



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

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

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

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patent is extended or adjusted under 35
U.S.C. 154(b) by 31 days.

(21) Appl. No.: **10/316,869**

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(52) **U.S. Cl. Plt./287**

(58) **Field of Search Plt./287**

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(57) **ABSTRACT**

A chrysanthemum plant named 'Iduna' characterized by its
medium sized blooms with yellow ray florets and prolific
branching; natural season flower date August 12–17; bloom-
ing for a period of 5 weeks.

3 Drawing Sheets

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BACKGROUND OF THE INVENTION

'Iduna' 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 12–17; blooming for a period of 5 weeks. The new
plant of the present invention comprises a new and distinct
cultivar of Chrysanthemum plant 'Iduna' is a seedling result-
ing from the open pollination among groups of chrysanthem-
um cultivars maintained under the control of the inventor
for breeding purposes. The new and distinct cultivar was
discovered and selected as one flowering plant by Rob
Noodelijk 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 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 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 data of this crop was August 12–17 (week
33). 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
drought tolerance. This new variety produces medium sized
blooms with yellow ray florets and a red center blooming for
a period of 5 weeks. From the cultivars known to inventor

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the most similar existing cultivar in comparison to 'Iduna' is
'Ginger' (U.S. Plant Pat. No. 6,403). when 'Ginger' and
'Iduna' are being compared the following differences are
noticed: The differences of 'Ginger' and 'Iduna' are (1)
Flower color. Both varieties are two-tone decorative types,
with a darker colored center. The color of the center of
'Iduna' is darker and the outer ray-florets of 'Iduna' are more
bright yellow. (2) Natural flowering date. 'Iduna' flowers
earlier.

The following is a description of the plant and character-
istics that distinguish 'Iduna' 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 color chart,
edition 1995.

Table 1. Botanical Description of Cultivar 'Iduna'

Bud:

Size.—Medium; cross-section 1.5 cm, height 1.2 cm.

Outside color.—Greyed-red 179A.

Involucral bracts.—2 rows, length 7 mm, width 3 mm.

Involucral bracts among disc-florets.—Not present.

Involucral bracts color.—Green 138B.

Bloom:

Type.—Decorative.

Height.—Medium 1.5 cm.

Size.—Medium.

Fully expanded.—4.5–5.0 cm.

Number of blooms per branch.—Approx. 6–8 blooms
per branch.

Performance on the plant.—5 weeks.

Seeds: Produced in small quantities, ovate grey-brown
199A, 1½ mm in length.

Fragrance: Typical chrysanthemum, slightly.

Color:

Center of the flower.—Immature greyed-red 179 A.

Mature grey-red 179A.

Color of upper surface of the ray-florets.—Yellow-
orange 22 C.

Color of the lower surface of the ray-florets.—Yellow-
orange 22 A.

Tonality from distance.—A garden mum with yellow flowers and a red disc.
Color of the upper surface of the ray-florets after aging of the plant.—Yellow-orange 22 C.

Ray florets:
Texture.—Upper and under side smooth.
Number.—190–210.
Cross-section.—Concave.
Longitudinal axis of majority.—Reflexing.
Length of corolla tube.—1.0–1.2 cm.
Ray-floret margin.—Entire.
Ray-floret length.—2.0–2.2 cm.
Ray-floret width.—0.4–0.6 cm.
Ratio length/width.—High.
Shape of tip.—Rounded.

Disc Florets: None.
Receptacle shape: Domed raised.
Reproductive organs:
Stamen.—Absent.
Pollen.—None.
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/slow.
Height.—25 cm.
Width.—30–32 cm.
Stem Color.—Yellow-green 147B.
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 147B.
Lateral branch, attachment.—Brittle.
Branching (average number of lateral branches).—Good with 5–6 breaks after pinching.
Peduncle length.—8–9 cm.
Peduncle color.—Yellow-green 147B.
Natural season blooming date.—August 12–17.

Foliage:
Color.—Upper side yellow-green 147 A. Under side yellow-green 147 C.
Size.—Small; length 4.5 cm, width 4.0 cm.
Quantity (number per lateral branch).—6–7.
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.—Round.
Margin of sinus between lateral lobes.—Diverging.
Shape of base.—Acute.
Apex.—Mucronate.

