

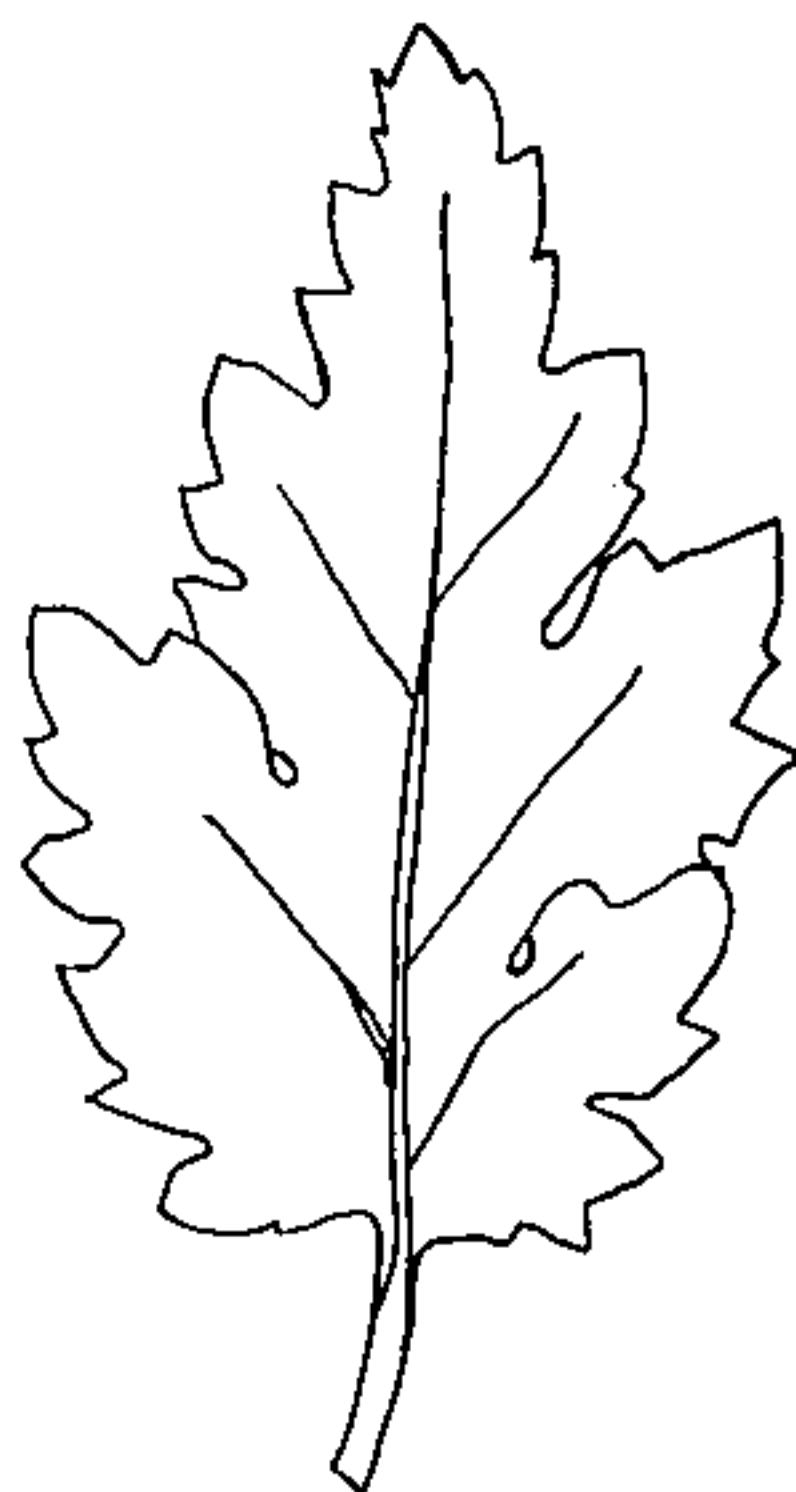
