



## **Chestnut Importations into the US**

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The American chestnut trees in the New England woods are still sprouting, becoming infected with chestnut blight disease, dying, and sprouting again. Occasionally they become large enough to flower and, if another chestnut tree nearby is flowering, produce nuts. This keeps hope alive for repopulating the forest with trees that would provide nuts and timber. While breeding work is continuing, the final "perfect timber trees" are not yet available. However, other species and hybrids offer alternatives for the backyard, or professional orchardist. In previous centuries, chestnut trees were very important to the people on this continent. They took advantage of "new and different" material much more than is generally realized, and were planting Asian species long before chestnut blight was discovered in New York City in 1904. The USDA imported many seeds, and the Plant Introduction and Forest Pathology numbers can be searched for specific information about where the seed came from. I have started compiling some information about the history of chestnut importations into North America, to help people better appreciate this valuable resource. This will also be of value to people who know that "Grandpa got some chestnut trees called MAB from the government." and would like to know the origin of those trees.

### **1773 *Castanea sativa***

Thomas Jefferson brought cuttings of European chestnuts to his home, Monticello, and grafted them onto native American chestnut trees.

**1799 *Castanea sativa***

Eleuthere Irenee DuPont de Nemours moved from France to Bergen Point, NJ, and then to Brandywine, DE. He brought many European chestnuts with him, imported more later, hybridized them and planted them all over the area.

**1876 *Castanea crenata***

In 1876, the S. B. Parsons Co. in Flushing, NY imported Japanese chestnuts through Thomas Hogg, who spent several years in Japan collecting many kinds of rare trees and shrubs. The same year, the J. M. Thorburn Co. imported tea chests full of lily bulbs, and one contained Japanese chestnuts instead. The nuts were planted in F. W. Bruggerhof's garden in Stamford (Noroton), Connecticut, and some trees fruited two years later. Seedlings had been given to his friends, and soon attracted attention because of the large size of the nuts. Mr. Parsons marketed these trees and their seedlings as "Japan Chestnut" until Andrew S. Fuller (in his treatise on nut culture in 1896) proposed calling it "Parson's Japan." Japanese chestnuts have leaves that are smaller than the American or European. They are long and narrow, with many leaf hairs on the underside, and teeth that are small and sharply pointed. The nuts are large, but the pel is not easily removed, and tannins make them bitter until they are cooked. These trees are among the most resistant to Chestnut Blight Disease, Phytophthora root disease (Ink Disease), and the many insects that attack the nuts.

There are three of these Parsons' Japan chestnut trees still growing in Connecticut: One is behind the Congregational Church in Cheshire, one is in front of the Bee and Thistle Inn in Old Lyme, and one is on the grounds of P. T. Barnum's house in Bridgeport. The tree in Cheshire was probably planted by Tilton Munson or his son, who were then the owners of the property. In the 1940's, the owner was Mr. A. N. Sheriff, headmaster of the Cheshire Academy, who gave Arthur Graves permission to use the tree in crosses. We have no information on the people who planted the Bee and Thistle tree. The Old Lyme Inn, across the street from the Bee and Thistle, has Japanese chestnuts that look like the 'Japan Giant' sold by Ellwanger and Barry (Mt. Hope nurseries) in Rochester, NY, and these provide pollen for the Bee and Thistle tree.

**1882 *Castanea crenata***

William Parry of Parry, NJ, imported 1,000 grafted trees, and selected 'Parry' for sale.

**1886 *Castanea crenata***

Luther Burbank imported 10,000 nuts for selecting and hybridizing. In 1893, he sold three trees to Judge Andrew J. Coe of Meriden, CT. These were sold in 1897 to J. H. Hale of South Glastonbury who named them 'Coe', 'Hale', and 'McFarland' and sold them from his nursery.

## 1900 the 'Paragon' hybrid

[from Powell, 1899]

*Great American* (PA State Hort. Assoc. Proc. 1887)

*Paragon* (Popular Gardening, Dec. 1888)

"Burs immense, flattened, spines very long, branched, husk fleshy: nuts large, three or more in a bur, apex broad, depressed, 34 mm broad, 30 long, 23 thick, pubescent at tip, and slightly over two-thirds, dull dark brown, ridged, quality excellent; tree hardy, spreading, vigorous; foliage distinct, narrow, coarsely serrate, tapering gradually at the point, base narrow, subject to leaf blight; enormously productive, ripens at Parry, NJ Oct 10-15."

"Probably a seedling of a European chestnut, popularly supposed to have been planted by George Washington, standing at the first of this century on the west bank of the Schuylkill, above Philadelphia, on land owned by Richard Peters. The parent nut was obtained by the late W. L. Shaffer, Germantown, PA, and was planted there more than fifty years ago (exact date unknown), on land now occupied by the Deaf and Dumb Asylum. About 1875 the late H. M. Engle, Marietta, PA obtained grafts through Mr. Thomas Meehan, and introduced the nut in the early eighties, first as *Great American*, from its supposed American origin, and later as *Paragon*, when its European descent was fully accepted. Its early prestige was a result of its supposed American origin, it being referred to the American type in its early references. Bailey, in 1891, (Am. Garden), classed it as an American from the tapering form, and broad, deep serrations of the leaf, which are similar in the American foliage.

The form of the leaves alone support the supposed American origin of the 'Paragon' but the thickness of the foliage, which I have found a much less variable character than form, is distinctly European; the narrow base of the leaf is more European than American; and the low, spreading tree is distinctly European. It is not unlikely that the parent nut resulted from American pollen on the European pistil, for the Americans and Europeans readily cross; or, what is equally probably, the form of the foliage may be a varietal variation from the type. I am personally inclined to the latter view, as I find many gradations in form in the foliage of the European type, the same tree, as the 'Ridgely', or 'Styer' often producing leaves which vary from the abrupt to the narrow, long, tapering point.

I am indebted to Mr. Thomas Meehan for the facts concerning the parentage and early history of the 'Paragon'."

## **The Sober Groves**

From the report of Ernest A. Sterling to the NY Legislature, 1903

"Mr. Coleman K. Sober is a wealthy lumberman of Lewisburg, PA, a man who has long been identified with the lumbering interests of central PA, an ardent sportsman, an advocate of forest and game protection, and on the whole a strong, energetic individual with an inborn ability to make a success of whatever he undertakes. The motive which impelled him to make a costly experiment in chestnut culture was found in the desire to reclaim the waste lands of the State, and in the belief that a properly conducted chestnut grove would be a paying business venture. The idea of grafting chestnut trees came to Mr. Sober when, as a boy, he helped his father graft apple trees on the old farm, which is now the improved country estate of which the chestnut groves are a part. There existed near the old farmhouse a large native chestnut tree, the decrepit remains of which can still be seen, that bore chestnuts of unusual size and excellent flavor. To graft scions from this tree upon the poorer native chestnut trees of the vicinity was a boyhood dream, which was always discouraged; so that the realization of the desire came only recently, and not until Mr. Sober had grown to mature manhood. Of course when the work of grafting chestnut trees was finally taken up on a large scale it was not the fine old native chestnut which furnished the scions, but rather the larger and more valuable imported or improved native varieties which were used. True to his old desire, however, Mr. Sober grafted a number of trees with twigs from the old native tree, but as yet they are not old enough to bear profusely.

The chestnut grove proper is a part of Mr. Sober's large model farm, and is divided into two detached parcels with a total area of nearly 300 acres, the exact acreage not being known. In location it is in Irish Valley about six miles from the small station of Paxinos on the Philadelphia and Reading Railroad and some eight miles from the mining town of Shamokin.

