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Warren et al.

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(54) **CALLA LILY PLANT NAMED ‘SOLID GOLD BLZ’**

(50) Latin Name: ***Zantedeschia* spp.**
Varietal Denomination: **Solid Gold BLZ**

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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 0 days.

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US 2013/0097757 P1 Apr. 18, 2013

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

(52) **U.S. Cl.**
USPC **Plt./490**

(58) **Field of Classification Search**
USPC **Plt./490**
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

UPOV-PLUTO Plant Variety Database, 2012-05, cultivar name ‘Solid Gold BLZ’.*

* cited by examiner

Primary Examiner — Susan McCormick Ewoldt

(57) **ABSTRACT**

A calla lily plant particularly distinguished by yellow spathes, medium density maculation of the leaves that is visible from both sides of the leaf and produces 2 to 4 inflorescences per 3-cm tuber, is described.

3 Drawing Sheets

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Genus and species: *Zantedeschia* spp.
Variety denomination: ‘Solid Gold BLZ’.

BACKGROUND OF THE NEW PLANT

The present invention comprises a new and distinct cultivar of calla lily, botanically known as *Zantedeschia* spp., and hereinafter referred to by the cultivar name ‘Solid Gold BLZ’. The new cultivar was asexually reproduced by tissue culture resulting from the cross of the female parent an unnamed, unpatented *Zantedeschia* variety having yellow spathes and the male parent an unnamed, unpatented *Zantedeschia* variety having yellow spathes. ‘Solid Gold BLZ’ is a product of a planned breeding program intended to create new calla lily plants with yellow spathes.

The new cultivar was created in Tauranga, New Zealand and has been asexually reproduced repeatedly by micro-propagation by tissue culture in India over a two year period. The present invention has been found to retain its distinctive characteristics through successive propagations.

Plant Breeder’s Rights for this cultivar were applied for in New Zealand on Feb. 2, 2009. ‘Solid Gold BLZ’ has not been made publicly available anywhere in the world more than one year prior to the filing date of this application.

SUMMARY OF THE INVENTION

The following are the most outstanding and distinguishing characteristics of this new cultivar when grown under normal horticultural practices in Tauranga, New Zealand.

1. Yellow spathes;
2. Medium density maculation of the leaves that is visible from both sides; and
3. Produces 2 to 3 inflorescences per 3-cm tuber.

DESCRIPTION OF THE PHOTOGRAPHS

This new calla lily plant is illustrated by the accompanying photographs which show the plant habit, mature inflores-

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cence and foliage of the plant. The colors shown are as true as can be reasonably obtained by conventional photographic procedures. The photographs are of a plant approximately 9 weeks old, after planting in optimum conditions.

- FIG. 1 shows a close-up of the mature inflorescence.
FIG. 2 shows a close-up of the leaf and maculation.
FIG. 3 shows the mature inflorescence and foliage.

DESCRIPTION OF THE NEW CULTIVAR

The following detailed description sets forth the distinctive characteristics of ‘Solid Gold BLZ’. The data that define these characteristics were collected from asexual reproductions carried out in New Zealand. The plant history was taken on plants of two-year-old tubers based on a 3-cm diameter tuber under New Zealand summer conditions. Color references are primarily to The R.H.S. Colour Chart of The Royal Horticultural Society of London (R.H.S.).

DETAILED BOTANICAL DESCRIPTION

Classification:

Family.—Araceae.

Botanical name.—*Zantedeschia* spp.

Common name.—Calla lily.

Parentage:

Female parent.—An unnamed, unpatented *Zantedeschia* variety having yellow spathes.

Male parent.—An unnamed, unpatented *Zantedeschia* variety having yellow spathes.

Plant:

Form.—Erect.

Height of the leaf canopy above the soil.—45 cm to 55 cm.

Height of top of inflorescence above the soil.—50 cm to 65 cm.

Diameter.—25 cm to 40 cm.

Number of inflorescences per tuber size.—Tuber diameter 3 cm: 2 to 3. Tuber diameter 4 cm: 3 to 5. Tuber diameter 5 cm: 5+.

