes: Medium length. Medium number. Medium thickness. Tannish brown (14-j-10). Straight.

*Nodes.*—Angular.

*Internodes.*—Medium length.

*Tendrils.*—Intermittent. Medium thickness. Medium to long. Bifurcated. Occasionally trifurcated. Often functional. Smooth.

Flowers: Fertile.

*Blooming Period.*—Medium—May 15—May 30.

*Stamens.*—Upright.

Leaves: Medium size.  $W \times L = 254.0$  sq. cm. W/L ratio 1.37. Cordate. Medium thickness.

*Color.*—Upper Surface—Glossy dark green (24-L-8). Lower Surface—Pale green (22-J-7).

*Texture.*—Medium.

*Pubescence.*—Very short, fine hairs on veins. Fine, interlacing hairs in interveinal areas.

*Lobes.*—Number—5. Terminal Lobe—Acuminate—frequently obtuse.

*Petiole Sinus.*—Deep. Frequently toothed. Narrow to closed. Often overlapping.

*Inferior Sinus.*—Medium depth. Medium width. Frequently toothed.

*Superior Sinus.*—Medium depth. Medium width. Frequently toothed.

*Margin.*—Dentate.

*Teeth.*—Medium depth. Medium width.

## Fruit:

*Date of Ripening.*—September 15–30 depending on seasonal conditions.

*Season.*—Medium.

*Keeping Quality.*—Good.

*Shipping Quality.*—Good.

*Cluster.*—Medium to large size. 2 – 3 per cane.

Weight per cluster—300–690 grams. Medium length—average 18 cm. Broad—average—14.5

cm. Tapering. Short conical. Regular. Shouldered—frequently winged or double-clustered. Loose to compact.

*Peduncle.*—Long—6–9 cm. Medium thickness.

*PediceL.*—Medium length. Medium thickness.

Warts.

*Brush.*—Medium length—5 mm. Wine color.

*Berries.*—Strongly adherent. Medium size—205.5 grams per 100 berries. Uniform. Ellipsoidal.

*Color.*—Black to deep bluish purple (48-A-12), with thick blue-grey bloom (37-F-4).

*Skin.*—Thick. Tough. Adheres to pulp.

*Flesh.*—Greenish. Translucent. Soft. Juicy. Vinous.

*Quality.*—very good.

*Test Averages.*—Sugar Content (Balling)—22.7.

Total Acid (Grams per 100 cc.)—1.09.

pH—3.34. The berries of the present variety

attain a desirable sugar content without lowering

the acid or raising the pH excessively; these

factors being most favorable in a table-wine vari-

ety of grapevine. The wines made from this grape

score very highly in the tastings conducted by

expert wine tasters.

*Seeds.*—Separate from pulp with difficulty. Aver-

age number—226 per 100 berries. Medium size.

Medium length. Medium breadth. Cuneate.

Weight—2.74 grams per 100 seeds. Rounded—

lower end rounded, faintly, notched.

Beaked—medium size, slightly curved. Brown

(8-C-12).

*Raphe.*—Medium.

*Chalaza.*—Medium to below center. Oval, or ellip-

soidal elongated. Distinct. Sunken.

*Use.*—Table wine.

The grapevine and its fruit herein described may vary in slight detail due to climatic and soil conditions under which the variety may be grown; the present description being of the variety as grown in the Central Valley of California.

I claim:

1. A new and distinct table-wine variety of grapevine, substantially as illustrated and described, which is vigorous, semi-upright, open, hardy, foliated with medium-size, cordate leaves, and very productive on straight, medium length, medium thick canes, of medium-to-large size, medium length, broad, tapering, rugose, loose-to-compact clusters having long stems; the clusters—borne two to three per cane—being short conical in form, and the berries of the clusters being ellipsoidal, strongly adherent, medium size, uniform, black with a thick blue-grey bloom, and having translucent, juicy, greenish flesh, the flesh, of good quality for wine production, being soft, tender, sub-acid, and vinous; the variety being more productive, with larger clusters, and ripening earlier than the Ruby Cabernet.

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F. E. TRIPLET  
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