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Masor

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(54) **VERBENA PLANT NAMED ‘BALCADREDIM’**

(50) Latin Name: *Verbena* hybrid
Varietal Denomination: **Balcadredim**

(71) Applicant: **Ball Horticultural Company**, West
Chicago, IL (US)

(72) Inventor: **Laura L. Masor**, Grover Beach, CA
(US)

(73) Assignee: **Ball Horticultural Company**, West
Chicago, IL (US)

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patent is extended or adjusted under 35
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(52) **U.S. Cl.**
USPC **Plt./308**

(58) **Field of Classification Search**
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Primary Examiner — Annette H Para

(74) *Attorney, Agent, or Firm* — Audrey Charles

(57) **ABSTRACT**

A new and distinct cultivar of *Verbena* plant named ‘Bal-
cadredim’, characterized by its medium red-colored flowers
having a white-colored “eye”, medium green-colored foli-
age, and moderately vigorous, compact-upright growth
habit, is disclosed.

1 Drawing Sheet

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Latin name of genus and species of plant claimed: *Ver-
bena* hybrid.

Variety denomination: ‘Balcadredim’.

BACKGROUND OF THE INVENTION

The present invention relates to a new and distinct cultivar
of *Verbena* plant botanically known as *Verbena* hybrid and
hereinafter referred to by the cultivar name ‘Balcadredim’.

The new cultivar originated in a controlled breeding
program in Arroyo Grande, Calif. during May 2016. The
objective of the breeding program was the development of
Verbena cultivars that have a compact-upright growth habit.

The new *Verbena* cultivar is the result of cross-pollina-
tion. The female (seed) parent of the new cultivar is the
proprietary *Verbena* hybrid breeding selection coded
16-10755-3, not patented, characterized by its medium red-
colored flowers having a white-colored “eye”, medium
green-colored foliage, and moderately vigorous, compact-
upright growth habit. The male (pollen) parent of the new
cultivar is the proprietary *Verbena* hybrid breeding selection
coded 16-10724-1, not patented, characterized by its
medium cherry-red colored flowers having a white-colored
“eye”, medium green-colored foliage, and moderately vig-
orous, compact-upright growth habit. The new cultivar was
selected as a single flowering plant within the progeny of the
above stated cross-pollination during August 2017 in a
controlled environment in Arroyo Grande, Calif.

Asexual reproduction of the new cultivar by terminal stem
cuttings since August 2017 in Arroyo Grande, Calif., and
West Chicago, Ill. has demonstrated that the new cultivar
reproduces true to type with all of the characteristics, as
herein described, firmly fixed and retained through succes-
sive 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
‘Balcadredim’ as a new and distinct cultivar of *Verbena*
plant:

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1. Medium red-colored flowers having a white-colored
“eye”;
2. Medium green-colored foliage; and
3. Moderately vigorous, compact-upright growth habit.

Plants of the new cultivar differ from plants of the female
and male parents primarily by having a greater plant height.

Of the many commercially available *Verbena* cultivars,
the most similar in comparison to the new cultivar is Cadet
Upright Red ‘Balcadred’, not patented. However, in side-
by-side comparisons, plants of the new cultivar differ from
plants of ‘Balcadred’ in at least the following characteristics:

1. Plants of the new cultivar have slightly more scarlet-red
colored flowers than plants of ‘Balcadred’; and
2. Plants of the new cultivar have a greater plant width
than plants of ‘Balcadred’.

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 flower and foliage characteristics of the
new cultivar. Colors in the photographs may differ slightly
from the color values cited in the detailed description, which
accurately describes the colors of ‘Balcadredim’. The
approximately 6-month-old plants were grown in 4.5-inch
pots for approximately 3 months, then transplanted into
6-inch pots and grown for an additional 2 months in a
greenhouse in West Chicago, Ill. Plants were given one
pinch two weeks before the first transplant.

FIG. 1 illustrates a side view of the overall growth and
flowering habit of ‘Balcadredim’.

