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United States Patent [19]
Machin

[11] **Patent Number:** **Plant 9,304**
[45] **Date of Patent:** **Sep. 26, 1995**

[54] **CHRYSANTHEMUM PLANT NAMED
‘BRONZE MAJESTY’**
[75] Inventor: **Barrie J. Machin**, Hants, England
[73] Assignee: **Goldstock Breeding Limited**, Hants,
England
[21] Appl. No.: **254,266**
[22] Filed: **Jun. 3, 1994**
[51] **Int. Cl.⁶** **A01H 5/00**
[52] **U.S. Cl.** **Plt./82.3**
[58] **Field of Search** **Plt./82.3, 74.1**

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[57] **ABSTRACT**

A new Chrysanthemum cultivar named Bronze Majesty
characterized by the combined features of flat capitulum
form, daisy capitulum type, bronze floret color, capitulum
diameter of 66–76 mm, a response period of 59–63 days
when grown with 14 long days prior to start of short days,
a plant height of 90–100 cm, and an inverted pyramid flower
formation.

3 Drawing Sheets

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The present invention comprises a new and distinct cul-
tivar of Chrysanthemum, botanically known as *Dendran-*
thema grandiflora, and referred to by the cultivar named
Bronze Majesty.

Bronze Majesty is a mutation of Majesty which originated
from a cross made by the inventor Barrie J. Machin in a
controlled breeding program in Fareham, England in 1986.
The parent cultivar is disclosed in application Ser. No.
08/139,009, now U.S. Plant Pat. No. 8,944.

Bronze Majesty is a product of a mutation induction
program carried out by the inventor in Fareham, England.
The program had the objective of creating new cultivars that
would expand the ray floret color range of Majesty, which
has very light pink ray floret color.

Bronze Majesty was discovered and selected by Barrie J.
Machin in April 1988 in Wareham, England as one flowering
plant within a flowering block established as rooted cuttings
from plants of Majesty that had been exposed as unrooted
cuttings to an X-ray source of 1500 rads.

The first act of asexual reproduction of Bronze Majesty
was accomplished when vegetative cuttings were taken from
the initial selection in June 1988 in a controlled environment
in Fareham, England by Barrie J. Machin.

Horticultural examinations of controlled flowerings of
successive plantings has shown that the unique combination
of characteristics as herein disclosed from Bronze Majesty
are firmly fixed and are retained through successive genera-
tions of asexual reproduction.

Bronze Majesty has not been observed under all possible
environmental conditions. The phenotype may vary some-
what with variations in environment such as temperature,

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light intensity and day length, without, however, any vari-
ance in genotype.

The following observations, measurements and compari-
sons describe plants of Bronze Majesty grown in Fareham,
England 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 Bronze Majesty
which in combination distinguish this Chrysanthemum as a
new and distinct cultivar.

1. Flat capitulum form.
2. Daisy capitulum type.
3. Bronze ray floret color.
4. Diameter across face of capitulum of 66–76 mm when
fully open.
5. Flowering response under normal temperatures is 59 to
63 days after start of short days.
6. Peduncle length of the first lateral at flowering after
removal of the apical bud and without growth regulator
applications is 9.0 cm, and the peduncle length of the fourth
lateral at flowering is 12.0 cm.
7. Plant height of 90–100 cm.

The accompanying photographic drawings show typical
inflorescence and leaf characteristics of Bronze Majesty,
with the colors being as nearly true as possible with illus-
trations of this type.

The color photograph on sheet 1 illustrates flower and
foliage colors of Bronze Majesty grown as a cut spray mum.

The black and white photo on sheet 2 illustrates three
views of the inflorescence of Bronze Majesty.

The black and white photo on sheet 3 shows the upper and
under surfaces of the leaves of Bronze Majesty at three
stages of development.

Of the commercial cultivars known to the inventor the most similar in comparison to Bronze Majesty is the unpatented cultivar identified as Bronze Marble. Reference is made to attached chart A which compares certain characteristics of Bronze Majesty with the same characteristics of Bronze Marble. Similar traits are capitulum form and type, response and spray formation. The bronze ray floret color of Bronze Majesty is substantially darker than Bronze Marble, and Bronze Majesty has a slightly smaller capitulum diameter, is slightly shorter and has shorter peduncles.

In comparison to the parent cultivar Majesty, the ray floret color of Bronze Majesty is completely different, Bronze Majesty has a slightly smaller capitulum diameter, and the plant height of Bronze Majesty is slightly shorter. All other characteristics are the same or comparable.

In the following description, color references are made to The Royal Horticultural Society Color Chart. The color values were determined on plant material of Bronze Majesty grown as a single spray cut mum in Fareham, England.

Classification:

Botanical.—*Dendranthema grandiflora* cv Bronze Majesty.

Commercial.—Daisy spray cut mum.