Time to produce a finished flowering plant.—6 to 10 weeks depending on the climate and environment.

Lastingness of the inflorescence on the plant.—2 to 3 weeks.

Growing points:

Character.—Strong.

Color.—Upper: RHS 59A (mottled). Lower: RHS 59C (mottled). Base: RHS 155D.

Average number.—2 to 4.

Leaves:

Size.—Length: 12 cm to 17 cm. Width: 10 cm to 15 cm.

Shape.—Saggitate (arrow-shaped).

Apex.—Acute to apiculate.

Margin.—Moderately wavy.

Margin color.—Dark Green.

Venation patter.—Pinnate.

Surface texture.—Leathery.

Color.—Upper surface: RHS 146A. Lower surface: RHS 146C.

Maculation (leaf spots).—General: Maculation is only on the upper surface of the leaf but is visible from the lower surface. Density: Medium density. Color: RHS 155C (white).

Petiole.—Average number per tuber: 2 to 4. Length: 14 cm to 21 cm. Diameter: 0.6 cm to 1.2 cm. Texture: Smooth. Character: Strong. Color: Base: RHS 146A. Upper portion: RHS 146B. Sheath: Length: 2 cm to 5 cm. Diameter: 0.6 cm to 0.8 cm. Color: RHS 59C (mottled).

Roots:

Color.—RHS 155D (white).

Branching.—Not branched, attached to the top of the tuber at the apices.

Inflorescence:

Spathe (flower body).—Size: Length: 6.5 cm to 8.5 cm. Width: 5.5 cm to 7 cm. Height: 7 cm to 9 cm. Color: Upper part: RHS 12A. Lower part: RHS 12B. Vein color: RHS 12A. Fragrance: None. Shape: Round. Texture: Smooth. Apex: Acute. Base: Attenuate. Margin: Entire.

Spadix (reproductive organs).—Size: Length: 2 cm to 2.5 cm. Diameter: 0.4 cm to 0.7 cm. Color: Base: RHS 13C. Upper part: RHS 13B. Position relative to spathe: Upright. Shape: Elongated. Apex: Rounded.

Peduncle (flower stem).—Length: 40 cm to 55 cm.

Diameter: 0.8 cm to 1.2 cm. Color: Base: RHS 155A.

Upper part: RHS 146A. Surface texture: Smooth.

Strength: Strong.

Reproductive organs:

Location of female organs.—Basal position of the spadix.

Location of male organs.—Upper position of the spadix.

Perianth (the floral envelope, calyx and corolla).—Conspicuous.

Pollen color.—RHS 155D (white).

Stamens.—Not visible before pollen release.

Pistil.—Number: 10 to 20 per spadix. Color: RHS 13C.

Fruit (berries):

Quantity of berries per plant.—10 to 20.

Color.—RHS 144B.

Size.—Length: 4 cm to 5 cm (whole fruit). Width: 2.5 cm to 3.5 cm (whole fruit). Diameter: 0.6 cm to 0.6 cm (individual berry).

Disease and insect resistance:

Disease resistance.—No susceptibility to date.

Pest resistance.—No susceptibility to date.

COMPARISION WITH PARENTAL AND KNOWN CULTIVARS

When compared to the commercial variety 'Black Magic' (unpatented), 'Solid Gold BLZ' has a less upright leaf attitude, darker green leaves, smaller throat spot and a darker yellow inner spathe colour.

When compared to the commercial variety 'Florex Gold' (unpatented), 'Solid Gold BLZ' has longer flower stems, a rounder shaped spathe, less upright leaf attitude, more yellow (less orange) inner spathe colour.

When compared to the commercial variety 'Yellow Jacket' (U.S. Plant Pat. No. 20,217), 'Solid Gold BLZ' has a taller plant height, less upright leaf attitude, longer petiole, brown red petiole base colouration, broader leaf, presence of basal lobes and larger throat spot.

When compared to the female parent 'Solid Gold BLZ' has stronger peduncles (flower stems) and mottled growing points.

