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

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

(50) Latin Name: *Chrysanthemum morifolium*
Varietal Denomination: **Homer**

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(NL)

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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 75 days.

(21) Appl. No.: **11/020,258**

(22) Filed: **Dec. 27, 2004**

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

(52) **U.S. Cl.** **Plt./290**

(58) **Field of Classification Search** **Plt./290**
See application file for complete search history.

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(57) **ABSTRACT**

A *chrysanthemum* plant named 'Homer' characterized by its
medium sized blooms with orange ray florets and good
branching natural season flower date August 16–23; bloom-
ing for a period of 6 weeks.

3 Drawing Sheets

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BACKGROUND OF THE INVENTION

'Homer' is a product of a breeding and selection program
for outdoor pot mums (garden mums) which had the objec-
tive of creating new *chrysanthemum* cultivars with a deco-
rative type flower, a natural season flower date around
August 16–23; blooming for a period of 6 weeks. The new
plant of the present invention comprises a new and distinct
cultivar of *Chrysanthemum* plant 'Homer' is a seedling
resulting from a crossing program, which was set up by a
previous breeder, and which records are unknown to the
inventor. The new and distinct cultivar was discovered and
selected as a flowering plant by Mark Roland Boeder on a
cultivated field in Rijsenhout, The Netherlands in 2001. The
first act of asexual production of 'Homer' was accomplished
when vegetative cuttings were taken from the initial selec-
tion in 2001 in a controlled environment in Rijsenhout, The
Netherlands, and propagated further at this location. The new
cultivar has been found to retain its distinctive characteris-
tics through successive propagations.

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
cultivar.

FIG. 3 shows the foliage of the new cultivar.

DESCRIPTION OF THE INVENTION

This new variety of *chrysanthemum* is of the botanical
classification *Chrysanthemum morifolium* L. The observa-
tions and measurements were gathered from plants grown
out door in Rijsenhout, The Netherlands under natural day
length and temperature and planted week 24 in 2004. The
natural blooming date of this crop was August 16–23 (week
34). The average height of the plants was 25 cms. No growth
retardants were used. No tests were done on disease or insect
resistance or susceptibility. No tests were done on cold or

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drought tolerance. This new variety produces medium sized
orange blooms flowering for a period of 6 weeks.

From the cultivars known to inventor the most similar
existing cultivars in comparison to 'Homer' are 'Beryl' (U.S.
Plant Pat. No. 15,416) and 'Hector' (U.S. Plant Pat. No.
15,404). When 'Homer', 'Beryl' and 'Hector' are being
compared the following similarities and differences are
noticed: All three varieties have medium sized decorative
type orange blooms. The differences of 'Homer' and 'Beryl'
and 'Hector' are (1) Number of ray-florets. 'Homer' has a
higher number of ray-florets than 'Beryl' and 'Hector'. (2)
Size of bloom. Because of this high number in 'Homer', its
blooms are large and more spherical shaped than those in
'Beryl' and 'Hector'.

The following is a description of the plant and character-
istics that distinguish 'Homer' 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
description is: The Royal Horticultural Society Colour
Chart, edition 1995.

TABLE 1

Botanical Description of *chrysanthemum* plant 'HOMER'

Bud	
Size	Small; cross-section 0.5 cm, height 0.5 cm
Outside Color	Yellow-green 145D
Involucral bracts	2 rows, length 7 mm, width 3 mm
Involucral bracts among disc-florets	Not present
Involucral bracts color	Green 138A–138B
Bloom	
Type	Decorative
Height	2 cm
Size	Medium
Fully Expanded	5.5 cm
Peduncle length	6–7 cm
Peduncle color	Green 139C
Number of blooms per branch	Approx. 6 blooms per branch
Performance on the plant	6 weeks

