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Beekenkamp

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(54) **BEGONIA PLANT NAMED ‘BKPEEVHP’**

(50) Latin Name: *Begonia x hiemalis*
Varietal Denomination: **BKPBEEVHP**

(71) Applicant: **Annie Cornelia Beekenkamp,**
Maasdijk (NL)

(72) Inventor: **Annie Cornelia Beekenkamp,**
Maasdijk (NL)

(73) Assignee: **BEEKENKAMP PLANTS B.V.,**
Maasdijk (NL)

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patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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A01H 5/02 (2018.01)
A01H 6/18 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./343**

(58) **Field of Classification Search**
USPC **Plt./343**
See application file for complete search history.

(56) **References Cited**

PUBLICATIONS

PLUTO Plant Variety Database May 7, 2021. p. 1.*

* cited by examiner

Primary Examiner — Annette H Para

(74) *Attorney, Agent, or Firm* — C. Anne Whealy

(57) **ABSTRACT**

A new and distinct cultivar of *Begonia* plant named ‘BKP-BEEVHP’, characterized by its broadly upright and mounded plant habit; sturdy plants with freely basal branching habit; dark green-colored leaves; uniform and freely flowering habit; and double-type flowers that are purplish red in color.

2 Drawing Sheets

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Botanical designation: *Begonia x hiemalis*.
Cultivar denomination: ‘BKPBEVHP’.

**STATEMENT REGARDING PRIOR
DISCLOSURES BY THE
INVENTOR/APPLICANT & ASSIGNEE**

An European Community Plant Breeder’s Rights application for the instant plant was filed by the Assignee, Beekenkamp Plants B.V. of Maasdijk, The Netherlands on Sep. 25, 2020, application number 2020/2346. Foreign priority is not claimed to this application.

The Inventor/Applicant and Assignee assert that no publications nor advertisements relating to sales, offers for sale or public distribution occurred more than one year prior to the effective filing date of this application. Any information about the claimed plant would have been obtained from a direct or indirect disclosure from the Inventor/Applicant and/or the Assignee. Inventor/Applicant and Assignee claim a prior art exception under 35 U.S.C. 102(b)(1) for disclosure and/or sales prior to the filing date but less than one year prior to the effective filing date.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar of *Begonia* plant, botanically known as *Begonia x hiemalis*, commercially referred to as *Elatior Begonia* and hereinafter referred to by the name ‘BKPBEVHP’.

The new *Begonia* plant is a product of a planned breeding program conducted by the Inventor in Maasdijk, The Netherlands. The objective of the breeding program was to

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develop new compact, freely branching and freely flowering *Begonia* plants with attractive flowers and good garden performance.

The new *Begonia* plant originated from a cross-pollination made by the Inventor in January, 2014 of a proprietary selection of *Begonia x tuberhybrida* identified as code number 09-0008-06, not patented, as the female, or seed, parent with an unnamed proprietary selection of *Begonia socotrana*, not patented, as the male, or pollen, parent. The new *Begonia* plant was discovered and selected by the Inventor as a single flowering plant from within the progeny of the stated cross-pollination in a controlled greenhouse environment in Maasdijk, The Netherlands in July, 2014.

Asexual reproduction of the new *Begonia* plant by vegetative tip cuttings in a controlled greenhouse environment in Maasdijk, The Netherlands since August, 2014 has shown that the unique features of this new *Begonia* plant are stable and reproduced true to type in successive generations.

SUMMARY OF THE INVENTION

Plants of the new *Begonia* have not been observed under all possible combinations of environmental conditions and cultural practices. The phenotype may vary somewhat with variations in environmental conditions such as temperature and light intensity, without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘BKP-BEEVHP’. These characteristics in combination distinguish ‘BKPBEVHP’ as a new and distinct *Begonia* plant:

1. Broadly upright and mounded plant habit.
2. Sturdy plants with freely basal branching habit.
3. Dark green-colored leaves.

4. Uniform and freely flowering habit.

5. Double-type flowers that are purplish red in color.

Plants of the new *Begonia* can be compared to plants of the female parent selection. Plants of the new *Begonia* differ primarily from plants of the female parent selection in the following characteristics:

1. Plants of the new *Begonia* have smaller flowers than plants of the female parent selection.

2. Plants of the new *Begonia* have purplish red-colored flowers whereas plants of the female parent selection have salmon pink-colored flowers.

Plants of the new *Begonia* can be compared to plants of the male parent selection. Plants of the new *Begonia* differ primarily from plants of the female parent selection in the following characteristics:

1. Plants of the new *Begonia* have larger flowers than plants of the male parent selection.

2. Plants of the new *Begonia* have double-type flowers whereas plants of the male parent selection have single-type flowers.