Inflorescence

A. Capitulum

Form.—Flat.

Type.—Daisy.

Diameter across face.—66–76 mm.

B. Corolla of ray florets:

Color (general).—Bronze.

Color (upper surface).—24A.

Color (under surface).—23B.

Shape.—Broad, pointed and slightly curved.

C. Corolla of disc florets:

Color (mature).—13A.

Color (immature).—143C.

Quantity.—Approximately 200 per flower.

D. Reproductive organs:

Androecium.—Present only on disc florets; small quantity of pollen.

Gynoecium.—Present in disc and ray florets.

Plant

A. General appearance:

Height.—90–100 cm.

Branching pattern.—Regular branching habit, typically one branch developing per leaf axil.

B. Foliage:

Color (upper surface).—147A.

Color (under surface).—147B.

Shape.—Pinnately lobed with deep marginal indentations; see photograph on sheet 3.

CHART A

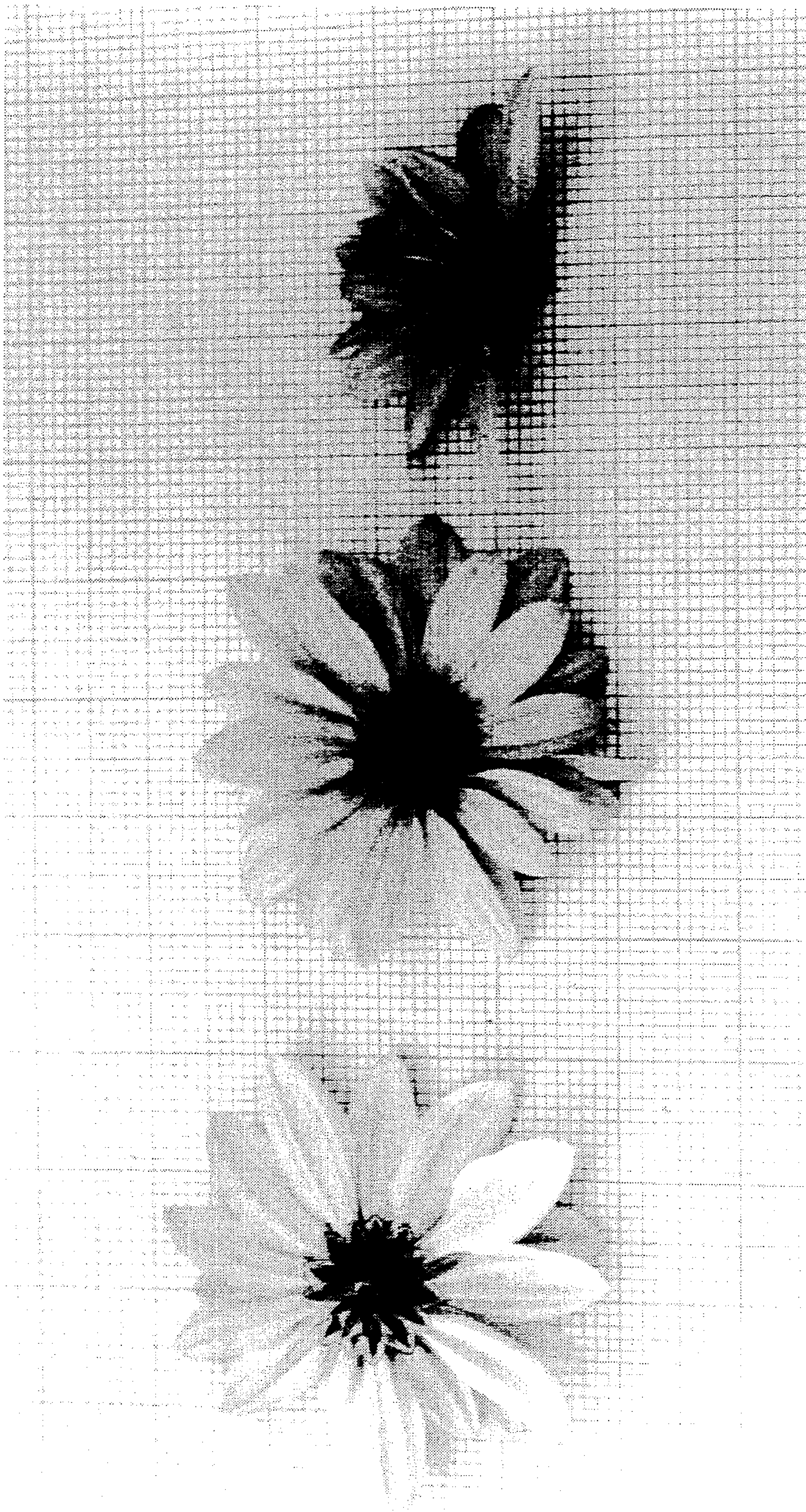
CHARACTERISTICS	BRONZE MAJESTY	BRONZE MAJESTY
Ray floret color	Bronze	Light Bronze
Capitulum form and type	flat daisy	flat/daisy
Diameter across face of capitulum	66–76 mm	70–80 mm
Plant height	90–100 cm	95–105 cm
Peduncle length		
1st lateral	9 cm	11 cm
4th lateral	12 cm	14 cm
Spray formation	Inverted pyramid	Inverted pyramid

