



(12) **United States Plant Patent**
Blom

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(54) **CHRYSANTHEMUM PLANT NAMED**
'ZANMUCANYON'

(50) Latin Name: *Chrysanthemum*×*morifolium* Ramat.
Varietal Denomination: **Zanmucanyon**

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(73) Assignee: **Chrysanthemum Breeders Association**
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(*) 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.: **12/926,546**

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(51) **Int. Cl.**
A01H 5/00 (2006.01)

(52) **U.S. Cl.** **Plt./298**

(58) **Field of Classification Search** Plt./298
See application file for complete search history.

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(57) **ABSTRACT**

A *chrysanthemum* plant named 'Zanmucanyon' character-
ized by its medium sized blooms with dark red ray florets and
prolific branching; natural season flower date October 5
(week 41); blooming for a period of 4 weeks.

3 Drawing Sheets

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Botanical designation: *Chrysanthemum*×*morifolium*
Ramat.

Cultivar denomination: 'Zanmucanyon'.

RELATED CULTIVARS

This new plant cultivar 'Zanmucanyon' is of the botanical
classification *Chrysanthemum*×*morifolium* Ramat and is
related to 'Zanmurover' (U.S. plant patent application No.
12/926,550). Both are seedlings from the same cross.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *chrysanthemum* plant, botanically known as *Chrysante-*
mum×*morifolium* Ramat., commercially known as a garden
mum, and hereinafter referred to by the cultivar denomination
'Zanmucanyon'. 'Zanmucanyon' is a product of a breeding
and selection program for outdoor pot mums (garden mums)
which had the objective of creating new cultivars with a
double type inflorescence, a natural season flower date
around October 5 (week 41), blooming for a period of 4
weeks. 'Zanmucanyon' is a seedling resulting from a cross of
the female parent id 9396 with the male parent id 9285. Plants
of the new cultivar 'Zanmucanyon' differ from plants of the
female parent in the following characteristics. (1) Natural
season flowering date. And (2) Inflorescence size. (1) Plants
of the seedling flower later in the season than those of the
female parent. (2) Inflorescences of the seedling smaller than
those of the female parent.

Plants of the new cultivar 'Zanmucanyon' differ from
plants of the male parent in plant habit. Plants of the male
parent grow more upright than those of the seedling.

The new and distinct cultivar was discovered and selected
as a flowering plant by Wilhelmus Bernardus Blom on a
cultivated field in Rijnsenhout, The Netherlands in 2005. The
first act of asexual production of 'Zanmucanyon' was accom-
plished when vegetative cuttings from the initial selection in
2005 were propagated further in a controlled environment in
Rijnsenhout, The Netherlands. The new cultivar has been
found to retain its distinctive characteristics through succes-
sive propagations.

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BRIEF DESCRIPTION OF THE DRAWINGS

The present invention of a new and distinct variety of
chrysanthemum is shown in the accompanying drawings, the
color being as nearly true as possible with color photographs
of this type.

FIG. 1 shows a plant of the cultivar in full bloom.

FIG. 2 shows the various stages of bloom of the new cul-
tivar.

FIG. 3 shows the various stages of foliage of the new
cultivar.

DESCRIPTION OF THE INVENTION

The observations and measurements were gathered from
plants grown out door in Rijnsenhout, The Netherlands under
natural day length and temperature and planted in week 23 in
2009. The natural blooming date of this crop was October 5
(week 41). The average height of the plants was 26 cm. No
growth retardants were used. No tests were done on disease or
insect resistance or susceptibility. No tests were done on cold
or drought tolerance. This new variety produces medium
sized blooms with dark red ray florets blooming for a period
of 4 weeks.

From the cultivars known to inventor the most similar
existing cultivar in comparison to 'Zanmucanyon' is its sib-
ling 'Zanmurover' (U.S. Plant Patent applied.). When 'Zan-
murover' and 'Zanmucanyon' are being compared the follow-
ing differences are noticed (1) Plant vigor. And (2) Leaf size.
(1) Plants of 'Zanmucanyon' are less vigorous than those of
'Zanmurover'. (2) Leaves of 'Zanmucanyon' are larger than
those of 'Zanmurover'.

The following is a description of the plant and character-
istics that distinguish 'Zanmucanyon' as a new and distinct
variety.

