

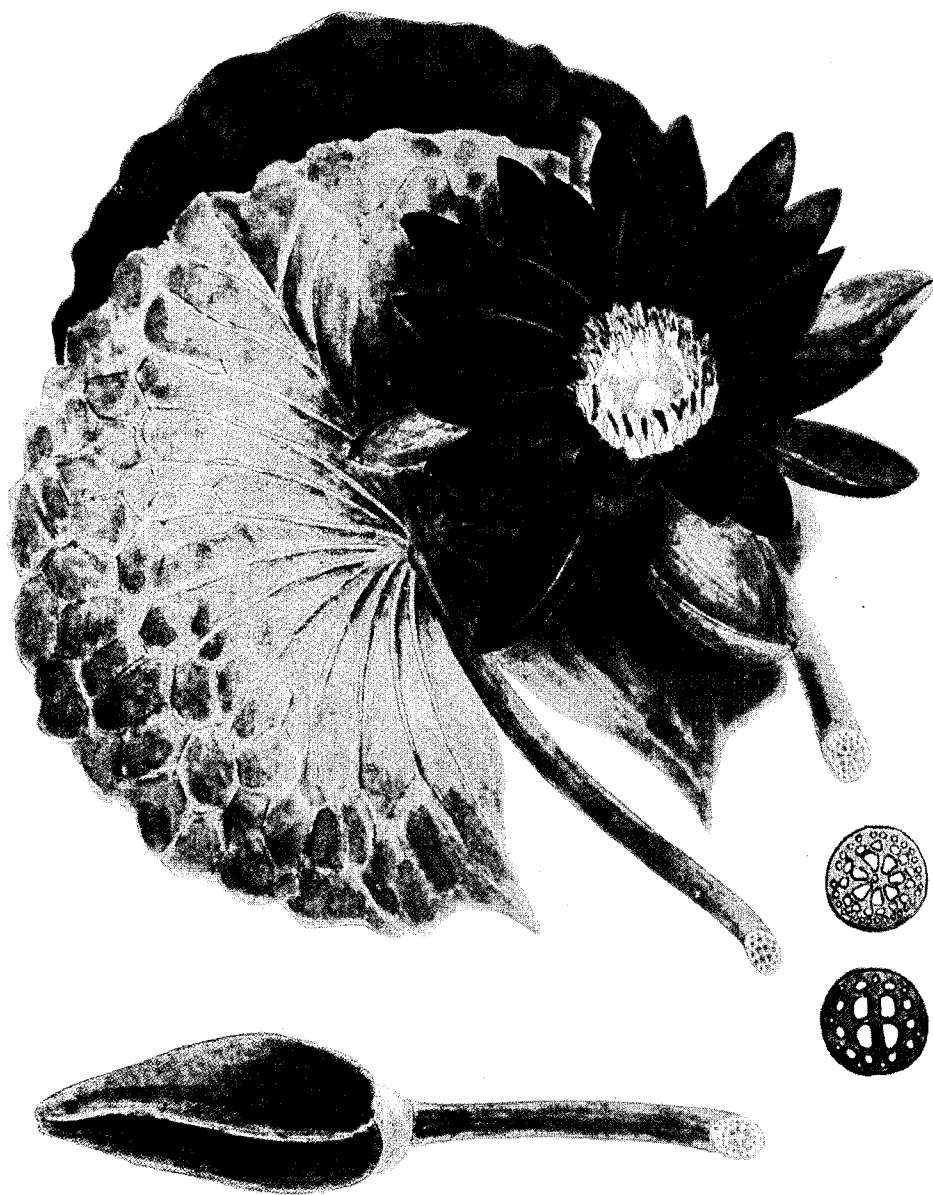
Oct. 11, 1938.

M. E. RANDIG

Plant Pat. 294

WATER LILY

Filed July 14, 1937



Witness:
Adison L. Cherry

Inventor
Martin E. Randig
by *Hummer, Hummer & Woodworth,*
his Attys.

UNITED STATES PATENT OFFICE

294

WATER LILY

Martin E. Randig, San Bernardino, Calif.

Application July 14, 1937, Serial No. 153,605

1 Claim. (Cl. 47-60)

The new hybrid variety of Tropical Day-bloom-
ing Nymphaea herein described was developed
during a definitely planned and extensive breed-
ing period from a parentage as follows:

5 N. Panama Pacific }
N. Dauben } N. Lilac Queen }
N. Royal Zanzibar } N. Indigo Zanzibar } the im-
N. Amethyst } proved }
lily.

The improved blossoms herein illustrated were
0 first produced in 1931 and have since been asexu-
ally reproduced by bulbs. They were first made
known to the public in my February catalog of
1936.

5 The purposes in breeding this lily were to ob-
tain a distinctive show flower and imperial pur-
ple petaled propagating lily; one that would have
large blossoms; long-bloom period, be more hardy
and have beautiful distinctive dark green leaves.
This lily, which is also viviparous, is an improve-
0 ment on the Panama Pacific which is a purple of
the Viviparous Group. In the San Bernardino
vicinity of California this lily blooms from 4 to 6
weeks earlier than the Panama Pacific. It has
larger and more brilliantly colored blossoms
5 which open at six in the morning and close at
eight in the evening. The center of the blos-
som is a rich golden yellow instead of the aver-
age light yellow coloring.

0 The older leaves of this lily have an intense,
polo green top color and are a distinctive maroon
on the under side. The younger leaves have a
satiny, olive green coloring fusing into polo green
and the submerged leaves are a glistening olive
5 green. The leaf and flower stems are a glisten-
ing cedarbark.