FIG. 2 illustrates a close-up view of an individual inflo-
rescence of ‘Balcadredim’.

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, 2015 edition, except where
5 general color terms of ordinary significance are used. The color values were determined in March 2020 under natural light conditions in West Chicago, Ill.

The following descriptions and measurements describe approximately 6-month-old plants produced from cuttings from stock plants and grown in a glass-covered greenhouse under conditions comparable to those used in commercial practice. The plants were grown in West Chicago, Ill. utilizing a soilless growth medium in 4.5-inch pots for
10 approximately 3 months, then transplanted into 6-in pots and grown for an additional 2 months. Plants were given one pinch two weeks before the first transplant. Greenhouse temperatures were maintained at approximately 67° F. to 72° F. (19° C. to 22° C.) during the day and approximately 65°
15 F. to 68° F. (18° C. to 20° C.) during the night. Supplemental lighting was used. Measurements and numerical values represent averages of typical plants.

Botanical classification: *Verbena* hybrid 'Balcadredim'.

Parentage:

Female parent.—Proprietary *Verbena* hybrid breeding selection coded 16-10755-3, not patented.

Male parent.—Proprietary *Verbena* hybrid breeding selection coded 16-10724-1, not patented.

Propagation:

Type cutting.—Terminal stem.

Time to initiate roots.—Approximately 6 to 9 days.

Time to produce a rooted cutting.—Approximately 24 to 28 days.

Root description.—Fibrous.

Rooting habit.—Freely branching.

Plant description:

Commercial crop time.—Approximately 5 to 7 weeks from a rooted cutting to finish in a 10 cm pot.

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

Size.—Height from soil level to top of plant plane: Approximately 19.0 cm. Width: Approximately 31.0 cm.

Branching habit.—Freely branching, pinching enhances basal branching, Quantity of main branches per plant: Approximately 7.

Branch.—Shape: Square in cross section. Strength: Strong. Length: Approximately 10.0 cm. Diameter: Approximately 3.0 mm. Length of central internode: Approximately 1.0 cm. Texture: Densely pubescent with a mixture of glandular and nonglandular hairs. Gland color: Colorless, transparent. Color of young stems: 145A. Color of mature stems: 144A.

Foliage description:

General description.—Quantity of leaves per main branch: Approximately 10. Fragrance: None detected. Form: Simple. Arrangement: Opposite.

Leaves.—Aspect: Perpendicular to stem, obtuse angle with age. Shape: Ovate to oblong. Margin: Crenate. Apex: Broadly acute. Base: Truncate. Venation pattern: Pinnate. Length of mature leaf: Approximately 4.5 cm. Width of mature leaf: Approximately 2.8 cm. Texture of upper surface: Densely pubescent. Texture of lower surface: Densely pubescent with a mixture of glandular and nonglandular hairs. Gland

color: Colorless, transparent. Color of upper surface of young and mature foliage: Closest to but darker than 137A with venation of 147C. Color of lower surface of young and mature foliage: Closest to 137B with venation of 147C.

Petiole.—Length: Approximately 1.0 cm. Diameter: Approximately 2.0 mm. Texture: Densely pubescent with a mixture of glandular and nonglandular hairs. Gland color: Colorless, transparent. Color: 147C.

Flowering description:

Flowering habit.—'Balcadredim' is freely flowering under outdoor growing conditions with substantially continuous blooming from spring through autumn and year-round in greenhouse environment.

Lastingness of individual flower on the plant.—Approximately 5 to 7 days.

Inflorescence description:

General description.—Type: Corymb. Shape: Hemispherical. Quantity per plant: Approximately 7. Fragrance: None detected. Length or height: 3.5 cm. Width: Approximately 6.0 cm. Quantity of fully open flowers per inflorescence: Approximately 13.

Peduncle.—Strength: Strong. Aspect: Erect. Length: Approximately 2.0 cm. Diameter: Approximately 2.0 mm. Texture: Densely pubescent with a mixture of glandular and nonglandular hairs. Gland color: Colorless, transparent. Color: 145A.

