



(12) **United States Plant Patent**
Caster et al.

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(54) **BLUEBERRY PLANT NAMED**
‘DRISBLUETHIRTEEN’

(50) Latin Name: *Vaccinium corymbosum* L.
Varietal Denomination: **DrisBlueThirteen**

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patent is extended or adjusted under 35
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A01H 5/08 (2006.01)

(52) **U.S. Cl.**
USPC **Plt./157**

(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct variety of blueberry plant named ‘Dris-
BlueThirteen’ particularly distinguished by having a very
long harvest season, very low chilling requirement and sweet,
firm berries with low acidity, is disclosed.

2 Drawing Sheets

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Genus and species: *Vaccinium corymbosum* L.
Variety denomination: ‘DrisBlueThirteen’.

BACKGROUND OF THE NEW PLANT

The invention relates to a new and distinct blueberry vari-
ety designated ‘DrisBlueThirteen’ and botanically known as
Vaccinium corymbosum L. This new blueberry variety was
discovered in Santa Cruz County, Calif. in September 1997
and originated from a cross between the proprietary female
parent blueberry plant ‘FL 84-40’ (unpatented) and the pro-
prietary male parent blueberry plant ‘FL 96-26’ (unpatented).
The original seedling of the new variety was first asexually
propagated via softwood cuttings at a nursery in Monterey
County, Calif. in 1997. ‘DrisBlueThirteen’ was subsequently
asexually propagated via softwood cuttings and underwent
further testing at a nursery in Santa Cruz County, Calif. for
fourteen years (1999-2012). The present invention has been
found to be stable and reproduce true to type through succes-
sive asexual propagations via softwood cuttings.

Plant Breeder’s Rights for this variety have not been
applied for. ‘DrisBlueThirteen’ has not been made publicly
available or sold more than one year prior to the filing date of
this application.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing
characteristics of this new cultivar when grown under normal
horticultural practices in Santa Cruz County, Calif.

1. Very long harvest season;
2. Very low chilling requirement; and
3. Sweet, firm berries with low acidity.

DESCRIPTION OF THE PHOTOGRAPHS

This new blueberry plant is illustrated by the accompany-
ing photographs which show fruit of the plant as well as the

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flowers and leaves. The colors shown are as true as can be
reasonably obtained by conventional photographic proce-
dures. The photographs are of plants that are thirteen years
old.

FIG. 1 shows a close-up of clusters of flower buds and an
opened flower.

FIG. 2 shows a close-up of the leaves.

FIG. 3 shows a close-up of the whole fruit and a cross-
section of the fruit.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed description sets forth the distinctive
characteristics of ‘DrisBlueThirteen.’ The data which define
these characteristics is based on observations taken in Santa
Cruz County, Calif. from 1999-2012. This description is in
accordance with UPOV terminology. Color designations,
color descriptions, and other phenotypical descriptions may
deviate from the stated values and descriptions depending
upon variation in environmental, seasonal, climatic and cul-
tural conditions. ‘DrisBlueThirteen’ has not been observed
under all possible environmental conditions. The botanical
description of ‘DrisBlueThirteen’ was taken from 13 year-old
plants. Color references are primarily to The R.H.S. Colour
Chart of The Royal Horticultural Society of London (R.H.S.)
(2007 edition). Descriptive terminology follows the *Plant*
Identification Terminology, An Illustrated Glossary, 2nd edi-
tion by James G. Harris and Melinda Woolf Harris, unless
where otherwise defined.

DETAILED BOTANICAL DESCRIPTION

Classification:

Family.—Ericaceae.

Botanical.—*Vaccinium corymbosum* L.

Common name.—Blueberry.
Variety name.—‘DrisBlueThirteen’.

Parentage:
Female parent.—The proprietary blueberry plant ‘FL 84-40’ (unpatented). 5
Male parent.—The proprietary blueberry plant ‘FL 96-26’ (unpatented).

Plant:
Size.—Medium.
Height.—145.1 cm. 10
Width.—165.9 cm.
Length/width ratio.—0.9.
Plant vigor.—Medium.
Growth habit.—Upright to semi-erect. 15
Productivity.—Medium to low.
Cold hardiness.—High.
Chilling requirement.—Very low.
Propagation.—Soft wood cuttings.
Time of vegetative bud burst.—Very early. 20
Fruiting type.—Only on one-year-old shoots.
Cane renewal.—Strong.
Internode length (upper half on one-year old shoot).—19.6 mm.
One-year old canes (young canes).—Length: 96.0 cm. 25
Diameter at the base: 7.3 mm. Diameter at the tip: 2.1 mm. Texture: Smooth. Color (One-year old shoot, branch and canes): RHS 145A (Medium yellow-green) and RHS 175A (Dark greyed-orange).
Five-year old canes (mature canes).—Length: 147.0 30
cm. Diameter at the base: 23.0 mm. Diameter at the tip: 3.8 mm. Texture: Rough. Color: RHS 199B (Medium greyed-brown).

