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

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

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

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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 30 days.

(21) Appl. No.: **10/317,047**

(22) Filed: **Dec. 12, 2002**

(51) **Int. Cl.⁷** **A01H 5/00**

(52) **U.S. Cl.** **Plt./289**

(58) **Field of Search** Plt./289

(56) **References Cited**

PUBLICATIONS

UPOV–Rom hit on ‘Argos’, Plant Variety Database 2003/
03.*

* cited by examiner

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(57) **ABSTRACT**

A chrysanthemum plant named ‘Ceargos’ characterized by
its medium sized blooms with yellow-orange ray florets and
prolific branching; natural season flower date August 19–25;
blooming for a period of 5 weeks.

3 Drawing Sheets

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BACKGROUND OF THE INVENTION

‘Ceargos’ is a product of a breeding and selection program
for outdoor pot mums (garden mums) that had the objective
of creating new chrysanthemum cultivars with a decorative
type flower, a natural season flower date around August
19–25, and blooming for a period of 5 weeks. The new plant
of the present invention, a new and distinct cultivar of
Chrysanthemum plant ‘Ceargos’, is a seedling resulting
from the open pollination among groups of chrysanthemum
cultivars maintained under the control of the inventor for
breeding purposes. The new and distinct cultivar was dis-
covered and selected as one flowering plant by Rob Nood-
elijk on a cultivated field in Rijsenhout, Holland in August
2000. The plant has been asexually reproduced by cuttings
in greenhouses at Rijsenhout, Holland. 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 petiole and 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, Holland under natural day length and
temperature and planted week 22 in 2000 and 2001. The
natural blooming date of this crop was August 19–25 (week
34). The average height of the plants was 26 cms. No growth
retardants were used. No tests were done on disease or insect

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resistance or susceptibility. No tests were done on cold or
drought tolerance. This new variety produces medium sized
blooms with yellow-orange ray florets and a yellow center
blooming for a period of 5 weeks.

5 From the cultivars known to inventor the most similar
existing cultivar in comparison to ‘Ceargos’ is ‘Taffy’. When
‘Taffy’ and ‘Ceargos’ are compared, the following differ-
ences are noticed: The differences of ‘Taffy’ and ‘Ceargos’
are (1) Natural blooming date. ‘Ceargos’ flowers earlier. (2)
10 Bloom color. ‘Ceargos’ has a more even color.

The following is a description of the plant and charac-
teristics that distinguish ‘Ceargos’ as a new and distinct variety.
The color designations are taken from the plant itself.
15 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 Color Chart,
1995 edition.

20 Table 1. Botanical Description of cultivar ‘Ceargos’

Bud:

Size.—Medium; cross-section 1.4 cm, height 1.0 cm.

Outside color.—Yellow-orange 22 A.

25 *Involucral bracts*.—2 rows, length 13–15 cm, width 3
mm.

Involucral bracts among disc-florets.—Not present.

Involucral bracts color.—Yellow-green 148 C.

Bloom:

30 *Type*.—Decorative.

Height.—Medium, 1.5 cm.

Size.—Medium.

Fully expanded.—3.5–4.0 cm.

35 *Number of blooms per branch*.—Approx. 6 blooms per
branch.

Performance on the plant.—5 weeks.

Seeds (if crossed).—Produced in small quantities, ovate
grey-brown 199A, 1½ mm in length.

Fragrance.—Typical chrysanthemum, slight.

Color:
Center of the flower (disc-florets).—Immature yellow-orange 16 A. Mature yellow-orange 14 A.
Color of upper surface of the ray-florets.—Yellow orange 17 A.
Color of the lower surface of the ray-florets.—Yellow-orange 22 A.
Tonality from distance.—A garden mum with yellow-orange flowers and a yellow disc.
Color of the upper surface of the flowers after aging of the plant.—Yellow-orange 22 B.

Ray florets:
Texture.—Upper and under side smooth.
Number.—100–110.
Cross-section.—Flat.
Longitudinal axis of majority.—Straight.
Length of corolla tube.—Short, 0.3 cm.
Ray-floret margin.—Entire.
Ray-floret length.—1.6–1.8 cm.
Ray-floret width.—0.4 cm.
Ratio length/width.—High.
Shape of tip.—Rounded.

Disc florets:
Disc diameter.—0.3 cm.
Distribution of disc florets.—Present in small amounts.
Shape.—Tubular.
Color.—Yellow-orange 24A.
Receptacle shape.—Domed raised.

