

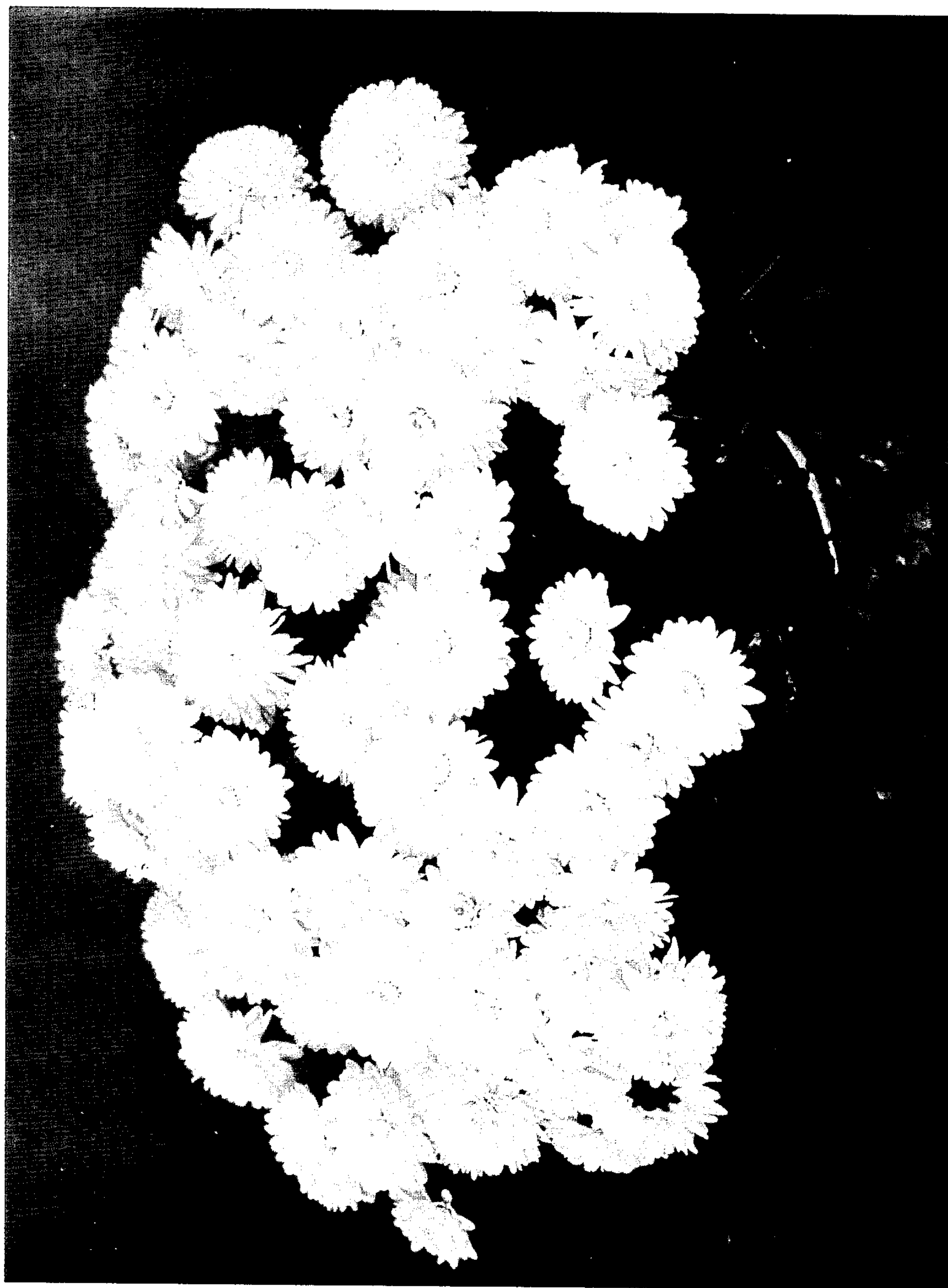
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Plant Pat. 3,454

CHRYSANTHEMUM PLANT

Filed May 15, 1972



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3,454

CHRYSANTHEMUM PLANT

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1 Claim

The present invention comprises a new and distinct cultivar of chrysanthemum plant which is a seedling of parents identified as #C84-62 × #MX514-63. Both parents are unpatented and identified for breeding purposes by the above breeding numbers to distinguish the parents from other parents in the breeding program.