Leaves:
Length.—Medium; 6.6 cm. 35
Width.—Medium; 3.64 cm.
Length/width ratio.—1.8; Longer than broad.
Appearance of leaf bud.—Very early.
Shape.—Elliptic.
Apex.—Acute. 40
Base.—Cuneate.
Margin.—Entire.
Glossiness.—Glossy.
Pubescence.—Glabrous (Absent).
Sheath.—Absent. 45
Arrangement.—Alternate.
Venation.—Reticulate.
Color.—Upper surface: Dark; RHS N137A (Dark green). Lower surface: Light; RHS N138D (Light green). Internode length (One-year old shoot, upper 50
half): Medium.

Petiole:
Length.—4.3 mm.
Diameter.—1.86 mm.
Color.—RHS 138C (Medium green). 55

Flowers:
Length (excluding peduncle).—Medium; 9.84 mm.
Diameter.—7.48 mm.
Length/width ratio.—1.3.
Color.—RHS 157C (Green-white). 60
Flower bud.—Length: 7.2 mm. Width: 4.1 mm. Number of flowers per bud (buds per inflorescence): 3. Anthocyanin coloration: Very strong; RHS 61A (Dark red-purple). Color on immature buds: Dark; RHS 61A (Dark red-purple). Color on mature buds: Light; RHS 65
142C (Light green).

Petal width.—4.3 mm.
Fragrance.—Medium.
Time of beginning flowering on one-year shoot.—Very early.
Time of flowering (50% antithesis or full bloom).—Very early.
Pedice.—Length: 7.08 mm. Diameter: 1.00 mm. Color: RHS 142B (Medium green).
Corolla.—Diameter of corolla tube: 7.48 mm. Height of corolla tube: 9.84 mm. Aperture diameter: 4.08 mm. Shape: Urceolate (Urn-shaped). Size of corolla tube: Medium. Anthocyanin coloration of corolla tube: Weak; RHS 63B (Medium red-purple). Ridges on tube: Present.
Peduncle.—Length: 58.46 mm. Surface texture: Smooth. Color: RHS 142B (Medium green).
Reproductive organs:
Style length (including stigma).—Medium; 7.65 mm.
Style color.—RHS 143D (Medium green).
Pollen amount.—Low.
Pollen color.—RHS 4D (Light yellow).
Pollination requirement.—Intermediate.
Anther color.—RHS 164A (Medium greyed-orange).
Ovary color.—RHS 189B (Medium greyed-green).
Fruit:
Size.—Medium.
Length.—12.30 mm.
Width.—16.74 mm.
Length/width ratio.—0.7.
Fruit pedicel diameter.—1.31 mm.
Cluster density.—Sparse or low.
Shape in longitudinal sections.—Oblate.
Intensity of green color (immature fruit with bloom).—Medium; RHS 191B (Medium greyed-green).
Color of skin (immature fruit without bloom).—RHS N77B (Medium purple).
Color of skin (mature fruit without bloom).—RHS 103A (Dark blue).
Color of skin (mature fruit with bloom).—RHS 98C (Medium violet-blue).
Intensity of bloom (mature fruit).—Weak.
Attitude of sepals.—Erect (straight).
Calyx.—Diameter of basin: Small; 7.81 mm. Depth of basin: Shallow.
Flesh color.—RHS 144D (Light yellow-green).
Firmness.—Firm.
Sweetness.—Medium.
Acidity.—Low.
Harvest season length.—Very long.
Harvest interval.—Early June-mid-December.

Seeds:
Length.—1.75 mm.
Width.—0.79 mm.
Length/width ratio.—2.2.
Abundance.—Medium.
Color.—RHS N172D (Medium greyed-orange).

Resistance to pests and diseases: Data not available.

COMPARISON WITH PARENTAL AND COMMERCIAL VARIETIES

‘DrisBlueThirteen’ differs from the female parent ‘FL 84-40’ (unpatented) in that the berries of ‘DrisBlueThirteen’ seem to be more firm than the berries of ‘FL 84-40’.