In the choice of species very little experimental work has been done. It was early decided that the 'Paragon' nut was the best; hence this variety alone has been grafted extensively. Investigations in other orchards, and the literature consulted, confirm this choice of variety as a wise one. Compared with the common European and Japanese chestnuts the 'Paragon' is more prolific, less troubled by curculio, comes into bearing sooner, and has a finer flavored nut. In size, too, the nuts are equal to the best. With selected nuts thirty two will weigh one pound, while many specimens will cover a silver dollar. The rapidity with which the 'Paragon' will come into bearing is also astonishing. One little two-year-old graft, no higher than a man's shoulder, last year matured fifty-six burs; while a tree three to four years old will produce a pint or two of nuts.....There are

approximately 240 grafted trees per acre in Mr. Sober's grove at present. The total number of trees is probably not far from 75,000."

From the Northumberland County, Pennsylvania Annals, p. 340

"Rows of young trees have been grafted to the Sober Paragon nut, and heavy shipments are made each season. At first the orders were mainly from the New England States, but now they come from all parts of this country and even from Europe. In 1908 a solid carload of the Sober Paragon nut went to Seattle, Wash. In the summer of 1910, a Seattle man who had an ambition to enter the business on a large scale offered to buy Mr. Sober's entire yield for that year. Several carloads of young trees are sold every spring. In 1910 Mr. Sober shipped and sold to one concern, Glen Brothers of Rochester, NY, seven carloads of bearing trees, and in addition to this shipment sold to various other concerns over five thousand grafted trees (nursery stock, two and a half to three feet high). In 1911 he shipped to Glen Brothers two carloads (one shipment) of bearing trees, eight to twelve feet in height, and in addition to the same concern at various times over ten thousand trees."

### 1903 Chestnuts in Pennsylvania and New Jersey Chestnuts

From the report of Ernest A. Sterling to the NY Legislature, 1903

Sober	300 acres 75,000 grafted 'Paragon'	central PA near Shamokin
Albion	150 acres 9,000 to 15,000 grafted trees, mostly 'Numbo'	Clementon, NJ
Mammoth As Albion	120 acres	Clementon, NJ
Moon	(nursery) Grafted and sold, mostly 'Numbo', original from France or England, 1850	Morrisville, PA
Comfort	1 acre 56 grafted trees, mostly 'Numbo'	Fallsington, PA
Lovett	22 acres 1,200 grafted trees, mostly 'Paragon'	Emilie, PA
Collins	30 acres Grafted many cultivars, 'Paragon' best	Morristown, NJ
Parry Brothers Nursery	Many grafted seedlings, \$90 per 100	Cinnaminson, NJ

Williams  
7,500 seedlings grafted with European and Japanese cultivars  
Riverton, NJ

Beecher                      ~80 acres  
18,000 grafted 'Paragon'  
Pottsville, PA

### Useful References

#### Trees:

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2. Frothingham, E. H. 1912. Second-growth hardwoods in Connecticut. U.S. Dept. Agric., Forest Service Bulletin #96, Washington, DC
3. Fuller, A. S. 1896. The Nut Culturist: A treatise on the Propagation, Planting and Cultivation of Nut-bearing Trees and Shrubs Adapted to the Climate of the United States. Orange Judd Co., New York.
4. Meyer, F. N. 1911. Agricultural explorations in the fruit and nut orchards of China. U.S. Dept. Agric., Bureau of Plant Industry Bulletin #204, Washington, DC
5. Powell, G. H. 1898. The European and Japanese chestnuts in the Eastern United States. Delaware College Agricultural Experiment Station Bulletin #42, Newark, DE.
6. Zon, R. 1904. Chestnut in Southern Maryland. U.S. Dept. Agric., Bureau of Forestry Bulletin #53, Washington, DC

#### Chestnut Blight Disease

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2. Fairchild, D. 1913. The discovery of the chestnut bark disease in China. *Science* 38:279-299.
3. Merkel, H. W. 1905. A deadly fungus on the American chestnut. *NY Zool. Soc., 10th Ann. Rep., NY.*
4. Metcalf, H. and Collins, J. F. 1909. The present status of the chestnut bark disease. U.S.D.A. Bureau of Plant Industry Bulletin #141, part 5, pages 45 to 53.
5. Murrill, W.A. 1908. The spread of the chestnut disease. *J. NY Botanical Garden* 9:23-30.
6. Shear, C. L. and Stevens, N. E. 1913. The chestnut-blight parasite (*Endothia parasitica*) from China. *Science* 38:295-297.
7. Shear, C. L. and Stevens, N. E. 1916. The discovery of the chestnut-blight parasite (*Endothia parasitica*) and other chestnut fungi in Japan. *Science* 43:173-176.

People:

1. Cunningham, I. S. 1984. *Frank N. Meyer: Plant Hunter in Asia.* Iowa State Univ. Press; Ames, IA.
2. Fairchild, D. 1938. *The World Was My Garden.* C. Scribner's Sons, NY.
3. Sutton, S. B. 1970. *Charles S. Sargent and the Arnold Arboretum.* Harvard Univ. Press, Cambridge, MA.
4. Sutton, S. B. 1974. In *China's Border Provinces: The Turbulent Career of Joseph Rock, Botanist-Explorer.* Hastings Co., NY.

**Records from the Plant Introduction Publications, 1901 through 1929**  
**(The Plant Introduction gardens were in Bell, MD and Chico, CA)**

<b>DATE</b>	<b>P.I. NUMBER</b>	<b>SPECIES AND INFORMATION</b>
<b>1901</b>	6530	<i>Castanea</i> sp. G.D. Brill; Hankow, China, no distribution
	6533	<i>Castanea</i> sp. G.D. Brill; Ichang, China, no distribution
	6634	<i>Castanea</i> sp. G.D. Brill; "seed mixed, large and medium" China, no distribution
<b>1902</b>	8362	<i>Castanea</i> sp. Lathrop and Fairchild; Canton, China
	8393	<i>Castanea crenata</i> "Japan Mammoth," L. Boehmer & Co., Yokohama, Japan
<b>1904</b>	12773	<i>Castanea crenata</i> F.W. Bruggerhof, president of J.M. Thorburn Co., New York City
<b>1905</b>	12681	<i>Castanea vesca</i> [ <i>sativa</i> ] San Giovanni a Teduccio near Naples through Damman & Co.
	13130	<i>Castanea crenata</i> T.E. Steele, Palmyra, NY
	13131	<i>Castanea sativa</i> T.E. Steele, Palmyra, NY
<b>(1906?)</b>	17876	<i>Castanea sativa</i> Market in Peking, from Chee-san near Chang-li, China Frank Meyer, no distribution
	17877	<i>Castanea sativa</i> Peking market, China, as 17876, ordinary chestnut Frank Meyer, no distribution
	17896	<i>Castanea sativa</i> Tientsin market, China Frank Meyer, no distribution
<b>1907</b>	21875	<i>Castanea sativa</i> Pangshan, Chihli, China, called San li tse shu Frank Meyer
<b>1909</b>	26230-231	<i>Castanea pumila</i> X <i>Castanea crenata</i> VanFleet, Little Silver, NJ
	26232-233	<i>Castanea pumila</i> X <i>Castanea</i> , "Paragon" VanFleet, Little Silver, NJ

26234-235 *Castanea pumila* X *Castanea crenata*  
F2 selfed, VanFleet, Little Silver, NJ

**1910**

27587 *Castanea* (Korean)  
Yokohama Co. (purchased from nursery)

28513 *Castanopsis*  
"Ber shin tze," Wu chang, Hupeh, China

**1911**

32323 *Castanea sativa*  
Kutien, Fukien, China  
Dr. T. H. Coole, no distribution

32365 *Castanea sativa*  
Dong Ding Mountain, near Soochow, China, no distribution  
Nathaniel Gist Gee, Soochow University, Soochow

**1912**

34517 *Castanea* sp.  
wild, Tientsin, China planted in row M16

**1913**

35891 *Castanea mollissima*  
"Lee tze," Frank Meyer #1867a  
low branching, open headed  
San Tun Ying, China

35917 *Castanea* sp.  
Seoul, Chosen, Korea  
free from insect injury, very sweet, loose pellicle

36666 *Castanea mollissima*  
"Lee tze," Frank Meyer #1893a  
Pang shan region, northeast of Peking  
250 lbs. of seed (!)

