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# (12) United States Plant Patent

## Friday

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**(54) PEACH TREE NAMED 'P. F. 12-B'**

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patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

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(58) Field of Search ..... **Plt./199, 198**

**(56) References Cited**

**U.S. PATENT DOCUMENTS**

PP9,939 P \* 7/1997 Friday ..... Plt./198  
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**(57) ABSTRACT**

A new and distinct variety of peach *Prunus persica*, tree  
having the following unique combination of desirable fea-  
tures:

1. The new and distinct variety of peach is of moderate  
spreading growth and a regular and productive pro-  
ducer of large highly-colored peaches.
2. Producing a very firm fruit having a resilient flesh  
texture.
3. Blossoms are non-showy when in full bloom.
4. A substantially spherical fruit with an attractive red skin  
coloring over most of the surface.
5. Early to mid-season maturing fruit of good taste.
6. A peach of good storage and shelf life.

**1 Drawing Sheet**

**1**

**ORIGIN OF VARIETY**

The new peach tree (*Prunus persica*) (hereinafter referred  
to as the 'P.F. 12-B' peach tree) was originated by Paul  
Friday in the experimental orchard, which is maintained for  
the purpose of breeding peach trees, at Paul Friday Farms  
Inc., located in Coloma, Mich. Coloma is located in the  
southwest section of Michigan.

In an ongoing mass selection breeding program, superior  
seedlings of unrecorded parentage are maintained as seed  
sources for the production of seeds which are collected and  
planted in mass. The seed producing parent trees are main-  
tained solely as proprietary trees for breeding purposes and  
have not been released from the experimental orchard,  
where such trees can be evaluated for their adaptability to  
local and regional growing conditions. Seeds resulting from  
open pollination of the trees in the experimental orchard are  
regularly planted in mass to produce new populations of  
seedlings which are cultured and monitored to maturity.  
Trees with superior attributes are retained for further obser-  
vation and testing, and contribute seeds to advancing gen-  
erations of new populations of seedlings.

The tree of this application, 'P.F. 12-B', was a selection  
from one such cultivated seedling population, and was based  
on the numerous superior genetic attributes of this tree  
which are described in the botanical descriptions to follow.  
While not exhaustive, the botanical descriptions to follow  
are believed to represent a reasonably complete botanical  
description of the new peach tree which is sufficiently  
detailed to distinguish the tree from the most closely related  
trees within the same market class.

**ASEXUAL REPRODUCTION OF THE VARIETY**

The new and distinct variety of peach tree was asexually  
propagated by budding onto 'Bailey' rootstock as performed  
in the experimental orchard of Paul Friday Farms Inc.,  
located in Coloma, Mich. The so stated propagation dem-  
onstrates that such reproduction of the characteristics of the

tree are consistent and are established and transmitted  
through succeeding propagation.

**SUMMARY OF THE VARIETY**

The new and distinct variety of peach tree is of semi-  
dwarf, moderate spreading growth and is a regular and  
productive bearer of large peaches. A distinct characteristic  
of the 'P.F. 12-B' peach tree is its medium vigor, having very  
10 stubby new growth with short internodes. The buds are  
generally one inch apart on the new growth. The blossoms  
bloom in mid-season and are characterized by being  
contracted, or partially spreading, in a  $\frac{3}{4}$ -inch diameter  
during bloom.

15 The blossoms of the present peach tree at full bloom may  
be characterized as non-showy. More specifically, the blos-  
soms have radially projecting and angularly spaced five-  
blossom petals to form a blossom having a diameter of about  
20  $\frac{3}{4}$ -inch measured across the blossoms.

The flesh of the fruit of the present peach tree is firm,  
clear, and void of much fiber; it is yellow.

25 The skin is smooth, having light down, and is of dark red  
color over about sixty to ninety percent (60% to 90%) of its  
surface at maturity. The red color overlays yellow. At  
maturity, the peach is spherical, having a diameter ranging  
from  $2\frac{1}{2}$  inches to  $3\frac{1}{4}$  inches.

30 The fruit has a firm flesh and may be described as resilient  
to the extent that the flesh is yieldable and restorable to its  
original state when subjected to impact forces which may  
cause bruising and soft blemishes, which lead to rejection by  
the buyer in the fresh market in peaches of the commercial  
varieties lacking this quality. This results in less spoilage and  
also increases the shelf life.

35 The fruit matures in the early to mid-part of the growing  
season, three days after the well-known 'Red Haven' variety  
in southwestern Michigan.

The fruit as mentioned heretofore is of red color over about 60% to 90% of its surface and has a very attractive appearance.

