

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

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(54) **PHILODENDRON PLANT NAMED**
‘TWYPH0007’

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

(50) Latin Name: ***Philodendron selloum***
Varietal Denomination: **TWYPH0007**

(52) **U.S. Cl.** **Plt./381**

(58) **Field of Classification Search** **Plt./381**
See application file for complete search history.

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(57) **ABSTRACT**

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

A new *Philodendron* plant particularly distinguished by
yellowish-green to green and dense foliage, a compact
growth habit and ovate to narrow-ovate shaped foliage with
pinnatifid margins and deep lobes, is disclosed.

(21) Appl. No.: **11/803,223**

3 Drawing Sheets

(22) Filed: **May 14, 2007**

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Genus and species: *Philodendron selloum*.
Variety denomination: ‘TWYPH0007’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct culti-
var of *philodendron* plant, botanically known as *Philoden-*
dron selloum, and hereinafter referred to by the cultivar
name ‘TWYPH0007’. The new cultivar is the result of a
somaclonal variant of *Philodendron selloum* ‘Winterbourn’
(U.S. Plant Pat. No. 7,030) from approximately 10,000
micropropagated plants of the original cultivar in 1999 in
Nonthaburi, Thailand.

The new cultivar was created in 1999 in Nonthaburi, Thai-
land and has been asexually reproduced repeatedly by
micropropagation and division in Nonthaburi, Thailand over
an eight-year period. ‘TWYPH0007’ has not been observed
under all possible environmental conditions. The present
invention has been found to retain its distinctive characteris-
tics through successive asexual propagations.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing
characteristics of this new cultivar when grown under nor-
mal horticultural practices in Nonthaburi, Thailand.

1. Yellowish-green to green-colored and dense foliage;
2. A compact growth habit; and
3. Ovate to narrow-ovate shaped foliage with pinnatifid
margins and deep lobes.

DESCRIPTION OF THE PHOTOGRAPHS

This new *philodendron* plant is illustrated by the accom-
panying photographs which show the overall plant habit and
the immature and mature foliage of the plant; the colors
shown are as true as can be reasonably obtained by conven-
tional photographic procedures. The photographs are of a
7-year-old plant with immature and mature foliage grown
under 50% shade conditions outdoors in Nonthaburi, Thai-
land.

FIG. 1 shows the overall plant habit.

FIG. 2 shows the upper surface of an immature leaf.

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FIG. 3 shows the lower surface of an immature leaf.

FIG. 4 shows the upper surface of a mature leaf.

FIG. 5 shows the lower surface of a mature leaf.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed descriptions set forth the distinc-
tive characteristics of ‘TWYPH0007’. The data which define
these characteristics were collected from asexual reproduc-
tions carried out in Nonthaburi, Thailand. The plant history
was taken on 7-year-old plants having two suckers and
grown under 50% shade conditions in Nonthaburi, Thailand.
Color readings were taken under natural light. Color refer-
ences are primarily to the R.H.S. Colour Chart of The Royal
Horticultural Society of London (R.H.S.) (2001).

**DETAILED BOTANICAL DESCRIPTION OF THE
NEW PLANT**

Classification:

Family.—Araceae.

Botanical.—*Philodendron selloum*.

Common name.—Split leaf or tree *philodendron*.

Parentage: A somaclonal variant of *Philodendron selloum*
‘Winterbourn’ (U.S. Plant Pat. No. 7,030).

Growth:

Growth and branching habit.—Upright and rarely
branched; leaves form a dense head; stems have very
short internodes with leaf scars that are crowded
together.

Height (from soil line to the top).—70 cm to 90 cm.

Width.—90 cm to 110 cm.

Stem:

Average number per plant.—1.

Diameter (for a 7-year-old plant).—3.0 cm to 3.5 cm.

Internode length.—1.5 cm to 3 cm.

Color.—Approximately RHS 200C; leaf scar is
approximately RHS 196A.

Leaves:

Size.—Length: 22 cm to 35 cm. Width: 12 cm to 20 cm.

Shape.—Ovate to narrow-ovate.

Apex.—Acuminate.

Base.—Truncate.

Margin.—Slightly recurved pinnatifid margin with 5 to 8 pairs of lobes.

Aspect.—Alternate arrays.

Lobes.—Side lobes taper on immature leaves; as leaves mature, the side lobes are nearly parallel and slightly curved towards the terminal lobe; the terminal lobe is poorly separated from the adjacent lobes; the lobes are pointed about 50 degrees forward; the lobes are obtuse to acute.