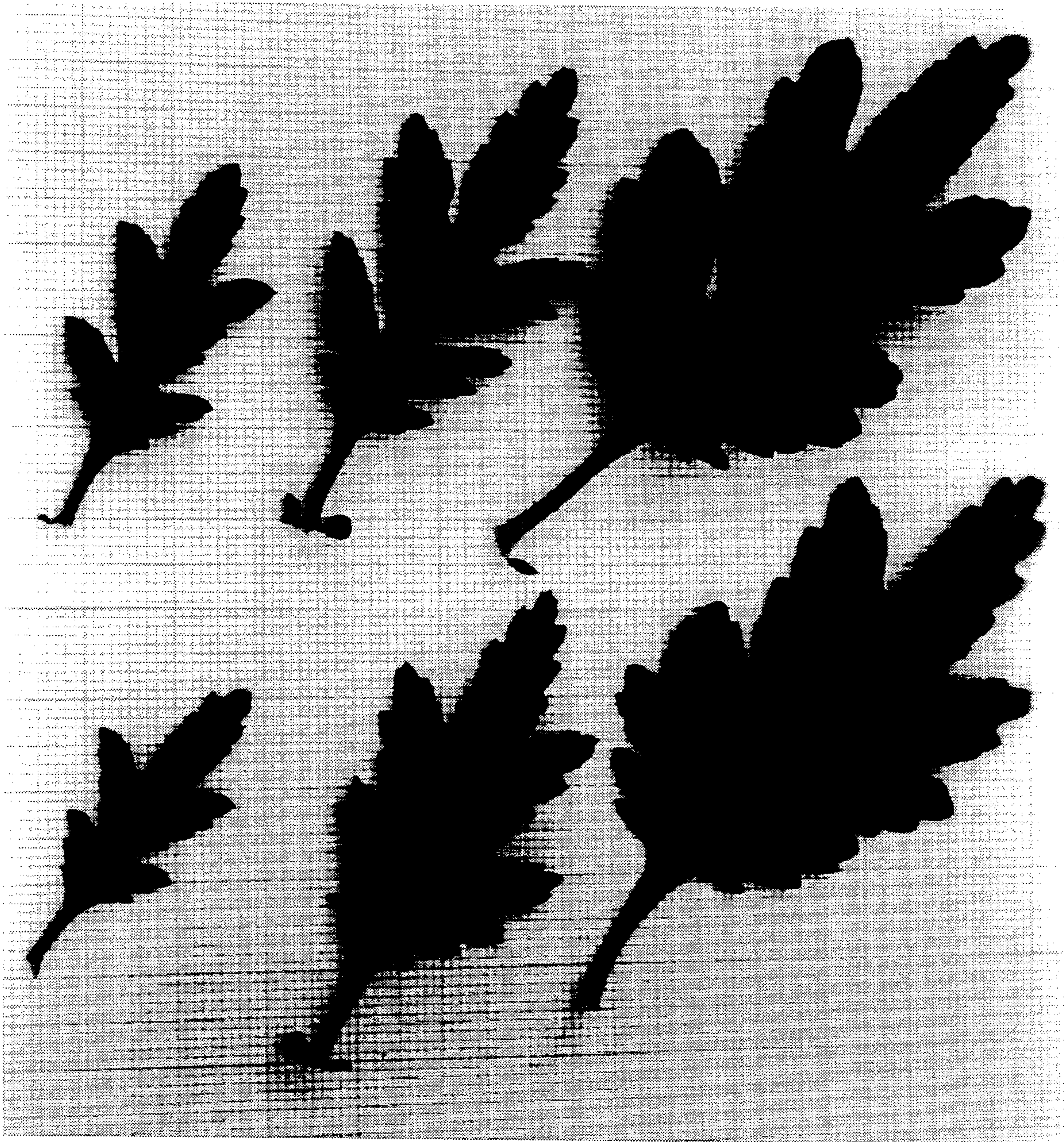
It is claimed:

1. A new and distinct Chrysanthemum plant named Bronze Majesty, as described and illustrated.

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Plant 9,304
DATED : September 26, 1995
INVENTOR(S) : MACHIN

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 10, "8,944" should read --8,994--;

line 17, "Wareham" should read --Fareham--.

Signed and Sealed this
Twentieth Day of February, 1996

Attest:



BRUCE LEHMAN

Attesting Officer

Commissioner of Patents and Trademarks