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

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(54) **LEUCANTHEMUM PLANT NAMED**
‘LDDWH02-2’

(50) Latin Name: ***Leucanthemum* hybrid**
Varietal Denomination: **LDDWH02-2**

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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 123 days.

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

(52) **U.S. Cl.**
USPC **Plt./286**

(58) **Field of Classification Search**
USPC Plt./263.1, 286, 294
See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Leucanthemum* hybrid cultivar named
‘LDDWH02-2’ is disclosed, characterized by late flowering,
a compact plant form and strong branching which produces
higher quantities of cuttings per plant. The new variety is a
Leucanthemum hybrid, and naturally blooms from Spring to
Fall.

3 Drawing Sheets

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Latin name of the genus and species: *Leucanthemum*
hybrid.

Variety denomination: ‘LDDWH02-2’.

BACKGROUND OF THE INVENTION

The new cultivar was discovered as a spontaneous, natu-
rally occurring whole plant mutation by the inventor, Steve
Jones. The parent variety is the unpatented, variety *Leucan-*
themum hybrid ‘Kiemar’ U.S. Plant Pat. No. 12,978. The new
variety was discovered Fall of 2011, by the inventor in a
commercial planting of *Leucanthemum* hybrid ‘Kiemar’ in
Santa Paul, Calif. The inventor noticed one plant among more
than 100 plants of the parent variety growing with a different
plant habit and beginning to flower later than the other plants.

Asexual reproduction of the new cultivar ‘LDDWH02-2’
by vegetative cuttings was first performed in the Fall of 2011,
at a commercial greenhouse in Santa Paula, Calif. The inven-
tor noted that plants of the new variety consistently produced
more branches, and more vegetative cuttings than the parent
variety. All subsequent propagation has shown that the unique
features of this cultivar are stable and reproduced true to type
in successive generations

SUMMARY OF THE INVENTION

The cultivar has not been observed under all possible envi-
ronmental conditions. The phenotype may vary somewhat
with variations in environment such as temperature, day
length, 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 ‘LDDWH02-2’
These characteristics in combination distinguish
‘LDDWH02-2’ as a new and distinct *Leucanthemum* cultivar:

1. Late flowering, beginning to flower after approximately
8 weeks of planting.
2. Improved branching.
3. Greater production of vegetative cuttings due to better
branching.
4. Compact plant growth.

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PARENT COMPARISON

Plants of the new cultivar ‘LDDWH02-2’ are similar to
plants of the parent variety, in most horticultural characteris-
tics, however, plants of ‘LDDWH02-2’ are shorter, flower
later and produce more lateral branches than the parent.

COMMERCIAL COMPARISON

Plants of the new cultivar ‘LDDWH02-2’ are similar to
plants of the commercial variety *Leucanthemum* ‘Angel,’ U.S.
Plant Pat. No. 14,289 in most horticultural characteristics.
However, plants of the new cultivar ‘LDDWH02-2’ differ in
the following characteristics;

1. ‘LDDWH02-2’ has a single daisy flower form, whereas
‘Angel’ has a somewhat anemone type flower.
2. ‘LDDWH02-2’ flowers 4 weeks later on average than
‘Angel’.
3. Plants of ‘LDDWH02-2’ are shorter than plants of
‘Angel’.

Plants of the new cultivar ‘LDDWH02-2’ are also similar to
plants of the commercial variety *Leucanthemum*
‘LWMWH03-0’ U.S. Plant Pat. No. 23,151 in most horticul-
tural characteristics. However, plants of the new cultivar
‘LDDWH02-2’ differ in the following characteristics;

1. ‘LDDWH02-2’ flowers approximately 3 weeks later
than ‘LWMWH03-0’.
2. Plants of ‘LDDWH02-2’ are shorter than plants of
‘LWMWH03-0’.
3. Plants of ‘LDDWH02-2’ produce more lateral branches
than plants of ‘LWMWH03-0’.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photograph in FIG. 1 illustrates in full
color a typical plant of ‘LDDWH02-2’ grown in a green-
house. The pot size is a commercial 4 inch container. The
plant shown is approximately 12 weeks old.

FIG. 2 illustrates a comparison of 3 different *Leucanthe-mum* varieties, planted at the same time and grown under identical conditions. The plant on the left is the parent variety. The plant on the right is 'LDDWH02-2'. The photograph was taken in September of 2012. The new variety has not yet begun to flower, and is instead forming a plant which will ultimately have more lateral branches.

FIG. 3 illustrates a comparison with the parent variety. Plants in FIG. 3 are approximately 12 weeks old, both in full flower.

The photographs were taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 2001 except where general terms of ordinary dictionary significance are used. The following observations and measurements describe 'LDDWH02-2' plants grown in a greenhouse in Santa Paula, Calif. from August to October. The growing temperature ranged from 15° C. to 16° C. at night to 15° C. to 32° C. during the day. Measurements and numerical values represent averages of typical flowering types. Botanical classification: *Leucanthemum* hybrid 'LDDWH02-2'.