Venation pattern.—Primary veins are sub-opposite to alternate.

Color (immature leaves).—Upper surface: RHS 150B. Lower surface: RHS 150C.

Color (mature leaves).—Upper surface: RHS 139B. Lower surface: RHS 141C.

Texture (both immature and mature).—Smooth and glabrous.

Appearance (both immature and mature).—Glossy.

Venation and midrib color (immature leaves).—Upper surface: RHS 150B. Lower surface: RHS 179D, with the midrib-petiole joint flushed with RHS 171C.

Venation color (mature leaves).—Upper surface: RHS 141C. Lower surface: RHS 139D with the midrib-petiole joint flushed with RHS 183C.

Petiole (from fourth expanded leaf from the apex).—Aspect: Straight, about 30 degrees to 40 degrees from the vertical axis. Length: 35 cm to 40 cm. Diameter (mid-section): 0.5 cm to 0.7 cm. Immature color: RHS 154B and proximal end near RHS 171C. Mature color: RHS 144B and proximal end near RHS 183C. Texture: Smooth.

Inflorescence: None observed.

Reproductive organs: None observed.

Fruit and seed set: No seed set observed so far.

Disease and insect resistance: No particular resistance or susceptibility has been observed.

COMPARISON WITH PARENTAL AND COMMERCIAL CULTIVARS

‘TWYPH0007’ differs from the parental cultivar ‘Winterbourn’ (U.S. Plant Pat. No. 7,030) in that ‘TWYPH0007’ has yellowish-green to green foliage, while ‘Winterbourn’ has green foliage. Additionally, the growth rate of ‘TWYPH0007’ is approximately 10% to 15% lower than that of ‘Winterbourn’.

‘TWYPH0007’ differs from the commercial cultivar ‘Pastel Sport #2’ (U.S. Plant Pat. No. 16,123) in that ‘TWYPH0007’ has immature leaves which are yellowish-green with light greyed-red venation, while ‘Pastel Sport #2’ has immature leaves that are yellow-orange with pink venation. Additionally, ‘TWYPH0007’ has a longer internode length (1.5 cm to 3 cm) and leaves that have an acuminate apex and truncate base, while ‘Pastel Sport #2’ has a shorter internode (0.5 cm to 1.0 cm) and leaves that have an acute apex and hastate base.

I claim:

1. A new and distinct cultivar of *Philodendron* plant as shown and described herein.

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FIG. 1

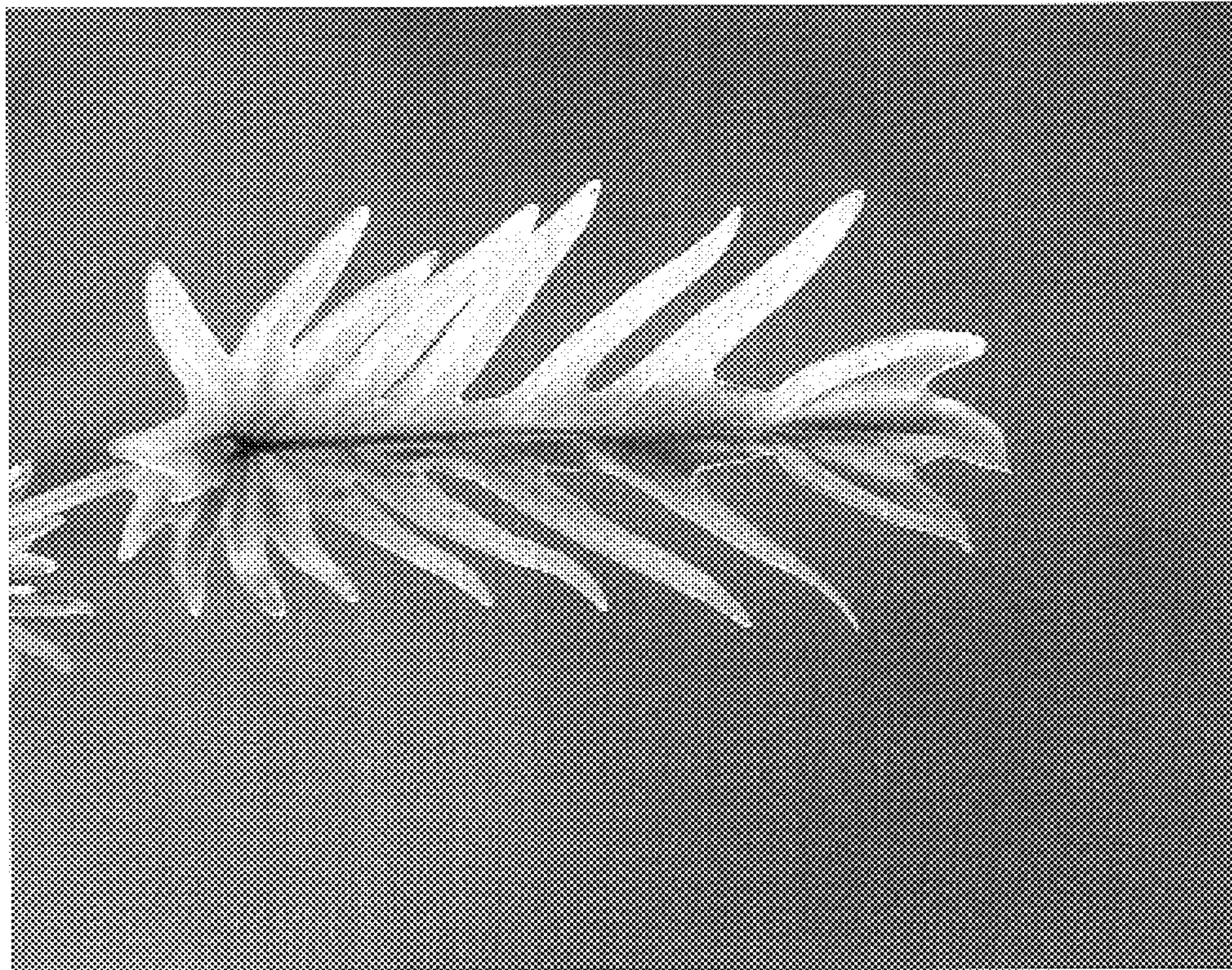


FIG. 2

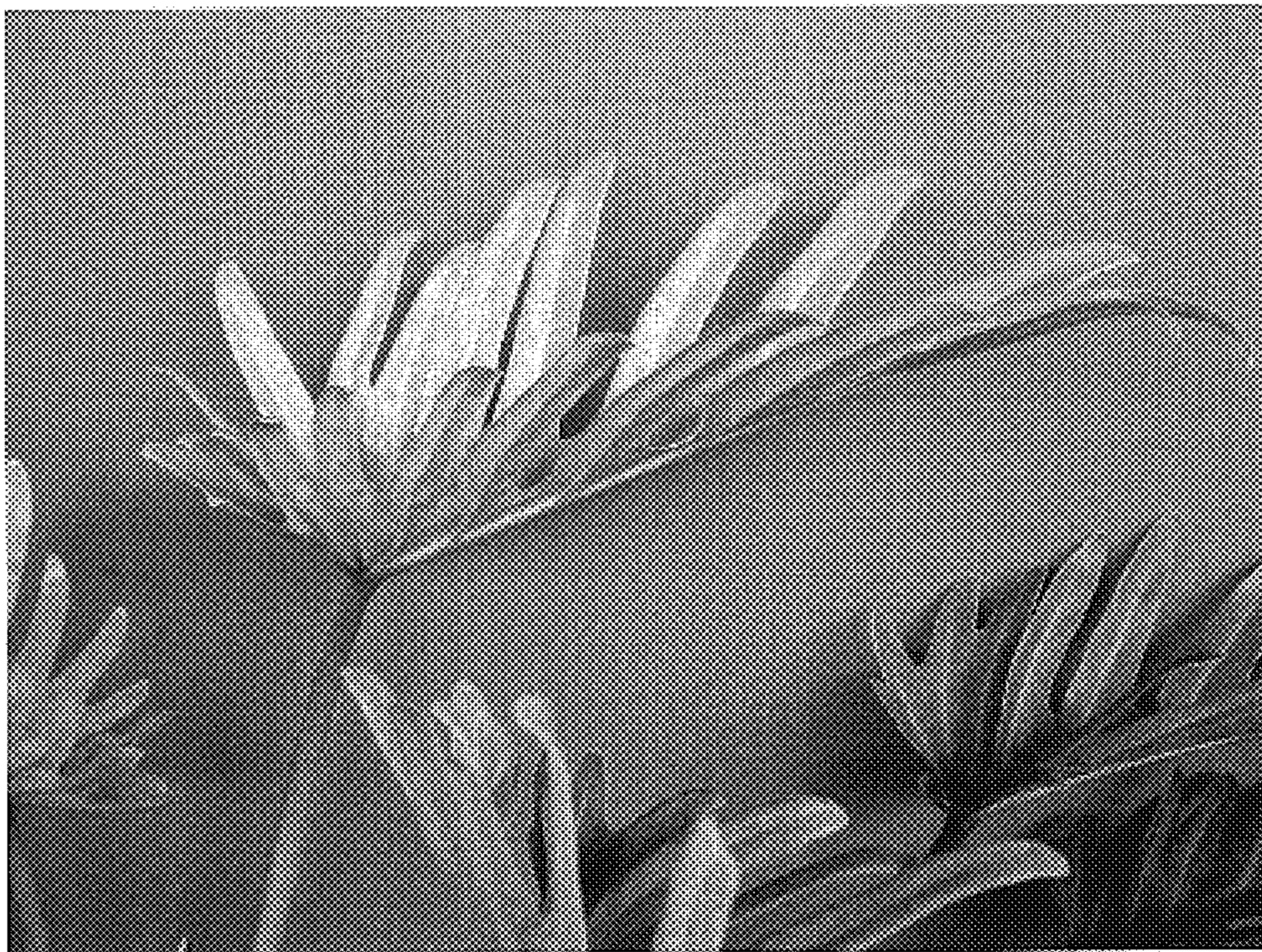