When compared to the male parent 'Solid Gold BLZ' has a darker yellow inner spathe colour and more dense leaf maculation pattern.

I claim:

1. A new and distinct cultivar of calla lily plant as shown and described herein.

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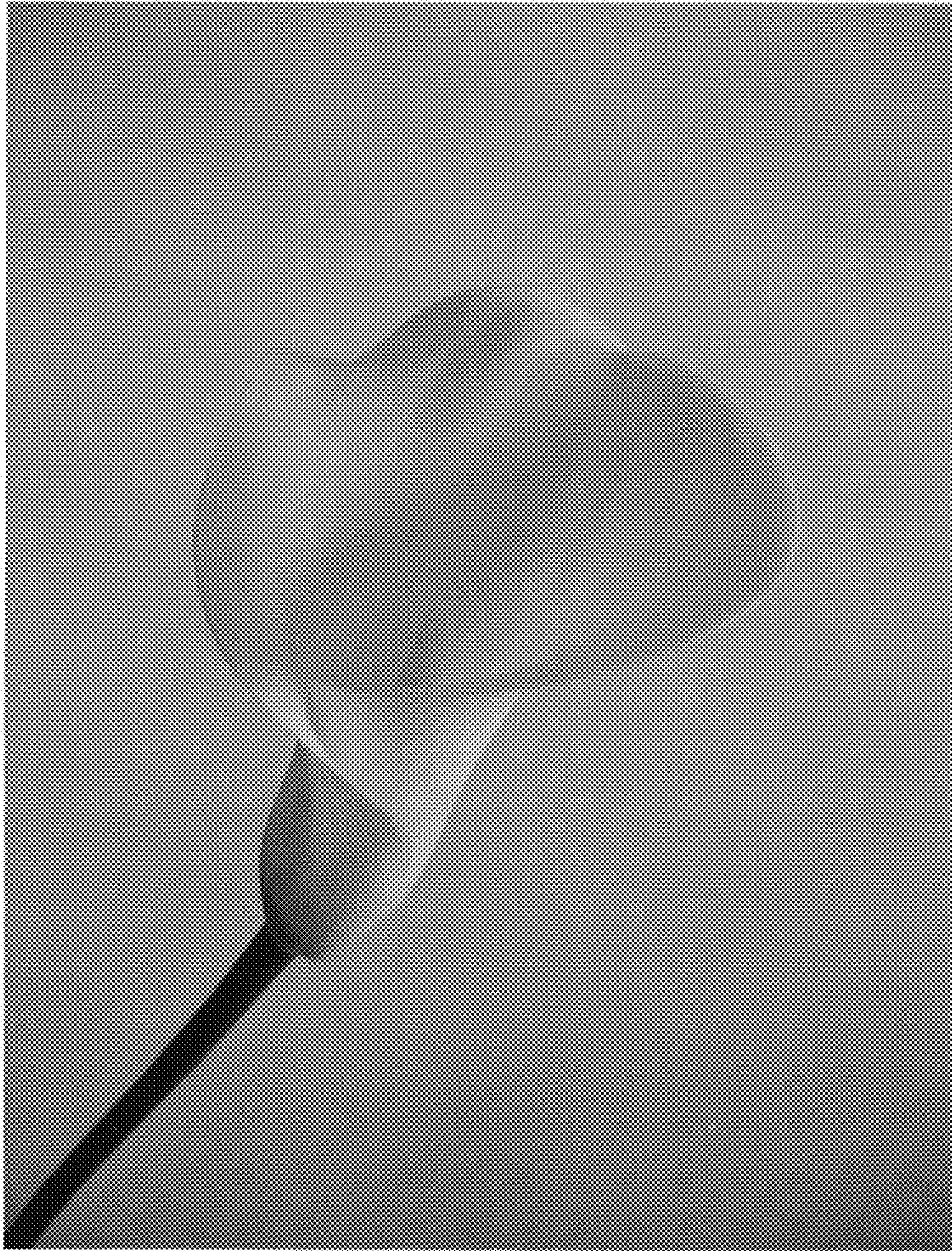