PROPAGATION

Time to rooting: Approximately 20 days at approximately 20° C.

Root description: Fine, fibrous.

PLANT

Height: Approximately 12 cm to top of foliar plane. Approximately 20 cm to top of the highest flower.

Blooming period: Naturally blooming Spring to early Fall.

Plant spread: Approximately 20 cm.

Growth rate: Moderate to vigorous.

Branching characteristics: Moderately free branching.

Length of lateral branches: Approximately 10 cm.

Diameter of lateral branches: Approximately 0.3 cm.

Quantity of lateral branches: Approximately 15.

Texture of lateral branches: Nonpubescent, ridged stem.

Color of lateral branches: Near RHS Green 137B.

Aspect: Straight.

Internode length: Approximately 1.0 cm.

Average number of leaves per lateral branch: Approximately 8.

Age of plant described: Approximately 10 weeks from an unrooted cutting.

FOLIAGE

Leaf:

Arrangement.—Alternate, simple.

Average length.—Approximately 5.3 cm.

Average width.—Approximately 1.7 cm.

Shape of blade.—Mature leaves spatulate, young foliage oblanceolate.

Apex.—Acute.

Base.—Attenuate.

Attachment.—Sessile.

Margin.—Dentate.

Texture of top surface.—Smooth.

Texture of bottom surface.—Smooth.

Leaf internode length.—Approximately 3.0 cm.

Color.—Young foliage upper side: Near Green 137A.

Young foliage under side: Near Green 137B. Mature

foliage upper side: Near Green 139A. Mature foliage

under side: Near Green 137B.

Venation.—Type: Pinnate. Venation color upper side:

Near Yellow-Green 144B. Venation color under side:

Near Yellow-Green 144C.

FLOWER

Bloom period: Naturally blooming from Spring to early Fall. Bud:

Bud shape.—Flattened sphere.

Bud length.—Approximately 0.6 cm.

Bud diameter.—Approximately 0.9 cm.

Bud color.—Near Green 137A.

Inflorescence:

Quantity per plant.—Average range around 12 to 18 open inflorescence on a mature plant.

Form.—Single composite type daisy. Occurring mainly on upright terminal peduncles. Infrequently occurring on lateral peduncles.

Lastingness of inflorescence.—Approximately 8 to 10 days in good condition, from fully opened.

Inflorescence:

Diameter of entire inflorescence.—Approximately 4.5 cm.

Depth of inflorescence.—Approximately 1.9 cm.

Width of disc.—Approximately 1.3 cm.

Depth of disc.—Approximately 0.7 cm.

Receptacle:

Width.—0.7 cm.

Depth.—0.4 cm.

Color.—Near R.H.S. Yellow-Green 145C.

Ray florets:

Number of ray florets.—Avg. 30, in 2 to 3 rows.

Length.—Approximately 1.7 cm.

Width.—Approximately 0.7 cm.

Apex.—2 obtuse lobes.

Base.—Attenuate.

Shape.—Oblanceolate to nearly spatulate.

Margin.—Entire.

Texture.—Smooth.

Aspect.—Flat, reflexing downward very slightly with age.

Color:

Ray florets.—Upper surface at first opening: Near White

155C, minute base triangular section colored Yellow-

Green 144C. Upper surface at maturity: Near White

155C base triangular section colored Green 143C.

Upper surface at fading: Near White 155D. Under

surface at first opening: Near White N155B minute

base triangular section colored Yellow-Green 144C.

Under surface at maturity: Near White 155C base

triangular section colored Yellow-Green 144B. Under

surface at fading: Near White 155D.

Disc florets.—Number of Disc Florets.: 200. Length:

Approximately 0.4 cm. Width: Approximately 0.08

cm. Apex: Blunt rounded, maturing to 5 pointed acute

when flower fully opened. Shape: Cylindric. Margin:

Entire. At first opening: Near Green-Yellow 1A. At maturity: Near Yellow 9A. At fading: Near Yellow 12B.

Fragrance: Very faint.

Involucral bracts/phyllaries:

Number.—Approximately 40.

Length.—Approximately 0.4 cm.

Width.—Approximately 0.2 cm.

Shape.—Narrow deltate.

Apex.—Acute.

Base.—Truncate.

Margin.—Entire, membranous.

Texture.—Glabrous.

Color.—Inside involucral bract color near R.H.S. Green 137C, with margin colored Greyed-Purple 187A and outside involucral bract color near R.H.S. Green 137C with margin colored Brown 200A.

Peduncle:

Length.—Average 6.8 cm.

Width.—Approximately 0.3 cm.

Texture.—Ridged.

Color.—Near R.H.S. Green 138A.

REPRODUCTIVE ORGANS

Androecium: Present on disc florets only.

Stamens.—4.

Anther length.—Approximately 0.03 cm.

Anther color.—Near Yellow 12A.

