



US00PP13745P29

(12) **United States Plant Patent**
Zwetzig et al.

(10) **Patent No.:** **US PP13,745 P2**

(45) **Date of Patent:** **Apr. 29, 2003**

(54) **HIBISCUS PLANT NAMED 'AQUARIAN'**

(58) **Field of Search** Plt./257

(76) Inventors: **Gretchen Angela Zwetzig**, 8101 S.
14th St., Lincoln, NE (US) 68512;
David Whitman Fleming, deceased,
late of Lincoln, NE (US), by Gretchen
Zwetzig, legal representative

Primary Examiner—Bruce R. Campell
Assistant Examiner—W C Haas

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(57) **ABSTRACT**

A new and distinct cultivar of winter hardy hibiscus plant
named 'Aquarian' is the result of a unique hybridization.
This new and distinct cultivar is characterized primarily as
to novelty by, its extreme cold hardiness to Zone 4, large,
thick-textured, lavender-pink flowers and its "Spoon-
shaped" leaves with a purple cast, compactness of about 3
feet, its vigorous and uniform growth habit, and its florif-
erous nature from mid-summer until frost.

(21) Appl. No.: **10/207,253**

(22) Filed: **Jul. 30, 2002**

(51) **Int. Cl.**⁷ **A01H 5/00**

(52) **U.S. Cl.** **Plt./257**

1 Drawing Sheet

1

2

BOTANICAL CLASSIFICATION

Hibiscus moscheutos × *H. coccineus*.

BACKGROUND OF THE NEW PLANT

The new plant of this invention is the result of a unique
hybridization, with the breeding achievement being evi-
denced in the outstanding combination of characteristics
exhibited by this new and distinct Hibiscus plant, which
include:

- (a) Refined, "spoon-shaped" leaves which are "Maple-like"
with a rounded, rather than an acute middle lobe green
with a purple cast, and relatively smooth margins which
combined compliments the landscape;
- (b) Large flowers that are outstanding for their lavender pink
overlapping petals with reddish purple centers and over-
lapping nature;
- (c) The plant being very floriferous with flowers that stay
open at least one full day;
- (d) The plant being small but vigorous with stouter stems,
compact and uniform breaking action which gives it
unique landscape utility; and
- (e) The plant being so hardy that it can consistently with-
stand winter temperatures of at least -30 degrees Fahr-
enheit.

SUMMARY OF THE INVENTION

'Aquarian' was the result of a 40-year breeding program.
Its ancestry includes *Hibiscus moscheutos* and *Hibiscus*
coccineus. More specifically, the plant resulted from mul-
tiple crossings with 'Pink Perfection', a Fleming *Hibiscus*
moscheutos (nonpatented) and an unnamed Fleming *Hibis-*
cus coccineus (nonpatented). The seedling which most
nearly met all of the above named standards was selected.

This new plant first bloomed in the summer of 1990 and
was selected by David Fleming and Gretchen Zwetzig on
David Fleming's property in Lincoln, Nebr. Asexual propa-
gation of the plant by cuttings and root division has shown
that the unique and distinguishing features of the plant are
faithfully transmitted from generation to generation and
appear to be fixed.

Since its origin, the plant has bloomed from midsummer
until frost, while exhibiting the aforementioned distinctive
characteristics. This Hardy Hibiscus plant greatly contrib-
utes to the market with its , sheer beauty and utter
refinement, its compact growth habit, its enhanced resistance
to disease and insects, its stability through extremes in rain
and drought, and its extreme hardiness.

BRIEF DESCRIPTION OF THE DRAWINGS

The flower and foliage of the cultivar are shown in the
attached photograph. More specifically, the photograph is a
close-up of the flower and the leaf.

The colors are as true as is reasonably possible to attain
in photographic illustrations of this type. The colors illus-
trated may be slightly off due to light reflectance.

DESCRIPTION OF THE NEW PLANT

What follows is a detailed description of the new cultivar.
The specific color descriptions are in accordance with The
R.H.S. Colour Chart, while general color recitations are
consistent with ordinary American color terminology.

'Aquarian' has not been observed under all possible
environment conditions. It is to be understood that the
phenotype may vary significantly with variations in envi-
ronment such as temperature, light intensity, and day length,
without, however any difference in genotype of the plant.
The following botanical characteristics and observations are
gathered from the plant when grown in Lincoln, Nebr.
(USDA Zone 4).