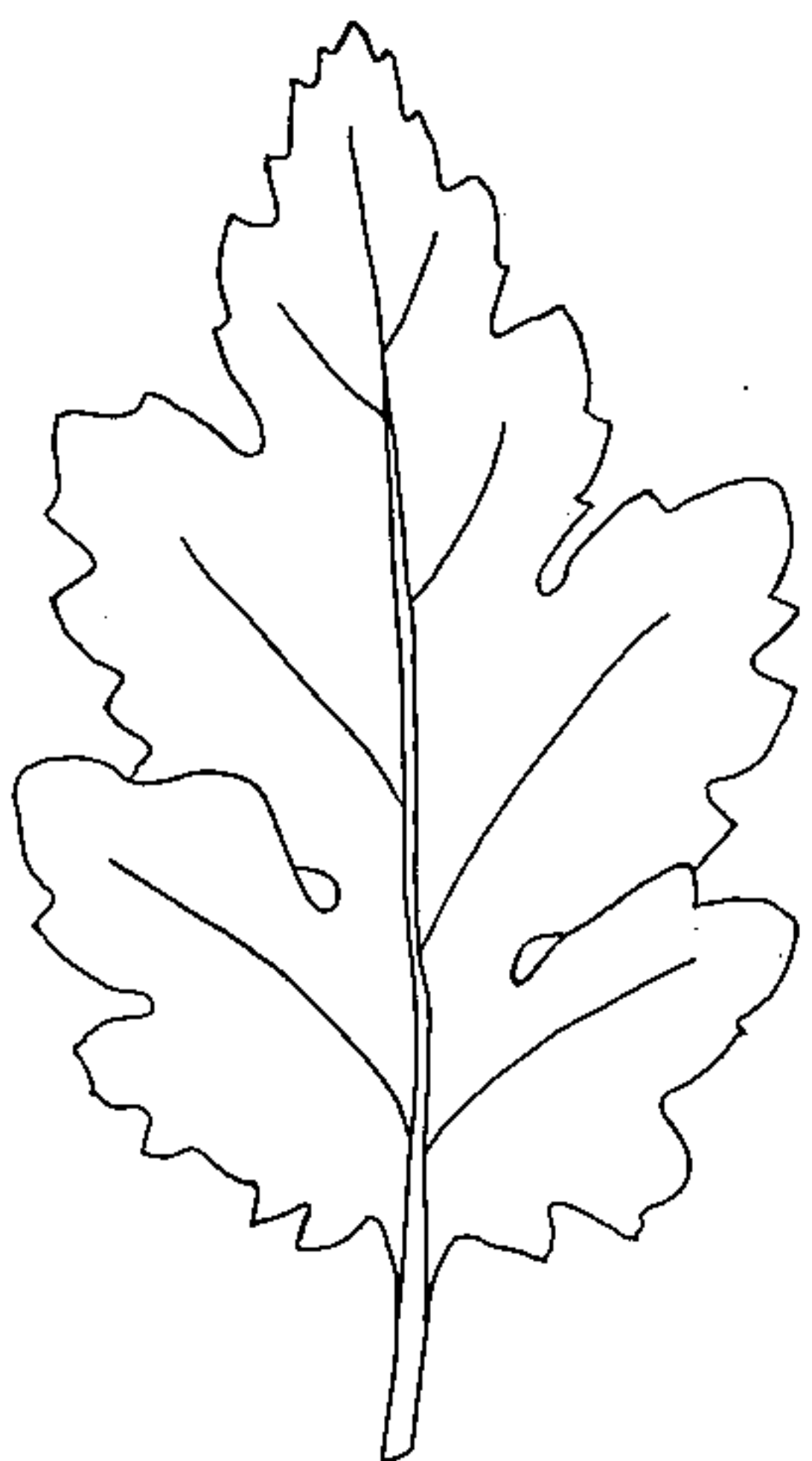
Feb. 19, 1974