FIG. 1

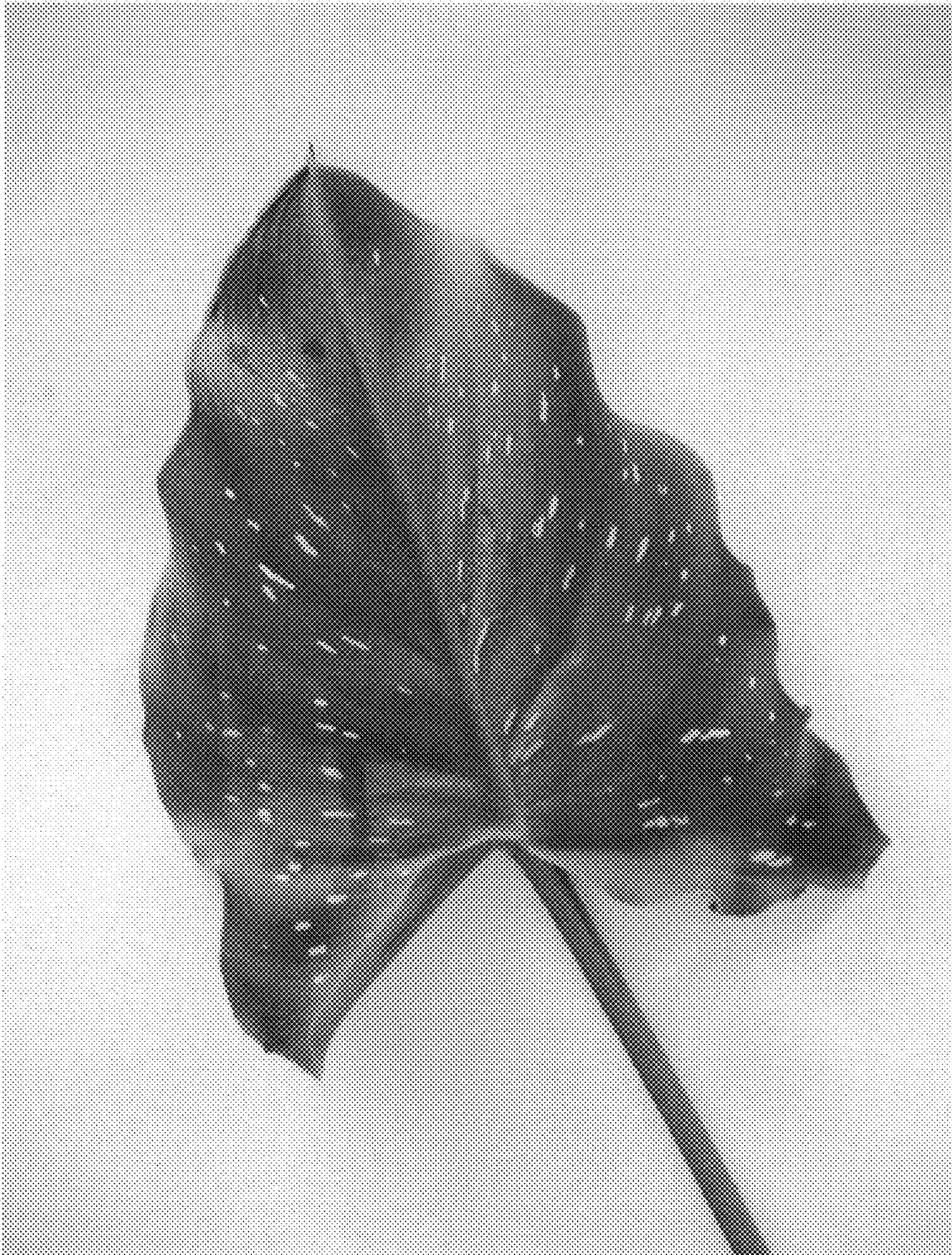


FIG. 2



FIG. 3