‘DrisBlueThirteen’ differs from the male parent ‘FL 96-26’ (unpatented) in that the berries of ‘DrisBlueThirteen’ seem to be more firm than the berries of ‘FL 96-26’.

‘DrisBlueThirteen’ is similar to commercial variety ‘Dris-BlueFour’ (U.S. Plant Pat. No. 24,407). ‘DrisBlueThirteen’ differs from ‘DrisBlueFour’ in that ‘DrisBlueThirteen’ has medium to low productivity, high cold hardiness and strong cane renewal, whereas ‘DrisBlueFour’ has high productivity, medium cold hardiness and medium cane renewal. Additionally, ‘DrisBlueThirteen’ has fruit with a sparse to low cluster density and a weak intensity of bloom on mature fruit, whereas ‘DrisBlueFour’ has fruit with a medium cluster density and a very strong intensity of bloom on mature fruit.

‘DrisBlueThirteen’ is similar to commercial variety ‘Dris-BlueFive’ (U.S. Plant Pat. No. 24,489). ‘DrisBlueThirteen’ differs from ‘DrisBlueFive’ in that ‘DrisBlueThirteen’ has medium plant vigor, an upright to semi-erect growth habit and high cold hardiness, whereas ‘DrisBlueFive’ has strong plant vigor, a semi-erect growth habit and medium cold hardiness. Additionally, ‘DrisBlueThirteen’ has medium sized fruit and erect sepals, whereas ‘DrisBlueFive’ has medium to large sized fruit and incurving and erect sepals.

We claim:

1. A new and distinct variety of blueberry plant named ‘DrisBlueThirteen’ as shown and described herein.

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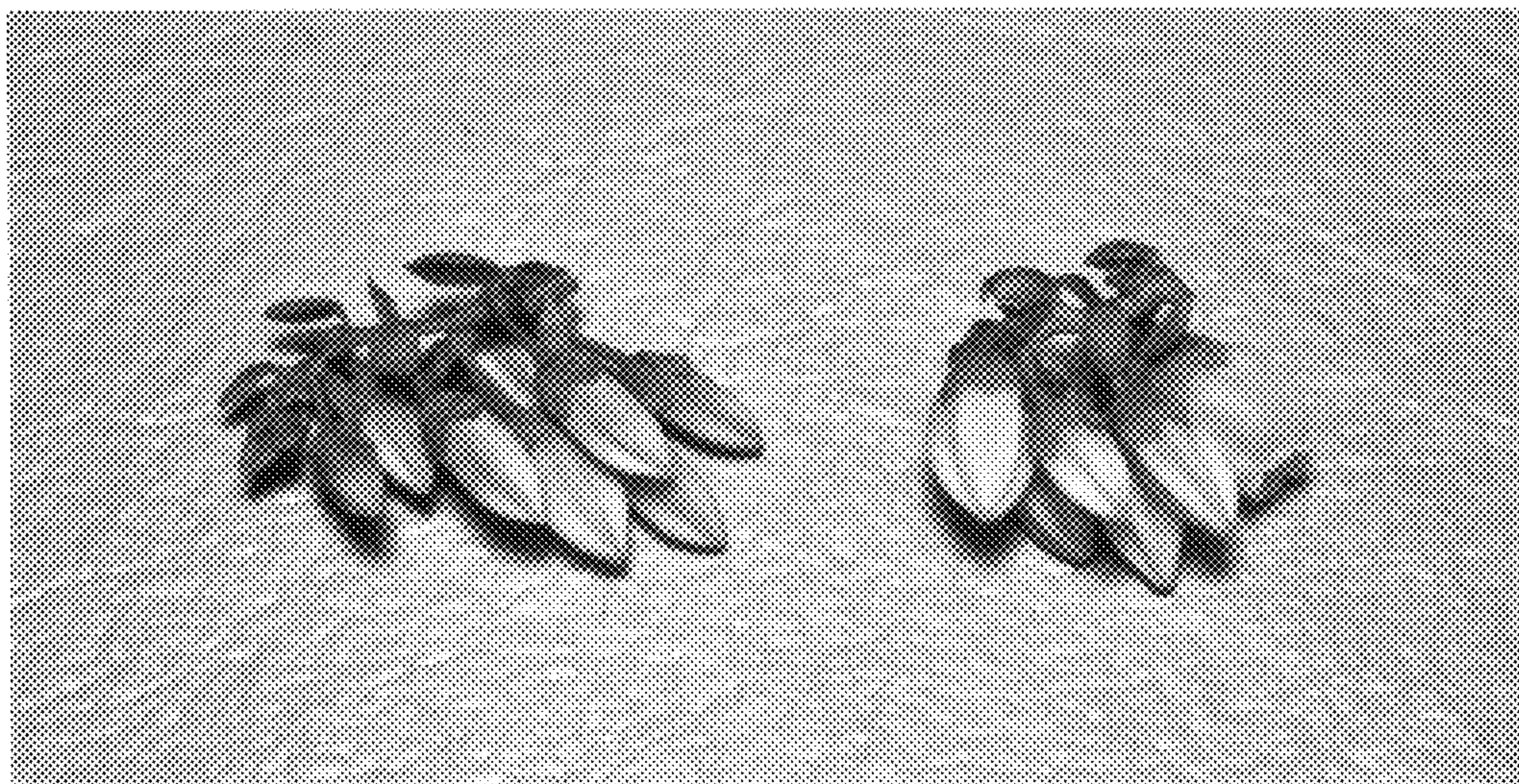