Plants of the new *Begonia* can be compared to plants of *Begonia x hiemalis* 'BKPBEVVR', disclosed in U.S. Plant Pat. No. 25,216. Plants of the new *Begonia* differ primarily from plants of 'BKPBEVVR' in flower color as plants of the new *Begonia* have purplish red-colored flowers whereas plants of 'BKPBEVVR' have dark red-colored flowers.

Plants of the new *Begonia* can also be compared to plants of *Begonia x hiemalis* 'BKPBEVGL', disclosed in U.S. Plant Pat. No. 23,825. Plants of the new *Begonia* differ primarily from plants of 'BKPBEVGL' in the following characteristics:

1. Plants of the new *Begonia* are more vigorous than and not as compact as plants of 'BKPBEVGL'.

2. Plants of the new *Begonia* have purplish red-colored flowers whereas plants of 'BKPBEVGL' have soft pink-colored flowers.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying colored photographs illustrate the overall appearance of the new *Begonia* plant showing the colors as true as it is reasonably possible to obtain in colored reproductions of this type. Colors in the photographs may differ slightly from the color values cited in the detailed botanical description which accurately describe the colors of the new *Begonia* plant.

The photograph on the first sheet (FIG. 1) comprises a side perspective view of a typical flowering plant of 'BKP-BEEVHP' grown in a container.

The photograph on the second sheet (FIG. 2) are close-up views of a typical flower bud and the upper and lower surfaces of typical developed flowers and leaves of 'BKP-BEEVHP'.

DETAILED BOTANICAL DESCRIPTION

Plants used for the aforementioned photographs and following observations and measurements were grown during the autumn in 10.5-cm containers in a glass-covered greenhouse in Maasdijk, The Netherlands. During the production of the plants, day and night temperatures ranged from 19° to 21° C. Plants were eleven weeks from planting rooted cuttings when the photographs and the description were taken. In the following description, color references are

made to The Royal Horticultural Society Colour Chart, 2015 Edition, except where general terms of ordinary dictionary significance are used.

Botanical classification: *Begonia x hiemalis* 'BKP-BEEVHP'.

Parentage:

Female, or seed, parent.—Proprietary selection of *Begonia x tuberhybrida* identified as code number 09-0008-06, not patented.

Male, or pollen, parent.—Unnamed proprietary selection of *Begonia socotrana*, not patented.

Propagation:

Type.—By vegetative tip cuttings.

Time to initiate roots.—About 20 days at temperatures about 25° C.

Time to produce a rooted young plant.—About 35 to 36 days at temperatures about 21° C. to 23° C.

Root description.—Fine, fibrous; typically brown in color, actual color of the roots is dependent on substrate composition, water quality, fertilizer type and formulation, substrate temperature and physiological age of roots; plants of the new *Begonia* have not been observed to form tubers.

Rooting habit.—Freely branching habit; dense.

Plant description:

Plant and growth habit.—Broadly upright and mounded plant habit; overall plant shape, obovate; moderately vigorous growth habit and moderate growth rate.

Plant height, soil level to top of foliar plane.—About 18.6 cm.

Plant height, soil level to top of floral plane.—About 20.6 cm.

Plant width.—About 27.9 cm.

Lateral branch description.—Branching habit: Freely branching habit with about two basal branches per plant each with about two secondary branches; pinching is not required. Length: About 10.3 cm. Diameter: About 7 mm to 8 mm. Internode length: About 2.1 cm. Strength: Moderately strong. Aspect: Erect to about 40° from vertical. Texture and luster: Smooth, glabrous; moderately glossy. Color, developing: Close to 152B. Color, fully developed: Close to 146A; at the nodes, close to 146A moderately tinged with close to 181A.

Leaf description.—Arrangement: Alternate, simple. Length: About 13.5 cm. Width: About 11.3 cm. Shape: Broadly ovate. Apex: Acute to bluntly acute. Base: Oblique, lobes moderately imbricate. Margin: Crenate to serrate; strongly undulate. Texture and luster, upper surface: Smooth, glabrous; velvety; moderately glossy. Texture and luster, lower surface: Mostly smooth and glabrous with sparse pubescence along the veins; velvety; slightly glossy. Venation pattern: Pinnate. Color: Developing leaves, upper surface: More intense than close to between 143A and 146A; margins, strongly tinged with close to 181A. Developing leaves, lower surface: Close to 148A; margins, strongly tinged with close to 181A. Fully expanded leaves, upper surface: Close to between NN137A and 139A; venation, close to 144A to 144B. Fully expanded leaves, lower surface: Close to 191A tinged with close to 183D; venation, close to 146C. Petioles: Length: About 4.8 cm. Diameter: About 5 mm. Strength: Flexible. Texture