**1914**

37547 *Castanea mollissima*  
Frank Meyer #1103  
Yatzeko (villege), south of Sianfu, China  
said to have large fruits, very blight resistant

37548 *Castanea mollissima*  
"K'uei li tzu," Frank Meyer #2005a  
one days' journey south of Sianfu  
a "Lee tze" type with very large nuts

37799 *Castanea mollissima*  
"K'uei li tzu," Frank Meyer #2006a  
Yatzeko, China (same as 37548)  
not very hardy north of Washington, D.C., no distribution

- 37800 *Castanea mollissima*  
 “Yin li tzu” (means Silver Chestnut),  
 Frank Meyer #2007a  
 ordinary local chestnut, small nuts,  
 low branching, not tall, leaves persist until spring
- 38182 *Castanea mollissima*  
 Frank Meyer #2013a  
 Taishan region near Taianfu, Shantung, China  
 very susceptible to blight,  
 nuts peculiar, bent in at tops
- 39550 and 39551 *Castanea* sp.  
 Nanking, China (collected inside city)  
 Rev. Joseph Baille, University of Nanking, no distribution
- 39618 *Castanea* sp.  
 Songdo, Chosen, Korea
- 39413 *Castanea crenata*  
 “Imperial,” Tokyo, Japan
- 1915**
- 39717 *Castanea* sp.  
 Anhwei, Nanking, China
- 39866 *Castanea* sp.  
 China
- 39721 *Castanea mollissima*  
 Tientsin, China  
 Samuel S. Knabenshue, American Consul General
- 39965 *Castanea crenata*  
 Buitenzorg, Java
- 40035 *Castanea* sp.  
 Frank Meyer #2173a  
 Huihsien, Kansu, China  
 medium tall, slender trunk, bark smoother than  
*mollissima*; leaves, burs, and nuts small,  
 likes shade, damp soil
- 40036 *Castanea* sp.  
 Frank Meyer #2174a  
 Chenghsien, Kansu, China  
 as 40035, wild in mountains, mild climate only, no distribution
- 40209 *Castanea* sp.  
 Scions from trees inside the city, Nanking, Kiangsu, China  
 Joseph Baille
- 40508 *Castanea mollissima*  
 Frank Meyer #2179a  
 “Qui li tzu,” more resistant to blight than  
 normal, Yatzeko, S of Sianfu, Shensi, China, no distribution

**1915?**

- 41357 *Castanea pumila* x *C. crenata*  
Seed from Bell, MD #9860, tree 18  
Produced by Dr. Walter Van Fleet at Little Silver, NJ  
27 trees grown at Chico, CA Plant Introduction Station

**1916**

- 43832 *Castanea henryi*  
cuttings from the Arnold Arboretum, Boston, MA  
probably #551 of E.H. Wilson from 1908

**1917**

- 44197 *Castanea mollissima*  
Frank Meyer #2324a  
Pangshan district NE of Peking  
dark colored nuts
- 44198 *Castanea mollissima*  
Frank Meyer #2325a  
Pangshan district NE of Peking  
light colored nuts
- 44448 *Castanea mollissima*  
Anhwei (Anking) province, China  
Rev. Joseph Bailie (sic.)
- 44440 *Castanopsis* sp.  
Anchin, Anhwei province, China
- 45255 *Castanea crenata*  
Y. Kin, China, Hangchow, Chekiang Province  
large nutted variety
- 45256 *Castanea crenata*  
as above  
small nutted variety
- 45329 *Castanea neglecta*  
D. Grinnan, Madison Co., VA, Rapidan River bank  
assumed to be a hybrid, *pumila* X *dentata*

**1918**

- 45330 to 45342 *Castanea* sp.  
various o.p. seeds from W. Van Fleet, Bell, MD.
- 45507 *Castanea* sp.  
o.p. seeds from J.W. Killen, Felton, DE
- 45670 *Castanea henryi*  
Scions from the Arnold Arboretum, Boston, MA
- 45858-45866 *Castanea* spp.  
cuttings from Van Fleet, Bell, MD
- 45947 *Castanea mollissima*  
Frank Meyer #2457a  
"Ta pan li tze" "large board oak" seeds  
Ichang, Hupeh, China (mountains)

- 45948 *Castanea mollissima*  
 Frank Meyer #2458a  
 "Wa li tze" "bean chestnut" wholly resistant  
 to blight, wild trees 3000 to 6000 above sea  
 level, Wantiaoshan, Hupeh, China
- 45949 *Castanea seguinii*  
 Frank Meyer #2459a  
 "Moh pan li," "hairy board oak" shrubby  
 chinquapin totally resistant to blight  
 Ichang, Hupeh, China, 2 ozs. Seed in very poor condition
- 46780 *Castanea mollissima*  
 Wushek, N China  
 G. Weidman Groff, 15 nuts
- 46822-46831 *Castanea neglecta*  
 Cape Henry, VA
- 47330-47348 *Castanea dentata*  
 scions of trees found by A.H. Graves,  
 collected by W. Van Fleet  
 may have some blight resistance

**1919**

- 48555 *Castanea crenata*  
 Kobe, Japan  
 seeds being loaded for shipment to America
- 48556 *Castanea crenata* ?  
 Foochow, China, seeds from the market

**1921**

- 52387 *Castanea diversifolia*  
 Bangkok, Siam  
 Mighty trees with wonderful crown, straight trunks, fine wood, nuts  
 sweet and tasty, prolific bearers  
 J. F. Rock

**1922**

- 55079 *Castanea sativa*  
 Vilmor in-Andrieux & Co., Paris, France  
 Leaves of various shapes, "heterophylla"
- 55827 *Castanea sativa*  
 C.S. Sargent  
 From T.H. Symington's land in Morristown, N.J.
- 55930 *Castanea mollissima*  
 J.F. Rock #6165  
 Yangpi Mts. Near Tsangshan Range, China
- 55983 *Castanea* sp.  
 J.F. Rock #6256  
 8000 to 9000 ft, Yangpi Mts., China, dead at both Chico and Bell

