

US00PP20436P2

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

(10) **Patent No.:** **US PP20,436 P2**
(45) **Date of Patent:** **Oct. 20, 2009**

(54) **BLUEBERRY PLANT NAMED**
‘DRISBLUETHREE’
(50) Latin Name: *Vaccinium corymbosum*
Varietal Denomination: **DrisBlueThree**

(75) Inventors: **Brian Caster**, Watsonville, CA (US);
Arlen Draper, Payson, AZ (US)

(73) Assignee: **Driscoll Strawberry Associates, Inc.**,
Watsonville, CA (US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **12/082,272**

(22) Filed: **Apr. 10, 2008**

(51) **Int. Cl.**
A01H 5/00 (2006.01)
(52) **U.S. Cl.** **Plt./157**
(58) **Field of Classification Search** **Plt./157**
See application file for complete search history.

Primary Examiner—June Hwu
(74) *Attorney, Agent, or Firm*—Jondle & Associates, P.C.

(57) **ABSTRACT**

This invention relates to a new and distinct cultivar of blue-
berry plant primarily characterized by medium-large berries
with strong sweetness, weak acidity, and a nearly spherical
berry shape and berries that have green flesh, is disclosed.

2 Drawing Sheets

1

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

BACKGROUND OF THE NEW PLANT

The present invention relates to a new and distinct blue-
berry cultivar designated ‘DrisBlueThree’ and botanically
known as *Vaccinium corymbosum*. This new blueberry culti-
var was discovered in Watsonville, Santa Cruz County, Calif.
in September 2000 as a result of a hybridization between the
female parent, ‘FL98-11’ an unpatented variety and the male
parent, ‘FL89-152’ an unpatented variety. The female and
male parents are no longer available for comparison with the
instant plant.

The original seedling of the new cultivar was asexually
propagated at a nursery in Watsonville, Monterey, Calif.
‘DrisBlueThree’ was subsequently asexually propagated and
underwent further testing at a nursery in Watsonville, Santa
Cruz County, Calif. for seven years. ‘DrisBlueThree’ has
been asexually propagated via softwood cuttings. The present
invention has been found to be stable and reproduce true to
type through successive asexual propagations.

SUMMARY OF THE INVENTION

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

1. Medium-large berries with strong sweetness;
2. Weak acidity and a nearly spherical berry shape; and
3. Berries that have green flesh.

DESCRIPTION OF THE PHOTOGRAPHS

The accompanying color photographs show typical speci-
mens of the new cultivar at various stages of development as
nearly true as it is possible to make in color reproductions.
The photographs are of plants that are 7 years old.

FIG. 1 shows a leaf cluster.

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

2

FIG. 3 shows the mature flowers.
FIG. 4 shows the whole fruit and a longitudinal-section of
the fruit.

DESCRIPTION OF THE NEW CULTIVAR

The following description of ‘DrisBlueThree’ is based on
observations taken from the 2007 growing season in Watson-
ville, Santa Cruz County, Calif., where the age of the ‘Dris-
BlueThree’ plants was 7 years, while the age of the O’Neal
plants were 12 years old. All descriptions are in accordance
with UPOV terminology. Color designations, color descrip-
tions, and other phenotypical descriptions may deviate from
the stated values and descriptions depending upon variation
in environmental, seasonal, climatic and cultural conditions.
‘DrisBlueThree’ has not been observed under all possible
environmental conditions. Color terminology follows The
Royal Horticultural Society Colour Chart, London (R.H.S.)
(2001).

DETAILED BOTANICAL DESCRIPTION

Table 1 shows plant characteristics of the new variety com-
pared with plant characteristics of blueberry plant ‘O’Neal’
(unpatented). Table 1 includes plant, canopy and cane char-
acteristics.

