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

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(54) **CHRYSANTHEMUM PLANT NAMED**
‘BOBWHITE’

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

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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.: **11/020,236**

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

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

(52) **U.S. Cl.** **Plt./288**

(58) **Field of Classification Search** Plt./288
See application file for complete search history.

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(57) **ABSTRACT**

A *Chrysanthemum* plant named ‘Bobwhite’ characterized by
its large sized blooms with white ray florets and good
branching; natural season flower date September 20–27;
blooming for a period of 4 weeks.

3 Drawing Sheets

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BACKGROUND OF THE INVENTION

‘Bobwhite’ is a product of a breeding and selection
program for outdoor pot mums (garden mums) which had
the objective of creating new *Chrysanthemum* cultivars with
a decorative type flower, a natural season flower date around
September 20–27; blooming for a period of 4 weeks. The
new plant of the present invention comprises a new and
distinct cultivar of *Chrysanthemum* plant ‘Bobwhite’ 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 ‘Bobwhite’ was
accomplished when vegetative cuttings were taken from the
initial selection 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 characteristics 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 photo-
graphs 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*. The observations
and measurements were gathered from plants grown out
door in Rijsenhout, The Netherlands under natural day
length and temperature and planted week 24 in 2001. The
natural blooming date of this crop was September 20–27
(week 39). The average height of the plants was 23 cms. No
growth retardants were used. No tests were done on disease

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or insect resistance or susceptibility. No tests were done on
cold or drought tolerance. This new variety produces large
sized white blooms with a cream center flowering for a
period of 4 weeks.

From the cultivars known to inventor the most similar
existing cultivar in comparison to ‘Bobwhite’ is ‘Jason’.
(U.S. Plant Pat. No. 14,609) When ‘Jason’ and ‘Bobwhite’
are being compared the following similarities and differ-
ences are noticed: Both varieties have large sized white
blooms. The differences of ‘Jason’ and ‘Bobwhite’ are (1)
Plant vigor. The plants of ‘Jason’ are more vigorous than
those of ‘Bobwhite’. (2) Bloom type. The bloom of ‘Jason’
are daisy type, while those of ‘Bobwhite’ are decorative.

The following is a description of the plant and character-
istics that distinguish ‘Bobwhite’ as a new and distinct
variety. The color designations are taken from the plant
itself. Accordingly, any discrepancies between the color
designations 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 <i>chrysanthemum</i> plant ‘BOBWHITE’	
<u>Bud</u>	
Size	Small; cross-section 0.4 cm, height 0.5 cm
Outside Color	Yellow-green 145D-147D
Involucral bracts	2 rows, length 7 mm, width 3 mm
Involucral bracts among disc-florets	Not present
Involucral bracts color	Green 137B
<u>Bloom</u>	
Type	Decorative
Height	1.5 cm
Size	Large
Fully Expanded	6–6.5 cm
Peduncle length	3.5–5 cm
Peduncle color	Green 137B-143A
Number of blooms per branch	Approx. 5–6 blooms per branch
Performance on the plant	4 weeks

TABLE 1-continued

Botanical Description of <i>chrysanthemum</i> plant ‘BOBWHITE’	
Seeds	Produced in small quantities, ovate grey-brown 199A, 1½ mm in length.
Fragrance	Typical <i>chrysanthemum</i> , slightly
<u>Color</u>	
Center of the flower	Immature Yellow 2D Mature Yellow 2D
Color of upper surface of the ray-florets	Yellow-white 158D
Color of the lower surface of the ray-florets	Yellow-white 158D
Tonality from Distance	A garden mum with white flowers and a cream disc
Discoloration to color	Yellow-white 158D
<u>Ray florets</u>	
Texture	Upper and under side smooth
Number	160–170
Cross-section	Flat
Longitudinal axis of majority	Straight
Length of corolla tube	0.4 cm
Ray-floret margin	Entire
Ray-floret length	2.1 cm
Ray-floret width	0.5 cm
Ratio length/width	High
Shape of tip	Dentate
<u>Disc florets</u>	Absent
Receptacle shape	Conical raised
<u>Reproductive Organs</u>	
Stamen	Absent
Styles	Thin
Style color	Yellow 13A
Style Length	3 mm
Stigma color	Yellow-green 144A
Stigma Width	1 mm
Ovaries	Enclosed in calyx
<u>Plant</u>	
Form	Grown as a spray type potmum, outdoor mounded and round
Growth habit	Compact and spherical shape
Growth rate	Low
Height	23 cm
Width	33 cm
Stem Color	Grey-brown 199C
Stem Strength	Weak
Stem Brittleness	Not brittle
Stem Anthocyanin Coloration	Absent
Internode length	1–2 cm