Flower description:

General description.—Type: Sessile, salverform.

Bud.—Rate of opening: Generally takes 2 to 3 days for bud to progress from first color to fully open flower. Quantity of unopened inflorescences per plant: Approximately 9.

Bud just before opening.—Shape: Elongated, globular at apex. Length: Approximately 1.5 cm. Diameter: Approximately 3.0 mm. Color: Petal portion NN155B with an overlay of 77C to 77A, sepal portion 137B.

Corolla.—Shape: Round. Diameter: Approximately 2.3 cm. Depth: Approximately 2.8 cm.

Petals.—Quantity: 5, fused at base forming a tube. Shape: Obovate. Appearance: Matte. Margin: Entire. Apex: Emarginate. Length of upper petals from tube: Approximately 1.1 cm. Width of upper petals: Approximately 1.0 cm. Length of lateral petals from tube: Approximately 1.1 cm. Width of lateral petals: Approximately 1.1 cm. Length of lower petal from tube: Approximately 1.2 cm. Width of lower petal: Approximately 1.2 cm. Texture of upper surface: Glabrous with glandular pubescent base. Gland color: Colorless, transparent. Texture of lower surface: Sparsely pubescent with a mixture of glandular and nonglandular hairs. Gland color: Colorless, transparent. Color of upper surface when first and fully open: 45B with an overlay of 46A near base, NN155D at throat opening. Color of lower surface when first and fully open: Closest to but lighter than 45D with NN155D at base of all petals. Color of whiskers surrounding the opening of the corolla tube: NN155B.

Corolla tube.—Length: Approximately 2.0 cm. Diameter at proximal end: Approximately 1.0 mm. Diameter at distal end: Approximately 2.0 mm. Texture of outer surface: Upper half sparsely glandular pubescent, lower half glabrous. Gland color: Colorless,

transparent. Texture of inner surface: Densely pubescent. Color of outer surface: 145D. Color of inner surface: NN155B with 158D at throat opening.

Calyx.—Shape: Tubular with 5 acute tips. Length: Approximately 1.2 cm. Width: Approximately 3.0 mm. 5

Sepals.—Quantity per flower: 5, fused at base. Shape: Linear. Apex: Acute. Length: Approximately 1.2 cm. Width: Approximately 1.0 mm. Texture of inner surface: Moderately pubescent. Texture of outer surface: Densely pubescent with a mixture of glandular and nonglandular hairs. Gland color: Colorless, transparent. Color of inner and outer surfaces: 137A. 10

Stipules.—Shape: Lanceolate. Apex: Acute. Length: Approximately 8.0 mm. Width at base: Approximately 1.0 mm. Texture of inner surface: Sparsely pubescent. Texture of outer surface: Densely pubescent with a mixture of glandular and nonglandular hairs. Gland color: Colorless, transparent. Color of inner and outer surfaces: 137A with 144A at base. 15 20

Reproductive organs.—Androecium: Stamen quantity: 4, didynamous. Stamen length of longer pair: Approximately 2.0 mm. Stamen length of shorter pair: Approximately 1.0 mm. Anther shape: Bilobed, ovoid. Anther length: Approximately 1.0 mm. Anther color: 145B. Pollen amount: Moderate. Pollen color: 1D. Gynoecium: Pistil quantity: 1 per flower. Pistil length: Approximately 1.9 cm. Stigma shape: Bifid. Stigma length: Less than 1.0 mm. Stigma color: 137A. Style length: Approximately 1.8 cm. Style color: 145D. Ovary diameter: Approximately 1.0 mm. Ovary texture: Glabrous. Ovary color: 144B.

Seed and fruit production: Neither seed nor fruit production has been observed.

Disease and pest resistance: Desistance to pathogens and pests common to *Verbena* has not been observed.

What is claimed is:

1. A new and distinct cultivar of *Verbena* plant named 'Balcadredim', substantially as herein illustrated and described.

