

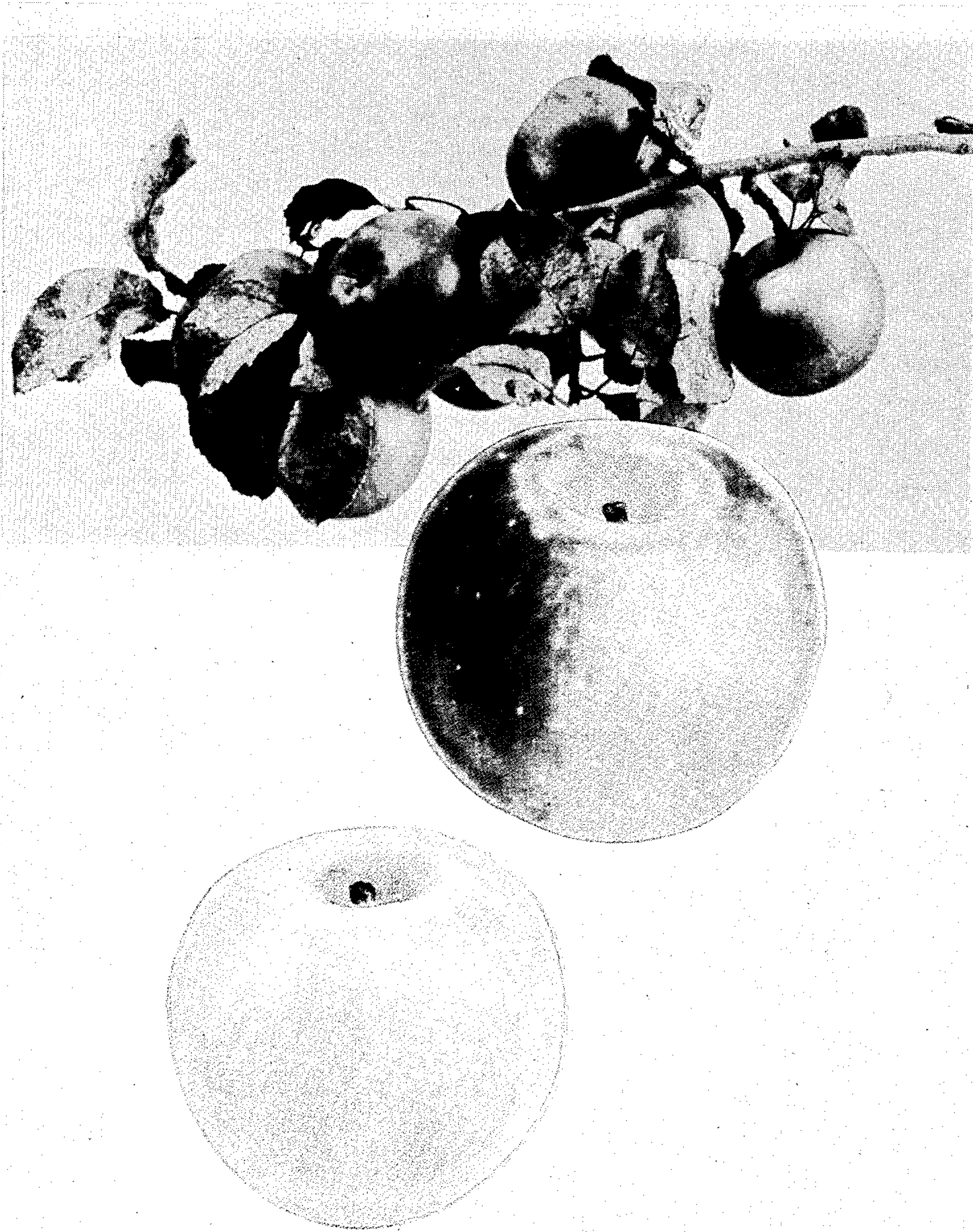
March 10, 1936.

L. BALDERSTON, 3D

Plant Pat. 168

APPLE TREE

Filed Oct. 29, 1935



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UNITED STATES PATENT OFFICE

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APPLE TREE

Lloyd Balderston, 3d, Colora, Md., assignor to
Bountiful Ridge Nurseries, Princess Anne, Md.

Application October 29, 1935, Serial No. 47,321

1 Claim. (Cl. 47—62)

The present discovery relates to a new and distinct variety of apple tree, a red bud sport of the well known commercial York Imperial.

5 The fruit of this improved type of York is characterized by its high or bright red color as compared with the normal type and by the fact that this color develops at least two weeks earlier than the known variety grown under comparable conditions.

10 It is to be understood that the original tree representing this new variety was discovered as a single tree in an orchard of York Imperials planted as such and it possesses in all respects the same characteristics as the York Imperial excepting as regards the color and coloring of the fruit. Careful examination indicates that the entire tree is a bud sport of the regular York Imperial and asexual reproductions from the original tree show that the varietal distinctions above mentioned are transmitted to the progeny.

20 Taking the present season as a basis for comparison of the varietal distinctions, the present mutation started to color about August 1, whereas the surrounding York Imperials started to put on their first color about August 12, nearly two weeks later, and in picking specimens of apples from the new variety on September 2, the fruit on the entire tree was sufficiently colored to more than pass the U. S. #1 grade, whereas hardly any fruit on the adjoining York Imperials could pass that grade.