TABLE 2

<u>Differences with the comparison varieties</u>		
	'IDUNA'	'GINGER'
Color of the center of the flower	Greyed-red 179 A	Greyed-red 280 B
Color of the upper surface of the outer ray-florets	Yellow-orange 22 C	Yellow-orange 22 A
Natural flowering date	August 12–17	September 17–25

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

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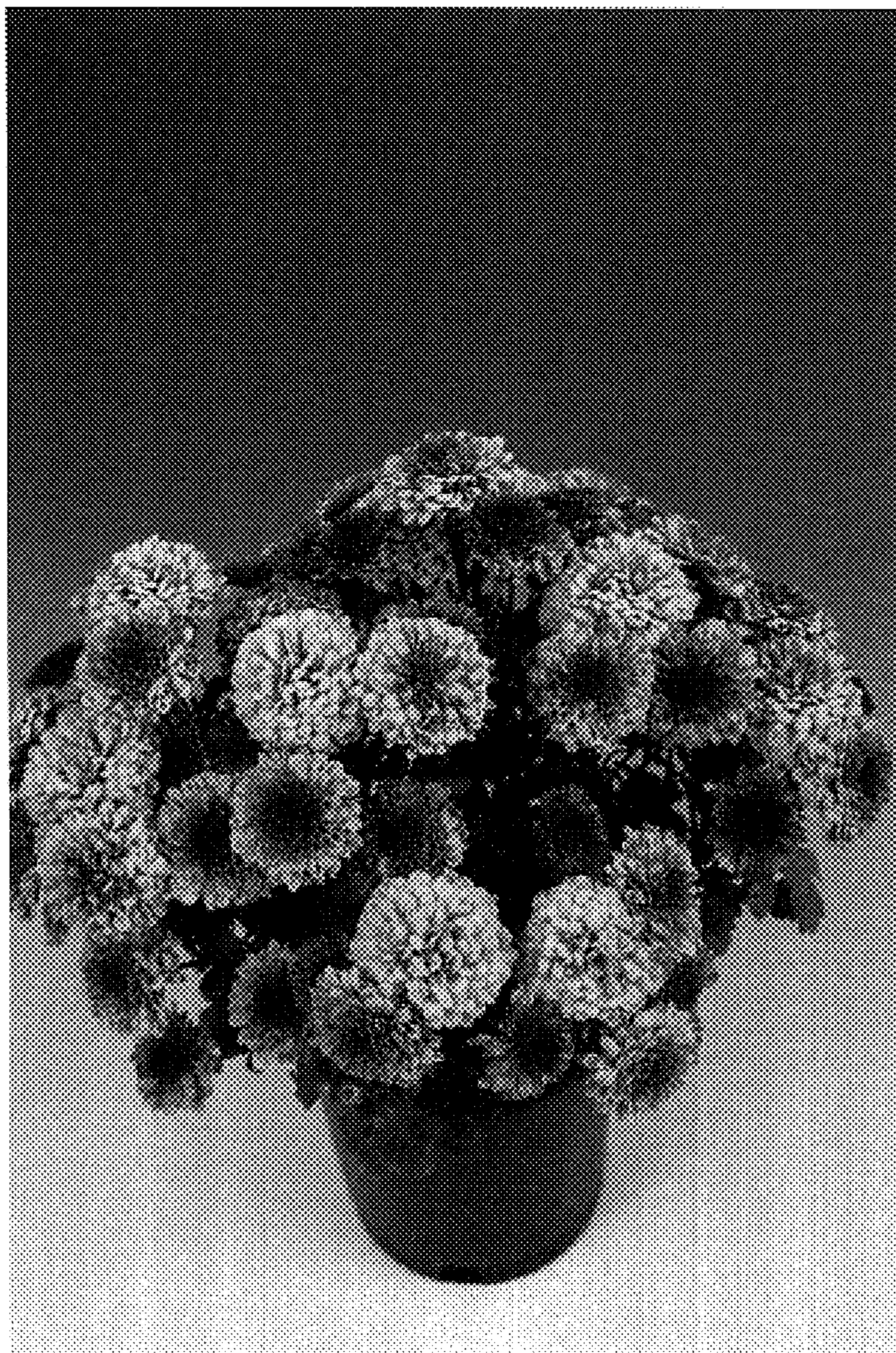