TABLE 1-continued

Botanical Description of <i>chrysanthemum</i> plant ‘BOBWHITE’	
Length of lateral branch	From top to bottom 13 cm
Lateral branch color	Green 137C-141C
Lateral branch, attachment	Medium strength
Branching (average number of lateral branches)	Good with 7–8 breaks after pinching
Natural season blooming date	September 20–27
<u>Foliage</u>	
Leaf color	Upper side Green 137B-137C Lower side Green 137C-138B
Color midvein	Upper side Yellow-green 147D Lower side Yellow-green 148D
Size	Small; length 3.5–4.5 cm, width 2–3 cm
Quantity (number per lateral branch)	25–28
Shape	Ovate/obovate
Texture upper side	Glabrous
Texture under side	Pubescent
Venation arrangement	Palmate
Shape of the margin	Serrated
Shape of Base of Sinus Between Lateral Lobes	Rounded
Margin of Sinus Between Lateral Lobes	Diverging
Shape of Base	Acute
Apex	Mucronulate
Petiole length	0.3–0.5 cm
Petiole color	Yellow-green 147D

TABLE 2

<u>Differences with the comparison varieties</u>		
	‘Bobwhite’	‘Jason’
Bloom size	6–6.5 cm	6–7 cm
Bloom type	decorative	Daisy
Color upper side ray-florets	Yellow-white 158D	White 155D
Growth rate	low	high

I claim:

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

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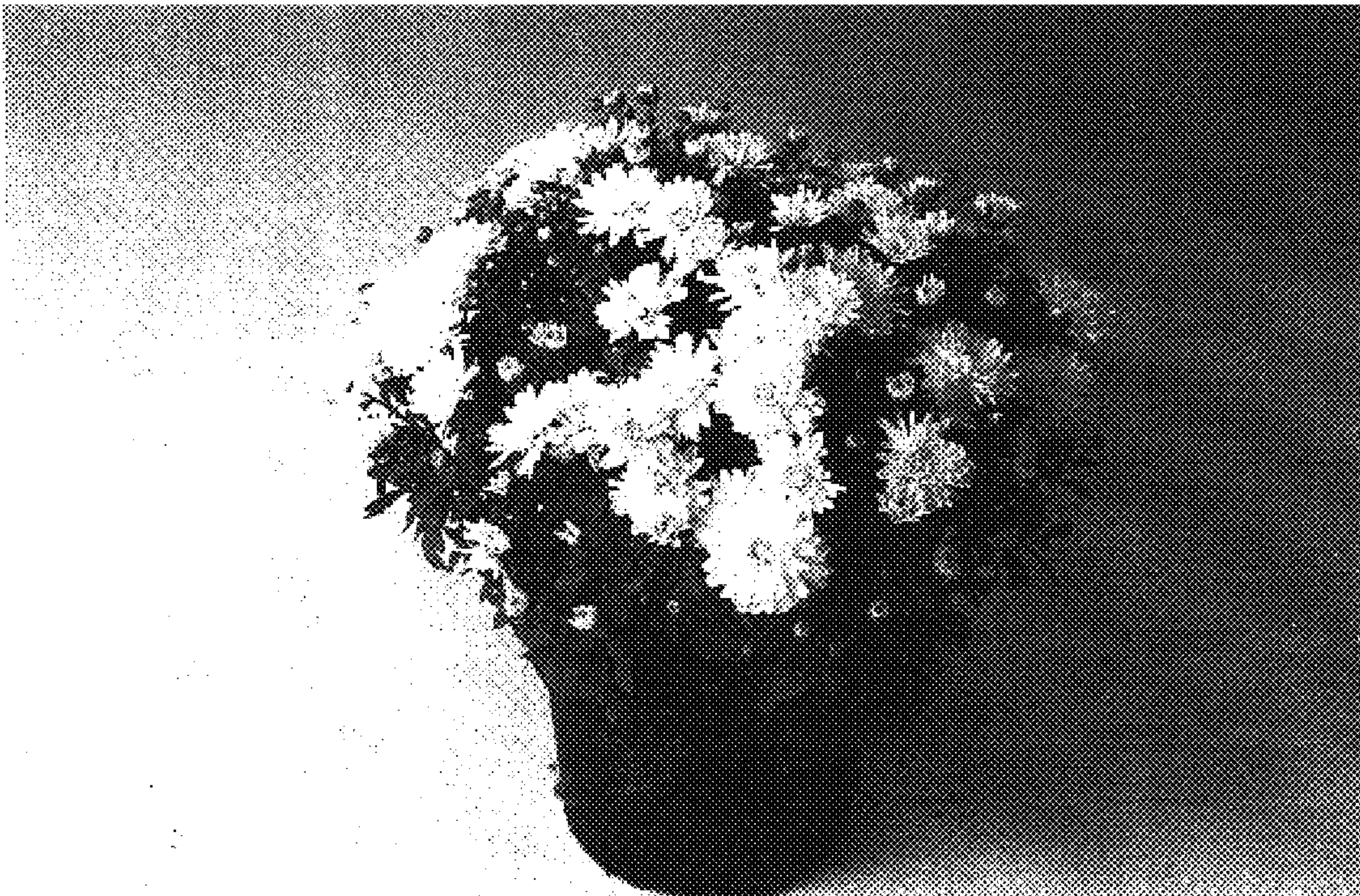


