



(FIG. 1356.—HYBRID PLUM GOLDEN, and its male parent (both life size) ROBINSON PLUM.

Mr. Burbank says of the tree, "I have never seen a plum tree which perfects so much fruit." His hybrid berry which he named Humboldt, grown from seed of an improved California Dewberry fertilized by the well known Cuthbert Raspberry, is shewn in the frontispiece. Its very large fruit is a dark crimson, exquisite in flavor, unexcelled for cooking or canning.

By fertilizing our common Black Walnut (*Juglans nigra*) with the Walnut of California, (*Juglans Californica*) he has produced a walnut larger than either parent, with meat superior in quality to theirs, and that parts more readily from the shell. The tree is an early bearer and very productive.

His new race of Clematis, the offspring of *Clematis coccinea* with *Clematis crispa*, is a most beautiful production. The plants are vigorous, produce a profusion of flowers from June until frost, which are generally broadly bell shaped, with a beautiful frosted appearance and a blending "of colors and shadings not found elsewhere in the Clematis family." (Figure 1358 is a representation of the flowers of this hybrid.)

These few instances of what has been done in the way of new creations in plant life naturally start the inquiry, *how* has it been done. That our answer may be intelligible also to those who are not familiar with the plant organs concerned in the formation of seed, the



FIG. 1357 —JUGLANS CALIFORNICA
Staminate Parent.

JUGLANS NIGRA.
Pistillate Parent.

HYBRID WALNUT.
All Life Size.