and luster, upper and lower surfaces: Sparsely pubescent; moderately glossy. Color, upper and lower surfaces: Close to 144A; at distal end, strongly tinged with close to 183B. Stipules: Quantity per leaf: Two at the base of the leaf. Length: About 1 cm. 5
Width: About 9 mm. Shape: Broadly ovate. Apex: Obtuse to broadly acute. Base: Broadly cuneate. Margins: Ciliate. Color, upper and lower surfaces: Close to 145A.

Flower description: 10

Flowering habit.—Rotate double-type sterile male flowers arranged in axillary compound cymes; freely flowering habit with about eight flowers per cyme and about 200 flowers developing per plant during the flowering season; flowers face upright to out- 15
wardly.

Fragrance.—None detected.

Natural flowering season.—Long flowering period, plants flower freely and continuously from spring into the autumn in The Netherlands; during the 20
winter in a greenhouse, plants begin flowering about 37 days after exposure to photoinductive treatments.

Postproduction longevity.—Individual flowers last about ten days on the plant; flowers not persistent; plants maintain good substance for about 20 to 30 25
days in an interior environment.

Inflorescence height.—About 12.8 cm.

Inflorescence diameter.—About 9.9 cm.

Flower buds.—Length: About 1.4 cm. Diameter, flattened: About 0.6 cm to 1.5 cm. Shape: Broadly 30
obovate to nearly circular; flattened. Texture and luster: Smooth, glabrous; velvety; matte. Color: Close to 47A; towards the base, close to N174C to N174D.

Flowers.—Diameter: About 4.9 cm. Depth: About 2.4 35
cm. Tepals: Quantity and arrangement: Two per flower, opposite. Length: About 2.8 cm. Width: About 3.4 cm. Shape: Reniform. Apex: Rounded. Base: Truncate. Margin: Entire to irregularly shallowly dentate; not undulate. Texture and luster, upper 40
surface: Smooth, glabrous, velvety; matte. Texture and luster, lower surface: Smooth, glabrous, moderately velvety; slightly glossy. Color: When opening, upper surface: Close to 54A to 54B; towards the margins, close to 53D and towards the base, close to 45
51D. When opening, lower surface: Close to 50C; towards the base, close to 178B. Fully opened, upper surface: Close to 53C; towards the base, close to 51C; venation, faint, close to 182B; color does not fade with development. Fully opened, lower surface: 50
Close to between 181B and 182A; towards the base, tinged with close to 145B and 152B; venation, close

to 152B; color does not fade with development. Tepaloids: Quantity and arrangement: About 26 arranged in about five whorls interior to the tepals. Length: About 1.8 cm, varying between 0.8 cm and 2.4 cm. Width: About 2 cm, varying between 0.8 cm and 3.1 cm. Shape: Reniform to obovate. Apex: Obtuse to rounded. Base: Truncate to cuneate. Margin: Entire to irregularly crenate; not undulate. Texture and luster, upper surface: Smooth, glabrous, velvety; matte. Texture and luster, lower surface: Smooth, glabrous, moderately velvety; matte. Color: When opening, upper and lower surfaces: Close to 61C to 61D; towards the margins, close to 58C. Fully opened, upper and lower surfaces: Close to 61C to 61D; towards the margins, close to 58C; venation, close to 183D; color does not fade with development.

Peduncles.—Length: About 5.6 cm. Diameter: About 4 mm to 4.5 mm. Angle: About 40° from lateral branch axis. Strength: Moderately strong; flexible. Texture and luster: Smooth, glabrous; moderately glossy. Color: Close to between 146A and 152A.

Pedicels.—Length: About 2.5 cm. Diameter: About 2.5 mm. Angle: About 35° from the peduncle axis. Strength: Moderately strong; flexible. Texture and luster: Moderately pubescent; moderately glossy. Color: Close to 176A and N199C.

Flower bracts.—Quantity and arrangement: Two per flower, opposite. Length: About 1.2 cm. Width: About 1.6 cm. Shape: Reniform. Apex: Obtuse to broadly praemorse. Base: Broadly cuneate. Margin: Ciliate. Texture and luster, upper and lower surfaces: Smooth, glabrous; very slightly glossy. Color, upper surface: Close to 144A to 144B; towards the margins, close to 180A. Color, lower surface: Close to 181A; towards the base, close to 144A to 144B.

