

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

(10) **Patent No.:** **US PP19,175 P2**
(45) **Date of Patent:** **Sep. 2, 2008**

(54) **CHRYSOCEPHALUM PLANT NAMED**
‘FLOCHRYEL’

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

(50) Latin Name: *Chrysocephalum apiculatum*
Varietal Denomination: **Flochryel**

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

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

(75) Inventor: **Kerry Veianne Bunker**, Redland Bay
(AU)

Primary Examiner—Kent L Bell
(74) *Attorney, Agent, or Firm*—C. A. Whealy

(73) Assignee: **Floreta Pty. Ltd. as Trustees for**
Chrysocephalum Trust, Capalaba,
Queensland (AU)

(57) **ABSTRACT**

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

A new and distinct cultivar of *Chrysocephalum* plant named
‘Flochryel’, characterized by its compact and outwardly
spreading plant habit; freely flowering habit; inflorescences
with dark yellow-colored disc florets; upright to pendulous
flowering stems; and long flowering period.

(21) Appl. No.: **11/800,796**

(22) Filed: **May 7, 2007**

1 Drawing Sheet

1

Botanical designation: *Chrysocephalum apiculatum*.
Cultivar denomination: ‘Flochryel’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Chrysocephalum* plant, botanically known as *Chryso-*
cephalum apiculatum, and hereinafter referred to by the
name ‘Flochryel’.

The new *Chrysocephalum* is a product of a planned breed-
ing program conducted by the Inventor in Redland Bay,
Queensland, Australia. The objective of the breeding pro-
gram is to create new compact and long-flowering *Chryso-*
cephalum cultivars with numerous and attractive flowers.

The new *Chrysocephalum* originated from a cross-
pollination made by the Inventor in Redland Bay,
Queensland, Australia in 2000, of a proprietary selection of
Chrysocephalum apiculatum identified as code number
02-104, not patented, as the female, or seed, parent with a
proprietary selection of *Chrysocephalum apiculatum* identi-
fied as code number 02-083, not patented, as the male, or
pollen, parent. The new *Chrysocephalum* was discovered
and selected by the Inventor as a single flowering plant from
within the progeny of the stated cross-pollination grown in a
controlled environment in Redland Bay, Queensland, Aus-
tralia in 2001.

Asexual reproduction of the new *Chrysocephalum* by veg-
etative cuttings in a controlled environment in Redland Bay,
Queensland, Australia since 2002, has shown that the unique
features of this new *Chrysocephalum* are stable and repro-
duced true to type in successive generations.

SUMMARY OF THE INVENTION

The cultivar Flochryel has not been observed under all
possible environmental conditions. The phenotype may vary
somewhat with variations in environment such as tempera-
ture and light intensity, without, however, any variance in
genotype.

2

The following traits have been repeatedly observed and
are determined to be the unique characteristics of ‘Flo-
chryel’. These characteristics in combination distinguish
‘Flochryel’ as a new and distinct cultivar of *Chrysoceph-*
alum:

1. Compact and outwardly spreading plant habit.
2. Freely flowering habit.
3. Inflorescences with dark yellow-colored disc florets.
4. Upright to pendulous flowering stems.
5. Long flowering period.

Plants of the new *Chrysocephalum* differ from plants of
the female parent selection in the following characteristics:

1. Plants of the new *Chrysocephalum* are not as compact
as plants of the female parent selection.
2. Plants of the new *Chrysocephalum* are more freely
flowering than plants of the female parent selection.
3. Plants of the new *Chrysocephalum* have longer
peduncles than plants of the female parent selection.
4. Plants of the new *Chrysocephalum* and the female par-
ent selection differ in involucre bract color.

Plants of the new *Chrysocephalum* differ from plants of
the male parent selection in the following characteristics:

1. Plants of the new *Chrysocephalum* have broader leaves
than plants of the male parent selection.
2. Leaves of plants of the new *Chrysocephalum* are pubes-
cent whereas leaves of plants of the male parent selec-
tion are glabrous.
3. Plants of the new *Chrysocephalum* are more freely
flowering than plants of the male parent selection.

Plants of the new *Chrysocephalum* can be compared to
plants of the *Chrysocephalum* cultivar Baby Gold, not pat-
ented. In side-by-side comparisons conducted in Redland
Bay, Queensland, Australia, plants of the new *Chrysoceph-*
alum differed from plants of the cultivar Baby Gold in the
following characteristics:

1. Plants of the new *Chrysocephalum* were not as upright
as plants of the cultivar Baby Gold.

2. Plants of the new *Chrysocephalum* had broader leaves than plants of the cultivar Baby Gold.
3. Leaves of plants of the new *Chrysocephalum* were pubescent whereas leaves of plants of the cultivar Baby Gold were glabrous.
4. Plants of the new *Chrysocephalum* and the cultivar Baby Gold differ in inflorescence color.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs illustrate the overall appearance of the new *Chrysocephalum*. The photographs show 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 *Chrysocephalum*.

The photograph at the bottom of the sheet comprises a side perspective view of a typical flowering plant of 'Flochryel' grown in a container.

The photograph at the top of the sheet is a close-up view of typical inflorescences of 'Flochryel'.

