

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

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(54) **LUPINUS PLANT NAMED ‘MASTERPIECE’**

(50) Latin Name: *Lupinus hybridus*
Varietal Denomination: **Masterpiece**

(76) Inventor: **Sarah Frances Conibear**, West Country Nurseries Donkey Meadow, Woolsery, Bideford, Devon EX39 5QH (GB)

(*) 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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(52) **U.S. Cl.** **Plt./263.1**

(58) **Field of Classification Search** Plt./263.1
See application file for complete search history.

Primary Examiner—Annette H Para

(74) *Attorney, Agent, or Firm*—The Webb Law Firm

(57) **ABSTRACT**

‘Masterpiece’ is a new variety of *Lupinus hybridus* that exhibits intense flower color, large individual flower bells and a vigorous growth habit.

3 Drawing Sheets

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Botanical classification: *Lupinus hybridus*.
Varietal denomination: ‘Masterpiece’.

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cultivar of *Lupinus hybridus* known by the varietal name ‘Masterpiece’. The new variety was developed in Great Britain. The new variety is a result of cross breeding Russell Hybrid *Lupinus* Seedling #WCL 045/96 (female parent) (unpatented) and an unknown *Lupinus* male parent (unpatented). The purpose of the breeding program was to develop a cultivar that exhibited improved color, habit, and bloom form from other *Lupinus* varieties known to the breeder. The new variety is similar in growth habit to its female parent, but differs in flower color. The new variety differs from *Lupinus hybridus* ‘The Governor’ (unpatented) in flower color, closeness of flowers on spike, and flower size. The new variety was first asexually reproduced by basal cuttings/tissue culture in Great Britain. The new variety has been trial and field tested and has been found to retain its distinctive characteristics and remain true to type through successive asexual propagations. Characteristics that distinguish the new variety from others known to the breeder include:

- Clear and intense flower color,
- Flower form — the individual bells are packed closely on the flower spike;
- Large individual flower bells; and
- Vigorous growth habit.

The new variety was grown in open soil with additional organic fertilizer applied. The new variety initiates and develops roots in 21 days at 15° C. A finished and flowering plant is produced in 36 weeks in a 21 cm container. The new variety exhibits sparse, but thick roots, that exhibit some branching.

DESCRIPTION OF THE DRAWINGS

The accompanying photographic drawings illustrate the new variety, with the color being as nearly true as is possible with color illustrations of this type.

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FIG. 1 is a photographic image of multiple plants of the new variety;

FIG. 2 is a close-up image of the petals of the new variety; and

FIG. 3 is a close-up photograph of both surfaces of the leaves of the new variety.

DESCRIPTION OF THE PLANT

The following detailed description sets forth the characteristics of the new cultivar. The data which defines these characteristics were collected by asexual reproductions carried out in Great Britain. The color readings were taken outside under natural daylight. Color references are primarily to the R.H.S. Colour Chart of The Royal Horticultural Society of London. The measurements described herein are averages of the measurements taken for a given parameter.

PLANT

Form: Mounded and symmetrical.
Stem:

Diameter.—16 mm.

Color.—Varies between 144B and 144C.

Texture.—Slightly hirsute, smooth with longitudinal ridges.

Pubescence.—Slight to medium.

Height: 85 cm.

Vigor: Good.

Branching habit: Good, freely branching.

Lateral branches:

Diameter.—10 mm.

Internode length.—4.9 cm.

Texture.—Lightly hirsute.

Pubescence.—Present.

Color.—144B.

Foliage:

Arrangement.—Ascending spiral.

Length of leaf stalk.—Basal foliage: 19 cm. Stem foliage: 11 cm.

Size of leaf (overall).—Length: 17 cm. Width: 16 cm.

Leaflets.—Shape of leaflet: Oblanceolate. Number: 12.5. Width: 2.4 cm. Length: 8.1 cm. Shape of apex: Obtuse, with a small point. Shape of base: Cuneate.

Texture: Smooth and velvety. Aspect: Horizontal presentation. Margin type: Smooth; entire. Pubescence: Upper surface: None present. Lower surface: Slight. Color: Young leaflet: Upper surface: Varies between 137A and 137B. Lower surface: 137D to 138B. Mature leaflet: Upper surface: 137A. Lower surface: 138B. Petiole: Shape: Flattened and round. Diameter: 4 mm. Color: 144A. Venation: Central; mid-rib.

FLOWER

Bud (described when buds were just beginning to open):

Shape.—Napiform.

Diameter.—10 mm.

Length.—19 mm.

Color.—79B.

Natural flowering season: May through July in The Netherlands.

Flower type and habit: Spike.

Number of flowers per spike.—194.

Length of spike.—48 cm.

Diameter of spike.—12.3 cm.

Corolla:

Form.—Zygomorphic.