L. H. SHOESMITH

Plant Pat. 3,484

CHRYSANTHEMUM PLANT (SILVER COIN)

Filed Aug. 10, 1972





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3,484

## CHRYSANTHEMUM PLANT

Leonard H. Shoesmith, Westfield-Woking, England, assignor to Pan-American Plant Company, Chicago, Ill.

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1 Claim

### ABSTRACT OF THE DISCLOSURE

A new variety of *Chrysanthemum morifolium* of standard type for greenhouse culture, having a ten-week response to photoperiod culture and being particularly adapted for fall, winter and spring flowering. This plant is a vigorous grower producing abundant foliage and very large pure white flowers.

### BACKGROUND OF THE NEW PLANT

My new variety of white chrysanthemum plant originated as a seedling of unknown parentage and was found by me among a group of greenhouse plants being grown for use in an extensive breeding program being carried on with the object of developing improved chrysanthemum varieties for commercial trade. This plant came to my attention in November 1968 because of its very large pure white flowers and its apparently vigorous growth habit. Asexual propagation of this plant, by means of cuttings from the original plant, under my direction at West Chicago, Ill., and subsequent thorough testing of the plants so produced has demonstrated that this new variety possesses valuable characteristics of habit and flowering ability in addition to its outstanding blossoms. Further propagation of this new variety, by means of vegetative cuttings, at West Chicago, Ill., and at Cortez, Fla., has shown the distinctive characteristics of this plant to be firmly fixed and to hold true from generation to generation.

### DESCRIPTION OF THE DRAWING

This new variety of chrysanthemum plant is illustrated by the accompanying drawing which shows form and color of the flower by photographic procedure and the configuration of typical specimens of the leaves by pen and ink drawings.

### DESCRIPTION OF THE NEW PLANT

The following is a detailed description of the new variety of chrysanthemum plant with color designations according to Robert F. Wilson's Horticultural Colour Chart issued by The British Colour Council.

#### The plant

Origin: Seedling

Parentage: Unknown, this seedling having been selected from among many resulting from random crosses

Classification: Botanic—*Chrysanthemum morifolium*

Commercial.—White, 10-week standard

Form: Perennial herbaceous bush

Height: Grows naturally to about 3 feet

Growth: Terminal. Vigorous, sturdy and upright with good strength

Branching: Under natural conditions, branching occurs

Foliage: Abundant, producing 27 leaves on a 3-foot stem

Leaf size.—Mature leaf—5½ inches long x 3 inches wide

2

Shape.—Lanceolate and pinnately lobed, slightly serrated

Surface texture.—Glaucous

Color.—Upper side—Spinach Green 0960/1. Under side—Spinach Green 0960/2

Venation.—Pinnate

Petioles.—¾ inch long

#### The bud

Form: Globular

Size: ⅝ inch diameter x ⅝ inch depth when phyllaries begin to separate

Opening: Slowly. The phyllaries begin to divide about two weeks after bud becomes visible. Flowering occurs about four weeks later.

Color:

When phyllaries first divide.—Lettuce Green 861

When florets begin to unfurl.—Lettuce Green 861

Phyllaries: The outside of the receptacle bears many distinct involucre bracts which are spear shaped and stand up.

Color.—Inside—Spinach Green 0960/2. Outside—Spinach Green 0960/3

Surface Aspect.—Canescent

Calyx: Represented by tiny bristles arising from the top of the ovary. Often absent

Length.—½ inch

Surface aspect.—Canescent

#### The flower

Response: 10-week

Recommended flowering: Fall, winter and spring. Can be flowered the year around with photoperiod control.

Natural season flowering: Late October

Blooms: Flower type—standard incurve

Borne.—A head of many florets borne on a receptacle

Size.—Very large, 5 to 6 inches in diameter and 4 inches in depth

Shape.—Flat and round when first opening, becoming globular as florets develop

Florets.—Very many in number. Form. Linear

Color Outer floret.—Pure White with base of Pod

Green 061; inside floret.—Pure White; reverse

sides of florets.—Pure White. Firmness: Soft.

Appearance: Satiny. Discoloration: None

Peduncle.—Sturdy—¼ inch long. Color: Scheeles Green 860/1

Persistence: Florets hang on and dry

Effect of weather: During hot and high light periods of the year, the petals become very firm and leathery. The best plants and flowers are produced in the fall, winter and spring.

Lasting quality:

On plant.—Approximately 3 weeks

As cut flowers.—About 2 weeks

#### Reproductive organs

Stamens:

Filaments.—5, synergistically arranged. Length: ¼ inch. Color: Light Yellow

Anthers.—Connate

Pollen.—Color—Yellow

Pistils: Number—one for each ray floret

Style.—Length—⅝ inch

Stigmas.—Color—Straw Yellow

Ovaries: Inferior, bicarpellate and sterile.

This new variety of chrysanthemum probably most nearly resembles May Shoesmith (unpatented) in flower form but flowers from ten days to two weeks earlier and with more open blooms having fewer and not as tightly incurved florets. Grown as a standard variety this plant produces large pure white flowers and is most excellent for winter-time flowering, keeping a well developed flower form in the long, cloudy periods of the northern U.S. areas.

I claim:

1. A new and distinct variety of chrysanthemum plant, substantially as herein shown and described, characterized by its very large pure white blooms, its excellent growth and production for wintertime flowering, and its ability to keep a well developed flower form in the long cloudy periods of the northern U.S. winter months.

No references cited.

ROBERT E. BAGWILL, Primary Examiner