FIG. 1

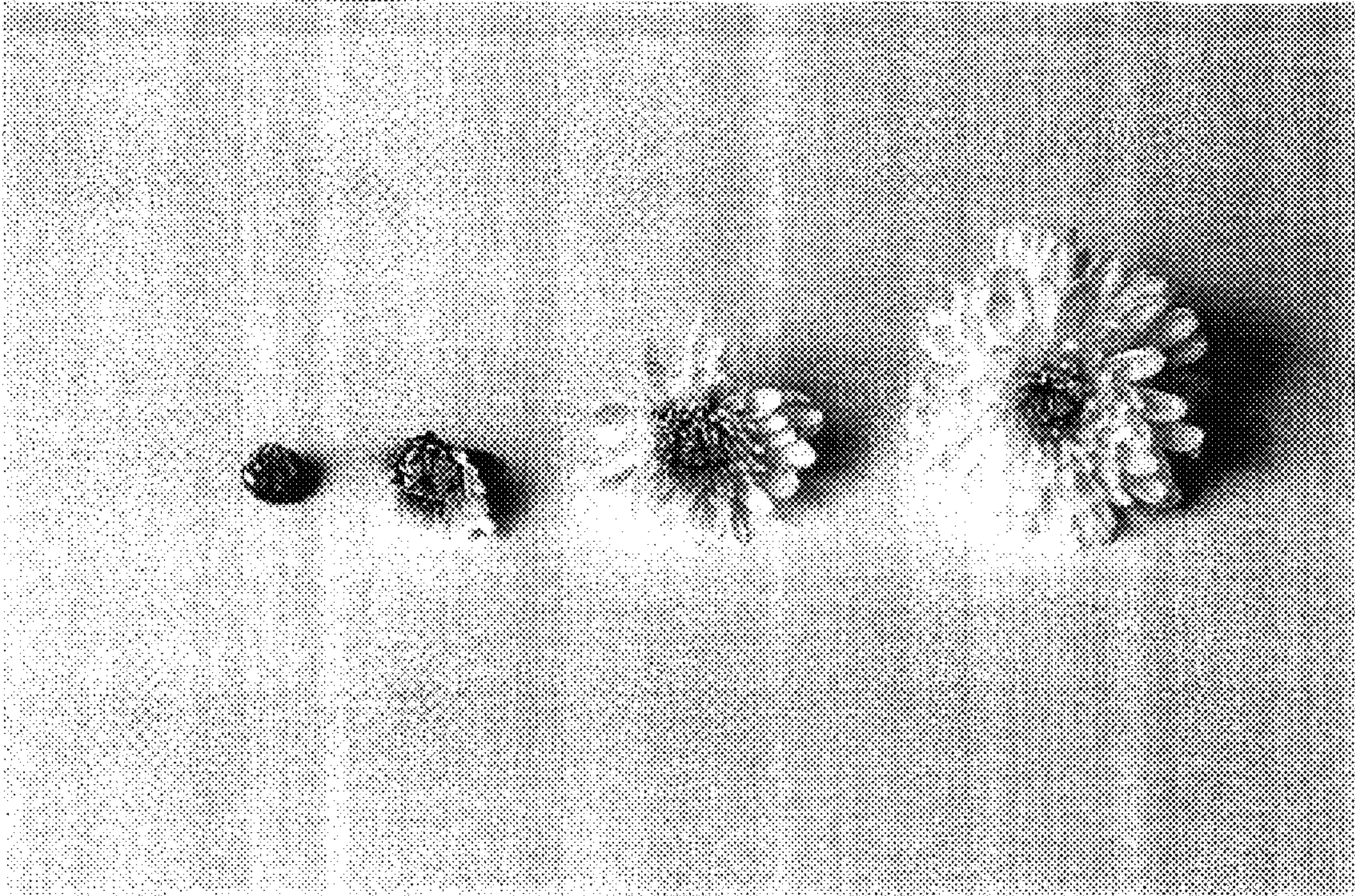