Reproductive organs:
Stamen (present in disc florets only).—Thin, 3 mm in length.
Stamen color.—Yellow-green 144 A.
Pollen.—Sometimes present.
Pollen color.—Yellow 7 A.
Styles.—Thin.
Style color.—Yellow-green 144 A.
Style length.—4 mm.
Stigma color.—Yellow-green 144 A.
Stigma width.—1 mm.
Ovaries.—Enclosed in calyx.

Plant:
Shape.—Grown as a spray-type pot-mum, outdoor mounded and round.
Growth habit.—Spreading.
Growth rate.—Moderate.

Height.—26 cm.
Width.—30–32 cm.
Stem color.—Yellow-green 147A.
Stem strength.—Strong.
Stem brittleness.—Present.
Stem anthocyanin coloration.—Absent.
Length of lateral branch.—From top to bottom 11–12 cm.
Lateral branch color.—Yellow-green 147 A.
Lateral branch, attachment.—Brittle.
Branching (average number of lateral branches).—Prolific with 8–9 breaks after pinching.
Peduncle length.—5 cm.
Peduncle color.—Yellow-green 147A.
Natural season blooming date.—August 19–25.

Foliage:
Color.—Upper side yellow-green 147A. Under side yellow-green 147C.
Size.—Medium.; length 4.0 cm, width 5.0 cm.
Quantity (number per lateral branch).—12–14.
Shape.—Ovate.
Texture upper side.—Glabrous.
Texture under side.—Pubescent.
Venation arrangement.—Palmate.
Shape of the margin.—Serrated.
Shape of base of sinus between lateral lobes.—Acute.
Margin of sinus between lateral lobes.—Diverging.
Shape of base.—Truncate.
Apex.—Mucronate.

TABLE 2

Differences with the comparison varieties		
	‘CEARGOS’	‘TAFFY’
Color of the upper surface of the ray-florets	Yellow-orange 17A	Center orange 26A Outer florets yellow orange 17A
Natural blooming date	August 19–25	October 3–10

I claim:
1. A new and distinct variety of chrysanthemum plant as described and illustrated.

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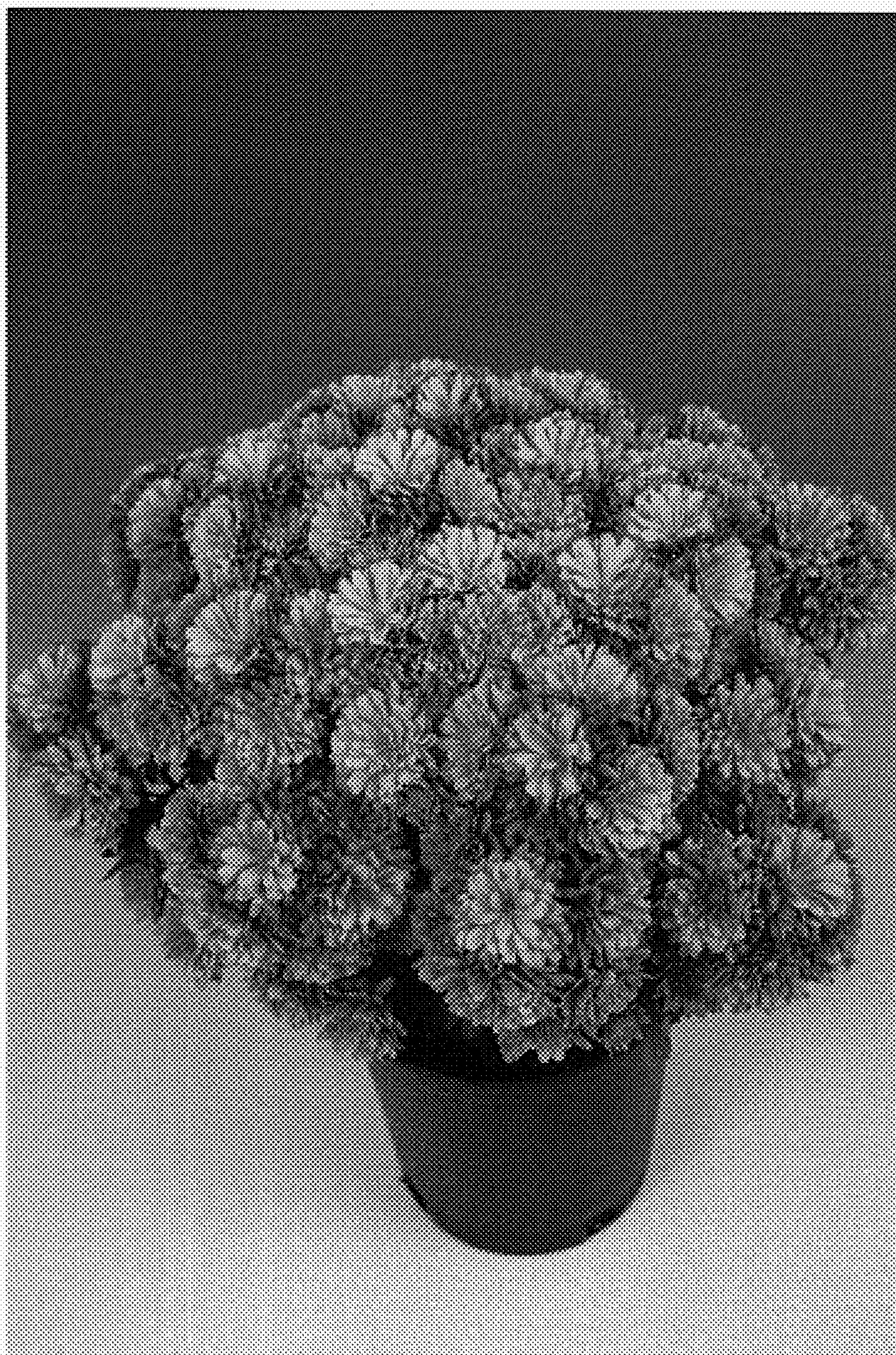


