

[54] CHRYSANTHEMUM PLANT NAMED CORAL CHARM

[75] Inventor: Cornelis P. VandenBerg, Salinas, Calif.

[73] Assignee: Yoder Brothers, Inc., Barberton, Ohio

[21] Appl. No.: 247,523

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[51] Int. Cl.<sup>4</sup> ..... A01H 5/00

[52] U.S. Cl. .... Plt./80

[58] Field of Search ..... Plt./80

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[57] ABSTRACT

A chrysanthemum plant named Coral Charm particularly characterized by its flat capitulum form; decorative capitulum type; coral-pink ray floret color; diameter across face of capitulum of up to 11 cm at maturity when grown as a pinched disbudded pot mum; uniform eight week photoperiodic flowering response to short days; medium plant height when grown as a pinched pot mum; and spreading branching pattern.

3 Drawing Sheets

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The present invention comprises a new and distinct cultivar of Chrysanthemum, botanically known as *Dendranthema grandiflora*, and referred to by the cultivar name Coral Charm.

Coral Charm, identified as 79I34D04, is a product of a mutation induction program which had the objective of creating new chrysanthemum cultivars that would expand the color range of an existing cultivar while retaining all other traits.

Coral Charm was discovered and selected by Cornelis P. VandenBerg on May 17, 1983 in a controlled environment in Salinas, Calif. as one flowering plant within a flowering block established as rooted cuttings from stock plants which had been exposed as unrooted cuttings to an X-ray source of 2200 rads. The irradiated parent was the cultivar identified as Charm, disclosed in U.S. Plant Pat. No. 5,502.

The first act of asexual reproduction of Coral Charm was accomplished when vegetative cuttings were taken from the initial selection in August of 1983 in a controlled environment in Salinas, Calif., by technicians working under formulations established and supervised by Cornelis P. VandenBerg.

Horticultural examination of controlled flowerings of successive plantings has shown that the unique combination of characteristics as herein disclosed for Coral Charm are firmly fixed and are retained through successive generations of asexual reproduction.

Coral Charm has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity and daylength.

The following observations, measurements and comparisons describe plants grown in Salinas, Calif. and Leamington, Canada, under greenhouse conditions which approximate those generally used in commercial greenhouse practice.

The following traits have been repeatedly observed and are determined to be basic characteristics of Coral Charm, which, in combination, distinguish this chrysanthemum as a new and distinct cultivar:

1. Flat capitulum form.
2. Decorative capitulum type.
3. Coral-pink ray floret color.

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4. Diameter across face of capitulum up to 11 cm at maturity, when grown as a pinched disbudded pot mum.

5. Uniform eight week photoperiodic flowering response to short days.

6. Medium plant height requiring 0 to 7 long days after pinch prior to short days and 1 application of 2500 ppm B-9 SP to attain a flowered plant height of 25 to 35 cm for year-round flowerings when grown as a pinched pot mum.

7. Spreading branching pattern.

The accompanying photographic drawings show typical inflorescence and leaf characteristics of Coral Charm, with the colors being as nearly true as possible with illustrations of this type. Sheet 1 is a color photograph of Coral Charm grown as a pinched disbudded pot mum. Sheet 2 is a black and white photograph of three views of the inflorescence of Coral Charm. Sheet 3 is a black and white photograph showing the upper and under sides of the leaves of Coral Charm at three stages of development (mature, intermediate and immature).

Of the commercial cultivars known to the inventor, the most similar in comparison to Coral Charm is the parent cultivar Charm. All traits of Coral charm are similar to those of Charm, except the color of the ray florets. The color of the ray florets of Coral Charm is coral-pink, as contrasted with the light lavender pink ray florets of Charm.

In the following description color references are made to The Royal Horticultural Society Colour Chart. The color values were determined on plant material grown as a pinched disbudded pot mum in Salinas, Calif. on July 14, 1988.

CLASSIFICATION

Botanical: *Dendranthema grandiflora*, cv Coral Charm. Commercial: Decorative disbudded pot mum.

INFLORESCENCE

- A. Capitulum:
  - Form.—Flat.
  - Type.—Decorative.
  - Diameter across face.—Up to 11 cm at maturity.
- B. Corolla of ray florets:

*Color (general tonality from a distance of three meters).*—Coral-pink.

*Color (upper surface).*—50D, overcast and streaked with 186D.

*Color (under surface).*—Closest to 36C.

*Shape.*—Flat, oblong.

C. Corolla of disc florets:

*Color (mature).*—Closest to 154B.