The color designations are taken from the plant itself.
Accordingly, any discrepancies between the color designa-
tions and the colors depicted in the photographs are due to
photographic tolerances. The color chart used in this descrip-
tion is: The Royal Horticultural Society Colour Chart, edition
2001.

TABLE 1

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. ‘Zanmucanyon’	
Bud	
Size	Small; cross-section 5 mm, height 5 mm
Shape	Round
Texture	Pubescent
Outside Color	Greyed-green 191A
Phyllaries	
Number	30, arranged in 3 rows
Shape	Elliptic
Apex	Acute
Base	Truncate
Margin	Entire
Color	Upper surface: Greyed-green 191B
Length and width	5 mm; 2 mm
Texture	Pubescent
Inflorescence	
Type	Double
Height	1.4 cm
Diameter	3.8 cm
Peduncle length	5 cm
Peduncle color	Green 138B
Peduncle diameter	1.8 mm
Peduncle texture	Pubescent
Number per branch	Approx 7 inflorescences
Duration of flowering	4 weeks
Seeds	Produced in small quantities, ovate, Greyed-brown 199A, length 1.5 mm, diameter 0.5 mm
Fragrance	Faint <i>chrysanthemum</i> odor
Color	
Center of inflorescence	Immature stage: Yellow-green N144D Mature stage: Yellow 13A
Color of upper surface of the ray-florets	Yellow 6C at base, upper part Red-purple 60A
Color of the lower surface of the ray-florets	Greyed-red 180D
Tonality from Distance	A garden <i>mum</i> with dark red flowers
Color of the ray-florets after aging of the plant	Greyed-purple 187C
Ray florets	
Texture	Upper and lower surface smooth
Number	200-210
Shape	Elliptic
Apex	Dentate
Base	Attenuate
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	3-5 mm
Ray-floret margin	Entire
Ray-floret length	1.4-1.8 cm
Ray-floret width	3-5 mm
Ratio length/width	Medium
Disc florets	
Disc diameter	1-2 mm
Distribution of disc florets	Few, only visible in mature stage of inflorescence
Shape	Tubular
Color	Yellow-green 145C at base to Green Yellow 1D at top
Length	4 mm
Receptacle	
Color	Yellow-green 145D
Shape	Domed raised
Height	5 mm
Diameter	3 mm

TABLE 1-continued

Botanical Description of <i>Chrysanthemum xmorifolium</i> Ramat. ‘Zanmucanyon’	
5	Reproductive Organs
	Androecium
	Present on only disc florets
	Stamen length
	3 mm
	Stamen color
	Yellow-green 144A
	Anther color
	Yellow 6D
10	Pollen
	Present
	Pollen color
	Yellow 13A
	Gynoecium
	Present on both ray and disc florets
	Style color
	Yellow-green 154C
	Style Length
	3 mm
	Stigma color
	Yellow 7A
15	Stigma Width
	1 mm
	Ovary
	Enclosed in calyx
Plant	
	Form
	Grown as a spray type pot <i>mum</i> , outdoor raised and mounded
	Growth habit
	Spherical shape
20	Growth rate
	Medium
	Height
	26 cm
	Width
	45 cm
	Stem Color
	Greyed-brown 199A
	Stem Strength
	Not strong
	Stem Brittleness
	Brittle
25	Stem Anthocyanin Coloration
	Not observed
	Internode length
	0.5-1 cm
	Length of lateral branch
	From top to bottom 13 cm
	Lateral branch color
	Green 137 C
	Lateral branch, attachment
	Brittle
	Lateral branch diameter
	2 mm
30	Branching (average number of lateral branches)
	Prolific with 8 breaks after pinching
	Natural season blooming date
	October 5 (week 41)
Foliage	
	Leaf color
	Upper side: Yellow-green 147A
	Lower side: Green 139C
35	Color midvein
	Upper side: Yellow-green 147D
	Lower side: Yellow-green 148D
	Size
	Small; length 4-5 cm, width 3-3.5 cm
	Quantity (number per lateral branch)
	Ca. 15
	Shape
	Elliptic
40	Texture upper side
	Sparsely pubescent
	Texture under side
	Pubescent
	Venation arrangement
	Palmate
	Shape of the margin
	Serrated
	Shape of Base of Sinus
	Rounded
	Between Lateral Lobes
45	Margin of Sinus Between
	Diverging
	Lateral Lobes
	Shape of Base
	Attenuate to truncate
	Apex
	Mucronulate
	Petiole length
	1 cm
	Petiole diameter
	2 mm
50	Petiole color
	Yellow-green 147D