FIG. 1

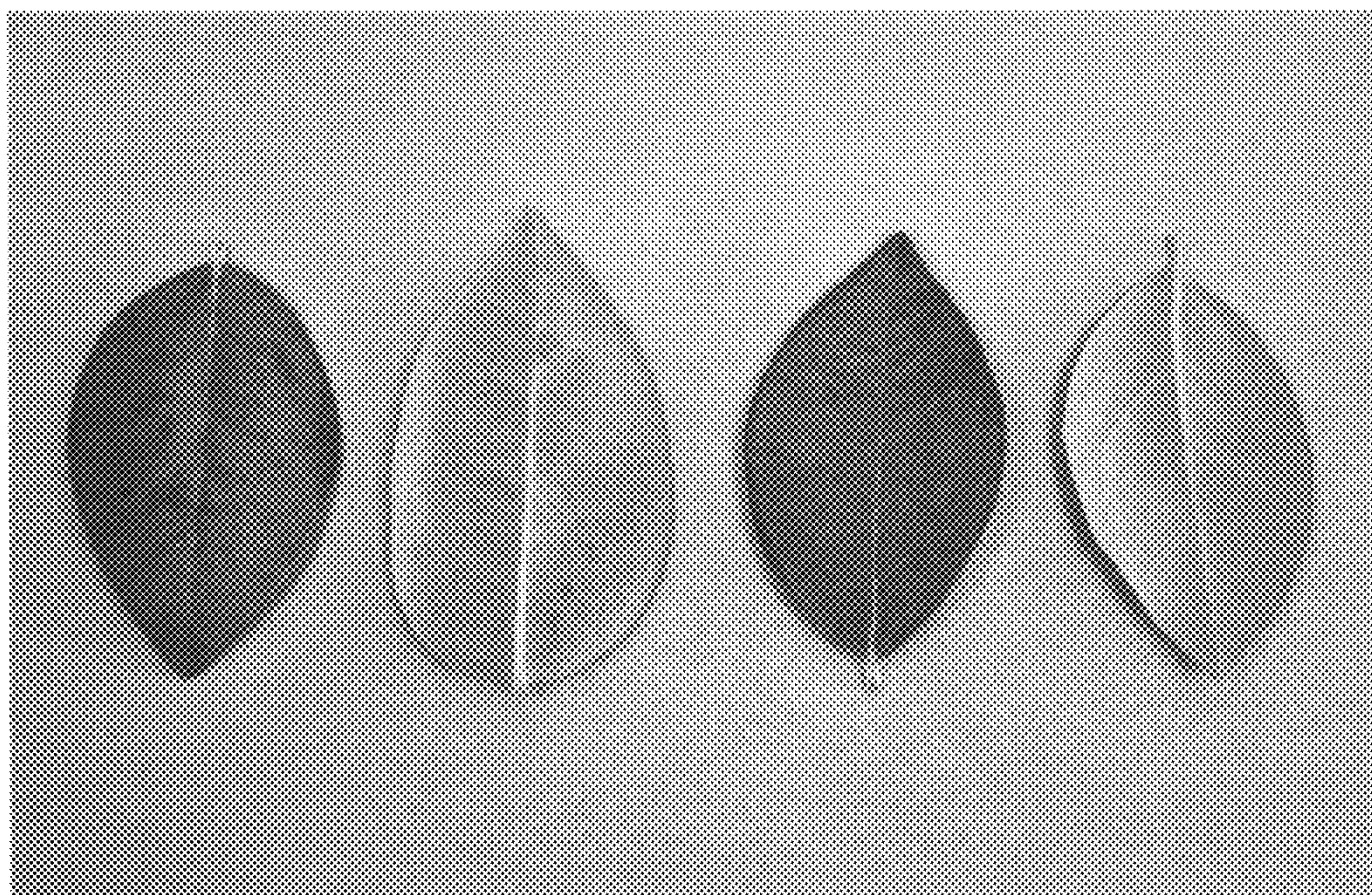