THE PLANT

- Parentage:
 - Seed parent*.—*Hibiscus moscheutos*, 'Pink Perfection',
an unpatented Fleming seedling.
 - Pollen parent*.—*Hibiscus coccineus*, Unnamed and
unpatented Fleming seedling.
- Origin: A selected seedling from stated cross.
- Type of plant: Hardy, herbaceous perennial.
- Classification: Variety of Hardy Hibiscus plant.

Propagation: Relatively easy to propagate; holds its distinguishing characteristics through successive cuttings and division.

Size: About 3–3½ feet tall and about 3 ft. wide.

Form: Symmetrical annual growth from perennial roots.

Habit: Upright and uniformly branched.

Growth: Vigorous; medium and compact. Full grown (3½ ft.) in 2 years.

Hardiness: Hardy to at least –30 degrees Fahrenheit.

General health: Plant is very disease resistant against rot, aphids, spider mites, scale, white fly, etc.; sturdy through excessive drought, rain, or wind.

Propagation: Relatively easy and fast rooting in approximately 2 weeks.

Foliage:

1. *Arrangement*.—Alternate.

2. *Shape*.—Juvenile: Variable, “Spoon-shaped”: 3-lobed, “Maple like” leaves with rounded middle lobe. Rounded base shape. Mature: Refined, “Spoon-shaped”, 3–5 lobed leaf with rounded middle lobe and acute outer lobe apices, entire to extremely mildly serrate margins and acute apices; rounded base.

3. *Size*.—Mature leaf (petiole base to apex): Length is about 6 inches or 14 cm, width is about 5 inches or 12½ cm.

4. *Color*.—Young leaves (upper side): 137-A, (purple cast) N 187-A. Mature leaves: (upper side): 137-A, (purple cast) N 187-A. Veins: 61-A. Coloration of the lower leaf surface: Closest to 191-A.

5. *Surface texture*.—Low sheen.

6. *Petiole length*.—About 2¾ inches or 6.5 cm.

7. *Petiole color*.—Slightly lighter than 182-A and 191-A.

Stems: The stems are stout at the base, becoming more slender toward the apices; coloration is consistent with the petiole.

THE FLOWER

Blooming period: Profuse from July until frost.

Flower diameter: Large; about 11½ inches (29¼ cm).

Borne: Singly in leaf axils, from midpoint of stems upward.

Bloom duration: Individual bloom lasts at least one full day, sometimes 2.

Form: Campanulate; petals are also very overlapping.

Bud:

1. *Length*.—About 3 inches (or 7½ cm) on day before opening.

2. *Color*.—61-A.

3. *Surface texture*.—Semi-glabrous.

4. *Duration*.—One to two weeks.

Corolla: Having 5 petals.

1. *Petal character and dimensions*.—Campanulate and very overlapping. Length is about 5¾ inches or 14 cm. Width is about 6½ inches or 16½ cm.

2. *Coloration*.—Lavender-pink flowers with dark reddish-purple centers. (a) Lavender-pink petals: Closest to 77-D. Coloration of lower petal surface: 84-C. (b) Veination in petals: 63-A. (c) Eye Zone: 53-A.

3. *Texture*.—Smooth.

4. *Substance*.—Thick.

5. *Shape*.—Campanulate and very overlapping.

Reproductive organs:

1. *Staminal column*.—Stamen along basal two-thirds. Stamen length: About 1¾ inches (or 4.8 cm). Stamen color: 67-A, and 67-B. Pollen color: 8-B.

2. *Style*.—Terminates upper one-third of staminal column. Stigmatic lobe color: 62-B.

Calyx: Connate at the base; about 4½ inches (or 10.7 cm) in length. Color: Medium green.

Stipules: None.

Epicalyx: Whorl of bracts.

1. *Shape*.—10 to 12 slender, sword-shaped bractlets.

2. *Length*.—About 1½ inches (or 3.5 cm).

3. *Color*.—L-5, pg 67, PLATE 22.

Peduncle:

1. *Length*.—About 2½ inches (or 6.5 cm).

2. *Strength*.—Stiff and sturdy.

3. *Color*.—182-A and 191-A.

GENERAL OBSERVATIONS

This plant, as a hybridized Hardy Hibiscus, is valuable to the landscape market for its improvements in thicker textured uniquely colored lavender-pink flowers, refined, “Spoon-shaped” green with a purple cast foliage on a much more compact plant, its all-around vigor, good breaking action, and adaptation to extreme environments, including the ability to consistently survive winter temperatures of at least –30 degrees Fahrenheit.

It is claimed:

1. A new and distinct cultivar of Hardy Hibiscus plant, as herein shown and described.

* * * * *