FIG. 1

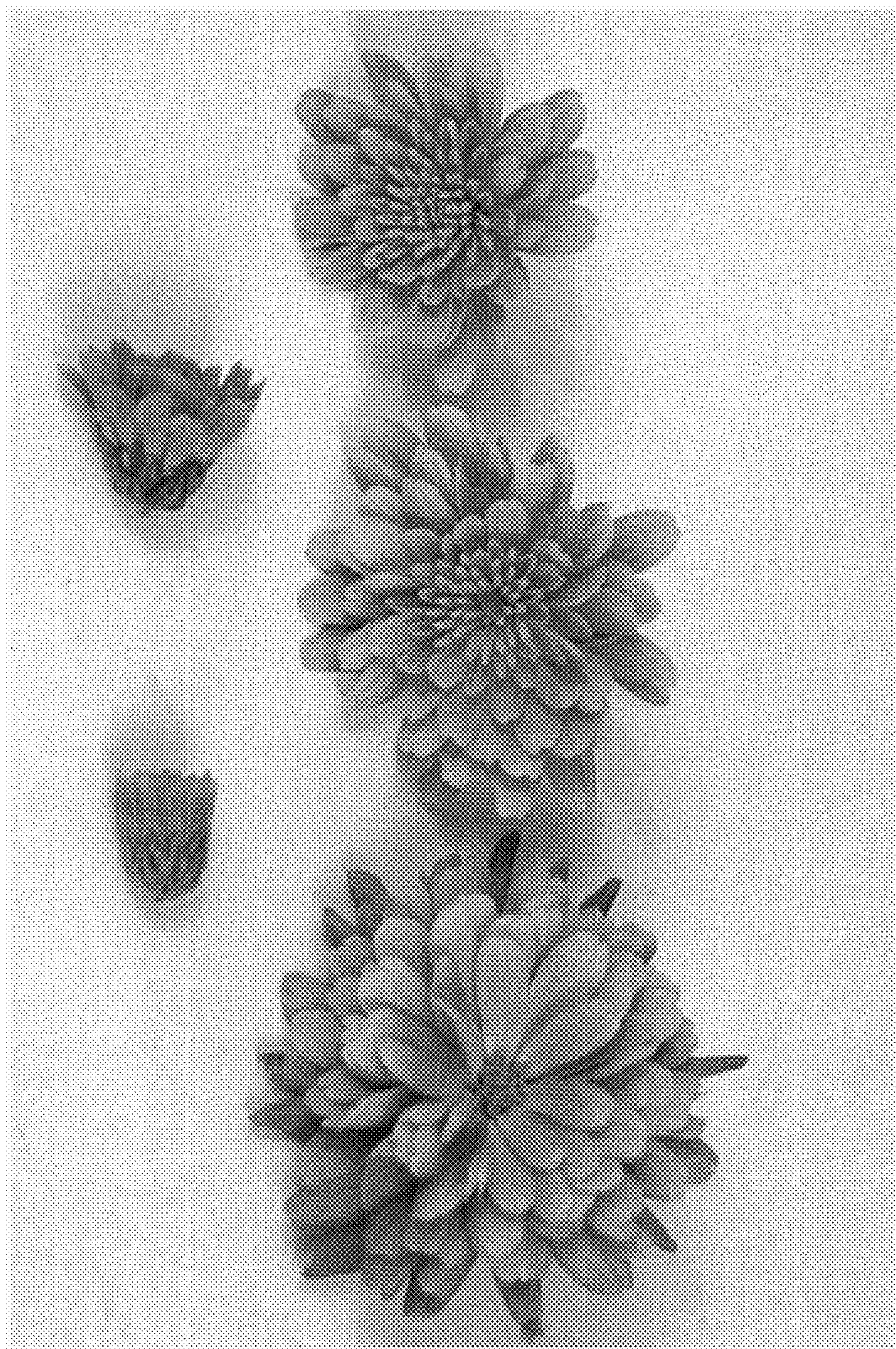


