



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

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(54) **ERYSIMUM PLANT NAMED**
'BALCHERLEMY'

(65) **Prior Publication Data**
US 2016/0037695 P1 Feb. 4, 2016

(50) Latin Name: *Erysimum linifolium*
Varietal Denomination: **Balcherlemy**

(51) **Int. Cl.**
A01H 5/02 (2006.01)

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

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

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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 120 days.

(57) **ABSTRACT**
A new and distinct cultivar of *Erysimum* plant named 'Bal-
cherlemy', characterized by its medium yellow-colored flow-
ers, dark green-colored foliage, and moderately vigorous,
mounded-upright growth habit, is disclosed.

(21) Appl. No.: **14/121,130**

(22) Filed: **Aug. 4, 2014**

1 Drawing Sheet

1

Latin name of genus and species of plant claimed: *Erysi-
mum linifolium*.

Variety denomination: 'Balcherlemy'.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Erysimum* plant botanically known as *Erysimum linifolium*
and hereinafter referred to by the cultivar name 'Balcher-
lemy'.

The new cultivar originated in a controlled breeding pro-
gram in Guadalupe, Calif. during the summer of 2011. The
objective of the breeding program was the development of
Erysimum cultivars having rich-colored inflorescences and
well-branched growth habits.

The new *Erysimum* cultivar is the result of open-pollina-
tion. The female (seed) parent of the new cultivar is Winter
Sun 'Inerywisun', not patented, characterized by its inflores-
cences having both creamy yellow and medium yellow-col-
ored flowers, deep green-colored foliage, and moderately
vigorous, mounded growth habit. The male (pollen) parent of
the new cultivar is unknown. The new cultivar was discovered
and selected as a single flowering plant within the progeny of
the above stated open-pollination during April 2012 in a
controlled environment in Guadalupe, Calif.

Asexual reproduction of the new cultivar by terminal stem
cuttings since April 2012 in Guadalupe, Calif. and Elburn, Ill.
has demonstrated that the new cultivar reproduces true to type
with all of the characteristics, as herein described, firmly fixed
and retained through successive generations of such asexual
propagation.

SUMMARY OF THE INVENTION

The following characteristics of the new cultivar have been
repeatedly observed and can be used to distinguish 'Balcher-
lemy' as a new and distinct cultivar of *Erysimum* plant:

2

1. Medium yellow-colored flowers;
 2. Dark green-colored foliage; and
 3. Moderately vigorous, mounded-upright growth habit.
- Plants of the new cultivar differ from plants of the female
parent primarily in having a darker mature flower color and a
darker leaf color.

Of the many commercially available *Erysimum* cultivars,
the most similar in comparison to the new cultivar is Fragrant
Sunshine 'Walfrasan' U.S. Plant Pat. No. 13,432. However, in
side by side comparisons, plants of the new cultivar differ
from plants of 'Walfrasan' in at least the following character-
istics:

1. Plants of the new cultivar have lighter yellow-colored
flowers than plants of 'Walfrasan'; and
2. Plants of the new cultivar have darker colored foliage
than plants of 'Walfrasan'.

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

The accompanying photographs show, as nearly true as it is
reasonably possible to make the same in color illustrations of
this type, typical inflorescence and foliage characteristics of
the new cultivar. Colors in the photographs differ slightly
from the color values cited in the detailed description, which
accurately describes the colors of 'Balcherlemy'. The plants
were grown in one-gallon containers for approximately two
months in a greenhouse and one month outdoors in Elburn,
Ill. Plants were given one pinch prior to transplant and one
pinch two weeks after transplant.

FIG. 1 illustrates a side view of the overall growth and
flowering habit of 'Balcherlemy'.

FIG. 2 illustrates a close-up view of an individual inflores-
cence of 'Balcherlemy'.

DETAILED BOTANICAL DESCRIPTION

The new cultivar has not been observed under all possible
environmental conditions to date. Accordingly, it is possible
that the phenotype may vary somewhat with variations in the

environment, such as temperature, light intensity, and day length, without, however, any variance in genotype.

The chart used in the identification of colors described herein is The R.H.S. Colour Chart of The Royal Horticultural Society, London, England, 2007 edition, except where general color terms of ordinary significance are used. The color values were determined in June 2014 under natural light conditions in West Chicago, Ill.

The following descriptions and measurements describe plants produced from cuttings from stock plants and grown under conditions comparable to those used in commercial practice. The plants were grown utilizing a soilless growth medium in one-gallon containers for approximately two months in a greenhouse and one month outdoors in Elburn, Ill. Plants were given one pinch prior to transplant and one pinch two weeks after transplant. Greenhouse temperatures were maintained at approximately 45° F. to 65° F. (7.2° C. to 18.3° C.) during the day and approximately 35° F. to 45° F. (1.7° C. to 7.2° C.) during the night. No supplemental lighting was provided. Measurements and numerical values represent averages of typical plants.