FIG. 2

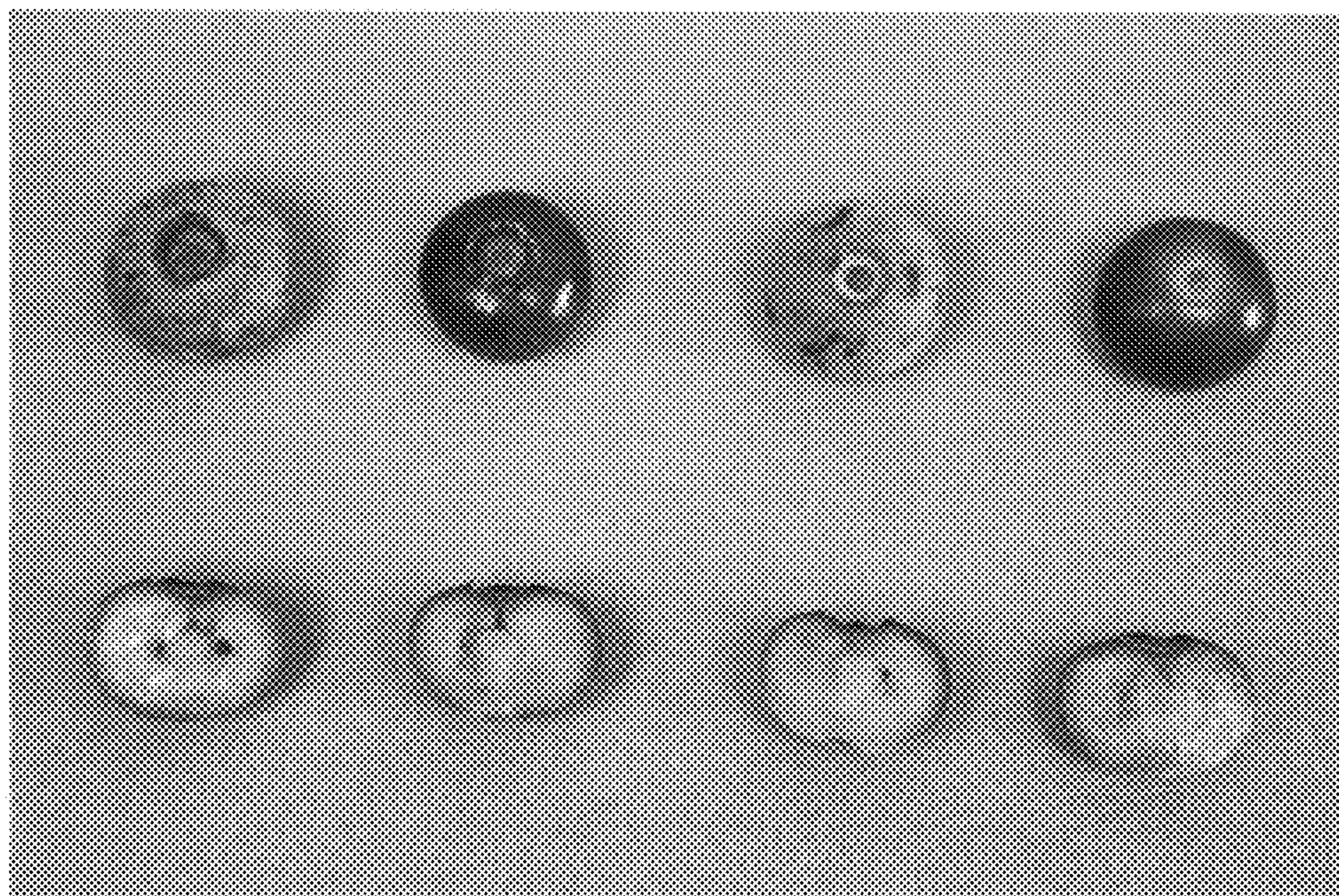


FIG. 3