

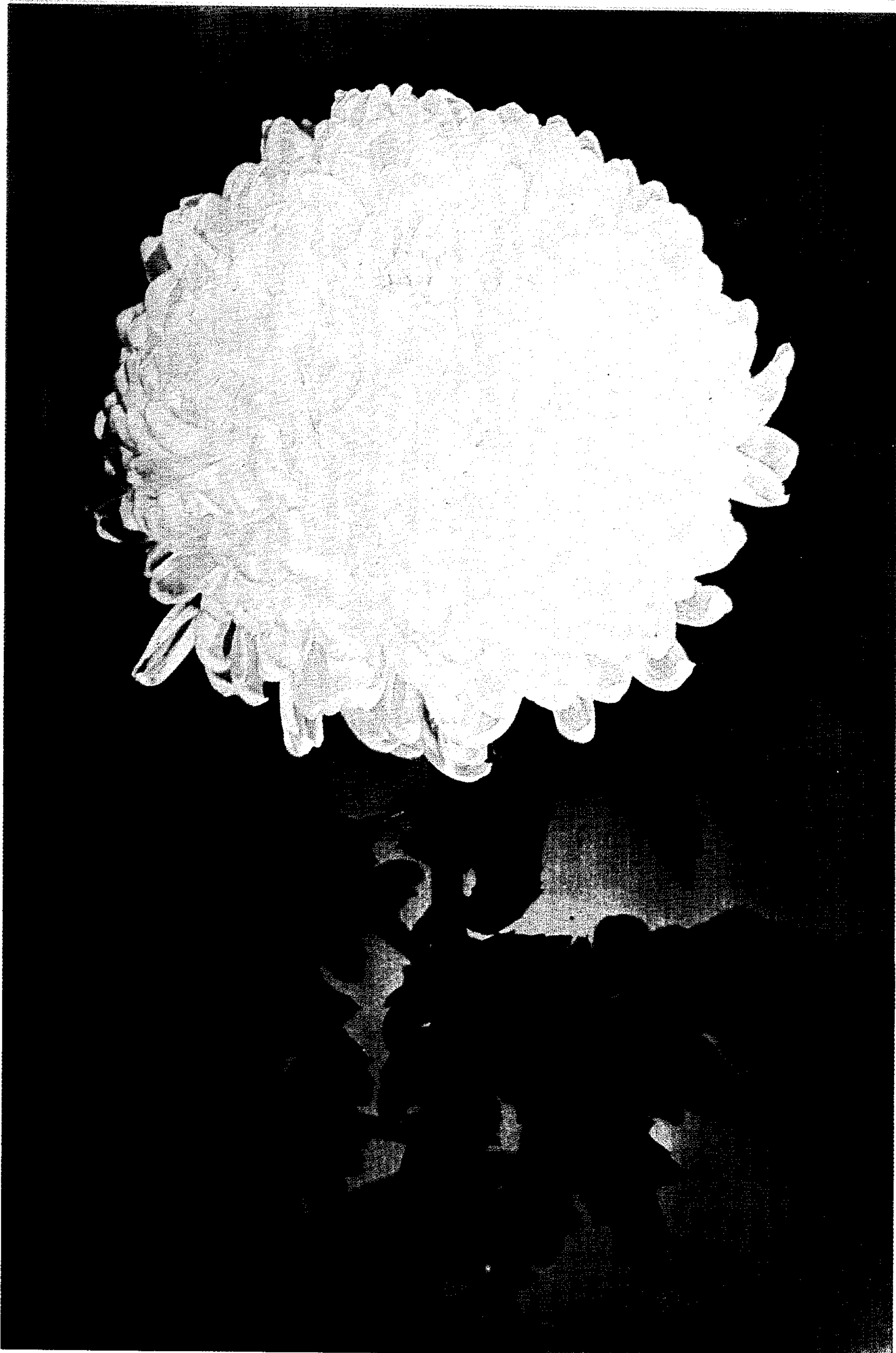
Sept. 3, 1974

W. H. JESSEL, JR., ET AL Plant Pat. 3,605

CHRYSANTHEMUM PLANT

Filed Jan. 29, 1973

3 Sheets-Sheet 1



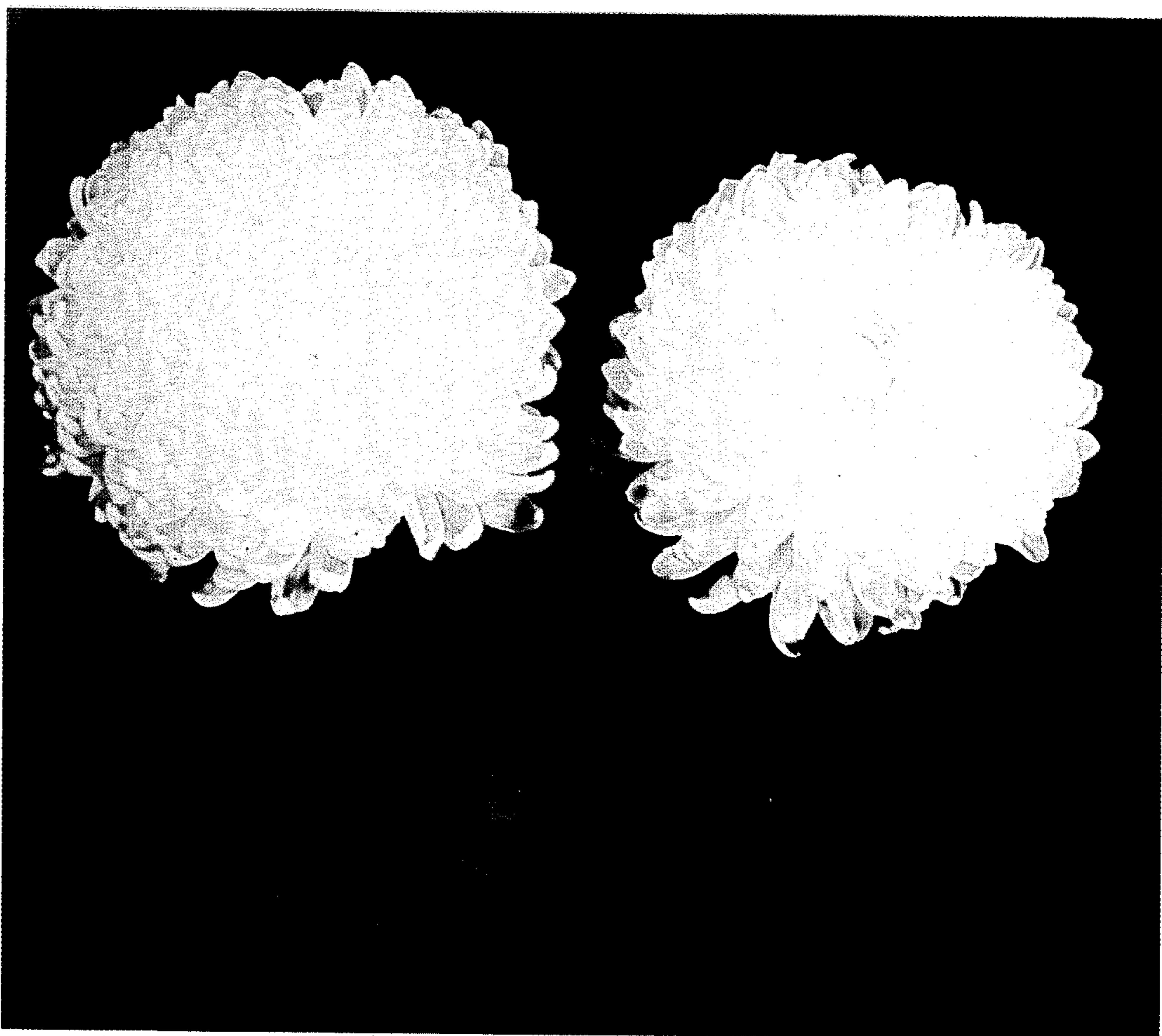
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CHRYSANTHEMUM PLANT

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CHRYSANTHEMUM PLANT

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1 Claim

The present invention comprises a new and distinct 10
cultivar of standard form chrysanthemum plant known
by the varietal name Colonel Comfort. The new cultivar
is a sport of the well known non-patented cultivar known
in the United States as Southern Comfort.

The new cultivar is similar in many respects to South- 15
ern Comfort, having the same characteristics of:

1. Ivory flower color.
2. Sharp and reliable response at temperatures above 70°.
3. Similar foliage shape, color and form.
4. Similar recommended flowering period.

The new cultivar is distinguished from Southern Com-
fort by the following characteristics when grown under
comparable conditions:

1. A flower approximately 1" to 1½" larger in diam- 25
eter.
2. Based on Society of American Florists grading
standards, it grades out with a higher percentage of
flowers in the top two grades.
3. A more incurved flower form.
4. Approximately 2-3 days later response.
5. An improved form retention which provides longer
bench life.
6. Foliage approximately ½" longer in length and ½"
greater in width.