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FIG. 1

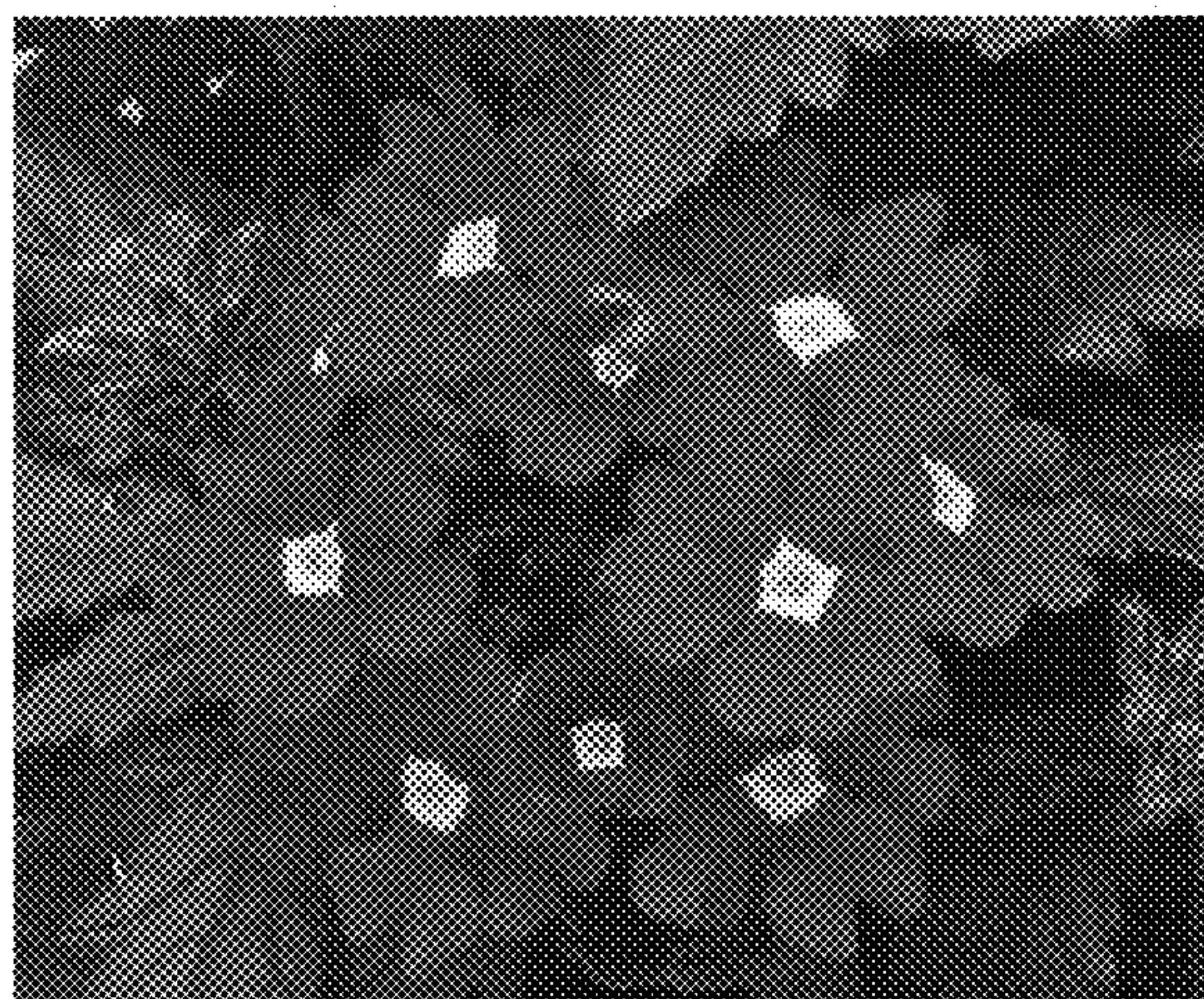


FIG. 2