Reproductive organs.—None observed, all structures transformed into tepaloids.

Seeds and fruits.—Seed and fruit development have not been observed on plants of the new *Begonia* as flowers are sterile.

Pathogen & pest resistance: Resistance to pathogens and pests common to *Begonia* plants has not been observed on plants of the new *Begonia*.

Temperature tolerance: Plants of the new *Begonia* have been observed to tolerate high temperatures of about 35° C. and to be suitable for USDA Hardiness Zones 10 to 12.

It is claimed:

1. A new and distinct *Begonia* plant named 'BKP-BEEVHP' as illustrated and described.

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FIG. 1

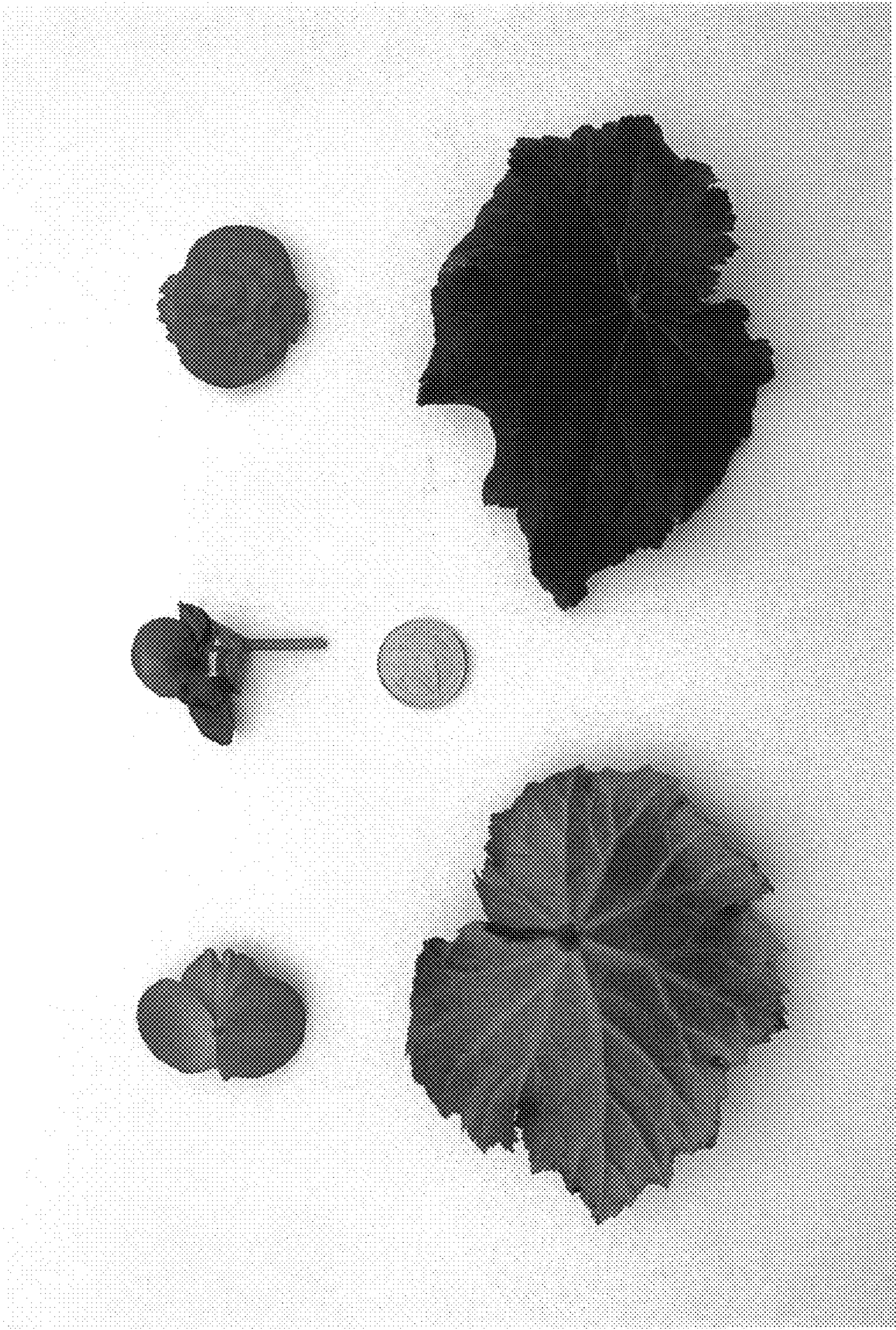


FIG. 2