

Jan. 8, 1974

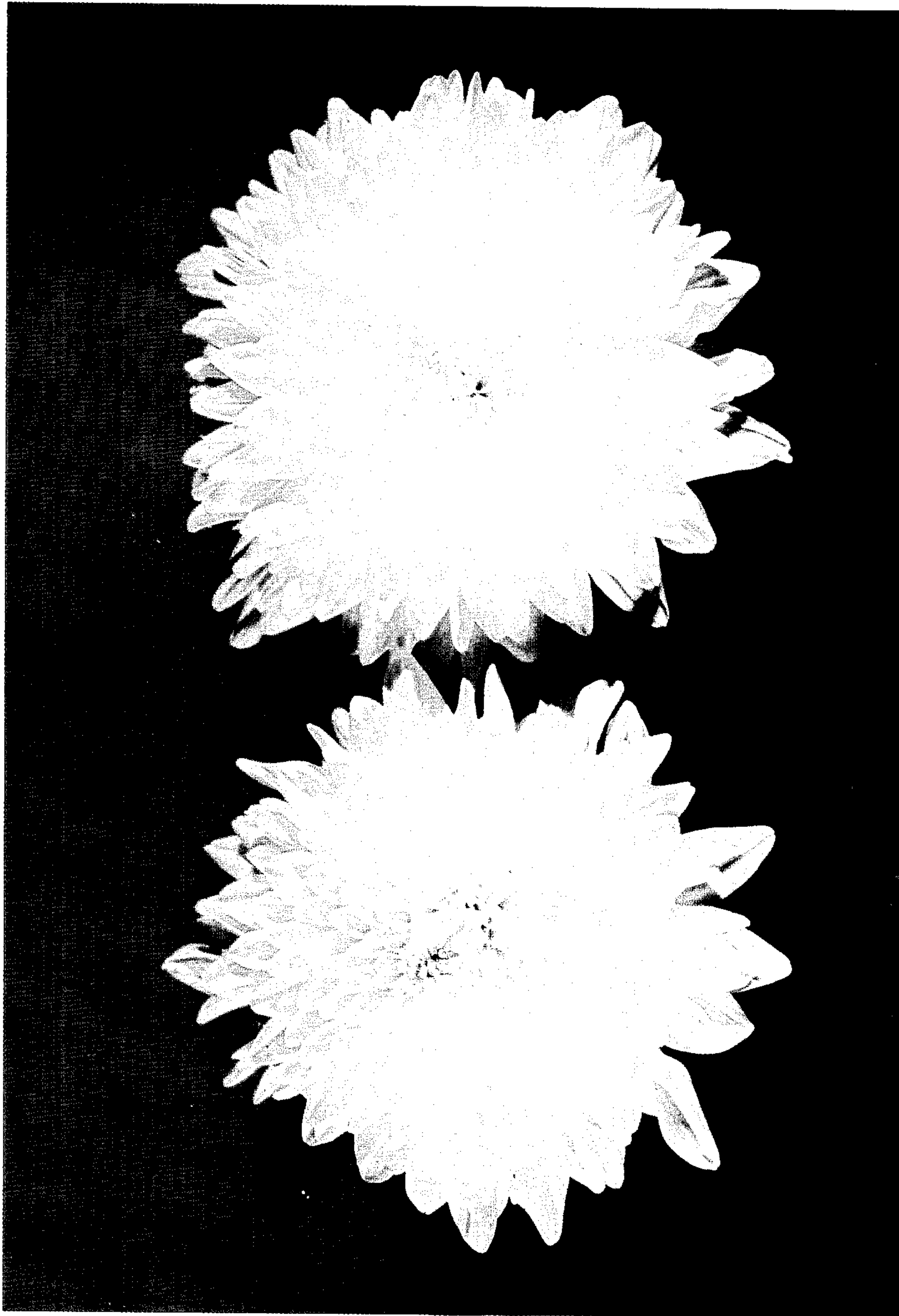
W. H. JESSEL, JR., ET AL

Plant Pat. 3,424

CHRYSANTHEMUM PLANT

Filed Dec. 10, 1971

2 Sheets-Sheet 1



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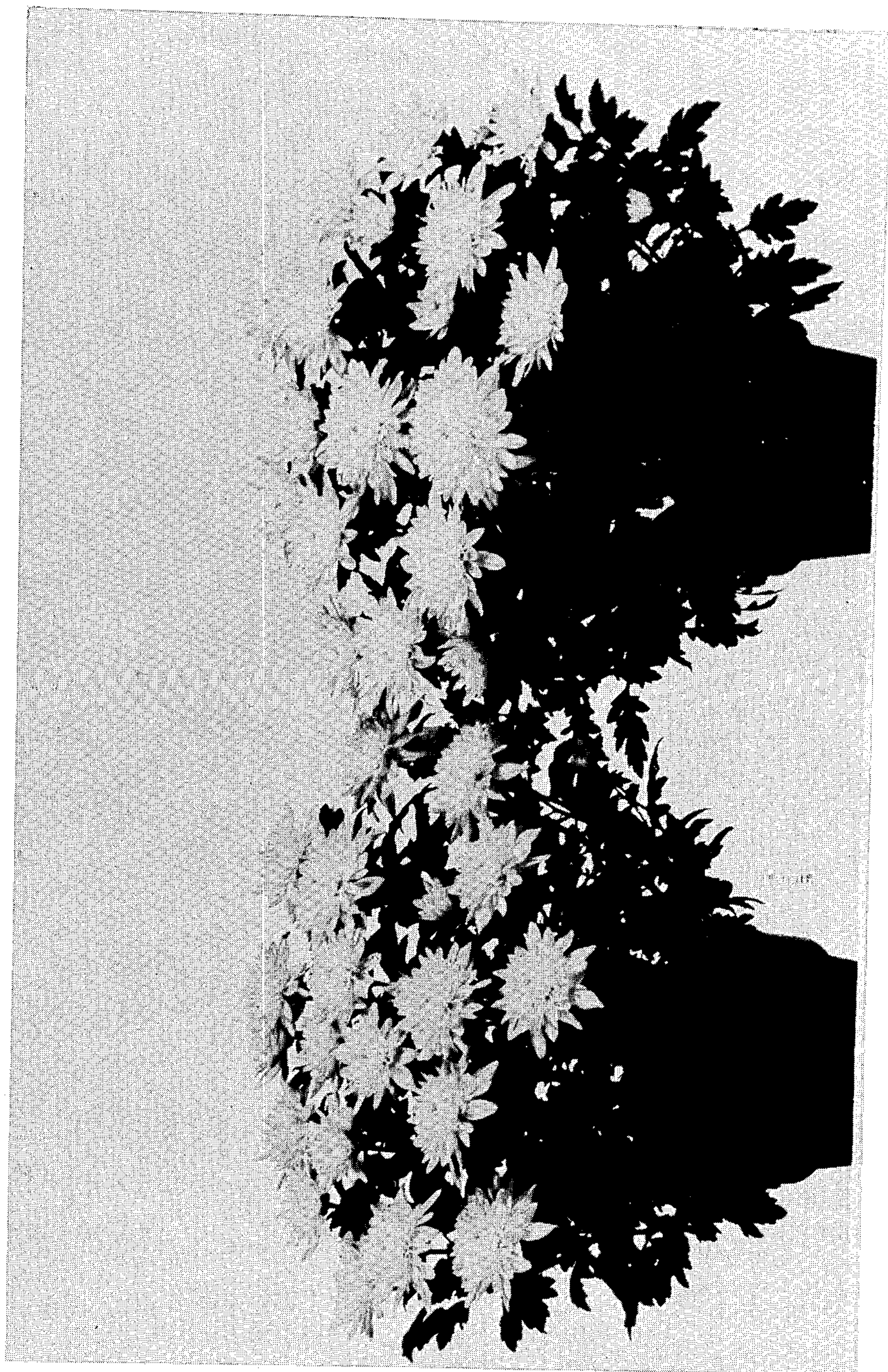
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Plant Pat. 3,424

CHRYSANTHEMUM PLANT

Filed Dec. 10, 1971

2 Sheets-Sheet 2



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3,424

CHRYSANTHEMUM PLANT

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berton, Ohio

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Int. Cl. A01h 5/00

U.S. Cl. Plt.—78

1 Claim

The present invention comprises a new and distinct cul-
tivar of chrysanthemum plant which is a sport of the un-
patented cultivar known in the United States as Puritan.

The new cultivar is similar in many respects to Puri-
tan, having the same characteristics of:

- (1) Decorative flower form.
- (2) Recommended year-round flowering period.