- 55984 *Castanea* sp.  
 J.F. Rock #6256  
 wild trees, 8000 ft, Haitung Range east of Lake Tali, China
- 56080 *Castanea* sp.  
 J.F. Rock #6682  
 8200 ft, W of Talifu and 12 mi from Yungping, China  
 Dead Chico and Bell, 1924
- 56081 *Castanea* sp.  
 Seeds and plants  
 J.F. Rock #6683  
 Yellow clay forest 6 mi from Paitoupu, China  
 Burs in lateral spikes, dark green, leathery leaves
- 56082 *Castanea* sp.  
 Seeds and plants  
 J.F. Rock #6683a  
 As above, smaller burs, spines different  
 Dead at Chico and Bell, 1924
- 56083 *Castanea* sp.  
 Seeds and plants  
 J.F. Rock #6686  
 Near Talipingpu, W of Talifu, China  
 Failed to grow at Bell
- 56118 *Castanea* sp.  
 J.F. Rock (no number)  
 Kancha, N of Tengyueh, China  
 Failed to grow at Bell
- 56119 *Castanea* sp.  
 J.F. Rock #6683  
 Paitoupu, China, failed to grow at Chico, CA and at Bell, MD
- 56128 *Castanea* sp.  
 J.F. Rock #6714  
 6,500 ft, N of Manchi, China  
 failed to grow at Chico, CA and at Bell, MD
- 56129 *Castanea* sp.  
 J.F. Rock #6715  
 Tops of ridges above Menglien, China  
 failed to grow at Bell, MD
- 56130 *Castanea* sp.  
 J.F. Rock  
 Vicinity of Tengyueh, Yunnan
- 56392 *Castanea mollissima*  
 Near Ming Tombs at Hsing-chuang, Chihli, China  
 C. A. Reed
- 56393 *Castanea mollissima*  
 Street seller in Anshan, north of Lanchow, China  
 failed to grow at Bell, MD

- 56394 *Castanea mollissima*  
Market in Tsinan, Shantung, north of Tsinan, China  
failed to grow at Bell, MD
- 56395 *Castanea mollissima*  
Market in Yih sien, Shantung, China  
failed to grow at Bell, MD
- 56396 *Castanea mollissima*  
Market in Shihkiachwang, Chihili, China  
failed to grow at Bell, MD
- 56397 *Castanea mollissima*  
Market in Yanchiachaun, Chili, near Cupu in the Lanchow-Changli  
district, China, failed to grow at Bell, MD
- 56439 *Castanea* sp.  
From Lancaster, PA, from the Kinshan Arboretum near Shanghai,  
China, J. F. Jones, failed to grow at Bell, MD
- 56488 *Castanea* sp.  
Wild tree in the Shiku Valley, Yangtze River, two days travel west of  
Likiang, China (J. F. Rock?)
- 56677 *Castanea* sp.  
J.F. Rock
- 56761 *Castanea mollissima*  
Wan Chia Chang, north west of Changli, Chihili, China  
J. F. Rock? failed to grow at Bell, MD

### 1923

- 56768 *Castanea* sp.  
Shweli Valley ~ 6,000 ft., Yunnan, China  
solitary nuts, one of the finest forest tree of Yunnan, J. F. Rock
- 56777 *Castanea* sp.  
Small fruit, triangular nuts, J. F. Rock

### 1924

- 58602 *Castanea mollissima*  
Nanking, China  
Seed purchased from Prof. J.H. Reisner, Forestry  
University of Nanking
- 58659 *Castanea mollissima*  
Yangchialou, north of Yih sien, Shantung, China  
K. M. Gordon
- 58719 *Castanea mollissima*  
Tsili, Taianhsien Kinkou, Shantung, China  
Rev. S. Emmet Stephens
- 58720 *Castanea mollissima*  
Chuchenghsien, Shantung, China  
Rev. S. Emmet Stephens

- 58721 *Castanea mollissima*  
Tanghsien, Shantung, China  
Rev. H. G. Romig
- 58722 *Castanea mollissima*  
Yencheng, Shantung, China  
Rev. H. G. Romig
- 58723 *Castanea mollissima*  
Peih sien, Shantung, China  
Rev. H. G. Romig
- 58725 *Castanea mollissima*  
from Shanyu, Chekiang, (Shangyu?), China  
Rev. J. E. Shoemaker
- 61834 *Castanea* sp.  
Fa Hua Ssu temple, Taitzu, Chihli, China  
P.H. Dorsett #790  
Finest nuts and trees seen
- 61835 *Castanea* sp.  
Fa Hua Ssu temple, Taitzu, Chihli, China  
P.H. Dorsett #791  
Ordinary nuts and trees
- 62129 *Castanea mollissima*  
N China, hardy, blight-resistant trees
- 1925**
- 62257 *Castanea* sp.  
"Hu chaoli Tzu" "Tiger Paw," same as #61834  
P.H. Dorsett #1677
- 62258 *Castanea* sp.  
same as #61835, P.H. Dorsett #1678
- 62393 *Castanea mollissima*  
"Fung Lut," Lungtin, Kwangtung, China  
F.A. McClure #23
- 62764 *Castanea* sp.  
Same source as #61834, nuts ripen later  
P.H. Dorsett #1871
- 65450 *Castanea henryi*  
from C.S. Sargent, Arnold Arboretum  
probably their Wilson import, as 43832
- 65619 *Castanea mollissima*  
Scions of "Ta chao li tze" "Tiger Paw,"  
Fa Hua Ssu Temple near Peking, same as #61834  
J.H. Dorsett #4687
- 65620 *Castanea mollissima*  
"Pai lu li tze" "White Dew,"  
Fa Hua Ssu Temple near Peking, same as #61835  
J.H. Dorsett #4688

1926

- 65715 *Castanea henryi*  
Nanking, Chinese Nursery  
W. Young Chun
- 65805 *Castanea mollissima*  
Chukkouen, Lohkongtung, Canton, China  
“Fung lut” and “Hong lut” nuts almost completely covered by hairs  
F. A. McClure #185
- 65806 *Castanea mollissima*  
Chukkouen, Lohkongtung, Canton, China  
Also “Fung lut” and “Hong lut” but nuts deep brown-red, and  
completely free from appressed hairs  
F. A. McClure #186
- 58658 *Castanea mollissima*  
Fa Hua Ssu Temple near Peking, China  
“Pai Lui tze”, the white dew chestnut  
P. H. Dorsett #4666
- 65859 *Castanea mollissima*  
Fa Hua Ssu Temple near Peking, China  
Mixed seeds of “Erh Luli tze” (second crop chestnut) and  
“Han Luli tze” (cold dew chestnut)  
P. H. Dorsett
- 65861 *Castanea mollissima*  
Fa Hua Ssu Temple near Peking, China  
Hu chaoli tze (tiger paw chestnut)  
P. H. Dorsett
- 66036 *Castanea henryi*  
Purchased from Prof. J. H. Reisner, University of Nanking, China
- 66037 *Castanea mollissima*  
Purchased from Prof. J. H. Reisner, University of Nanking, China
- 66038 *Castanea seguinii*  
Purchased from Prof. J. H. Reisner, University of Nanking, China
- 67173 *Castanea henryi*  
“Kwai Lam Yui” seed purchased in Wuchow, Kwangsi, and said to  
have come from Lwailam, Kwongsai, China  
F. A. McClure
- 69536 *Castanea mollissima*  
Scions and cuttings from “Tao woh lut”, (early-rice chestnut)  
Shuisai, Lohkongtung, China  
F. A. McClure
- 70254 *Castanea henryi*  
“Tuk Lut tsz”, (solitary chestnut seed), seed and scions  
Chinhwashaan, Anhwei, China  
F. A. McClure

- 70317 *Castanea seguinii*  
 “Mo lut tsz” a bush or low tree, occasionally up to 40 ft.  
 Chiuwashaan, Anhwei, China  
 F. A. McClure #700
- 70319 *Castanea henryi*  
 From Nanking, China  
 Purchased from Prof. J. H. Reisner, University of Nanking, China
- 70320 *Castanea henryi*  
 From Nanking, China  
 Purchased from Prof. J. H. Reisner, University of Nanking, China
- 70321 *Castanea seguinii*  
 “Tuk Lut tsz”, (solitary chestnut seed), seed  
 Chinhwashaan, Anhwei, China  
 F. A. McClure
- 70755 *Castanea henryi*  
 Scions from a tree planted by Dr. Walter Van Fleet, Bell, MD about  
 1916, his tree from a scion from the Arnold Arboretum in Boston  
 grafted on seedlings of *Castanea crenata*