TABLE 2

Differences with the comparison variety(when grown side to side)			
		“Zanmucanyon”	‘Zanmurover’
60	Growth rate	Medium	High
	Leaf length	4-5 cm	2.5-4 cm
	Leaf width	3-3.5 cm	1.5-2.5 cm

I claim:

1. A new and distinct *chrysanthemum* plant named ‘Zanmucanyon’ as described and illustrated.

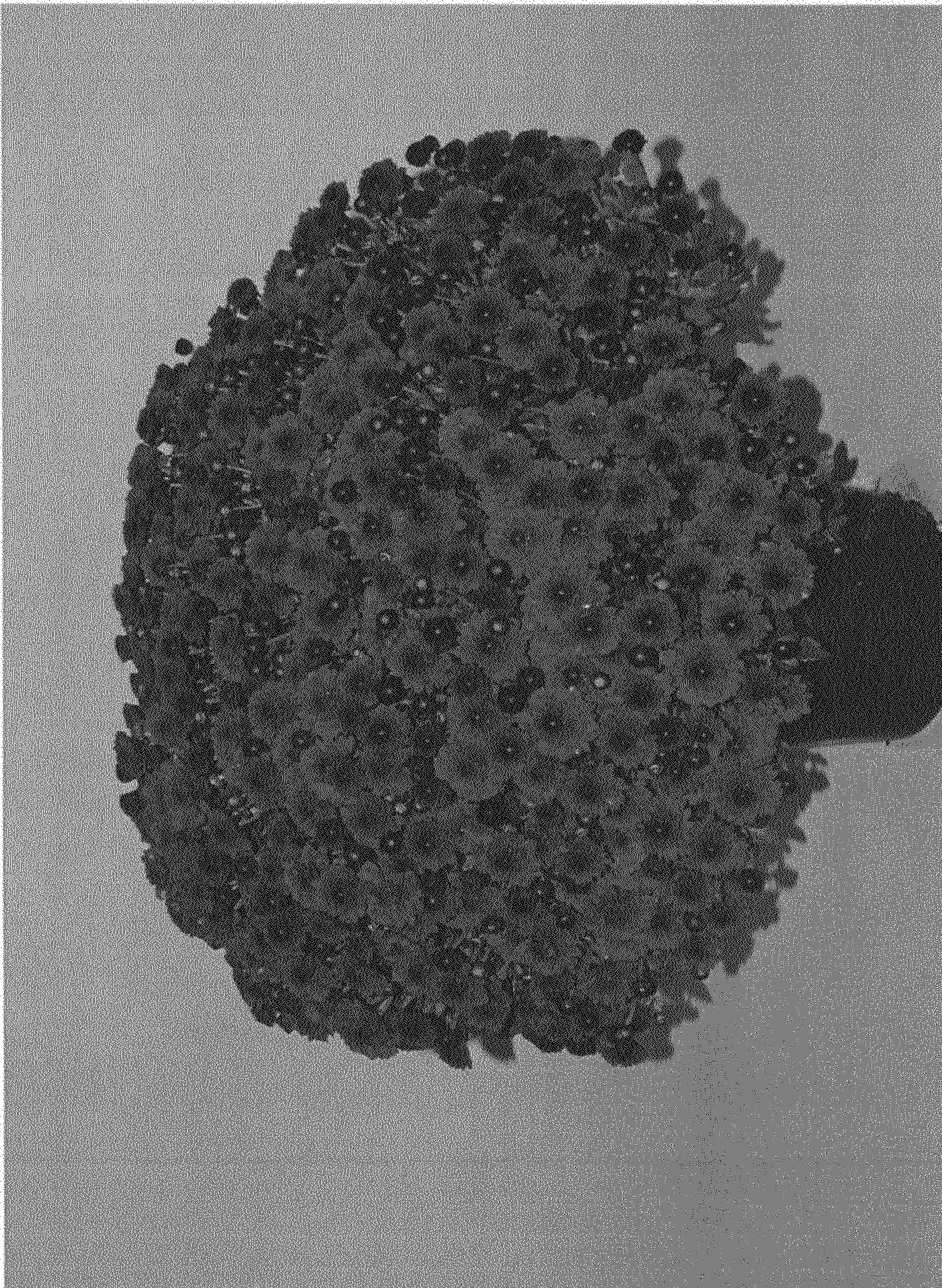


FIG. 1

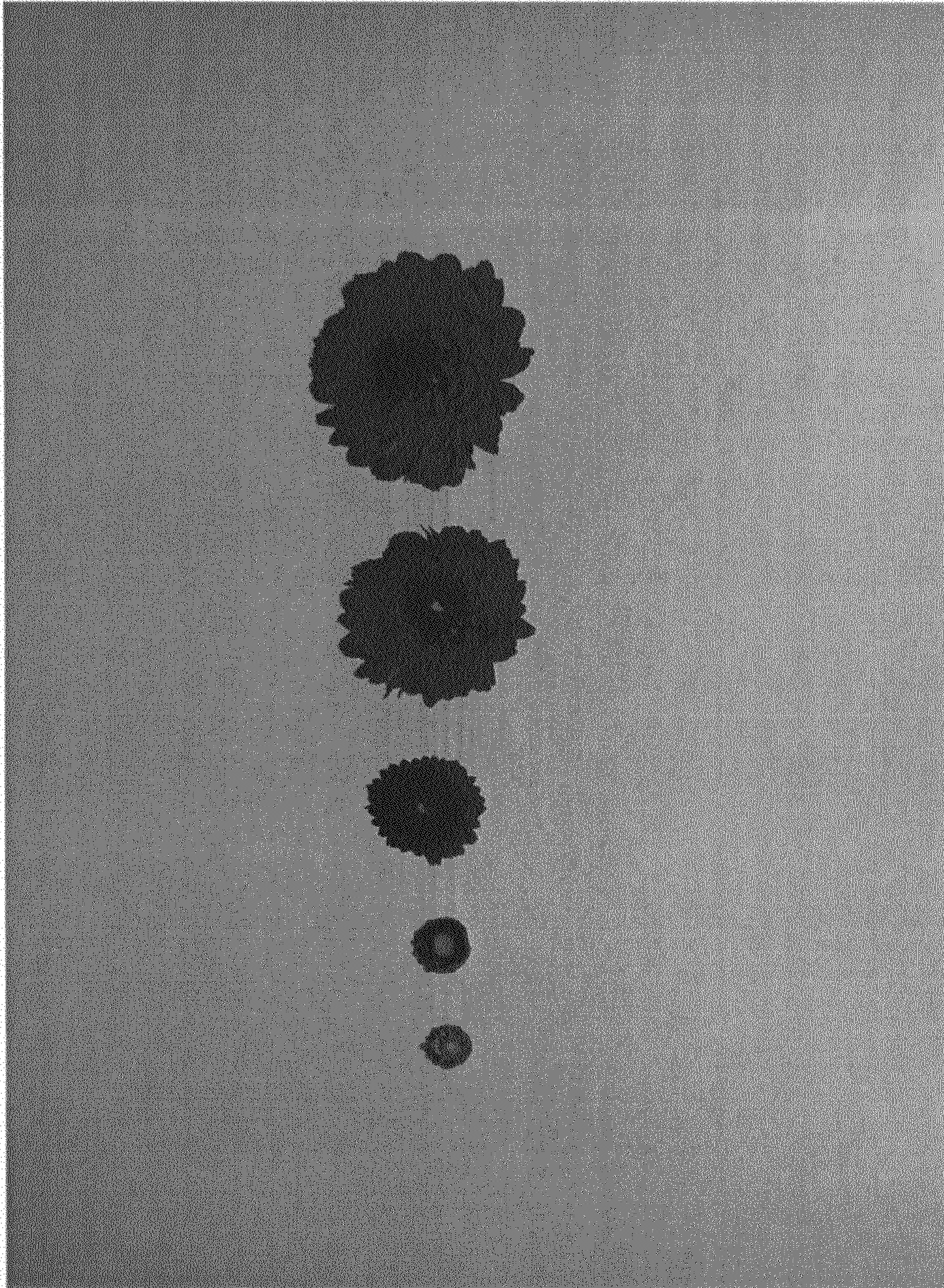


FIG. 2

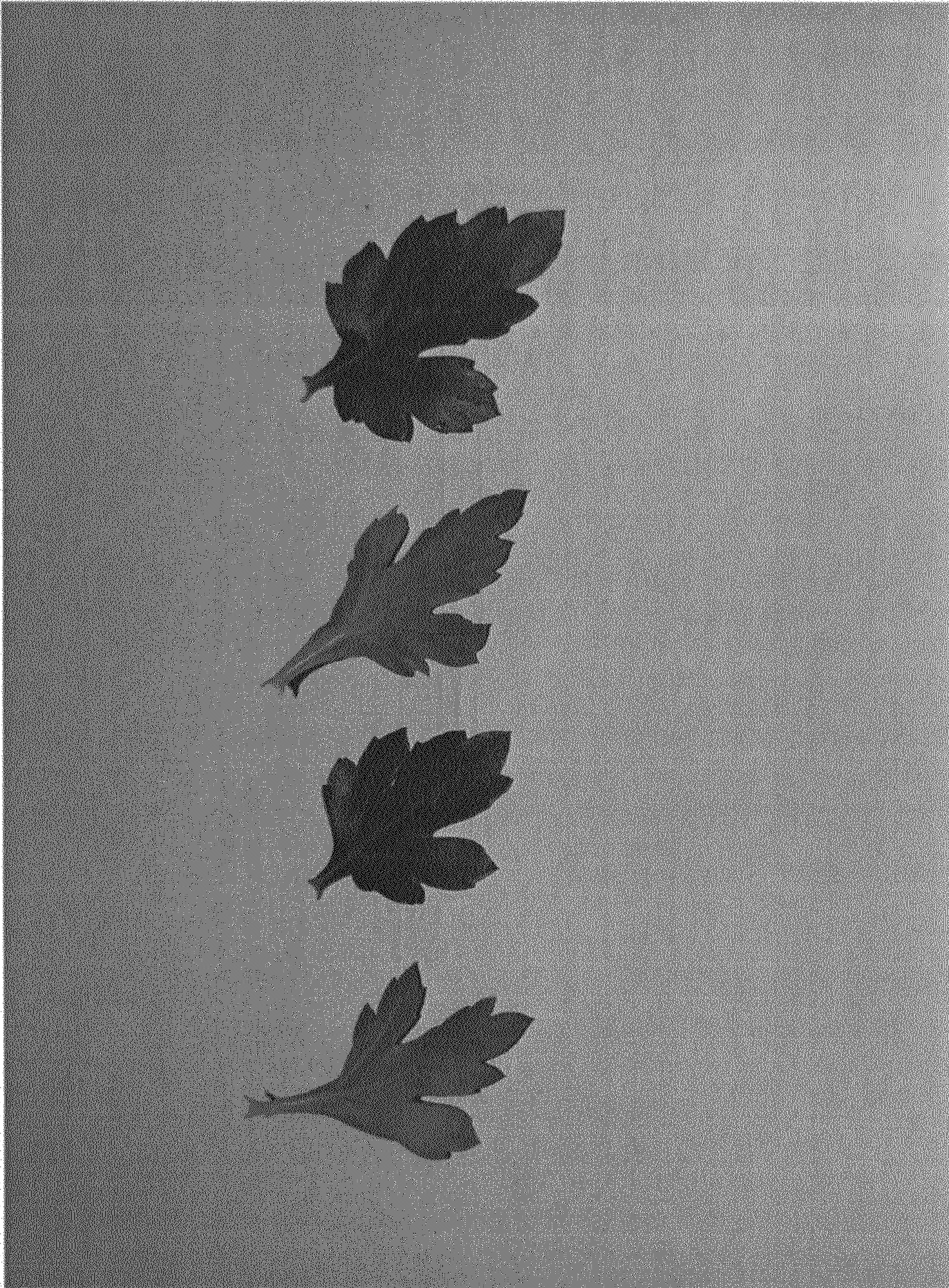


FIG. 3