FIG. 2

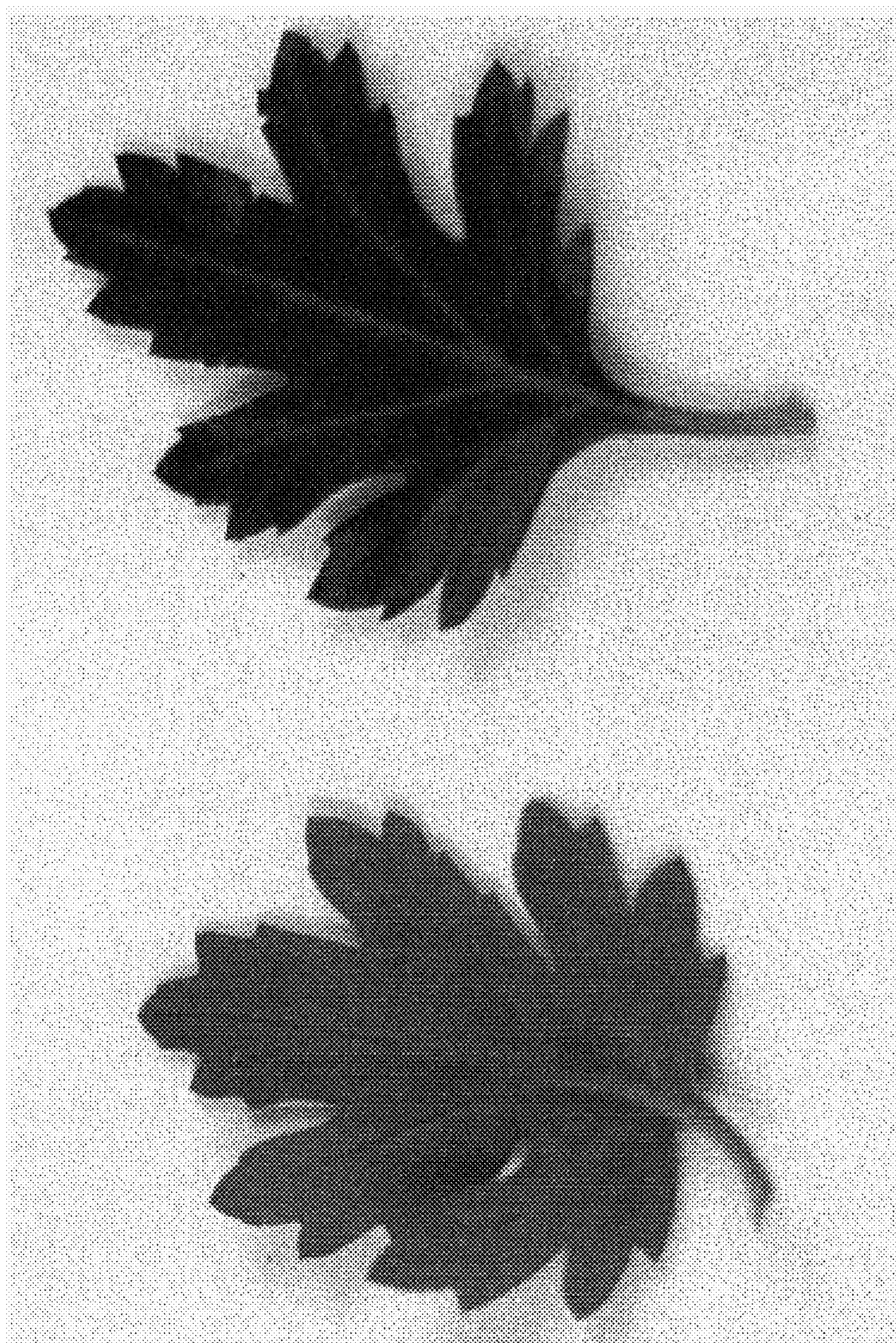


FIG. 3