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United States Patent [19]
Butcher

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[54] CHRYSANTHEMUM PLANT NAMED ‘KIAH’
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[57] ABSTRACT

A new variety of Chrysanthemum plant having a cymose cluster inflorescence form producing reddish bronze flowers of the decorative type in the shape of an irregular circle.

2 Drawing Sheets

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BACKGROUND OF THE INVENTION

The present invention is directed to a new and distinct variety of Chrysanthemum botanically classified as *Den-*
dranthema grandiflora. The varietal denomination of the
new chrysanthemum is ‘Kiah’.
‘Kiah’ was discovered as a natural mutation in a con-
trolled cultivated planting of the variety ‘Coral Pomona,’
U.S. Plant Pat. No. 7,841. The new variety has been asexu-
ally reproduced by vegetative cuttings in Ventura County,
Calif. and the distinguishing characteristics are retained
through successive generations of asexual reproduction.

SUMMARY OF THE INVENTION

‘Kiah’ is a pot forcing chrysanthemum plant variety
producing reddish bronze flowers and capable of being
grown commercially in a greenhouse.

Comparison With Parent

‘Kiah’ differs from the parent ‘Coral Pomona’ in ray floret
color and height, with ‘Kiah’ somewhat shorter than the
parent variety.

BRIEF DESCRIPTION OF ILLUSTRATIONS

The accompanying photographs show typical specimens
of the new variety with colors being as nearly true as
possible with illustrations of this type.

FIG. 1 shows the cultivar when grown as a pinched spray
pot mum, and

FIG. 2 is a close-up view of typical inflorescences.

DESCRIPTION OF THE PLANT

The following description of the new variety is of speci-
mens grown in a greenhouse in Ventura County, Calif. in the
month of October. ‘Kiah’ has not been observed under all
possible environmental conditions. The phenotype may vary
significantly with variations in the environment such as
temperature, light intensity, day length and cultural condi-
tions.

Plants of the new variety have been grown successfully
under temperature conditions averaging about 65° F. at night
and about 75°–85° F. during the day under light conditions
of about 5,000–6,000 foot candles. The plants respond well
to use of growth retardant, such as one 09 treatment at about
2500 ppm. To produce a commercial product the plants may
be pinched once with the center bud removed. It has been
observed that the shelf of ‘Kiah’ is about 20 days with the

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response time of about 9 weeks. Color values are taken from
The Royal Horticultural Society Colour Chart (R.H.S.C.C.).

Plant

Habit: Branching, somewhat spreading. ‘Kiah’ is used as a
potted plant. Shelf life of the potted plant is around 20
days.
Height: About 21 cm.
Branching characteristics: Strong branches both in quality
and quantity.
Number of breaks from pinch: About 4.
Typical container size to be grown in: 4", 6", 8", 10".
Length of lateral branches: Average — about 15 cm.
Stem color: Near 144C.

Foliage

Leaf arrangement: Alternate.
Number of leaves per lateral branch: Average — about 9, not
very leafy, but appears full.
(1) *Size*.—Length — Average about 7.9 cm. Width —
Average about 4.4 cm.
(2) *Shape*.—Ovate.
(3) *Attachment*.—Petioled.
(4) *Apex*.—Obtuse with serration at tip.
(5) *Base*.—Tapered.

(6)	Color:	Mature	Young
	Top:	Near 137A	Near 137B
	Bottom:	Near 138B	Near 138B

Margin: Lobed with serrations.
Aspect: Whole leaf curled down slightly.
Surface characteristics:
Top.—Puberulent.
Bottom.—Puberulent.
Venation: Net, with prominent mid-vein. Main veins are
prominent on underside of leaf. Main vein coloration is
near 144B. Veinlet coloration is near 137B.
Petiole:
(1) *Length*.—About 2.2 cm.
(2) *Color*.—Near 144B.
(3) *Other characteristics*.—Winged, tomentose.
Stipule: Not present.