Pollen color.—Pollen not observed.

Gynoecium: Present on ray and disc florets.

Ray florets:

5 *Number of pistils per flower*.—1.

Stigma shape.—Two parted.

Stigma color.—Near Yellow 13B.

Style color.—Near Yellow-Green 1D.

Style length.—Approximately 0.2 cm.

10 Disc florets:

Number of pistils per flower.—1.

Stigma shape.—Two parted.

Stigma color.—Near Yellow 7A.

Style color.—Near Yellow 2D.

Style length.—Approximately 0.3 cm.

OTHER CHARACTERISTICS

20 Disease and pest resistance: Neither resistance nor susceptibility to diseases or pests has been observed in this variety to date.

Temperature tolerance: Hardy perennial. Hardy to at least -2° C., high temperature tolerance to at least 35° C.

Fruit/seed production: Fruit and seed production have not been observed in the new cultivar.

25 What is claimed is:

1. A new and distinct cultivar of *Leucanthemum* plant named 'LDDWH02-2' as herein illustrated and described.

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Fig. 1

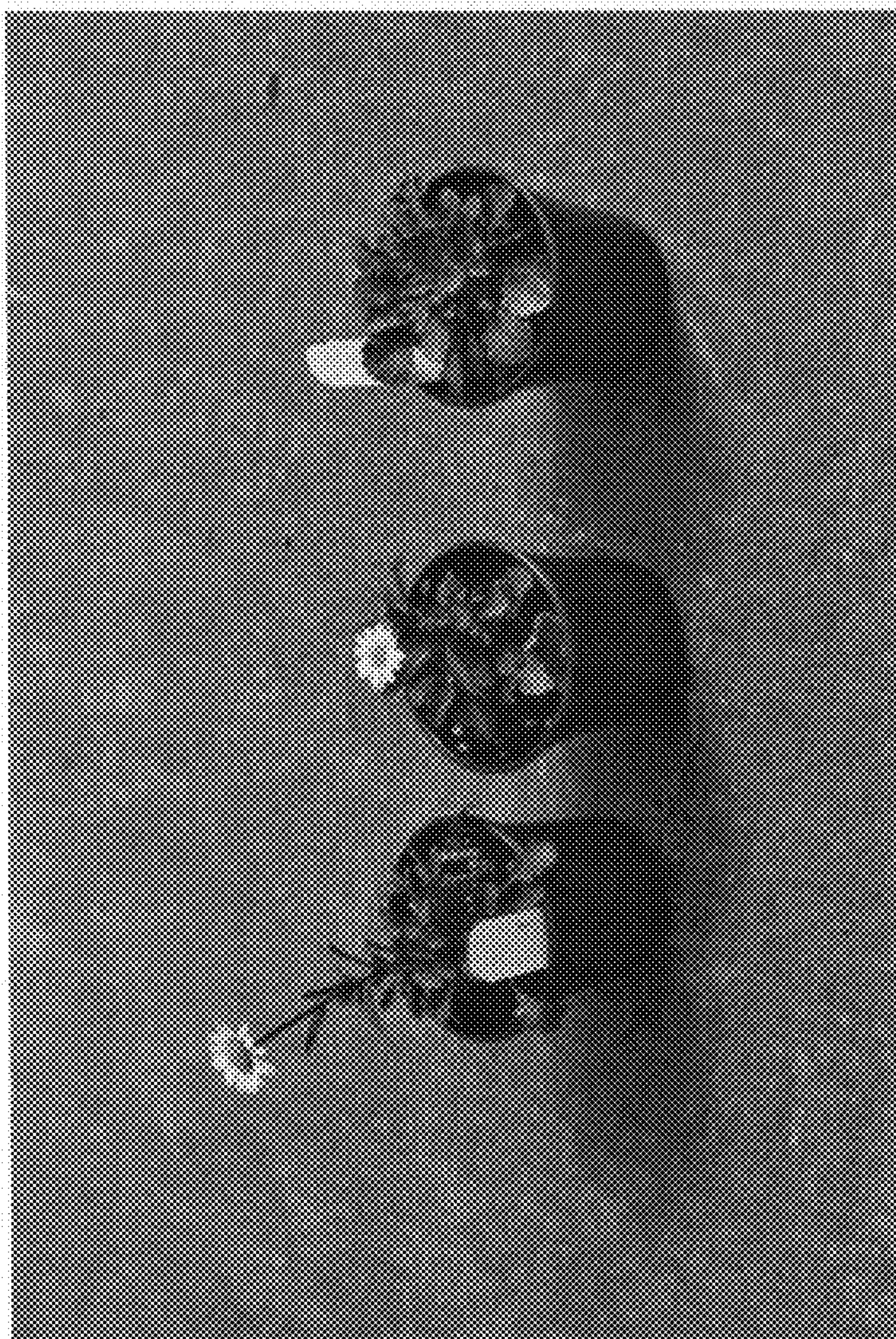


Fig. 2



Fig. 3