DETAILED BOTANICAL DESCRIPTION

In the following description, color references are made to The Royal Horticultural Society Colour Chart, 1995 Edition, except where general terms of ordinary dictionary significance are used. The aforementioned photographs and following observations and measurements describe plants grown in Bonsall, Calif. during the summer in an outdoor nursery and under conditions and practices which approximate those generally used in commercial *Chrysocephalum* production. During the production of the plants, day temperatures ranged from about 18° C. to 38° C. and night temperatures ranged from about 16° C. to 24° C. Measurements and numerical values represent averages for typical flowering plants. Plants were about nine weeks old when the photographs and description were taken.

Botanical classification: *Chrysocephalum apiculatum* cultivar Flochryel.

Parentage:

Female, or seed, parent.—Proprietary selection of *Chrysocephalum apiculatum* identified as code number 02-104, not patented.

Male, or pollen, parent.—Proprietary selection of *Chrysocephalum apiculatum* identified as code number 02-083, not patented.

Propagation:

Type.—By vegetative cuttings.

Time to initiate roots, summer.—About one week at 30° C.

Time to initiate roots, winter.—About two weeks at 20° C.

Time to produce a rooted young plant, summer.—About three weeks at 30° C.

Time to produce a rooted young plant, winter.—About four weeks at 20° C.

Root description.—Fine to fibrous; pale brown in color.

Rooting habit.—Freely branching; moderately dense.

Plant description:

Plant form/growth habit.—Compact and outwardly spreading plant habit; open plant form; flowering stems upright to pendulous. Vigorous growth habit. Freely branching habit with about seven to eight lat-

eral branches per plant with numerous secondary and tertiary branches.

Plant height.—About 25 cm.

Plant diameter or spread.—About 40 cm.

Lateral branches.—Length: About 26 cm. Diameter: About 2.5 mm. Internode length: About 1.8 cm. Aspect: Upright to outwardly spreading or pendulous. Strength: Moderately strong; flexible. Texture: Pubescent. Color: 195B to 195C.

Foliage description:

Arrangement.—Alternate; simple.

Length.—About 3 cm.

Width.—About 1.1 cm.

Shape.—Spatulate.

Apex.—Broadly acute.

Base.—Attenuate.

Margin.—Entire.

Texture, upper and lower surfaces.—Pubescent.

Venation pattern.—Pinnate; arcuate.

Color.—Developing foliage, upper and lower surfaces: 191A. Fully expanded foliage, upper surface: 191A; venation, 191A. Fully expanded foliage, lower surface: 191B; venation, 191C.

Petiole length.—About 6 mm.

Petiole diameter.—About 3 mm.

Petiole texture, upper and lower surfaces.—Pubescent.

Petiole color, upper surface.—Close to 191A.

Petiole color, lower surface.—Close to 191B.

Inflorescence description:

Appearance.—Composite inflorescence form without ray florets; inflorescences rounded, hemispherical. Inflorescences positioned above and beyond the foliage on erect to pendulous peduncles. Inflorescences face upright to outward. Freely flowering habit; about 80 inflorescences and inflorescence buds per lateral branch. Inflorescences persistent. Inflorescences faintly fragrant, straw-like.

Time to flower.—Under mild weather conditions, plants will flower year-round in Southern California. Inflorescences last about seven to ten days on the plant.

Inflorescence bud.—Height: About 4 mm. Diameter: About 3 mm. Shape: Rounded. Color: 6A.

Inflorescence size.—Diameter: About 7 mm. Depth (height): About 8 mm. Disc diameter: About 5 mm. Receptacle diameter: About 7 mm. Receptacle height: About 5 mm.

Ray florets.—Ray floret development has not been observed.

Disc florets.—Shape: Tubular; apex dentate and reflexed. Length: About 4 mm. Diameter: Less than 1 mm. Number of disc florets per inflorescence: About 200. Color, immature: Apex: Close to 7A. Mid-section: Close to 145C. Base: Close to 145D. Color, mature: Apex: Close to 13A. Mid-section: Close to 145C. Base: Close to 145D.

Phyllaries.—Quantity per inflorescence: About 120 arranged in about ten whorls. Length: About 4 mm. Width: About 2 mm. Shape: Lanceolate. Apex: Acute. Base: Truncate. Margin: Entire. Texture, upper and lower surfaces: Pubescent. Color, upper surface: Close to 7C. Color, lower surface: Close to 9A.

Peduncles.—Length: About 3.5 mm to 7 mm. Diameter: About 1.5 mm. Strength: Moderately strong; flexible. Aspect: About 15° to 30° from the flowering stem axis. Texture: Pubescent. Color: Close to 198D.

5

Reproductive organs.—Androecium: Quantity per disc floret: Five. Anther shape: Oblong. Anther length: About 1 mm. Anther color: Close to 163B. Filament length: About 2 mm. Filament color: Close to 145D. Pollen amount: None observed. Gynoecium: Quantity per disc floret: One. Pistil length: About 4 mm. Stigma shape: Rounded. Stigma color: Close to 163B. Style length: About 2 mm. Style color: Close to 1B. Ovary color: Close to 157D.

Seed/fruit.—Seed and fruit development have not been observed.

6

Disease/pest resistance: Plants of the new *Chrysocephalum* have not been shown to be resistant to pathogens and pests common to *Chrysocephalum*.

Garden performance: Plants of the new Clematis have exhibited good tolerance to rain and wind and have been observed to tolerate temperatures from about -4° C. to about 40° C.

It is claimed:

1. A new and distinct *Chrysocephalum* plant named ‘Flo-chryel’ as illustrated and described.

* * * * *