TABLE 1

Characteristic	‘DrisBlueThree’	‘O’Neal’
<u>Plant:</u>		
Vigor	Strong	Low
Growth habit	Strongly erect shrub	Bushy
Chilling requirement	Low	Medium
Propagation	Softwood cuttings	Softwood cuttings
Age	7 years	12 years
<u>Canopy:</u>		
Bush height (cm)	126	134
Canopy width (cm)	109	124
Height/Width ratio	1.2	1.1

TABLE 1-continued

Characteristic	‘DrisBlueThree’	‘O’Neal’
<u>Canes:</u>		
Age at maturity (years)	3 years	3 years
Mature cane texture	Rough	Rough
Mature cane diameter (cm)	0.864 cm	.734
Mature cane length (cm)	83 cm	69.0
Mature cane color	RHS 146C (yellow-green)	RHS 138A (green)
Cane renewal	Strong	Weak

Table 2 shows plant characteristics of the new variety compared with plant characteristics of blueberry plant ‘O’Neal’ (unpatented). Table 2 includes bud, calyx, corolla, flower and pedicel characteristics. Where “n/a” appears for a characteristic, it indicates a characteristic is not available.

TABLE 2

Characteristic	‘DrisBlueThree’	‘O’Neal’
<u>Bud:</u>		
Time of bud break	Early	Early
Flowers per bud	7	6
<u>Calyx:</u>		
Diameter at anthesis (cm)	0.52	0.658
Lobe count	5	5
Color	RHS 138B (medium green)	RHS 145C (light yellow-green)
<u>Corolla:</u>		
Petals, general	Fused into a corolla with 5 lobes	Fused into a corolla with 5 lobes
Length (cm)	0.936	1.014
Diameter (cm)	0.614	0.886
Aperature diameter (cm)	0.316	0.334
Mature color	RHS 157B (white)	RHS 155A (white)
<u>Flower:</u>		
Type	Perfect hypogynous (inferior ovary); stamens attached at base of fused corolla tube	Perfect hypogynous (inferior ovary); stamens attached at base of fused corolla tube
Shape	Urceolate	Urceolate
Fragrance	Faint	Very faint
Size	Small	Medium
50% anthesis (full bloom)	March 15 th	n/a
1% bloom	Early	Early
<u>Pedicel:</u>		
Color	RHS N144C (yellow-green)	RHS 144D (light yellow-green)
Length (cm)	0.892	0.478

Table 3 shows plant characteristics of the new variety compared with plant characteristics of blueberry plant ‘O’Neal’ (unpatented). Table 3 includes leaf and shoot characteristics.

TABLE 3

Characteristic	‘DrisBlueThree’	‘O’Neal’
<u>Leaves:</u>		
Arrangement	Alternate	Alternate
Shape	Simple and elliptic	Simple and broadly elliptic to slightly ovate
Apex	Broadly acuminate	Broadly acute

TABLE 3-continued

Characteristic	‘DrisBlueThree’	‘O’Neal’
5	Base	Broadly acute
	Margin	Entire
	Pubescence	Glabrous
	Length (cm)	8.56
	Width (cm)	3.82
10	Length/width ratio	2.2
	Color, abaxial	RHS 191B (greyed-green)
	Color, adaxial	RHS 139A (green)
	Venation	Reticulate
	Petiole:	
15	Length (cm)	0.41
	Color	RHS 145B (yellow-green)
	Shoots:	
	Internode length (cm)	1.77
		1.634

Table 4 shows plant characteristics of the new variety compared with plant characteristics of blueberry plant ‘O’Neal’ (unpatented). Table 4 includes berry, skin, peduncle and seed characteristics.

TABLE 4

Characteristic	‘DrisBlueThree’	‘O’Neal’
<u>Berry:</u>		
Shape	Nearly spherical	Slightly oblate sphere
35	Size	Medium
	Weight (g)	1.5
	Height	1.39
	(cm, pedicel scar to calyx)	1.284
	Diameter	1.594
40	(cm at equator)	1.508
	Height/diameter ratio	0.91
	Firmness	0.85
	Sweetness	Very firm
	Acidity	Strong
45	Season/timing (25% ripe)	Weak
	Season/timing (50% ripe)	Early season
	Pedicel scar diameter (cm)	May 30th
	Skin:	Early season
	Bloom deposition	June 14 th
50	Mature color with bloom	0.16
	Mature color without bloom	Heavy
	Immature color with bloom	RHS 98D (blue)
		Medium
		RHS 98C (violet-blue)
55		RHS 103A (blue)
		RHS 143D (light green)
	Flesh:	
	Color	RHS 145C (green)
	Seed:	RHS 157A (green-white)
60	Abundance	47 per fruit
	Color	27 per fruit
	Length (cm)	RHS 165A
	Width (cm)	(orange-brown)
	Length/width ratio	(greyed-orange)

Table 5 shows plant characteristics of the new variety compared with plant characteristics of blueberry plant ‘O’Neal’ (unpatented). Table 5 includes the reproductive organs.