*Color (immature).*—Closest to 149B.

D. Reproductive organs:

*Androecium.*—Present on disc florets only, very few; scant pollen.

*Gynoecium.*—Present on both ray and disc florets.

PLANTS

A. General appearance:

*Height.*—Medium; 25 to 35 cm as a pinched disbudded pot mum with 0 to 7 long days after pinch prior to short days and 1 application of 2500 ppm B-9 SP.

*Branching pattern.*—Spreading.

B. Foliage:

*Color (upper surface).*—147A.

*Color (under surface).*—147B.

*Shape.*—Lobed and serrated.

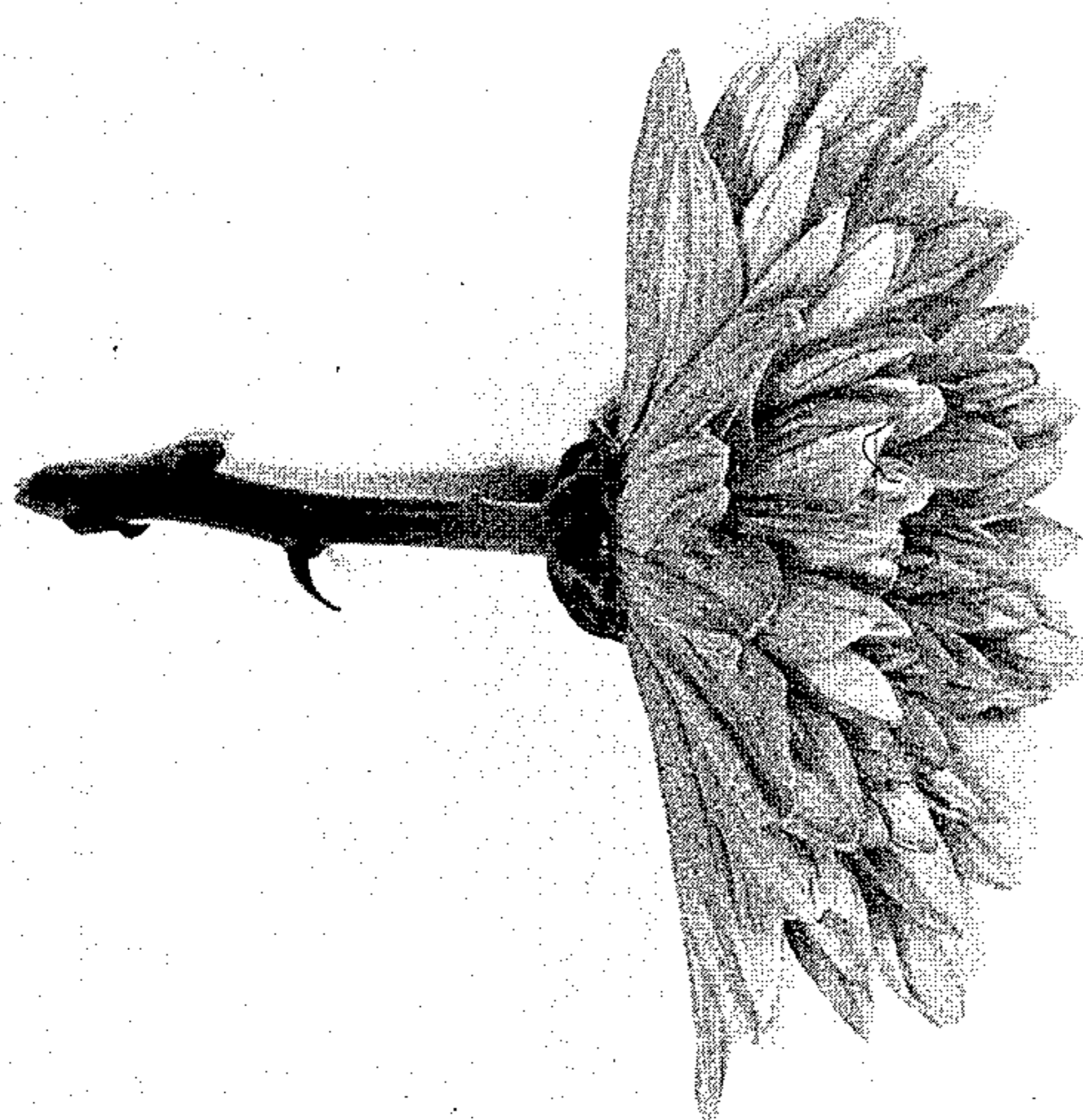
I claim:

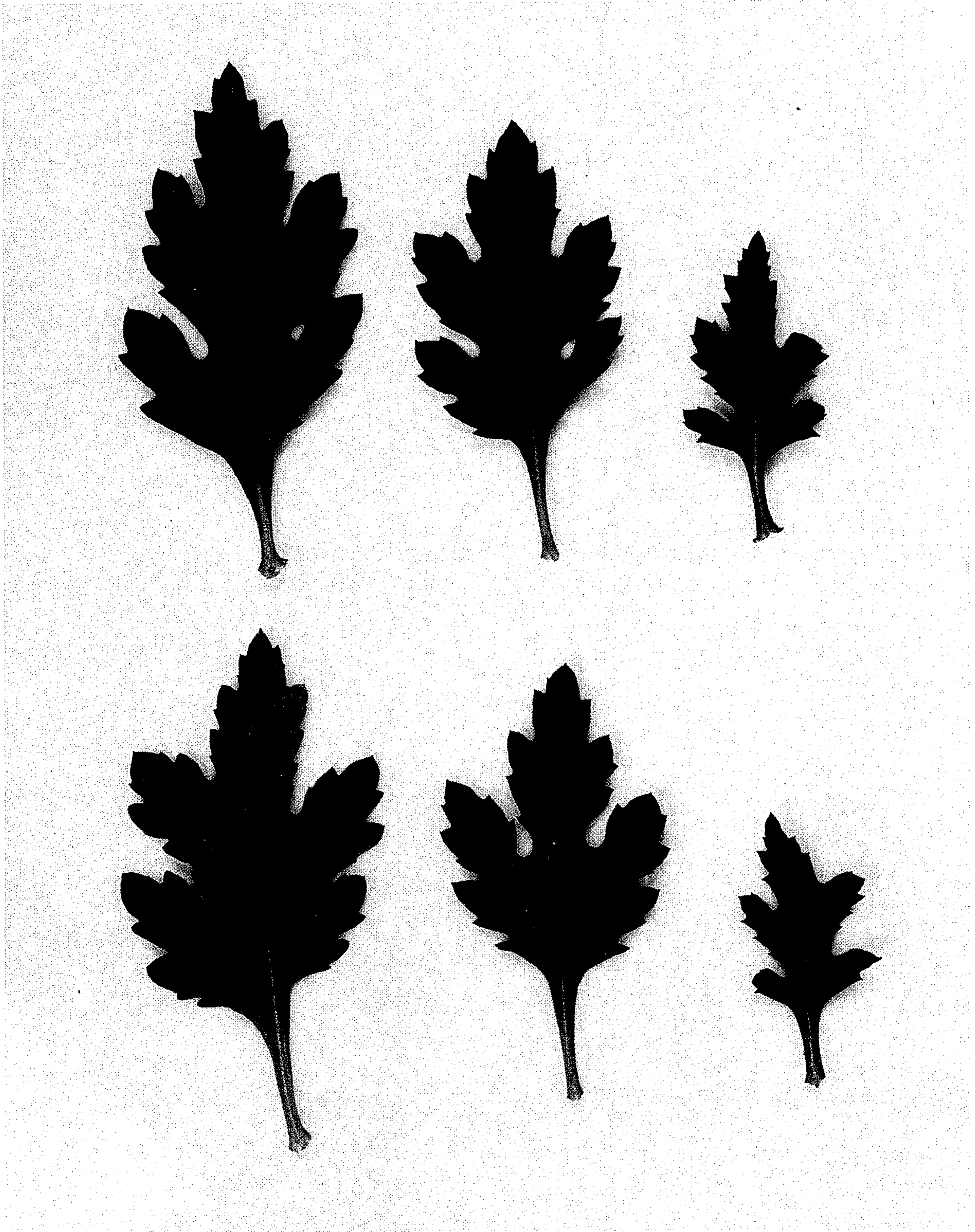
1. A new and distinct chrysanthemum plant named Coral Charm, as described and illustrated.

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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : Plant 07,000

DATED : August 22, 1989

INVENTOR(S) : Cornelis P. Vandenberg

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

Column 2, line 25, "Coral charm" should be changed to --Coral Charm--.

Column 2, line 34, "July" should be changed to --June--.

**Signed and Sealed this  
Fourteenth Day of May, 1991**

*Attest:*

*Attesting Officer*

HARRY F. MANBECK, JR.

*Commissioner of Patents and Trademarks*