TABLE 1-continued

Botanical Description of <i>chrysanthemum</i> plant ‘HOMER’	
Seeds	Produced in small quantities, ovate grey-brown 199A, 1½ mm in length.
Fragrance	Typical <i>chrysanthemum</i> , slightly
Color	
Center of the flower	Immature Greyed-orange 171B Mature Greyed-orange 168B
Color of upper surface of the ray-florets	Yellow-orange 17D overlain with Greyed-orange 167C
Color of the lower surface of the ray-florets	Greyed-orange 164C overlain with Greyed-orange 167C
Tonality from Distance	A garden mum with orange flowers
Discoloration to color	Greyed-yellow 162B with Greyed-orange 164B
Ray florets	
Texture	Upper and under side smooth
Number	280–300
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	0.5 cm
Ray-floret margin	Entire
Ray-floret length	2.5 cm
Ray-floret width	0.6 cm
Ratio length/width	Medium
Shape of tip	Dentate
Disc florets	Absent
Receptacle shape	Conical raised
Reproductive Organs	
Stamen	Absent
Styles	Thick
Style color	Yellow 13A
Style Length	4 mm
Stigma color	Yellow-green 144A
Stigma Width	1 mm
Ovaries	Enclosed in calyx
Plant	
Form	Grown as a spray type potmum, outdoor mounded and round
Growth habit	Spherical and spreading
Growth rate	Medium
Height	30 cm
Width	35 cm
Stem Color	Green 138B with streaks of Greyed-red 182B
Stem Strength	Medium
Stem Brittleness	Brittle
Stem Anthocyanin Coloration	Present
Internode length	2–25 cm
Length of lateral branch	From top to bottom 13 cm

TABLE 1-continued

Botanical Description of <i>chrysanthemum</i> plant ‘HOMER’	
Lateral branch color	Green 138B–138C
Lateral branch, attachment	Weak
Branching (average number of lateral branches)	Good with 8–10 breaks after pinching
Natural season blooming date	August 16–23
Foliage	
Leaf color	Upper side Green 138A Lower side Green 138B
Color midvein	Upper side Green 139D Lower side Yellow-green 148D
Size	Medium; length 4–6 cm, width 2.5–4 cm
Quantity (number per lateral branch)	20
Shape	Obovate
Texture upper side	Glabrous
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Serrated
Shape of Base or Sinus Between Lateral Lobes	Rounded
Margin of Sinus Between Lateral Lobes	Diverging
Shape of Base	Acute-obtuse
Apex	Mucronulate
Petiole length	1–2 cm
Petiole color	Green 139D

TABLE 2

Differences with the comparison varieties			
	‘Homer’	‘Beryl’	‘Hector’
Bloom type	Decorative	Decorative	Decorative
Color upper side ray-florets	Yellow-orange 17D and Greyed-orange 167C	Orange 26C	Orange-red 34C
Number of ray-florets	280–300	250	250
Size of bloom	5.5 cm	4.5 cm	5.5. cm

I claim:

1. A new and distinct variety of *chrysanthemum* plant as described and illustrated.

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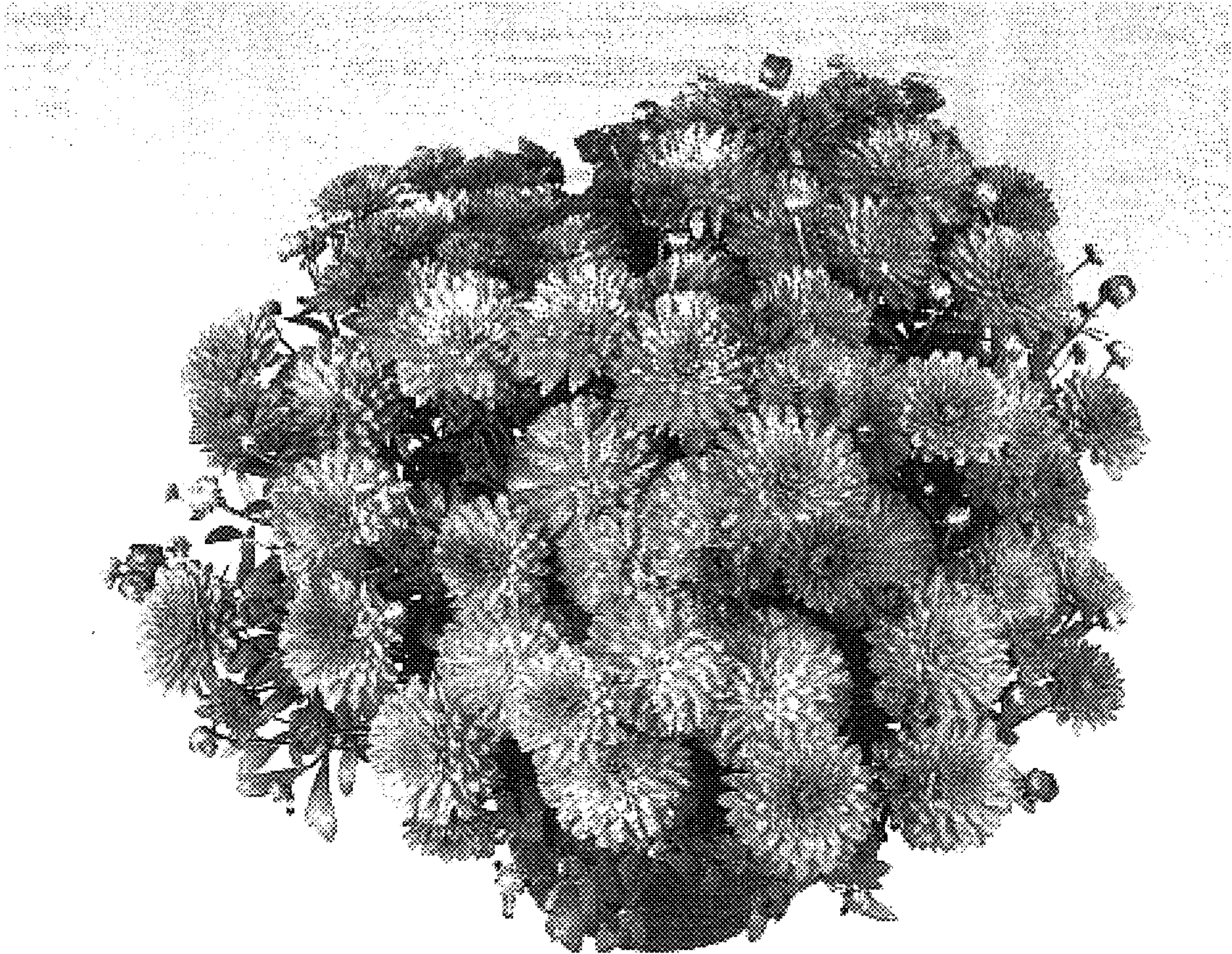