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

- (1) Its yellow color.
- (2) The flower is approximately one-quarter inch
smaller in diameter.
- (3) Approximately one to two inches shorter habit.
- (4) Approximately two to five days later response. The
response difference is greatest during low light periods of
winter, and is least during high light, high temperature pe-
riods because the response of the parent Puritan slows
to a greater extent in high temperatures than Yellow Puri-
tan itself.

- (5) Slightly lighter foliage color.

The new cultivar was selected from a flowering block

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of the parent cultivar at Barberton, Ohio, and when asex-
ually reproduced by cuttings at Barberton, Ohio, has been
found to retain its distinctive characteristics through suc-
cessive propagations.

- 5 The new cultivar when grown in the vicinity of Barber-
ton, Ohio, has a response period of approximately 9-10
weeks, and the following detailed description is based on
observations made of the new cultivar in a greenhouse in
Barberton, Ohio. The response time, blooming period,
10 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 is from January through De-
cember; in coastal California, January through Decem-
15 ber; and Florida, November through mid-May.

- The accompanying drawings shows the unique charac-
teristics of the new cultivar. Sheet 1 comprises a color
comparison photograph, with the new cultivar appearing
on the left and the parent cultivar Puritan on the right.
20 Sheet 2 comprises a black and white comparison photo-
graph, intended to show the somewhat later response and
shorter habit of the new cultivar, with the new cultivar
appearing on the left and the cultivar Puritan on the
right.

- 25 In the description which follows, color references are
made to the Munsell Color Book, 1963 edition, and com-
parisons are made with the cultivar Puritan. Where only
a single value or description appears for the new cultivar,
the same value or description applies as well to the parent
30 cultivar Puritan.

Botanical classification: *Chrysanthemum morifolium*

	Yellow Puritan	Puritan
Bloom:		
Size	3 3/4"	4"
Fully expanded	4 3/4"	5"
Borne	Singly, on disbudded branches	
Stems	Strong	
Form	Decorative	
Permanence	10-12 days	
Color (Munsell):		
Center of flower	Yellow, 6.25 Y8.5/12	Light yellow-green, 1.5 G Y9/4.
Base of petals	Yellow-green, 2.5 G Y8/8	Yellow-green, 2.5 G Y7/10.
Inside of petals	Yellow, 6.25 Y8.5/12 to light yellow, 7.5 Y8.5/8	White, N9.5/.
Reverse of petals	do	Do.
Tonality from a distance	Yellow	White.
Discoloration	Light yellow, 7.5 Y8.5/8	White N9.5/.
Petals:		
Texture	Smooth	
Appearance and form	Closed to tubular at base, deep furrowed keel, tapering to a blunt tip.	
Arrangement	Composite, whorled on a single receptacle	
Persistence	Resist shatter	
Fragrance	Typical chrysanthemum	
Reproductive organs:		
Stamen, anthers	0-5	
Pollen	None to very scant	
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	Semi-upright	
Height	Approximately 10" to 11" when given 9-10 week me- dium treatment as defined for the various seasons in the timetables of Yoder Brothers, Inc., Barberton, Ohio.	Approximately 12" when given 9 week medium treatment as defined for the various seasons in the timetables of Yoder Brothers, Inc., Bar- berton, Ohio.
Spread	Approximately 5 1/2" when given 9-10 week medium treatment as defined for the various seasons in the timetables of Yoder Brothers, Inc., Barberton, Ohio.	Approximately 6" when given 9 week medium treatment as defined for the various seasons in the Yoder timetables.
Foliage:		
Top side	Green, 7.5 G Y3/4	Dark green, 7.5 G Y2/4.
Size	3 1/2" long, 2" wide	3 3/4" long, 2" wide.
Quantity	Numerous	
Shape	Spatulate lobed	
Texture	Coarse	
Ribs and veins	Prominent	
Edge	Moderately indented	
Serration	Coarse	
Underside	Light green, 7.5 G Y5/4	Medium green, 7.5 G Y4/4.
Stipules	Prominent	

We claim:

1. A new and distinct cultivar of chrysanthemum characterized particularly as to its uniqueness when compared to the parent cultivar Puritan by its yellow flower color; approximately one-quarter inch smaller diameter flowers; approximately one to two inches shorter plant habit; its slightly lighter foliage color and its approximately two to

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five days later response, with such response difference being greatest during low light periods of winter, and least during high light, high temperature periods.

No references cited.

ROBERT E. BAGWILL, Primary Examiner