The accompanying illustrations show the ap-
proximately true natural colors of the lily but it
must be understood that its chief characteris-
tic, which makes it stand out among other blue
lilies, is the brilliant imperial purple shading into
damson blue coloring of the blossom with the
golden yellow center.

5 In the picture the principal view shows an open
blossom and the underside of a leaf. Back of this
may be seen the upper side of another leaf. Be-
low in the drawing is shown a picture of a bud
and to the right in the drawing are sections of a
peduncle and a petiole.

0 The following is a detailed description of this
new variety of day-blooming lily:

Leaves

Submerged leaves of seedlings:

Shape.—Triangular.

Color.—Upper side—Olive Green, 15-L-4. Un-
der side—Maroon 7-L-7.

3/4 inch from petiole to sinus.

Main floating leaves:

Shape.—Round with serrated edges.

Submerged floating leaves turn up slightly at
edges.

Color.—Polo Green, Upper side. Under side—
Maroon.

Primary floating leaves 1 inch from petiole to
sinus.

Mature leaves:

Shape.—Orbicular—marmorated.

Size.—14 to 18 inches in diameter in peak of
season.

Color.—Upper side—Polo Green. Under side—
Maroon.

Leaf stem:

Color.—Cedarbark 6-I-10.

Length.—6 to 8 feet.

Flowers

Color.—Imperial Purple 45-G-10 shading to
Damson 45-J-11.

Size.—6 to 9 inches in diameter.

Open.—4 to 5 days.

Fragrant.—Very.

Number opening at one time.—Usually two.

Stand 6 to 9 inches out of water.

Buds

Shape.—Ovate.

Color.—Olive Green, 15-L-4.

Scape

Color.—Cedarbark, 6-I-10.

Height above water.—6 to 8 inches.

Deeply ridged longitudinally to base of ovary.

Sepals

Number.—4.

Color.—Olive Green on outer side. Burgundy
Violet, 42-J-8 on inner side shading into

Cobalt Violet, 42-J-7.

Length.—5 1/2 inches.

Width.—1 3/4 inches.

Shape.—Ovate-triangular.

Texture.—Thick and fleshy.

Petals

Number.—28 to 38. In 4 whorls.

Shape.—Lanceolate with rounded tips.

Length.—4 inches.

5 *Width.*—1 inch.

Color.—Outer surface—Imperial Purple. Inner surface—Imperial Purple.

Inner whorls are staggered to outer whorls.

Stamens

10

Number.—175 to 180.

Outermost whorl 2½ inches long, with appendages ovate-oblong at base; linear above;

Stigma

Color.—Golden Yellow.

They are filled with liquid first day, dry all following days.

Receptive.—First day.

Fruit

Shape.—Globose.

Size.—2 inches in diameter.

Seeds.—Few.

Fertile.—Slightly.

The colors of this improved lily when compared with Maerz & Paul's Color Chart are as follows:

15		Section of plant	Color	Plate	Letter	Number
	Blossoms.....	Main body petal color.....	Imperial Purple.....	45	G	10
			shading into blue as.....	45	F	10
		Shading to darker edges.....	Damson.....	45	J	11
20	Sepals.....	Inside sepals.....	Cobalt Violet.....	42	J	7
		Darker section inside sepals.....	Burgundy Violet.....	42	J	8
			shading into.....	42	J	9
		Edge of color on back of sepals.....		43	L	7
25		Body of back of sepals.....	Olive Green.....	15	L	4
	Stamens.....	Inside tip of stamens.....		43	E	10
		Base of stamens (yellow).....	Ta-Ming.....	10	L	8
		Back of tips of stamens.....	Damson.....	45	J	11
30	Carpels.....	(Carpels (lightest shade).....	Golden Yellow.....	10	L	7
		(Carpels (darkest shade).....	Sunburst.....	10	K	9
	Leaf.....	Main leaf body color.....	Polo Green.....	23	J	9
		Sections on edge in spots.....	Laurel Green.....	22	L	1
		Under area near base of stem and ribs or veins.....	Burnt+Yellowstone.....	12	K	6
35		Underside of leaf:				
		First or inner section.....	Cacao Brown.....	5	B	11
	Bud.....	Second section.....	Cedarbark.....	6	I	10
		Third or outer section.....	Maroon.....	7	L	7
40		(Tip or lightest shade of bud.....	Palmleaf.....	14	L	1
	Bud.....	Body of bud.....	Olive Green.....	15	L	4
		Darkest section of bud at base.....	Argus Brown.....	7	A	12
		Ring at base of bud.....	Deep Stone.....	13	L	7
45	Stems.....	Leaf stem.....	(Cedarbark.....	6	I	10
			Maroon.....	7	L	7
		Bud and flower stem.....	Argus Brown.....	7	A	12
		Cross section of stems.....	Sponge.....	14	C	5

Blue 43-E-10 at apex, base Golden Yellow, 10-L-7. Back of stamens Damson, front Golden Yellow divided by a Damson line down the center of each stamen.

Inner whorls shorter and narrower.

They stand erect around the stigma first day, closing over the stigma second and third days, turning out and exposing stigma fourth and fifth days.

Carpels

Number.—23.

Color.—Golden Yellow.

Length.—¾ to ½ inch.

They curve in sharply at points, over stigma.

The novel, brilliant color combination of the flower, together with its early blooming habit, good shipping and superior keeping qualities, combine to provide a very desirable and distinctly new commercial product.

I claim:

The new variety of hybrid tropical day-blooming water lily herein shown and described, having the distinctive brilliant imperial purple color of the corolla, rich golden yellow center, and the Burgundy violet color of the sepals showing between the petals, long open period, and ancestry specified.

MARTIN E. RANDIG.