**1927**

- 71027 *Castanea mollissima*  
 “Han luli tze” (cold dew chestnut)  
 From the Fa Hua Ssu Temple near Peking, China  
 P. H. Dorsett #8868
- 71028 *Castanea mollissima*  
 “Erh luli tze” (second crop chestnut)  
 From the Fa Hua Ssu Temple near Peking, China  
 P. H. Dorsett #8869
- 71029 *Castanea mollissima*  
 “Hue haoli tze” (tiger paw chestnut)  
 From the Fa Hua Ssu Temple near Peking, China  
 P. H. Dorsett #8870
- 72096 *Castanea mollissima*  
 “Pai lu li tze” (white dew chestnut)  
 Fa Hua Ssu Temple near Peking, China  
 P. H. Dorsett #8776
- 72097 *Castanea mollissima*  
 “Erh luli tze” (second crop chestnut)  
 From the Fa Hua Ssu Temple near Peking, China  
 P. H. Dorsett #8886
- 72098 *Castanea mollissima*  
 “Han luli tze” (cold dew chestnut)  
 From the Fa Hua Ssu Temple near Peking, China  
 P. H. Dorsett #8886
- 74157 *Castanea mollissima*  
 Singapore, Straits Settlements, Botanic Garden  
 R. E. Holttum

**1928**

76010 *Castanea mollissima*

“Hue haoli tze” (tiger paw chestnut)

From the Fa Hua Ssu Temple near Peking, China

Peter Liu

76087 *Castanea mollissima*

Scions of “Hue haoli tze” (tiger paw chestnut)

From the Fa Hua Ssu Temple near Peking, China

Peter Liu

78504 *Castanea henryi*

Scions from Bell MD, grafted on *Castanea crenata* at the U.S. Plant

Field Station in in Glen Dale, MD

78505 *Castanea henryi*

Scions from Bell MD, grafted on *Castanea crenata* at the U.S. Plant

Field Station in in Glen Dale, MD

**1929**

78744 *Castanea mollissima*

“Hue haoli tze” (tiger paw chestnut)

From the Fa Hua Ssu Temple near Peking, China

Peter Liu

**Seeds sown in the Plant Introduction Station at Bell, MD with the row designations (letters), PI numbers and numbers assigned by Fred Berry, species, and year planted.**

Row	PI #	Fred Berry #	Species	date
A		76196	<i>C. crenata</i>	1929
B		76097, 76105, 76187	<i>C. crenata</i>	1929
C		76093	<i>C. crenata</i>	1929
D		77214	<i>C. crenata</i>	1929
E		76090	<i>C. crenata</i>	1929
F		77225	<i>C. crenata</i>	1929
G		77217	<i>C. crenata</i>	1929
H		77242	<i>C. crenata</i>	1929
I		77213	<i>C. crenata</i>	1929
J		77226	<i>C. crenata</i>	1929
K		77210	<i>C. crenata</i>	1929
L		77205	<i>C. crenata</i>	1929
(M)				
N		76192	<i>C. crenata</i>	1928
O		77238	<i>C. crenata</i>	1928
P		77222	<i>C. crenata</i>	1928
Q		76202	<i>C. crenata</i>	1928
R		76094	<i>C. crenata</i>	1928
S		77218, 77219	<i>C. crenata</i>	1928
*S	9860	Walter Van Fleet hybrid	<i>C. pumila</i> x <i>C. crenata</i>	Before 1915
T		77216	<i>C. crenata</i>	1928
U		77209	<i>C. crenata</i>	1928
V		76201	<i>C. crenata</i>	1928
W		76186	<i>C. crenata</i>	1928
X		76088	<i>C. crenata</i>	1928
Y		77241	<i>C. crenata</i>	1928
Z		77240, 77236	<i>C. crenata</i>	1928
AA		77228	<i>C. crenata</i>	1927
AB	75469, 75472, 75473, 75474, 75476	72311	<i>C. crenata</i>	1927
AC	75477		<i>C. crenata</i>	1927
AD	75478		<i>C. crenata</i>	1927
AE	75479		<i>C. crenata</i>	1927
AF	75480		<i>C. crenata</i>	1927
AG	75481		<i>C. crenata</i>	1927
AH	75482		<i>C. crenata</i>	1927

AI	75483, 75485, 75486, 75487, 75488, 75489, 75490		<i>C. crenata</i>	1927
(AJ)				
AK	75491		<i>C. crenata</i>	1927
AL	75492		<i>C. crenata</i>	1927
AM	75493, 75494		<i>C. crenata</i>	1927
AN	75495		<i>C. crenata</i>	1927
AO	75496		<i>C. crenata</i>	1927
AP	75497		<i>C. crenata</i>	1927
AQ	75498		<i>C. crenata</i>	1927
AR	75499		<i>C. crenata</i>	1927
AS	75500, 75501		<i>C. crenata</i>	1927
AT	75502		<i>C. crenata</i>	1927
AU	75503		<i>C. crenata</i>	1927
AV	75504		<i>C. crenata</i>	1927
AW	75505		<i>C. crenata</i>	1927
AX	75506		<i>C. crenata</i>	1927
AY	75507		<i>C. crenata</i>	1927
BA	75508		<i>C. crenata</i>	1927
BB			<i>C. crenata</i>	1927
BC	75509		<i>C. crenata</i>	1927
BD			<i>C. crenata</i>	1927
BE	75511		<i>C. crenata</i>	1927
BF	75512		<i>C. crenata</i>	1927
BG	75513		<i>C. crenata</i>	1927
BH	75514		<i>C. crenata</i>	1927
BI	75515		<i>C. crenata</i>	1927
BJ	75516		<i>C. crenata</i>	1927
BK	75517		<i>C. crenata</i>	1927
BL	75518		<i>C. crenata</i>	1927
BM	75519		<i>C. crenata</i>	1927
BN	75520		<i>C. crenata</i>	1927
BO	75521		<i>C. crenata</i>	1927
BP	75522		<i>C. crenata</i>	1927
BQ	75523		<i>C. crenata</i>	1927
BR	75524		<i>C. crenata</i>	1927
BS	75525		<i>C. crenata</i>	1927
(BT)				
BU			<i>C. crenata</i>	1927
BV			<i>C. crenata</i>	1927
BW			<i>C. crenata</i>	1927
BX			<i>C. crenata</i>	1927
BZ			<i>C. crenata</i>	1927

