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

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

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

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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 64 days.

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(51) **Int. Cl.**<sup>7</sup> ..... **A01H 5/00**

(52) **U.S. Cl.** ..... **Plt./297**

(58) **Field of Search** ..... **Plt./297**

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(57) **ABSTRACT**

A chrysanthemum plant named 'Medusa' characterized by  
its medium sized blooms with pink ray florets and prolific  
branching; natural season flower date September 1–7;  
blooming for a period of 5 weeks.

**3 Drawing Sheets**

**1**

**BACKGROUND OF THE INVENTION**

'Medusa' 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  
September 1–7; blooming for a period of 5 weeks. The new  
plant of the present invention comprises a new and distinct  
cultivar of Chrysanthemum plant 'Medusa' is a seedling  
resulting from the open pollination among groups of chry-  
santhemum cultivars maintained under the control of the  
inventor for breeding purposes. The new and distinct culti-  
var was discovered and selected as one flowering plant by  
Rob Noodelijk on a cultivated field in Rijsenhout Holland in  
September 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 date of this crop was September 1–7 (week  
36). 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 pink ray florets and a purple center blooming  
for a period of 5 weeks.

**2**

From the cultivars known to inventor the most similar  
existing cultivar in comparison to 'Medusa' is 'Soft Lynn'  
(U.S. Plant Pat. No. 8,898). When 'Soft Lynn' and 'Medusa'  
are being compared the following differences are noticed:  
The differences of 'Soft Lynn' and 'Medusa' are (1) Flower  
form. Both 'Medusa' and 'Soft Lynn' have two-tone deco-  
rative blooms with the same type of color, in 'Medusa'  
however disc-florets are present in the highly mature flow-  
ers. (2) Natural flowering date. 'Medusa' flowers earlier than  
'Soft Lynn'.

The following is a description of the plant and charac-  
teristics that distinguish 'Medusa' 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 Cultivar 'Medusa'**

**Bud:**

*Size.*—Small; cross-section 1.0 cm, height 1.1 cm.

*Outside color.*—Red-purple 65B.

*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.*—Flat. 1.5 cm.

*Size.*—Medium.

*Fully expanded.*—4.0–4.5 cm.

*Number of blooms per branch.*—Approx. 7–9 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 (disc-florets when mature).*—  
Immature red-purple 64 D. Mature yellow-green 144  
A.

*Color of upper surface of the ray-florets.*—Red-purple 65 C.

*Color of the lower surface of the ray-florets.*—Red-purple 65 C.

*Tonality from distance.*—A garden mum with pink flowers and a purple disc.

*Color of the upper surface the ray-florets after aging of the plant.*—Red-purple 65 C.

Ray florets:

*Texture.*—Upper and under side smooth.

*Number.*—130–140.

*Cross-section.*—Concave.

*Longitudinal axis of majority.*—Incurving.

*Length of corolla tube.*—Short. 0.7 cm.

*Ray-floret margin.*—Entire.

*Ray-floret length.*—2.0–2.2 cm.

*Ray-floret width.*—0.5 cm.

*Ratio length/width.*—High.

*Shape of tip.*—Rounded.

Disc florets:

*Disc diameter.*—0.3 cm.

*Distribution of disc florets.*—Numerous, visible when mature.

*Shape.*—Tubular.

*Color.*—Yellow-green 144 A.

*Receptacle shape.*—Domed raised.

Reproductive organs:

*Stamen (present in disc florets only).*—Thin. 3 mm in length.

*Stamen color.*—Yellow-green 144 A.

*Pollen.*—Present in small amount.

*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.*—25 cm.

*Width.*—38–40 cm.

*Stem color.*—Green 137 B.

*Stem strength.*—Strong.

*Stem brittleness.*—Brittle.

*Stem anthocyanin coloration.*—Absent.

*Length of lateral branch.*—From top to bottom 12–13 cm.

*Lateral branch color.*—Green 137 B.

*Lateral branch, attachment.*—Brittle.

*Branching (average number of lateral branches).*—Good with 9 breaks after pinching.

*Peduncle length.*—5.5 cm.

*Peduncle color.*—Green 137 B.

*Natural season blooming date.*—September 1–7.

Foliage:

*Color.*—Upper side green 137 A. Under side green 137 C.