FIG. 1



FIG. 2

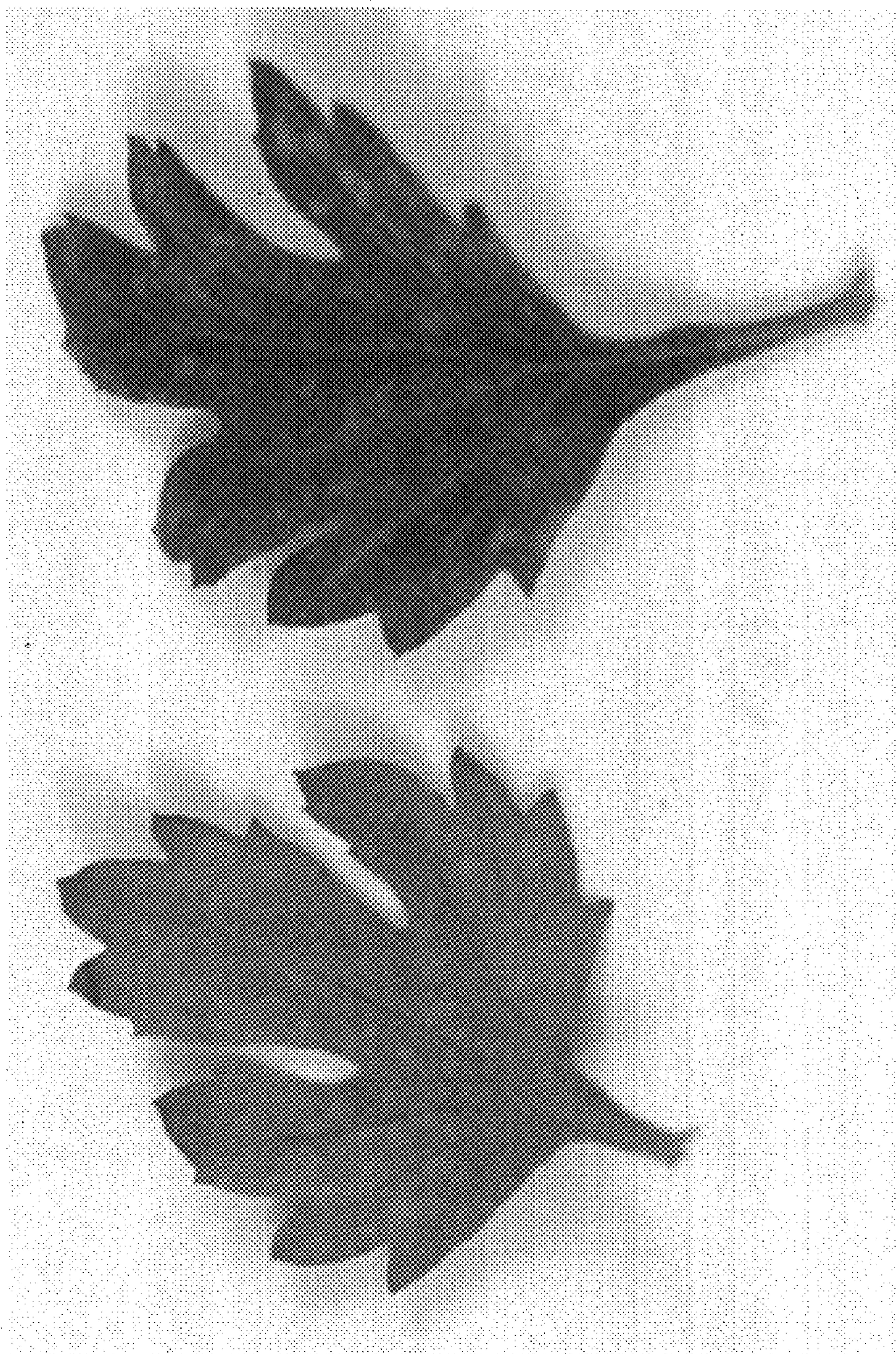


FIG. 3