The new cultivar is similar in many respects to the unpatented but commercial cultivar Early Gold, having the same characteristics as Early Gold of:

- (1) Early response.
- (2) Flower form.
- (3) Foliage size and color.
- (4) Compact cushion habit.
- (5) Flowering period.

The new cultivar is distinguished from Early Gold by the following characteristics when grown under comparable conditions:

- (1) Flowers approximately ¼" larger.
- (2) Individual petals are incurved with a longitudinal petal roll, thereby providing a more solid flower and a more formal flower form.

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(3) Approximately six days longer keeping quality in the fall garden.

(4) A lighter gold flower color.

(5) Stronger stems.

(6) A taller, more spreading habit with slightly more prolific branching in the fall garden.

(7) Less leaf serration.

(8) More prominent stipules.

The new cultivar was selected from the progeny of the designated cross and when asexually reproduced by cuttings at Barberton, Ohio, has been found to retain its distinctive characteristics through successive propagations.

The new cultivar when grown in the vicinity of Barberton, Ohio, has a response period of approximately 7 weeks, and the following detailed description is based on observations made of the new cultivar at and in a greenhouse in Barberton, Ohio. The response time, blooming period, color, and total vigor may vary significantly with varying environmental conditions such as temperature, day length, and light intensity. Suggested flowering in the northern and western United States and coastal California is from mid-April through May and mid-September through mid-October.

The accompanying drawing shows the unique characteristics of the new cultivar, the color being as nearly true as possible with color illustrations of this type.

In the following description, color references are made to the Munsell Color Book, 1963 edition, and comparisons are made with the cultivar Early Gold. Where only a single value or description appears for the new cultivar, the same value or description applies also to the comparison cultivar.

Botanical classification: *Chrysanthemum morifolium*

	Pixie Cushion	Early Gold
Bloom:		
Size	1½"	1¼"
Fully expanded	1½"	1½"
Borne	Clusters on elongated pedicels	Clusters on elongated pedicels
Stems	Strong	Moderately strong
Form	Intermediate pompon	
Permanence	14-16 days	10 days
Color:		
Center of flower	Dark yellow, 6.25Y8.5/12	Dark yellow, 5Y8.5/12
Base of petals	Yellow, 7.5Y8.5/10	Do.
Inside of petals	do	Do.
Reverse of petals	Light yellow, 7.5Y8.5/8	Yellow, 5Y8.5/10
Tonality from a distance	Yellow	Yellow
Discoloration	Yellow, 7.5Y8.5/8	Yellow, 5Y8.5/8
Petals:		
Texture	Smooth	
Appearance and form	Open at base, broad shallow ridged keel—slight lateral roll, tapering to a blunt point.	Open at base, broad shallow slightly ridged keel, tapering to a blunt point.
Arrangement	Composite, whorled on a single receptacle	
Persistence	Resist shatter	
Fragrance	Typical chrysanthemum	
Reproductive organs:		
Stamen, anthers	5-10	4-5
Pollen	None—very scant	None
Arrangement	Clustered in center of flower, if present	
Styles	Present both ray and disc florets	
Length	Short	
Ovaries	At the base of petal attached to receptacle	
Plant:		
Form	Herbaceous	
Growth	Compact—spreading	
Height	Approximately 9½" from a mid-June, outdoor, natural season planting; single pinch.	Approximately 8" from a mid-June, outdoor, natural season planting; single pinch.
Spread	Approximately 16" from a mid-June, outdoor, natural season planting; single pinch.	Approximately 14" from a mid-June, outdoor, natural season planting; single pinch.
Foliage:		
Top side	Dark green, 7.5GY3/4	Dark green, 7.5GY3/4
Size	2¼" long, 1½" wide	2½" long, 1½" wide
Quantity	Numerous	
Shape	Spatulate lobed	
Texture	Smooth	
Ribs & veins	Prominent	
Edge	Moderately indented	
Serration	Very slight	Moderate
Underside	Light green, 7.5GY5/4	Light green, 7.5GY5/4
Stipules	Prominent	Rudimentary

We claim:

1. A new and distinct cultivar of chrysanthemum characterized particularly as to its uniqueness when compared with the garden cultivar Early Gold by its flowers which are approximately $\frac{1}{4}$ " larger; its stronger stems; its incurved individual petals with a longitudinal petal roll, thereby providing a more solid flower and a more formal flower form; its approximately six days longer keeping

quality in the fall garden; its lighter gold flower color; its taller, more spreading habit with slightly more prolific branching in the fall garden, less leaf serration, and more prominent stipules.

No references cited.

ROBERT E. BAGWILL, Primary Examiner