Botanical classification: *Erysimum linifolium* cultivar Balcherlemy.

Parentage:

Female parent.—Winter Sun ‘Inerywisun’, U.S. Plant Patent Pending.

Male parent.—Unknown.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 10 to 12 days.

Time to produce a rooted cutting.—Approximately 35 to 42 days.

Root description.—Fine, fibrous.

Rooting habit.—Freely branching.

Plant description:

Commercial crop time.—Approximately 10 to 12 weeks from a rooted cutting to finish in a 15 cm pot.

Growth habit and general appearance.—Moderately vigorous, mounded-upright.

Size.—Height from soil level to top of plant plane: Approximately 35.0 cm. Width: Approximately 27.0 cm.

Branching habit.—Freely branching. Quantity of main branches per plant: Approximately 8.

Branch.—Shape: Ribbed. Strength: Strong. Length to base of inflorescence: Approximately 10.0 cm. Diameter: Approximately 5.0 mm. Length of central internode: Approximately 5.0 mm. Texture: Densely pubescent with appressed hairs. Color of young and mature stems: 145A.

Foliage description:

General description.—Quantity of leaves per main branch: Approximately 18. Fragrance: None. Form: Simple. Arrangement: Alternate in a spiral.

Leaves.—Aspect: Perpendicular or obtuse angle to stem. Shape: Oblanceolate. Margin: Entire, undulate. Apex: Acute. Base: Attenuate, sessile. Venation pattern: Pinnate. Length of mature leaf: Approximately 11.5 cm. Width of mature leaf: Approximately 1.6 cm. Texture of upper and lower surfaces: Densely pubescent with appressed hairs. Color of upper surface of young and mature foliage: Closest to, but darker than N137A with midvein of 147D, other venation indistinguishable. Color of lower surface of young and mature foliage: 137B with midvein of 147C, other venation indistinguishable.

Flowering description:

Flowering habit.—‘Balcherlemy’ is freely flowering under outdoor growing conditions with substantially continuous blooming from early spring through autumn.

Lastingness of individual flower on the plant.—Approximately 6 to 8 days.

Inflorescence description:

General description.—Type: Terminal raceme. Quantity per plant: Approximately 15. Fragrance: Slight, sweet. Length or height: Approximately 19.5 cm. Width: Approximately 4.5 cm. Quantity of fully open flowers per inflorescence: Approximately 6.

Flower description:

Type.—Solitary, self-cleaning.

Bud.—Rate of opening: Generally takes 4 to 5 days for bud to progress from first color to fully open flower.

Bud just before opening.—Shape: Ovoid and slightly flattened. Length: Approximately 9.0 mm. Diameter: Approximately 5.0 mm. Color: Calyx of 137B; petals of 3A.

Corolla.—Shape: Lobes cruciform with claws surrounded by calyx. Aspect: Facing upward and outward. Diameter: Approximately 2.0 cm. Depth: Approximately 1.6 cm.

Petals.—Quantity: 4. Shape: Obovate. Margin: Entire, undulate. Apex: Obtuse. Base: Attenuate. Length of lobes: Approximately 9.0 mm. Width of lobes: Approximately 1.0 cm. Length of claws: Approximately 7.0 mm. Width of claws: Approximately 1.0 mm. Texture of upper and lower surfaces: Glabrous. Color of upper surface of lobes when first open: 3A. Color of lower surface of lobes when first open: 3B. Color of upper surface of lobes when fully open: 3B to 3C. Color of lower surface of lobes when fully open: 3C to 3D. Color of upper and lower surfaces of claws: NN155A with a midvein of 145A.

Calyx.—Shape: Cupped. Diameter: Approximately 5.0 mm.

Sepals.—Quantity per flower: 4, distinct. Shape: Lanceolate. Apex: Acute. Base: Truncate. Length: Approximately 8.0 mm. Width: Approximately 3.0 mm. Texture of inner surface: Glabrous. Texture of outer surface: Densely pubescent with appressed hairs. Color of inner surface: 137B. Color of outer surface: 137C.

Pedicel.—Strength: Strong. Aspect: Acute angle to stem. Length: Approximately 5.0 mm. Diameter: Approximately 1.0 mm. Texture: Densely pubescent with appressed hairs. Color: 137C.