The new cultivar was selected from a flowering block
of the parent cultivar at Barberton, Ohio, 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 Barber-
ton, Ohio, has a response period of approximately 9
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,
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 mid-May
through October, and in the southern United States, from
April through mid-November.

The accompanying photographic drawings show the
unique characteristics of the new cultivar, with the color
being as nearly true as possible with color illustrations
of this type. Sheet 1 of the drawings comprises a photo-
graph of the new cultivar by itself. Sheet 2 comprises a
comparison photograph, with the new cultivar appearing
on the left and the parent cultivar Southern Comfort on
the right. The difference in flower size and form reten-
tion is clearly illustrated. Sheet 3 is also a comparison
photograph, in black and white, of the new cultivar,
which appears on the left, and the parent cultivar South-
ern Comfort, which appears on the right. The difference
in flower size is clearly apparent.

In the following description, color references are made
to the Munsell Color Book, 1963 edition, and compari-
sons are made with the cultivar Southern Comfort.
Where a value or description appears only for the new
cultivar, the same value or description applies to the
parent cultivar Southern Comfort.

Botanical classification: *Chrysanthemum morifolium*

	Colonel Comfort	Southern Comfort		
Bloom:				
Size.....	6½"	5"-5½"		
Grade Data: Averaged Percentages for a Summer's Flowering Performance in 1972 at Barberton, Ohio, (based on Society of American Florists Grade Standards)				
	Blue	Red	Green	Culls
Colonel Comfort.....	56%	32%	12%	
Southern Comfort.....	35%	41%	14%	10%
	Colonel Comfort	Southern Comfort		
Bloom (contd.):				
Fully expanded.....	7"-7½"	6"		
Borne.....	Singly on disbudded plant.....			
Stems.....	Strong.....			
Form.....	Semi-incurve.....	Semi-incurved but to a lesser degree.		
Permanence.....	12-14 days.....	8-12 days.		
Color:				
Center of flower.....	Yellow-green, 1.25GY8/12 to yellow, 10Y8/12.....			
Base of petals.....	Yellow, 10Y8/12.....			
Inside of petals.....	Ivory, 10Y9/2 to ivory, 10Y9/1.....			
Reverse of petals.....	Ivory, 10Y9/1.....			
Tonality from a distance.....	Ivory white.....			
Discoloration.....	Ivory, 10Y9/1.....			
Petals:				
Texture.....	Smooth.....			
Appearance and form.....	Closed at base, flaring quickly to a smooth rounded keel tapering to a notched blunt tip.			
Arrangement.....	Composite, whorled on a single receptacle.....			
Persistence.....	Resist shatter.....			
Fragrance.....	Typical chrysanthemum.....			
Reproductive organs:				
Stamen, anthers.....	None.....			
Pollen.....	do.....			
Arrangement.....	Clustered in center of flower, if present.....			
Styles.....	Present in ray florets.....			
Length.....	Short.....			
Ovaries.....	At the base of petal attached to receptacle.....			
Plant:				
Form.....	Herbaceous.....			
Growth.....	Upright.....			
Height.....	Approximately 49"-58" given 2 long day weeks, and 11 week total crop time as defined in the timetables of Yoder Brothers, Inc., Barberton, Ohio, for the various seasons of the year.	Approximately 46"-54" given 2 long day weeks, and 11 week total crop time as defined in the timetables of Yoder Brothers, Inc., Barberton, Ohio, for the various seasons of the year.		
Spread.....	None grown single stem.....			

TABLE—Continued

	Colonel Comfort	Southern Comfort
Foliage:		
Top side.....	Dark green, 7.5GY2/4.....	
Size.....	Length to width ratio 3/2 with foliage up to 6" long and 4" wide.	Length to width ratio 11/7 with foliage up to 5½" long, and 3½" wide.
Quantity.....	Numerous.....	
Shape.....	Spatulate lobed.....	
Texture.....	Coarse.....	
Ribs and veins.....	Prominent.....	
Edge.....	Indented.....	
Serration.....	Moderate.....	
Under side.....	Medium green, 7.5GY4/4.....	
Stipules.....	Prominent.....	

We claim:

1. A new and distinct cultivar of chrysanthemum characterized particularly as to uniqueness when compared to the parent cultivar Southern Comfort by its flower which is approximately 1"-1½" larger in diameter; by its superior grade performance, grading out with a higher percentage of flowers in the top two grades; approximately 3" to 4" more vigor; a more incurved

15 flower form; approximately 2-3 days later response; improved form retention which provides longer bench life, and by its foliage which is approximately ½" longer in length and ½" greater in width.

No references cited.

20 ROBERT E. BAGWILL, Primary Examiner