FIG. 2

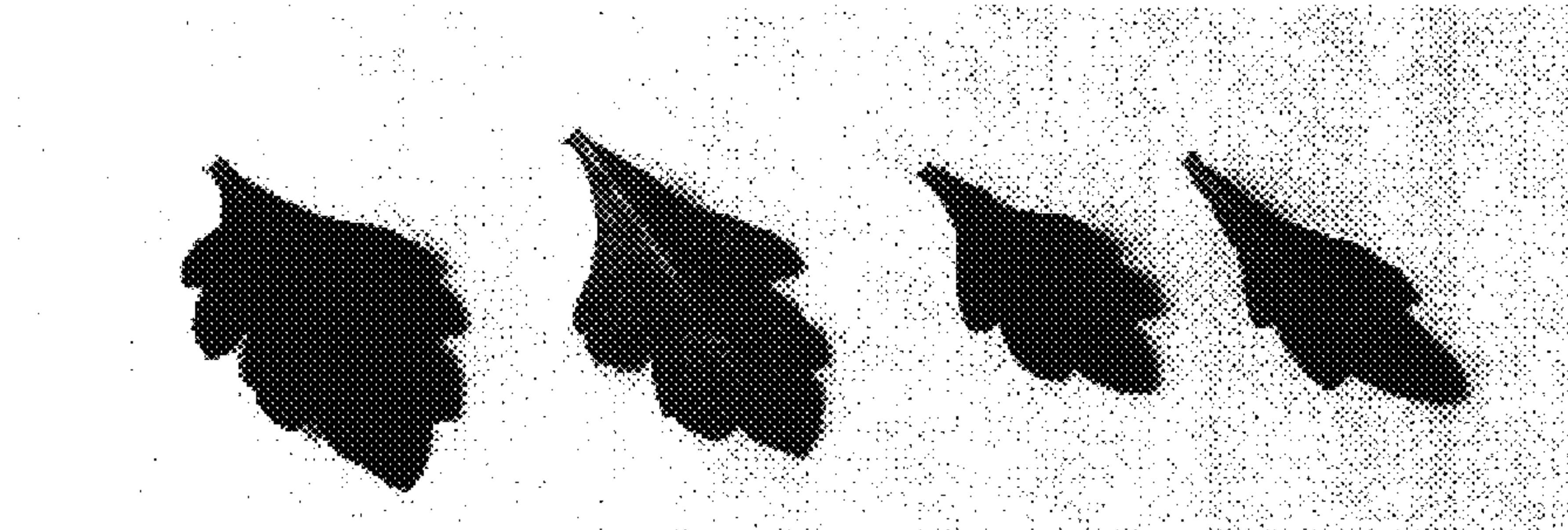


FIG. 3