FIG. 3

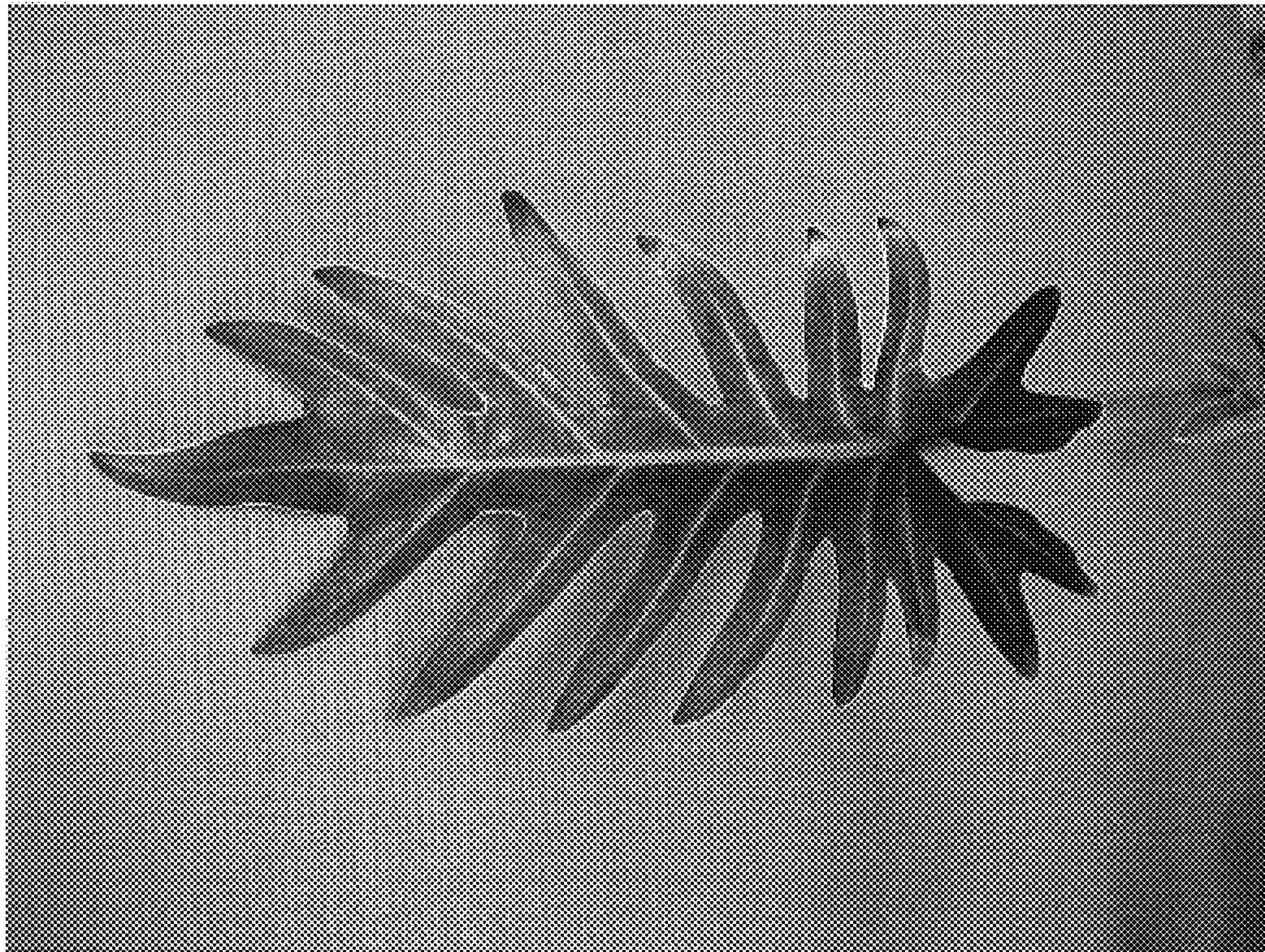


FIG. 4

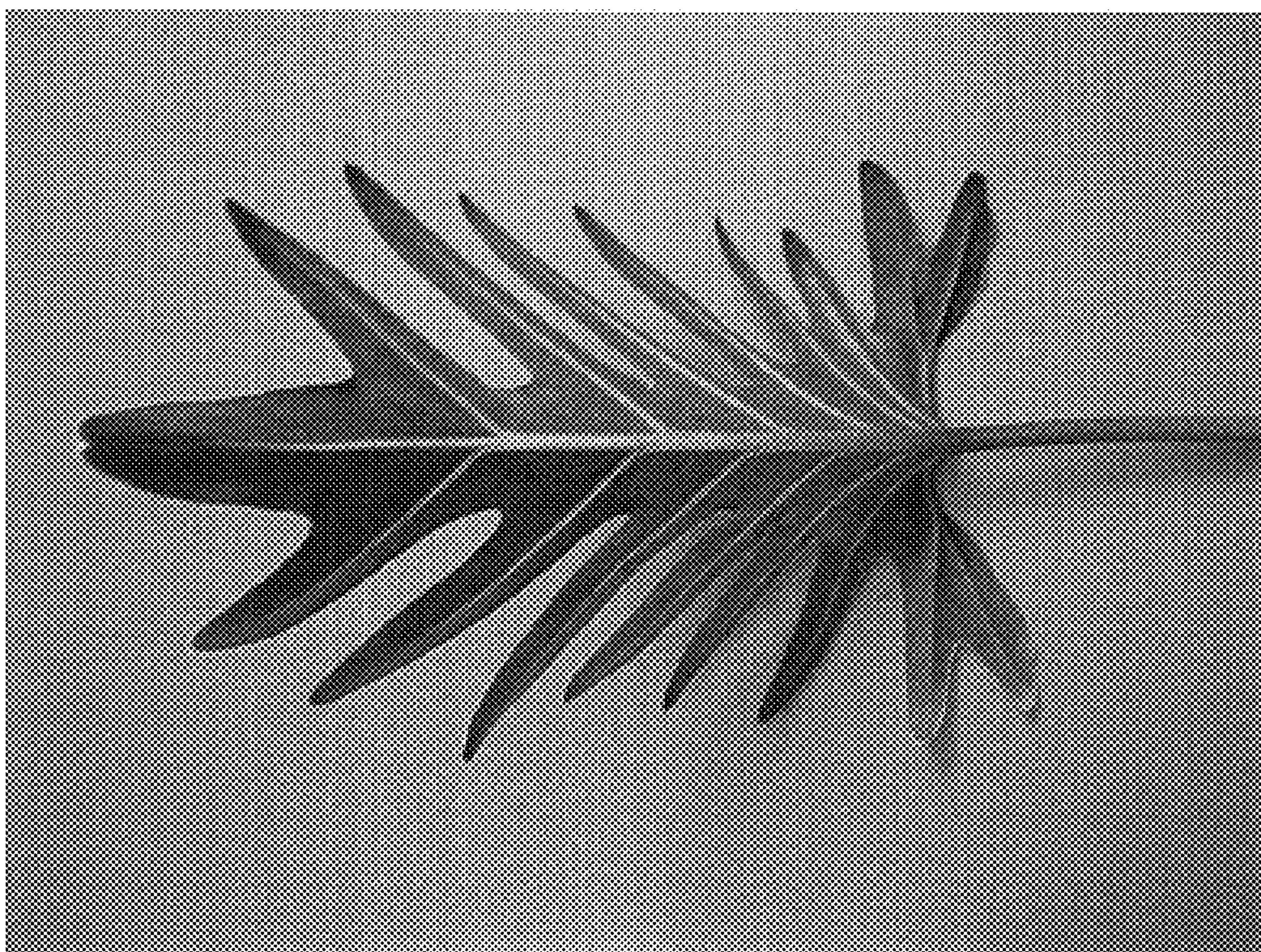


FIG. 5