30 In further reference to the coloring of the fruit, it is notable that the present sport presents a solid (or blushed) red color, whereas the ordinary York is striped. The comparison between the new variety sport and the regular York Imperial is clearly shown in the drawing annexed hereto in which the upper illustration of the apple in color is a reproduction of the new variety and the lower illustration illustrates a specimen of the regular York.

45 The drawing also includes a reproduction of a branch of the new variety showing the grouping of the apples and the foliage of the tree.

50 The specimens hereinafter described were grown at Colora, Maryland, where the picking was made on October 7, 1935, though the fruit showed sufficient coloring for picking on September 27, 1935.

The following is a detail description of the new variety, all references to color being in accordance with the Munsell Color System.

- Tree: 5
 - Large to medium,
 - Medium to vigorous,
 - Upright and spreading,
 - Tall,
 - Open, round-topped,
 - Rapid growing, 10
 - Half-hardy,
 - Productive,
 - Biennial bearing.
- Trunk: 15
 - Stocky,
 - Shaggy.
- Branches:
 - Thick,
 - Shaggy,
 - Much branching, 20
 - Brown to grey color.
- Lenticels—
 - Medium number,
 - Medium size. 25
- Leaves:
 - Length—3¼ inches,
 - Width—2⅛ inches,
 - Medium size,
 - Medium width, 30
 - Medium length,
 - Oval to ovate,
 - Abruptly pointed,
 - Thick,
 - Medium to dark green color, 35
 - Rugose.
- Margin—
 - Crenate,
 - Coarsely serrate.
- Petiole— 40
 - Length—7/8 inch,
 - Medium to short,
 - Medium thickness.
- Flowers:
 - Dates of first and full bloom varies from 45
 - season to season and location; same as
 - Golden Delicious and York Imperial; 3
 - days later than Staymans, Grimes,
 - Wealthy and Delicious.
 - Medium size, 50
 - Pink to white color.

	Fruit:		General color effect—medium to bright solid red.
	Maturity when described—Eating hard, under-ripe,		Flesh:
	Date—September 9, 1935 to September 27, 1935.	5	Rather dry.
	Size:		Color of flesh—satiny, white with yellowish tint.
	Uniform to variable,		Texture—firm, little coarse, crisp.
	Axial diameter—2½ inches,		Flavor—subacid, mild; sprightly.
	Transverse—2¾ inches.		Aroma—distinct.
10	Form:		Quality—good. 10
	Irregular,		Core:
	Oblique,		Median, distant.
	Oblate,		Bundle area (longitudinal section)—medium,
	Ribbed.		broadly ovate, symmetrical to unsymmetrical at base; in bundle alternate with cell.
15	Cavity—		Halves of area—unequal. 15
	Symmetrical, rounded,		Bundles—green, conspicuous, in two whorls.
	Flaring toward apex,		Alternate bundle—approximate to calyx—
	Acute to acuminate,		tube, reaches tube below stamens.
	Even, undulate,		Core lines—clasping. 20
20	Depth—5/8 inch,		In cross section—distinct.
	Breadth—1¼ inches,		Carpellary area—indistinct, large.
	Markings—green and partly russeted.		Calyx-tube—pubescent, apex funnel-form.
	Basin—		Stem entire depth—¾ inch.
	Symmetrical to unsymmetrical,		Styles—present, distinct and pubescent to-
25	Abrupt at base to rounded,		ward base, apex at point of branching throughout. 25
	Wide, furrowed, glabrous,		Stamens—in one whorl, basal, median.
	Depth—¼ inch,		Auxiliary cavity—present.
	Breadth—1⅓ inches.		Seed cells—axile, open. 30
	Stem:		Cell walls—approximate, thin, tough.
30	Medium, pubescent,		Length—approximately ¾ inch.
	Length—½ inch,		Breadth—7/16 inch.
	Breadth—3/2 inch,		Longitudinal section—broadly ovate, obtuse
	Markings—green—pubescent.		at apex. 35
	Calyx:		Surface—fissured, tufted.
35	Open to closed,		Cross section—broad to narrow.
	Segments persistent,		Seeds:
	Broadly-lanceolate,		Number perfect—350.
	Acuminate,		Imperfect—68. 40
	Length—3/8 inch approximately,		Largest—3/8 inch by 1/4.
40	Ascending, approximate,		Number in one cell—2.
	Reflexed from base at apex,		Length—1½ inch.
	Pubescent outer surface,		Breadth—7/2 inch.
	Pubescent inner surface.		Form—acuminate, obtuse. 45
	Eye:		Color—medium brown.
45	Medium size,		Use:
	Partially closed.		Market, culinary.
	Skin:		Keeping quality:
	Thick, tough, smooth,		Good. 50
	Glossy, waxed.		Number of days in ordinary storage—October
50	Dots—conspicuous, many, large and small,		to March and as late as July.
	even and raised, sometimes ruptured,		Resistance to:
	aerolar and angular-stellate.		Insects—good to medium.
	Color of dots—light and russet.		Diseases—good to medium. 55
	Distribution of dots—few at cavity, more		Same as York.
55	concentrated at apex.		I claim:
	Ground color—light yellow to green.		A new and distinct variety of apple tree, as
	Color markings—mottled, self-colored,		shown and described, characterized by the bright
	bright.		red solid or blushed color of its fruit and the
60	Color of markings—solid color. Scarfskin		early development of such coloring. 60
	at cavity.		
	Bloom—scant.		
	Scarfskin—gray-white, light, distribution at		
	cavity.		

LLOYD BALDERSTON, III.