Flower

Inflorescence form: Cymose cluster.
Flower:
Form.—Decorative.
Shape.—Flat.

Color (general).—Red-Bronze with yellow under petals. Blooms: About 4 blooms per branch.

(1) *Diameter.*—About 10 cm.

(2) *Depth.*—About 2.3 cm.

Sepal:

(1) *Number.*—About 40.

(2) *Color.*—Near 147A.

(3) *General appearance.*—Very membranous edges, green fleshy part is only a straight, narrow strip, margins entire and membranous shape is concave-convex.

Peduncle:

(1) *Length.*—Average about 5.5 cm.

(2) *Habit.*—Upright in middle, curved on outer branches.

(3) *Surface.*—Tomentose.

(4) *Color.*—Near 144A.

(5) *Strength.*—Sturdy.

Bud:

(1) *Shape.*—Half sphere, flat top.

(2) *Diameter.*—Avg. about 1 cm.

(3) *Color.*—Near 162B.

(4) *Height.*—About 0.6 cm.

Ray florets:

(1) *Number per flower.*—About 230.

(2) *Fused.*—No.

(3) *Texture.*—Dull matte.

(4) *Shape.*—Elliptic.

(5) *Apex.*—Older flowers develop 3 very small lobes, younger flowers have no lobes.

(6) *Base.*—Tapered.

(7) *Margin.*—Entire.

(8) *Aspect.*—Revolute.

(9) *Length.*—Avg. About 4.6 cm.

(10) *Width.*—Avg. About 1.4 cm.

Color — top side.—Immature: Near 179A with faint yellow streaks. Mature: Near 181B with faint yellow streaks. Fading: Near 184A, faint yellow streaks.

Color — under side.—Immature: Near 162B with streaks of near 180A. Mature: Near 181C with yellow streaks. Fading: Near 181A with yellow stripes.

Disc florets:

(1) *Number per flower.*—About 30.

(2) *Texture.*—Shiny.

(3) *Shape.*—Cylindric.

(4) *Margin.*—Entire.

(5) *Length.*—About 0.5 cm.

(6) *Width.*—About 0.12 cm.

(7) *Fragrance.*—Light, musky.

Color.—Immature: Near 17C with light green tip.

Mature: Near 17C with light green tip, white base.

Fading: Near 15B.

Description of flower as it ages: Center becomes almost completely yellow and develops an eye. Yellow streaks become more prominent, but reddish coloration does not fade.

Reproductive Organs

Ray florets:

Pistillate.—(1) Pistil number: 1 per flower. (2) Recaptacle shape: Half sphere. (3) Stigma shape: Forked, curling out almost perpendicular. (4) Stigma color: Near 17B. (5) Style length: About 0.4 cm. (6) Style color: Near 154C.

Disc florets:

Pistillate.—(1) Pistil number: 1 per flower. (2) Stigma shape: Linear. (3) Style length: About 0.2 cm.

Staminate.—(1) Stamen number: About 6. (2) Anther length: About 0.2 cm. (3) Anther shape: Linear. (4) Pollen color: Near 23A. (5) Pollen quantity: Abundant.

What is claimed is:

1. A new and distinct variety of Chrysanthemum plant substantially as herein shown and described.

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FIG. 1



FIG. 2

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Plant 10,723
DATED : December 15, 1998
INVENTOR(S) : Thomas A. Butcher

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, line 48, change "09" to -- B9 --.

Column 3, lines 1-4, for proper form lines 1-4 should read as follows:

-- *Color (general).*—Red-Bronze with yellow
under petals.

Blooms: About 4 blooms per branch.

(1) *Diameter.*—About 10 cm.

(2) *Depth.*—About 2.3 cm. --.

Column 4, lines 24, 25, change "Recaptacle" to -- Receptacle --.

Signed and Sealed this

Twenty-eighth Day of March, 2000

Attest:



Q. TODD DICKINSON

Attesting Officer

Commissioner of Patents and Trademarks