Petals.—Standard petals: Number: 2 — fused. Length: 20 mm. Width: 12 mm. Shape: Ovate. Aspect: Parallel to spike. Margin: Smooth and entire. Wing Petals: Number: 2. Length: 20 mm. Width: 12 mm. Shape: Ovoid to kidney-shaped. Aspect Tilted upward. Margin: Smooth and entire. Keel Petals: Number: 2 — fused. Length: 16 mm. Width: 8 mm. Shape: Lingulate. Aspect: Located within wing petals and pointing upward. Margin: Smooth and entire. Texture and appearance: Smooth and satin-like. Color: Upper surface: Standard petals: 26B at the front edge; varies between 79B and 79C at middle and back edge. Wing petals: Varies between 79B and 79C. Lower surface: Standard petals: 79C. Wing petals: 79D.

Throat.—Color: 4D. Texture: Smooth and satin-like.

Calyx:

Form.—Two unequal halves.

Length.—7 mm.

Diameter.—13 mm.

Sepal shape.—Elliptical.

Sepal margin.—Smooth and entire.

Sepal texture.—Smooth with slight pubescence.

Sepal size.—Length: 7 mm. Width: 5 mm.

Sepal color:

Upper surface.—149B.

Lower surface.—Varies between 149B and 149C.

Fragrance: Slight.

Disease resistance/susceptibility: Susceptible to powdery mildew.

Temperature tolerance: Medium to good.

Lasting quality: Medium to good.

REPRODUCTIVE ORGANS

Stamens:

Number (per flower).—There are two groups. A first group with 6 stamens and a second group with 4 stamens.

Filaments.—Length: First group: 4 mm. Second group: 7 mm. Fused: Yes.

Anthers.—Shape: First group: Pencil-like. Second group: Spherical. Length: First group: 2 mm. Second group: 1 mm. Color: First group: 169B. Second group: 24A.

Pollen.—Color: 24A. Amount: Plenty.

Pistils:

Length: 10 mm.

Style.—Length: 10 mm. Color: 150C.

Stigma.—Shape: Spherical. Color: 150C.

Seed/Fruit production:

Description of conditions when produced.—Produced freely.

Color.—165A.

Size.—1.0 mm.

Number.—Approximately 2000 per plant.

I claim:

1. A new and distinct variety of *Lupinus hybridus* plant named 'Masterpiece' as is herein described and illustrated.

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Fig. 1

Lupin hybrid Masterpiece

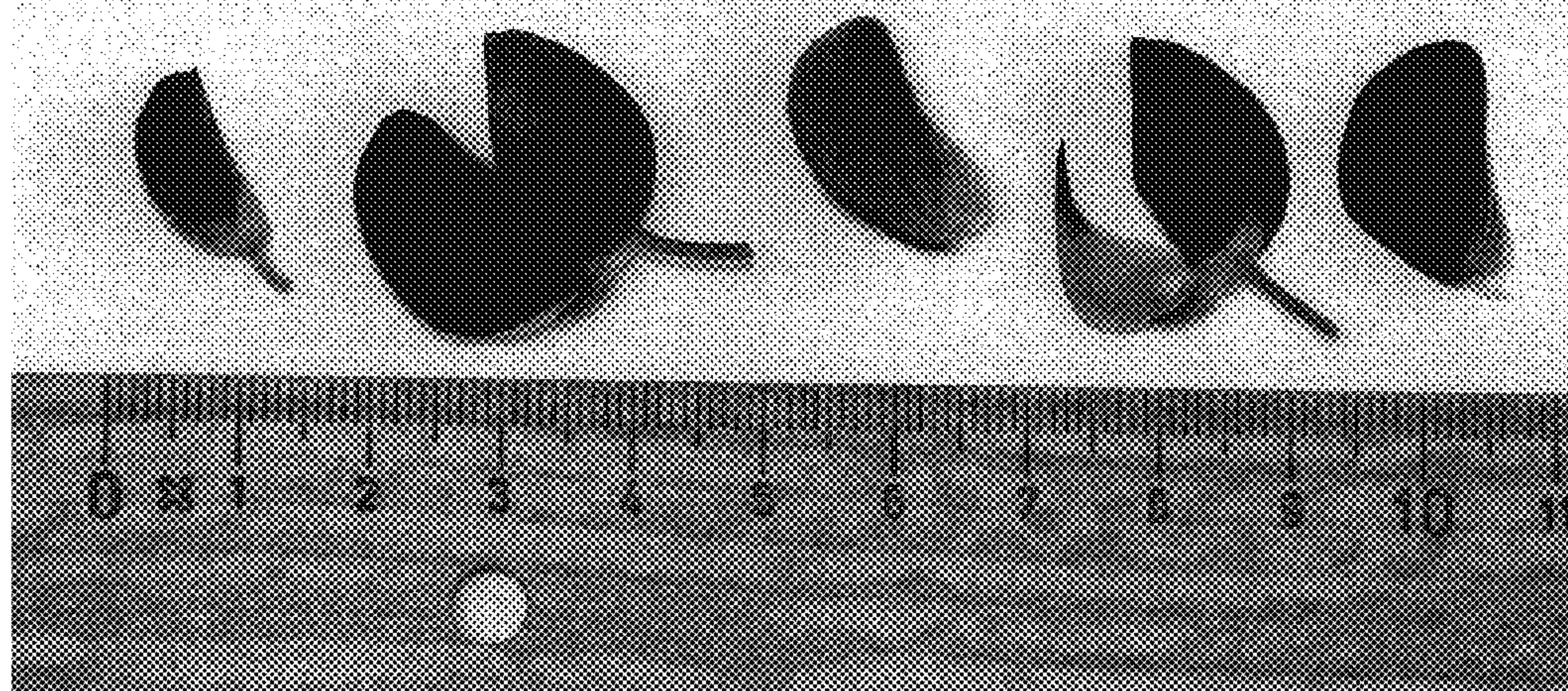


Fig. 2

Lupin hybrid Masterpiece

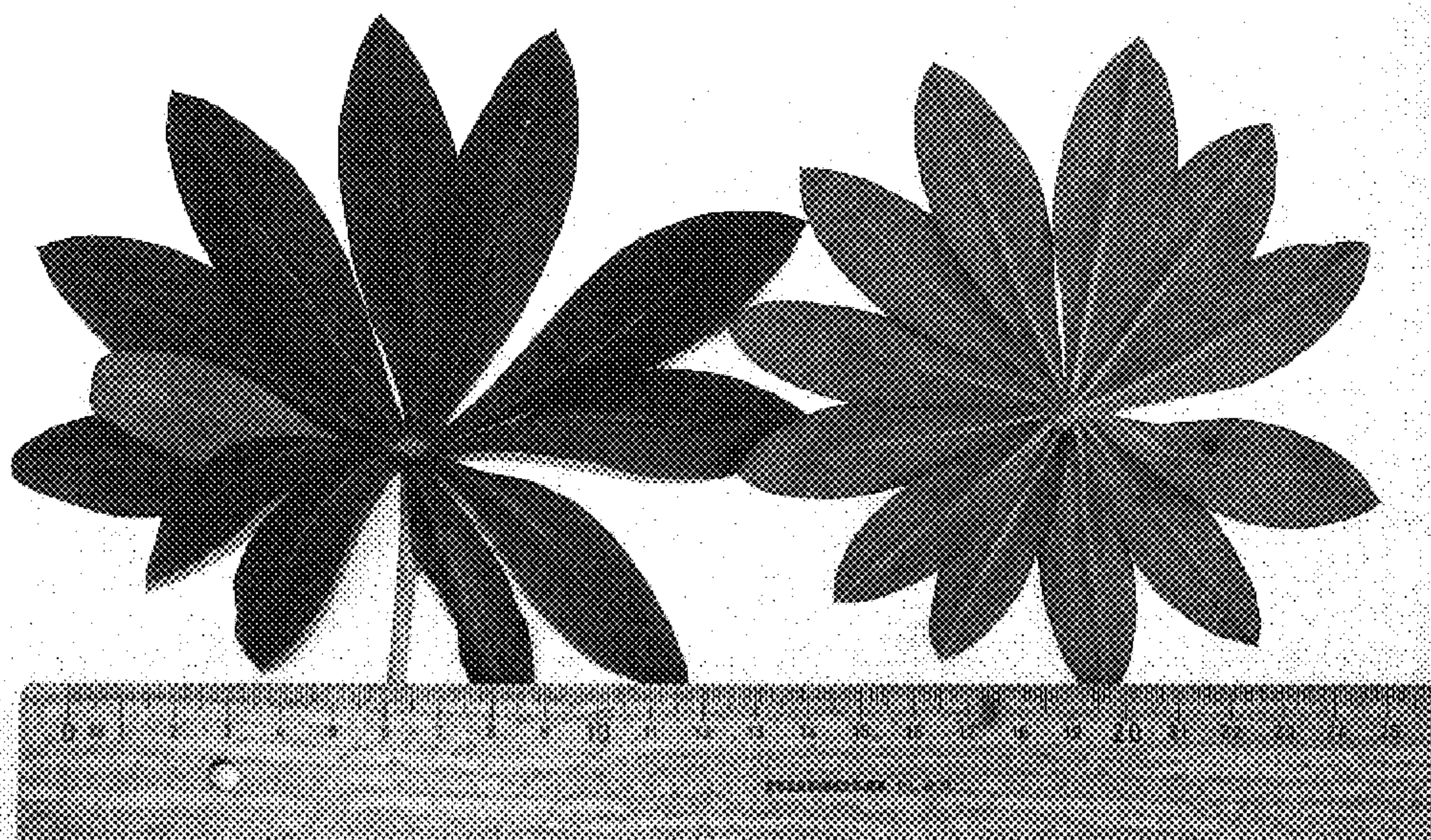


Fig. 3