FIG. 1

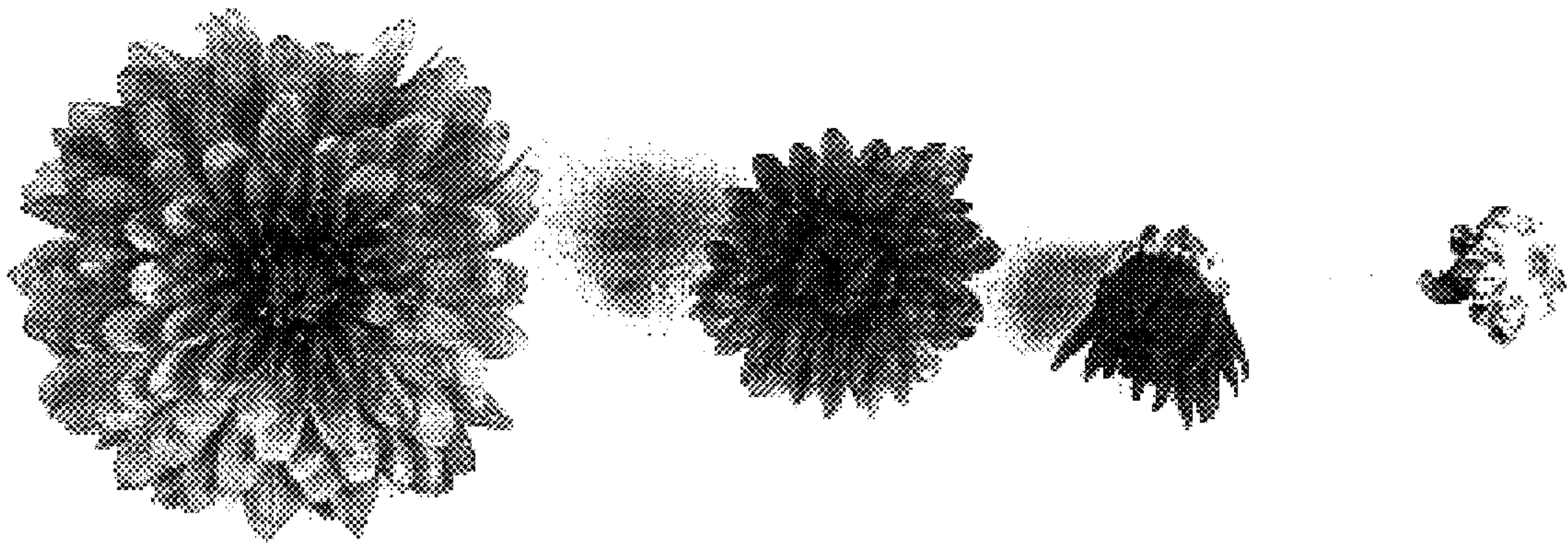


FIG. 2

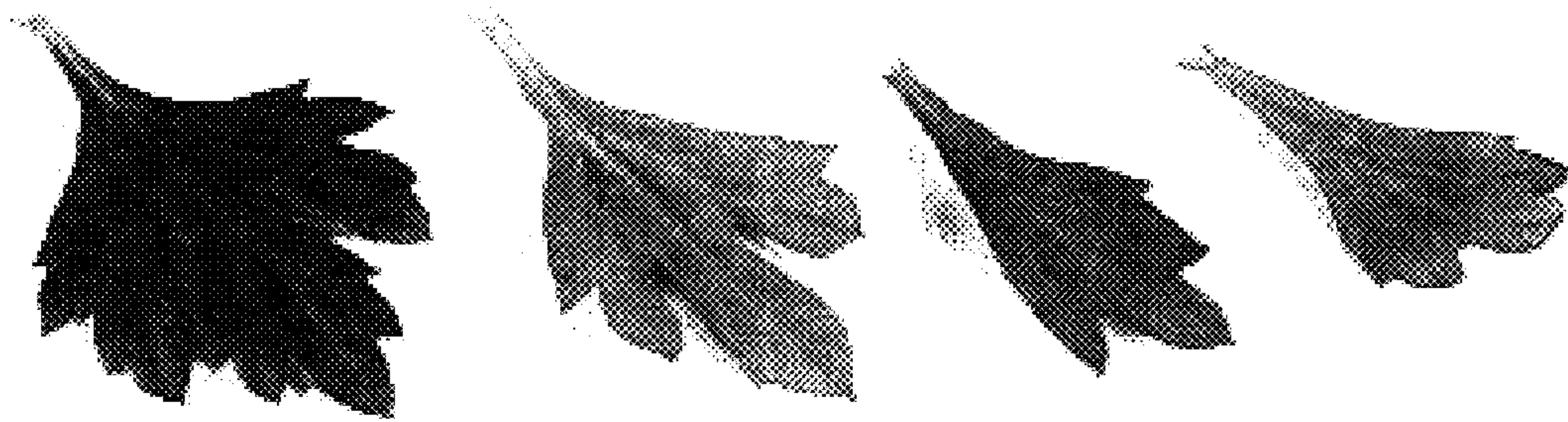


FIG. 3