CC		77221	<i>C. crenata</i>	1929
DD		77220	<i>C. crenata</i>	1929
EE		77204	<i>C. crenata</i>	1929
FF		77200	<i>C. crenata</i>	1929
GG		75197	<i>C. crenata</i>	1929
HH		76188	<i>C. crenata</i>	1929
II		76095	<i>C. crenata</i>	1929
JJ		76091 & 76092	<i>C. crenata</i>	1929
KK		77239	<i>C. crenata</i>	1929
LL		77234	<i>C. crenata</i>	1929
(MM)				
NN		77233	<i>C. crenata</i>	1929
OO		77229	<i>C. crenata</i>	1929
PP		77215	<i>C. crenata</i>	1929
QQ		77206	<i>C. crenata</i>	1929
RR		77202	<i>C. crenata</i>	1929
SS		76187	<i>C. crenata</i>	1929
TT		76096	<i>C. crenata</i>	1929
UU		76089	<i>C. crenata</i>	1929
VV	80388		<i>C. species</i>	1929
WW	78644		<i>C. crenata</i>	1929
(XX)				
YY		77207	<i>C. crenata</i>	1929
ZZ		76198	<i>C. crenata</i>	1928
(DA-DD)				
DE	85767		<i>C. crenata</i>	1929
DF	85765		<i>C. crenata</i>	1929
DG	85769		<i>C. crenata</i>	1929
DH	85770		<i>C. crenata</i>	1929
(DI)				
DJ	85771		<i>C. crenata</i>	1930
DK	85772		<i>C. crenata</i>	1930
(DL)				
DM	85774		<i>C. crenata</i>	1930
DN	85775		<i>C. crenata</i>	1930
DO	85776		<i>C. crenata</i>	1930
DP	85777		<i>C. crenata</i>	1930
DQ	85778		<i>C. crenata</i>	1930
DR	85779		<i>C. crenata</i>	1930
DS	85780		<i>C. crenata</i>	1930
DT	85781		<i>C. crenata</i>	1930
DU	87582		<i>C. crenata</i>	1930
DH	85770		<i>C. crenata</i>	1930
(DI)				
DJ	85771		<i>C. crenata</i>	1930

DK	85772		<i>C. crenata</i>	1930
(DL)				
DM	85774		<i>C. crenata</i>	1930
DN	85775		<i>C. crenata</i>	1930
DO	85776		<i>C. crenata</i>	1930
DP	85777		<i>C. crenata</i>	1930
DQ	85778		<i>C. crenata</i>	1930
DR	85779		<i>C. crenata</i>	1930
DS	85780		<i>C. crenata</i>	1930
DT	85781		<i>C. crenata</i>	1930
DU	85782		<i>C. crenata</i>	1930
DV	85783		<i>C. crenata</i>	1930
DW	85784		<i>C. crenata</i>	1930
DX	85785		<i>C. crenata</i>	1930
DY	85786		<i>C. crenata</i>	1930
DZ	85787		<i>C. crenata</i>	1930
(EA-EE)				
EF	85788		<i>C. crenata</i>	1929
EG	85789		<i>C. crenata</i>	1929
EH	85790		<i>C. crenata</i>	1929
(EI)				
EJ	85791		<i>C. crenata</i>	1929
EK	85792		<i>C. crenata</i>	1929
EL	85793		<i>C. crenata</i>	1929
EM	85794		<i>C. crenata</i>	1929
EN	85795		<i>C. crenata</i>	1929
EO	85796		<i>C. crenata</i>	1929
EP	85797		<i>C. crenata</i>	1929
EQ	85798		<i>C. crenata</i>	1929
(ER)				
ES	85801		<i>C. crenata</i>	1929
ET	85802		<i>C. crenata</i>	1929
EU	85803		<i>C. crenata</i>	1929
EV	85804		<i>C. crenata</i>	1929
(EW-EZ)				
FA		76194	<i>C. crenata</i>	1928
GA	95576		<i>C. crenata</i>	1932
GB	95577		<i>C. crenata</i>	1932
GC	95578		<i>C. crenata</i>	1932
GD	95579		<i>C. crenata</i>	1932
GE	98256		<i>C. crenata</i>	1932
GF & GU	98733		<i>C. crenata</i>	1932
GH	98734		<i>C. crenata</i>	1932
GI	98735		<i>C. crenata</i>	1932
GJ	98736		<i>C. crenata</i>	1932

GK	101705		<i>C. crenata</i>	
GL	101704		<i>C. crenata</i>	
GM	104014		<i>C. crenata</i>	
GN	104015		<i>C. crenata</i>	
GO	104016		<i>C. crenata</i>	
GP	104017		<i>C. crenata</i>	
GQ	104018		<i>C. crenata</i>	
GR	104019		<i>C. crenata</i>	
GS	104020		<i>C. crenata</i>	
GT	104021		<i>C. crenata</i>	
GU	98733		<i>C. crenata</i>	1932, 1933
GV	108815		<i>C. crenata</i>	1934
GW	113678		<i>C. crenata</i>	1936, 1937
GX	113677		<i>C. crenata</i>	1936
GY	113676		<i>C. crenata</i>	1936
GZ	113679		<i>C. crenata</i>	1936
AAA		76193	<i>C. crenata</i>	1928
BBB		76191	<i>C. crenata</i>	1928
CCC		76190	<i>C. crenata</i>	1928
DDD		77203	<i>C. crenata</i>	1928
EEE			i.d. lost	
ERA	85799		<i>C. crenata</i>	1929
ERB	85800		<i>C. crenata</i>	1929
FFF		76189	<i>C. crenata</i>	1928
GAA	113674		<i>C. crenata</i>	1936
GAB	113675		<i>C. crenata</i>	1936
GLS	101704		<i>C. crenata</i>	1933
GLL	101704		<i>C. crenata</i>	1933

MA		77227	<i>C. mollissima</i> (Korea)	1929
MB		77232	<i>C. mollissima</i> (Korea)	1929
MC		77233	<i>C. mollissima</i> (Korea)	1929
MD		77230	<i>C. mollissima</i> (Korea)	1929
ME	85805		<i>C. mollissima</i> (Korea)	1929
MF	85806		<i>C. mollissima</i>	1930
MG	85807		<i>C. mollissima</i>	1930
MH	85808		<i>C. mollissima</i>	1930
MI	86872	7810	<i>C. mollissima</i> (Japan)	1930

MJ	86873	7811	<i>C. mollissima</i> (Japan)	1930
MK	95615	17984	<i>C. mollissima</i>	1932
ML	95641	18011	<i>C. mollissima</i>	1932
MM	95642	18012	<i>C. mollissima</i>	1932
MN	95643	18013	<i>C. mollissima</i>	1932
MO	95644	18014	<i>C. mollissima</i>	1932
MP	95645	18015	<i>C. mollissima</i>	1932
MQ	95646	18016	<i>C. mollissima</i>	1932
MR	95647	18017	<i>C. mollissima</i>	1932
MS	95648	18018	<i>C. mollissima</i>	1932
MT	97853	19132	<i>C. mollissima</i>	1932
MU	98001	19307	<i>C. mollissima</i>	1932
MV	98002	19308	<i>C. mollissima</i>	1932
MW	98003	19309	<i>C. mollissima</i>	1932
MX	101588	23378	<i>C. mollissima</i>	1932
MY	101589	23393	<i>C. mollissima</i>	1932
MZ	101590	23379	<i>C. mollissima</i>	1932
MKO	mixed F2 of MK to MS in RANDLE NURSERY		<i>C. mollissima</i>	1934
MAA	101591	23380	<i>C. mollissima</i>	1933
MAB	101592	23381	<i>C. mollissima</i>	1933
MAC	101593	23382	<i>C. mollissima</i>	1933
MAD	101594	23383	<i>C. mollissima</i>	1933
MAE	101595	23384	<i>C. mollissima</i>	1933
MAF	101596	23392	<i>C. mollissima</i>	1933
MAG	101599	23385	<i>C. mollissima</i>	1933
MAH	101598	23386	<i>C. mollissima</i>	1933
(MAI)				
MAJ	101600	23389	<i>C. mollissima</i>	1933
MAK	101601	23390	<i>C. mollissima</i>	1933
MAL	101602			
MAM	101603	23388	<i>C. mollissima</i>	1933
MAN	101982	23898	<i>C. mollissima</i>	1933
MAO	101983	23899	<i>C. mollissima</i>	1933
MAP	101606	23395	<i>C. mollissima</i>	1933
MAQ	101690	23396	<i>C. mollissima</i>	1933
MAR	101601?	23397	<i>C. mollissima</i>	1933
MAS	101605	23398	<i>C. mollissima</i>	1933
MAT	104059	27060	<i>C. mollissima</i>	1934
MAU	104061	27062	<i>C. mollissima</i>	1934
MAV	104062	27063	<i>C. mollissima</i>	1934
MAW	104063	27065	<i>C. mollissima</i>	1934