*Size.*—Small.; length 5.0 cm, width 4.0 cm.

*Quantity (number per lateral branch).*—9–11.

*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.*—Obtuse.

*Apex.*—Mucronate.

TABLE 2

<u>Differences with the comparison varieties</u>		
	'MEDUSA'	'SOFT LYNN'
Color of the center of the immature flower	Red-purple 64 D	Red-purple 65 A
Color of the center of the mature flower	Disc florets: yellow-green 144 A	No disc-florets: red-purple 65 A
Natural Flowering date	September 1–7	September 18–25

I claim:

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

\* \* \* \* \*



FIG. 1

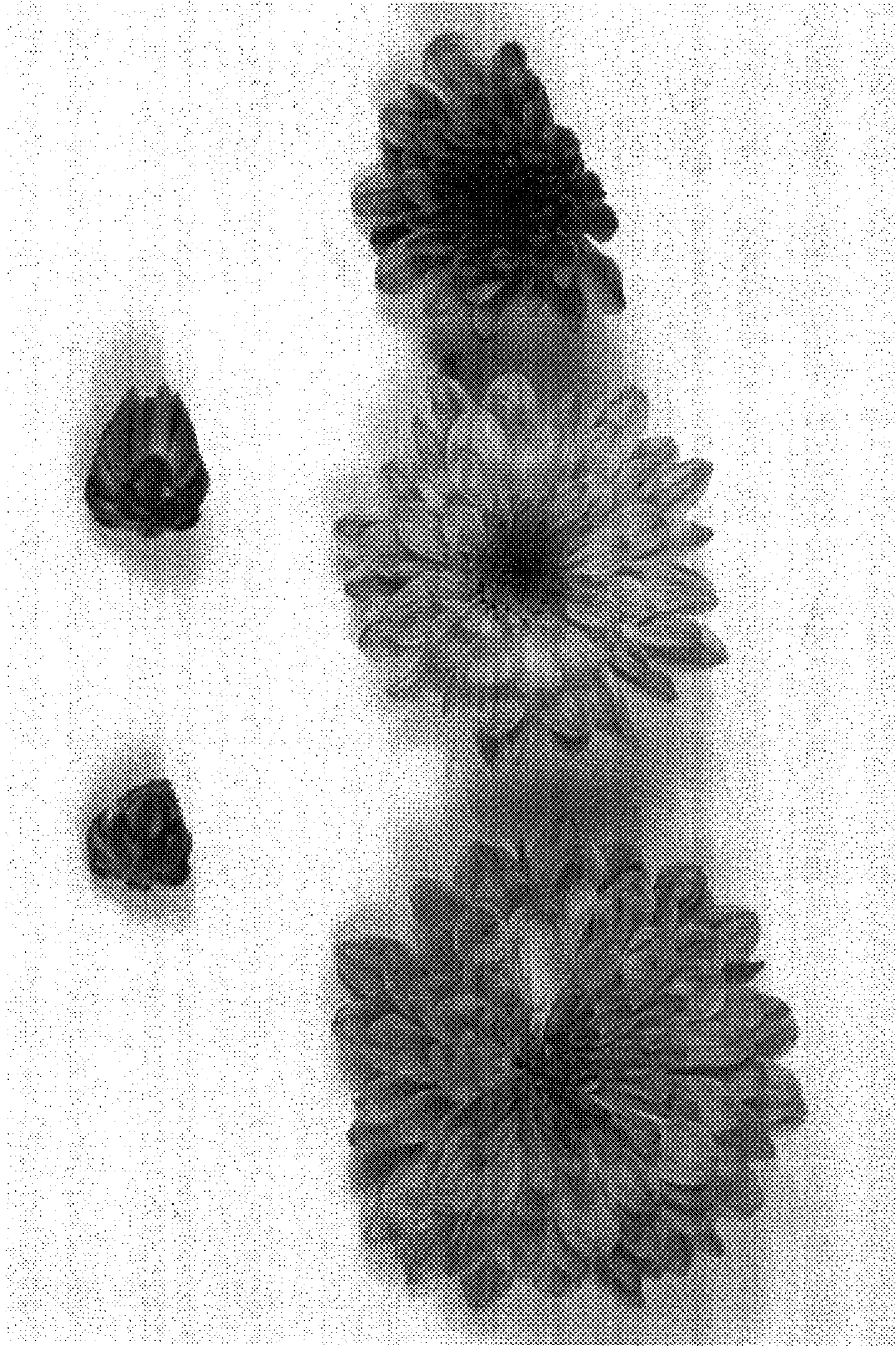


FIG. 2

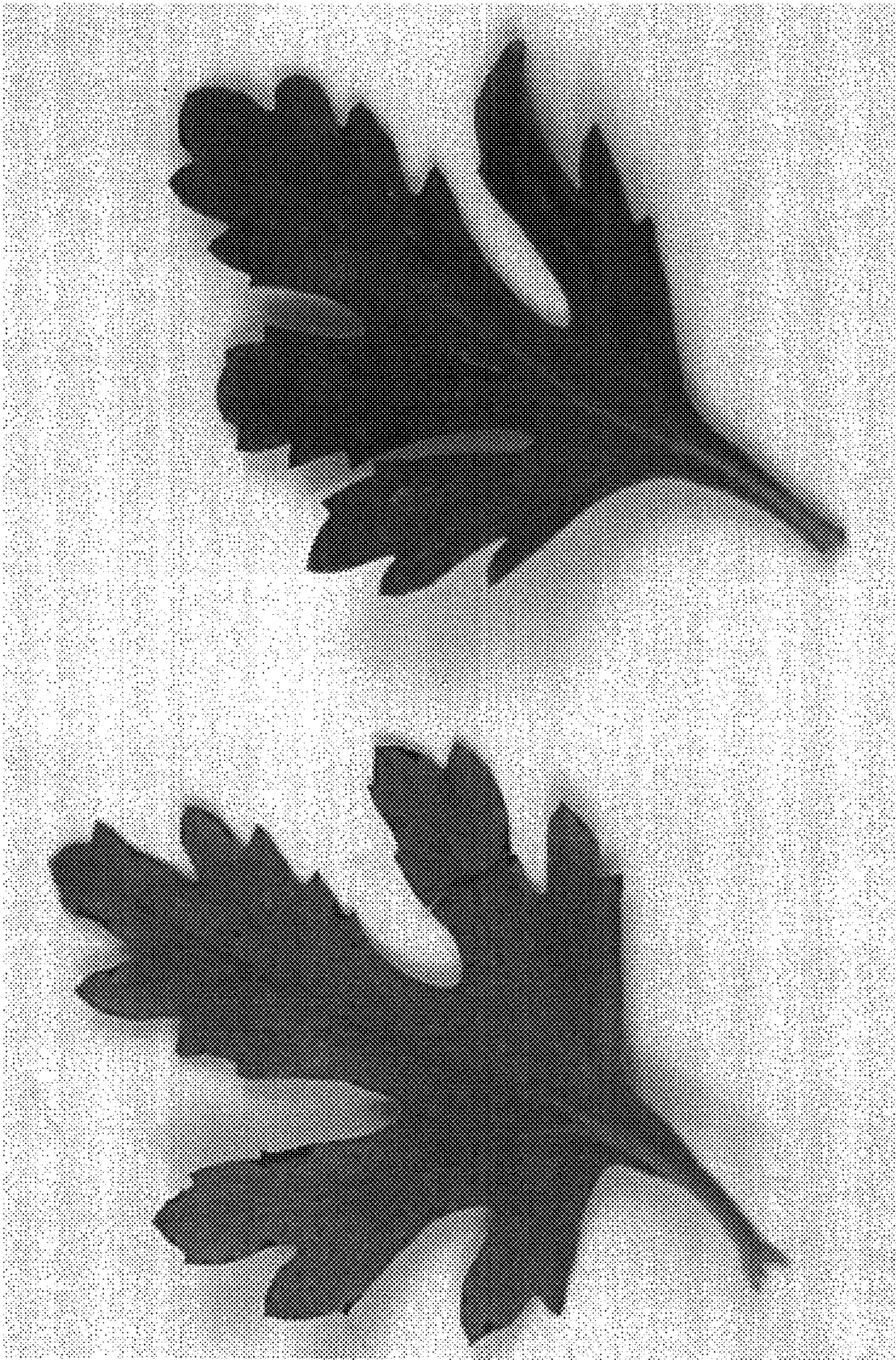


FIG. 3