Reproductive organs.—Androecium: Stamen quantity: 6 per flower. Stamen length: Approximately 7.0 mm, 1 pair slightly shorter and inserted lower. Filament texture: Glabrous. Filament color: 145D. Anther shape: Sagittate, dorsifixed. Anther length: Approximately 2.0 mm. Anther color: 4D, darkening to 161 D with age. Pollen amount: None observed. Gynoecium: Pistil quantity: 1 per flower. Pistil length: Approximately 1.0 cm. Stigma shape: Bifid. Stigma length: Approximately 1.0 mm. Stigma color: 151D. Style length: Approximately 1.0 mm. Style color: 144A. Ovary length: Approximately 8.0 mm. Ovary diameter: Approximately 1.5 mm. Ovary texture: Densely pubescent with appressed hairs. Ovary color: 144A, appears lighter colored due to pubescence.

Seed and fruit production: Neither seed nor fruit production has been observed.
Disease and pest resistance: Resistance to pathogens and pests common to *Erysimum* has not been observed.

What is claimed is:
1. A new and distinct cultivar of *Erysimum* plant named ‘Balcherlemy’, substantially as herein shown and described.
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FIG. 1

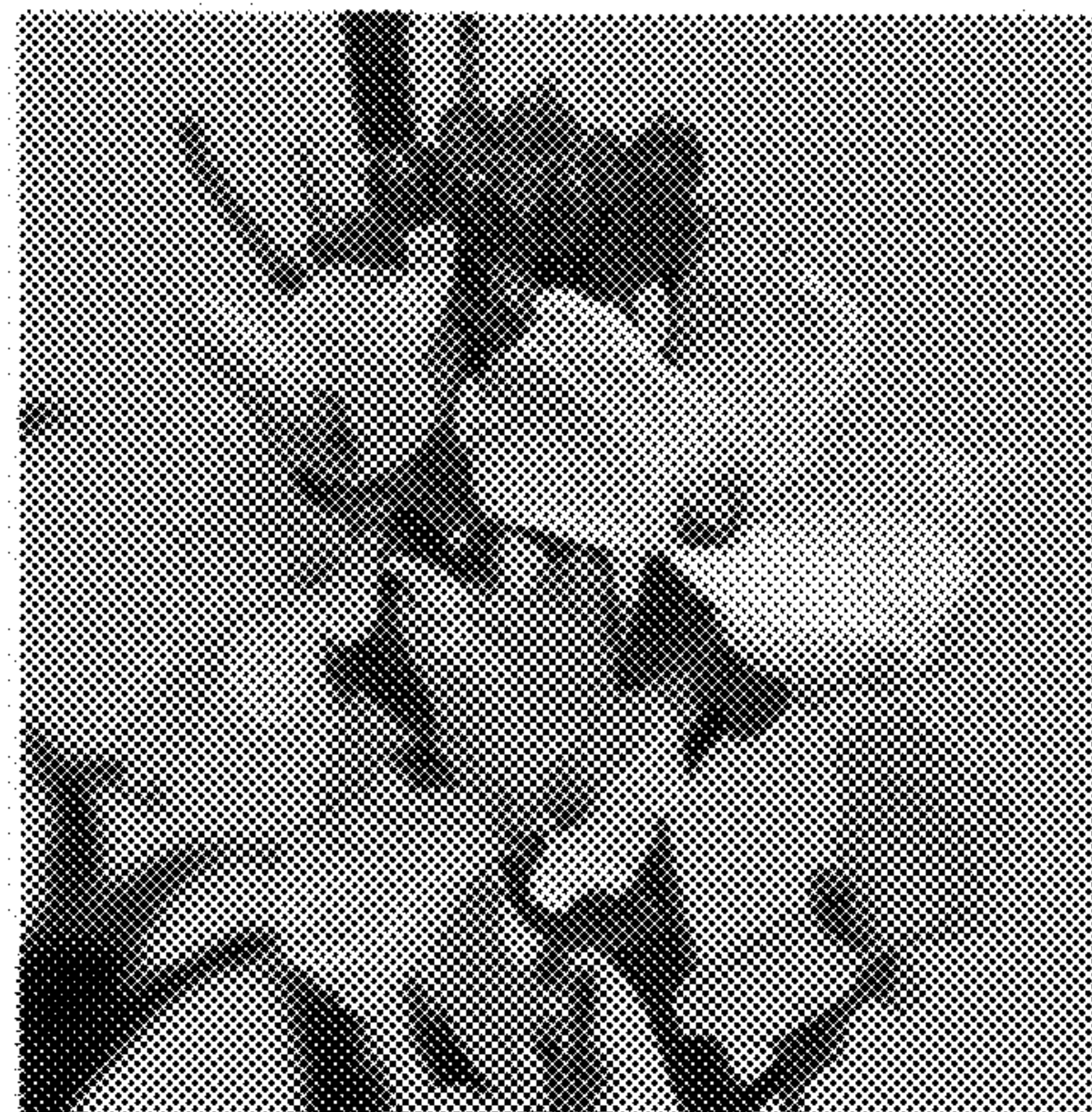


FIG. 2