MAX	104060	27061	<i>C. mollissima</i>	1934
MAY	108553	34096	<i>C. mollissima</i>	1935
MAZ	108554	24097	<i>C. mollissima</i>	1935
MBA	108552		<i>C. mollissima</i>	1935
MBB	113664		<i>C. mollissima</i>	1936
MBC	113665		<i>C. mollissima</i>	1936
MBD	113663		<i>C. mollissima</i>	1936
MBE	113666		<i>C. mollissima</i>	1936
MBF	113669		<i>C. mollissima</i>	1936
MBG	113667		<i>C. mollissima</i>	1936
MBH, MBJ	113668		<i>C. mollissima</i>	1936
MBK	134722		<i>C. mollissima</i>	1939
MBL	134723		<i>C. mollissima</i>	1939
MBM	134724		<i>C. mollissima</i>	1939
MBN	134725		<i>C. mollissima</i>	1939
MB0	134726		<i>C. mollissima</i>	1939
MBP	134727		<i>C. mollissima</i>	1939
MBQ	134728		<i>C. mollissima</i>	1939
MBR	134729		<i>C. mollissima</i>	1939
MBS	134730		<i>C. mollissima</i>	1939
MBT	153153		<i>C. mollissima</i>	1946
MCH	Seedlings of 78744 from CHICO		<i>C. mollissima</i>	

HA	95631		<i>C. Henryi</i>	1932
HB	95633		<i>C. Henryi</i>	1932
HC	101587		<i>C. Henryi</i>	1933
HD	104057		<i>C. Henryi</i>	1934
HE	104058		<i>C. Henryi</i>	1934
(HF)				
HG	108550		<i>C. Henryi</i>	1935
(HH – HI)				
HJ	108551		<i>C. Henryi</i>	1935
HK	113661		<i>C. Henryi</i>	1936
(HL)	128570		<i>C. Henryi</i>	1938

SA	101607		<i>C. sequinii</i>	1933
SB	104064		<i>C. sequinii</i>	1934
SC	108555		<i>C. sequinii</i>	1935
SD	112753		<i>C. sequinii</i>	1935
SE	120647		<i>C. sequinii</i>	1937

**Forest Pathology numbers and Bell planting designations.**

<u>FP#</u>	<u>Bell location</u>	<u>PI #</u>	<u>Species</u>
36	Scions, Ardaley on Hudson, NY	75416	<i>crenata</i>
40	Nuts, Little Silver, NJ	75420	<i>crenata</i>
41	W.Va		( <i>crenata</i> x <i>pumila</i> ) o.p.
41A	W.VA		( <i>dentata</i> x <i>pumila</i> ) o.p.
42	Bell, MD		( <i>crenata</i> x <i>pumila</i> ) F3
43	Seed, Girard, PA	75423	"probably" <i>mollissima</i>
44	Van Fleet, mixed hybrids, PA seed C-1		<i>mollissima</i>
45			<i>crenata</i> X <i>mollissima</i>
46			<i>crenata</i>
48			<i>crenata</i>
52			<i>crenata</i> hybrids
53	Bell		<i>mollissima</i>
54			<i>crenata</i> hybrids
55			<i>crenata</i>
56		45947 o.p.	<i>mollissima</i>
57			<i>crenata</i>
58			<i>crenata</i>
59			<i>crenata</i>
60			<i>Castanea</i> sp.
61			<i>crenata</i>
62			<i>crenata</i>
63			<i>crenata</i>
64			<i>mollissima</i>
65			<i>crenata</i>
66			<i>vesca</i>
67			<i>crenata</i>
68			<i>crenata</i>
A	Beattie #731	78024	<i>crenata</i>
A-75	Japanese x Chinese hybrid, Bell, MD		
B	Beattie #721	78014	<i>crenata</i>
C	Beattie #717	78008	<i>crenata</i>
C-1	Chinese	34517	<i>mollissima</i>
D	Beattie #749	78627	<i>crenata</i>
E	Beattie #712 & #715	78005	<i>crenata</i>
F	Beattie #760	78637	<i>crenata</i>
G	Beattie #762	78630	<i>crenata</i>
H	Beattie #772	78649	<i>crenata</i>
I	Beattie #748	78626	<i>crenata</i>
J	Beattie #761	78638	<i>crenata</i>
K	Beattie #745	78624	<i>crenata</i>
L	Beattie #740	78620	<i>crenata</i>
L-21	Chinese x Japanese hybrid, Bell, MD		

	M	no record		
	M-16	seedlings of PI#34517 from Savannah, GA		<i>mollissima</i> o.p.
	M-33			<i>alnifolia</i> X <i>mollissima</i>
	M-38			<i>japonica</i> hybrid
	N	Beattie #728	78021	<i>crenata</i>
	O	Beattie #768 1/2	78645	<i>crenata</i>
	O-7			<i>mollissima</i>
1344	O-16	OR Chinese x Japanese hybrid, Bell, MD		
	O-70			<i>mollissima</i>
	P	Beattie #757	78635	<i>crenata</i>
	P45			<i>mollissima</i>
	P72			<i>mollissima</i>
	Q	Beattie #734	78028	<i>crenata</i>
	R	Beattie #718	78009	<i>crenata</i>
	S	Beattie #753	78631	<i>crenata</i>
	S-8	Van Fleet hybrid		<i>pumila</i> X <i>crenata</i>
102	S-68	Chinese, Tree #68, Bell, MD, original Korea		
104	S-68	Beattie #61731, Yokahama Co.		<i>crenata</i>
	T	Beattie #751	78629	<i>crenata</i>
	U	Beattie #744	78623	<i>crenata</i>
	V	Beattie #736	78030	<i>crenata</i>
	W	Beattie #722	78015	<i>crenata</i>
	X	Beattie #703	78003	<i>crenata</i>
	Y	Beattie #771	78648	<i>crenata</i>
	Z	Beattie #770	78647	<i>crenata</i>
	?	Beattie #754	78632	<i>crenata</i>
	?	Beattie #767 1/2	78643	<i>crenata</i>
	AA	Beattie #763	78639	<i>crenata</i>
	AB	Beattie #89	75469	<i>crenata</i>
		Beattie #90	75470	<i>crenata</i>
		Beattie #91	75471	<i>crenata</i>
		Beattie #92	75472	<i>crenata</i>
		Beattie #93	75473	<i>crenata</i>
		Beattie #94	75474	<i>crenata</i>
		Beattie #95	75475	<i>crenata</i>
		Beattie #96	75476	<i>crenata</i>
	AC	Beattie #97	75477	<i>crenata</i>
	AD	Beattie #98	75478	<i>crenata</i>
	AE	Beattie #99	75479	<i>crenata</i>
	AF	Beattie #100	75480	<i>crenata</i>
	AG	Beattie #101	75481	<i>crenata</i>
	AH	Beattie #102	75482	<i>crenata</i>
	AI	Beattie #103	75483	<i>crenata</i>
	AJ	Beattie #104	75484	<i>crenata</i>
		Beattie #105	75485	<i>crenata</i>
		Beattie #106	75486	<i>crenata</i>