TABLE 5

Characteristic	‘DrisBlueThree’	‘O’Neal’
<u>Reproductive Organs:</u>		
Pollination requirement	Believed to be self-fertile	
Ovary color	RHS 188A (greyed-green)	RHS 133C (green)
Pollen color	RHS 11C (yellow)	RHS 8D (light yellow)
Anther color	RHS 22A (yellow-orange)	RHS N170A (greyed-orange)

TABLE 5-continued

Characteristic	‘DrisBlueThree’	‘O’Neal’
5 Style length, including stigma (cm)	0.86 cm	0.810 cm

Resistance to diseases and insects: Disease and insect resistance are typical of blueberry plants.

We claim:

1. A new and distinct cultivar of blueberry plant as described and shown herein.

* * * * *

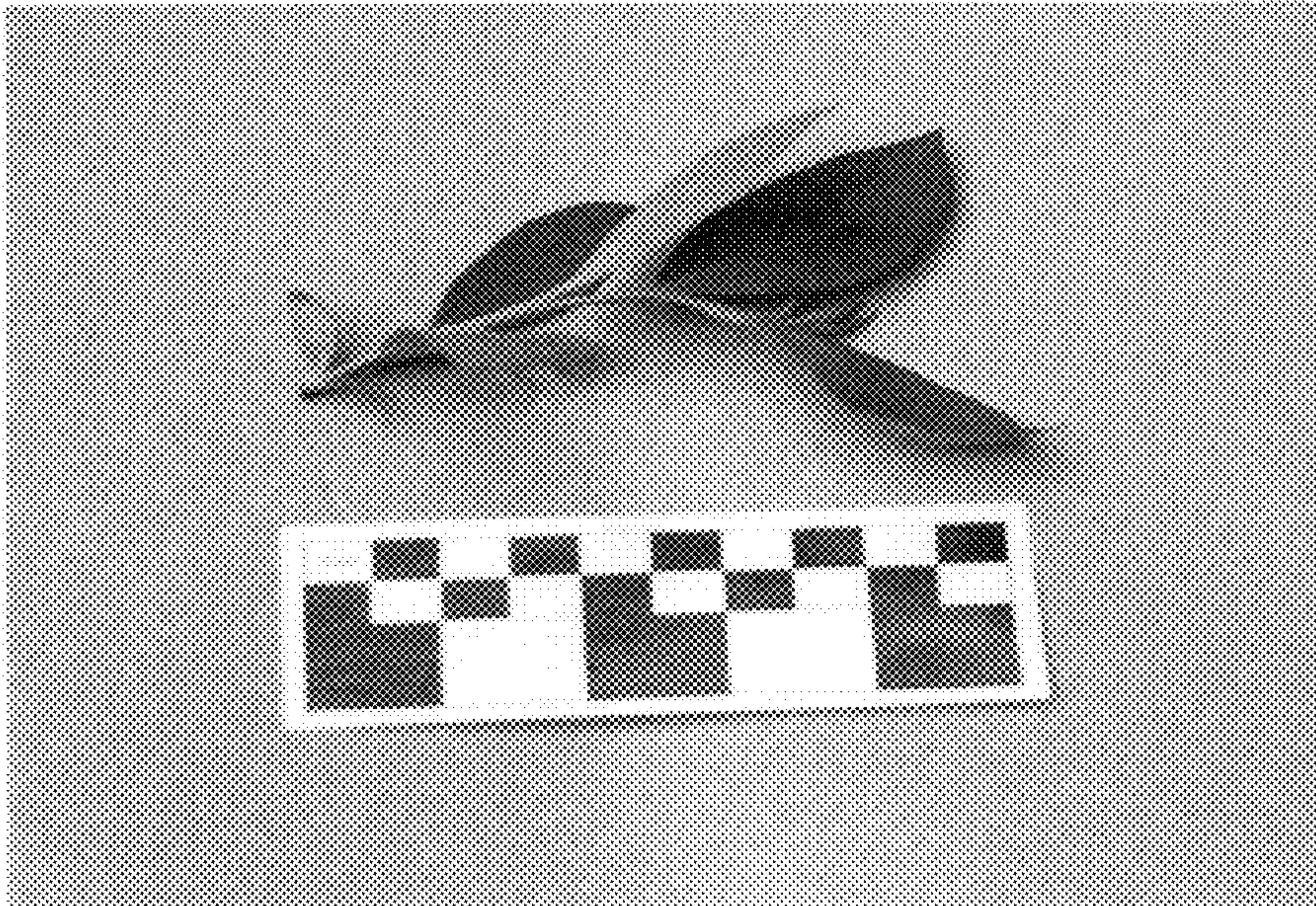


FIG. 1



FIG. 2

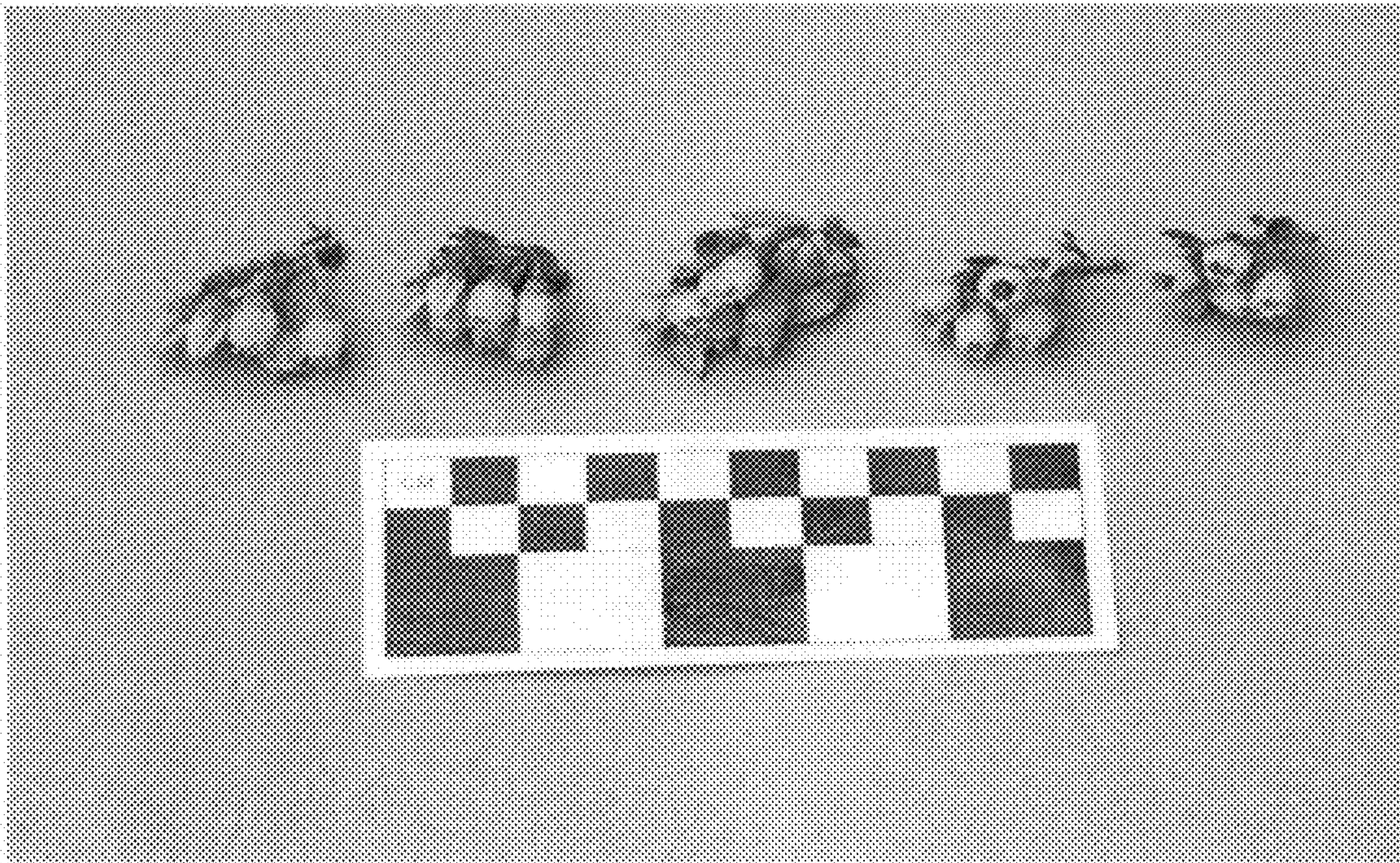


FIG. 3

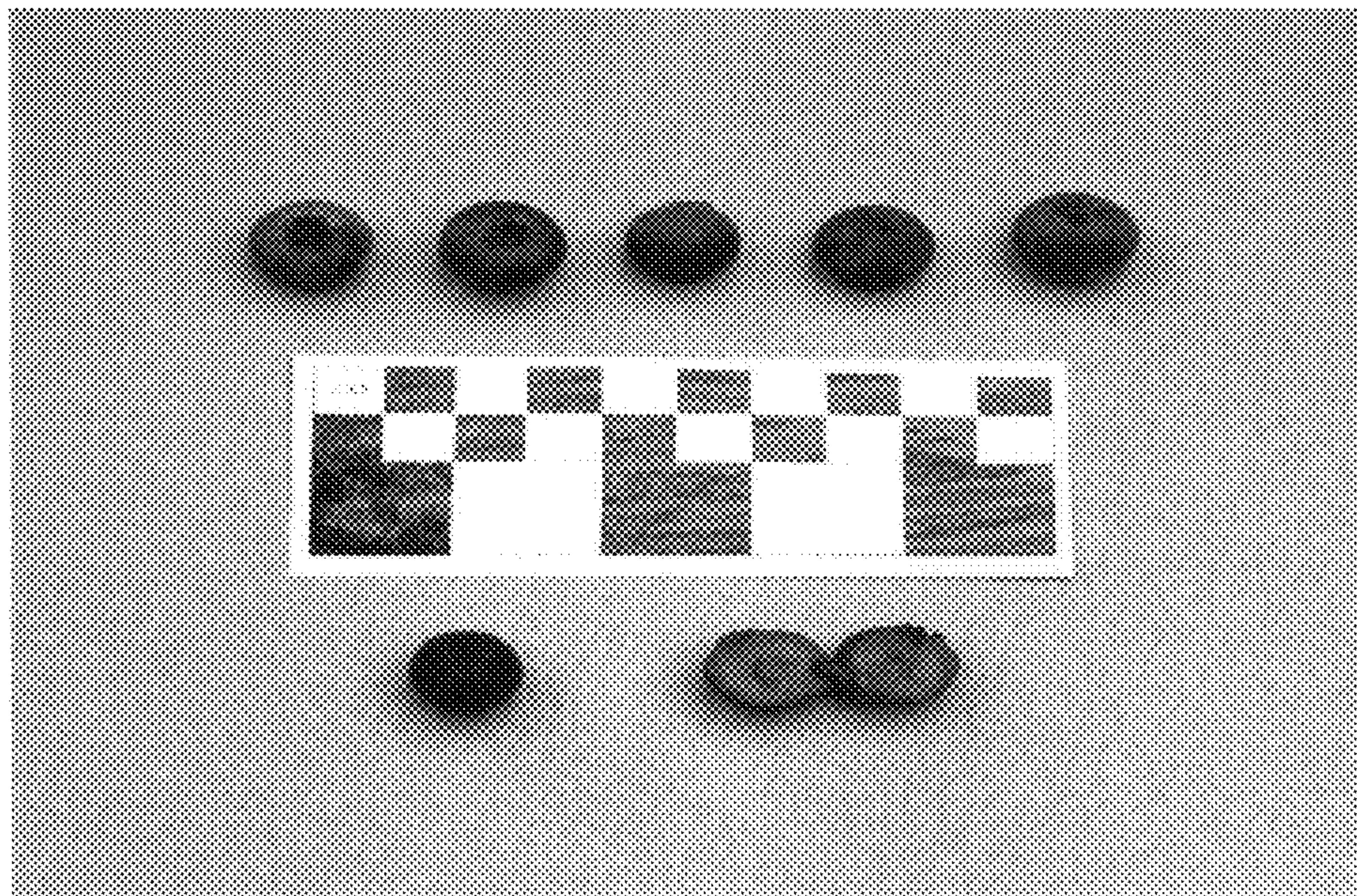


FIG. 4