#### BRIEF DESCRIPTION OF THE PHOTOGRAPHS

In the accompanying photographic illustrations, the top photograph shows one whole specimen from the stem end, as well as one specimen of fruit bisected at a ninety-degree angle to the plane of the suture with the stone retained in one half. The large size obtainable with this variety is also demonstrated with a ruler showing fruit exceeding three inches in diameter.

The second photograph shows many highly colored specimens on the south side of the tree at different orientations while still attached to the stem. The semi-dwarf characteristics of this variety are also demonstrated by the leaves, stems, and short internodes in this photograph.

#### DESCRIPTION OF VARIETY

The detailed botanical description of the foliage and fruit of the new variety of peach tree is based upon observations of the specimens grown at Coloma, Mich. with the color terminology, other than the terminology expressed in common terms, in accordance with the Pantone Matching System (PMS) as used internationally to identify printed colors.

##### Tree:

*Height.*—Unpruned 12'.

*Width.*—Unpruned 12'.

*Size.*—Medium.

*Vigor.*—Medium vigor, terminal growth of 12" to 18" per year.

*Density.*—Medium, pruning requirements light.

*Form.*—Spreading.

*Production.*—Productive, fruit gets good size left heavy on the tree, thus heavy yields.

*Bearer.*—Consistent.

*Disease resistance to bacterial leaf and fruit spot.*—

Very good. No unusual susceptibility to diseases common to peach has been observed.

##### Trunk:

*Size.*—Small to medium.

*Surface.*—Smooth to medium shaggy.

*Color.*—Brownish gray.

##### Branches:

*Size.*—Small to medium.

*Surface.*—Smooth to medium.

*Lenticels.*—Medium number, the size is small  $\frac{3}{16}$ " to  $\frac{3}{8}$ " in length.

*Color.*—Grayish brown.

##### Leaves:

*Size.*—Small to medium. Average length—5". Average width—1".

*Form.*—Lanceolate—pointed. Apex acute to acuminate. Base attenuate to acute.

*Thickness.*—Medium.

*Texture.*—Medium.

*Margin.*—Serrate.

*Petiole.*—Medium length—medium thickness.

*Gland.*—Number varies from 4 to 8. They are oval, very small, located on the base of the leaf and upper portion of petiole.

*Color.*—Upper surface green (356c). Lower surface dull green (357c).

##### Flower buds:

*Size.*—Medium.

*Length.*—Medium.

##### Flowers:

*Blooming period.*—Mid-season.

*Size.*—Medium, about  $\frac{3}{4}$ " diameter.

*Pollen.*—Present, self-fertilizing.

*Color.*—Dark pink.

##### Fruit:

*Maturity when described.*—Firm ripe.

*Average date of first picking.*—In Michigan, August 8.

*Average date of last picking.*—In Michigan, August 18.

*Size.*—Large, average diameter  $2\frac{1}{2}$ " to  $3\frac{1}{4}$ ".

*Form.*—Spherical.

*Suture.*—Very shallow.

##### Skin:

*Thickness.*—Medium.

*Texture.*—Tough, tenacious to skin.

*Tendency to crack.*—None.

*Down.*—Light.

*Color.*—Fruit is very attractive, 60% to 90% blushed, ranging from orange-red (1665u) to purple-red (201c) with a yellow (114c) ground color.

##### Flesh:

*Texture.*—Firm—non-melting, absence of fiber.

*Ripens.*—Relatively even.

*Flavor.*—Excellent; sweet and good balance of sugar to acidity.

*Aroma.*—Pleasant.

*Color.*—Yellow (114c) with negligible red around the pit.

##### Stone:

*Type.*—Freestone.

*Size.*—Average length  $1\frac{1}{2}$ "; average width  $1\frac{1}{16}$ ".

*Form.*—Ovid.

*Base.*—Straight.

*Apex.*—Pointed.

*Sides.*—Nearly equal.

*Surface.*—Furrowed.

*Color.*—Reddish brown (173u).

*Tendency of crack.*—Slight, about 2%.

##### Use: Dessert.

*Shipping quality.*—Excellent.

*Keeping quality.*—Good. Can be kept for up to 3 weeks in deep refrigeration.

The tree and its fruits herein described may vary in slight detail as a result of differences in climatic or soil conditions or cultural practices under which the tree may be grown. It is to be understood that the description of the new variety as set forth herein is that of the tree grown under the ecological conditions prevailing at Coloma, Mich.

What is claimed is:

1. A new and distinct variety of peach tree substantially as illustrated and described.

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