	Beattie #107	75487	<i>crenata</i>
	Beattie #108	75488	<i>crenata</i>
	Beattie #109	75489	<i>crenata</i>
	Beattie #110	75490	<i>crenata</i>
AK	Beattie #111	75491	<i>crenata</i>
AL	Beattie #112	75492	<i>crenata</i>
AM	Beattie #113	75493	<i>crenata</i>
	Beattie #114	75494	<i>crenata</i>
AN	Beattie #115	75495	<i>crenata</i>
AO	Beattie #116	75496	<i>crenata</i>
AP	Beattie #117	75497	<i>crenata</i>
AQ	Beattie #118	75498	<i>crenata</i>
AR	Beattie #119	75499	<i>crenata</i>
AS	Beattie #120	75500	<i>crenata</i>
	Beattie #121	75501	<i>crenata</i>
AT	Beattie #122	75502	<i>crenata</i>
AU	Beattie #123	75503	<i>crenata</i>
AV	Beattie #124	75504	<i>crenata</i>
AW	Beattie #125	75505	<i>crenata</i>
AX	Beattie #125	75506	<i>crenata</i>
AY	Beattie#127	75507	<i>crenata</i>
BA	Beattie #128	75508	<i>crenata</i>
BB	Beattie #758	78636	<i>crenata</i>
BC	Beattie #129	75509	<i>crenata</i>
BD	Beattie #130	78023	<i>crenata</i>
BE	Beattie #131	75511	<i>crenata</i>
BF	Beattie #132	75512	<i>crenata</i>
BG	Beattie #133	75513	<i>crenata</i>
BH	Beattie #134	75514	<i>crenata</i>
BI	Beattie #135	75515	<i>crenata</i>
BJ	Beattie #136	75516	<i>crenata</i>
BK	Beattie #137	75517	<i>crenata</i>
BL	Beattie #138	75518	<i>crenata</i>
BM	Beattie #139	75519	<i>crenata</i>
BN	Beattie #140	75520	<i>crenata</i>
BO	Beattie #141	75521	<i>crenata</i>
BP	Beattie #142	75522	<i>crenata</i>
BQ	Beattie #143	75523	<i>crenata</i>
BR	Beattie #144	75524	<i>crenata</i>
BS	Beattie #145	75525	<i>crenata</i>
BU	Beattie #208, 209, 210, 236, 244, 245, 262		
		75803	<i>crenata</i>
BV	Beattie #211, 212, 213	75804	<i>crenata</i>
BW	Beattie #226	75816	<i>crenata</i>
288 BX	Beattie #228, 229	75818	<i>crenata</i>

BY	Beattie #231	75820	<i>crenata</i>
	"Chobe" exhibited a fair in Kyoto 13 Nov 1927, received		
			third prize (prize "tag" attached) <i>crenata</i>
	Beattie #240	75820	<i>crenata</i>
BZ	Beattie #237, 238	75825	<i>crenata</i>
CC	Beattie #756	78634	<i>crenata</i>
DD	Beattie #755	78633	<i>crenata</i>
DE	Beattie #853	85767	<i>crenata</i>
DF	Beattie #854	85768	<i>crenata</i>
DG	Beattie #855	85769	<i>crenata</i>
DH	Beattie #856	85770	<i>crenata</i>
DJ	Beattie #857	85771	<i>crenata</i>
DK	Beattie #858	85772	<i>crenata</i>
DL	Beattie #859	85773	<i>crenata</i>
DM	Beattie #860	85774	<i>crenata</i>
DN	Beattie #861	85775	<i>crenata</i>
DO	Beattie #862	85776	<i>crenata</i>
DP	Beattie #863	85777	<i>crenata</i>
DQ	Beattie #864	85778	<i>crenata</i>
DR	Beattie #865	85779	<i>crenata</i>
DS	Beattie #866	85780	<i>crenata</i>
DT	Beattie #867	85781	<i>crenata</i>
DU	Beattie #868	85782	<i>crenata</i>
DV	Beattie #869	85783	<i>crenata</i>
DW	Beattie #870	85784	<i>crenata</i>
DX	Beattie #871	85785	<i>crenata</i>
DY	Beattie #872	85786	<i>crenata</i>
DZ	Beattie #873	85787	<i>crenata</i>
EE	Beattie #739	78617	<i>crenata</i>
EF	Beattie #874	85788	<i>crenata</i>
EG	Beattie #875	85789	<i>crenata</i>
EH	Beattie #876	85790	<i>crenata</i>
EJ	Beattie #877	85791	<i>crenata</i>
EK	Beattie #878	85792	<i>crenata</i>
EL	Beattie #879	85793	<i>crenata</i>
EM	Beattie #880	85794	<i>crenata</i>
EN	Beattie #881	85795	<i>crenata</i>
EO	Beattie #882	85796	<i>crenata</i>
EP	Beattie #883	85797	<i>crenata</i>
EQ	Beattie #884	85798	<i>crenata</i>
ES	Beattie #886	85801	<i>crenata</i>
ET	Beattie #888	85801	<i>crenata</i>
EU	Beattie #888b	85803	<i>crenata</i>
EV	Beattie #888c	85894	<i>crenata</i>
FA	Beattie #730	78023	<i>crenata</i>
FF	Beattie #735	78029	<i>crenata</i>

GA to GD	95576 to 95579	<i>crenata</i>
GE	98256	<i>crenata</i>
GF	98733	<i>crenata</i>
GG Beattie #732	78026	<i>crenata</i>
GH to GJ	98734 to 98736	<i>crenata</i>
GK	101705	<i>crenata</i>
GL	101704	<i>crenata</i>
GM to GT	104014 to 104021	<i>crenata</i>
GU	98733	<i>crenata</i>
GV	108815	<i>crenata</i>
GW	113678	<i>crenata</i>
GX	113677	<i>crenata</i>
GY	113676	<i>crenata</i>
GZ	113679	<i>crenata</i>
HA	95631	<i>henryi</i>
HB	95633	<i>henryi</i>
HC	101587	<i>henryi</i>
HD	104057	<i>henryi</i>
HE	104058	<i>henryi</i>
HF	113662	<i>henryi</i>
HG	108550	<i>henryi</i>
HH Beattie #724	78017	<i>crenata</i>
HJ	108551	<i>henryi</i>
HK	113661	<i>henryi</i>
HL	120646	<i>henryi</i>
HM	128570	<i>henryi</i>
II Beattie #719	78010	<i>crenata</i>
JJ Beattie #713	78006	<i>crenata</i>
Beattie #714	78007	<i>crenata</i>
KK Beattie #769	78646	<i>crenata</i>
LL Beattie #766 ½	78642	
MI	86872	<i>mollissima</i>
MJ "Mammoth"	86873	<i>crenata</i>
MK	95615	<i>mollissima</i>
ML to MS	95641 to 95648	<i>mollissima</i>
MT	97853	<i>mollissima</i>
MU to MW	98001 to 98003	<i>mollissima</i>
MX to MZ	101588 to 101590	<i>mollissima</i>
NN Beattie #766 ½	78642	<i>crenata</i>
OO Beattie #764	78640	<i>crenata</i>
PP Beattie #750	78628	<i>crenata</i>
QQ Beattie #741	78621	<i>crenata</i>
RG1		<i>crenata</i>
RR Beattie#737	78617	<i>crenata</i>
SA	101607	<i>sequinii</i>
SB	104064	<i>sequinii</i>

SC		108555	<i>seguinii</i>
SD		112753	<i>seguinii</i>
SE		120647	<i>seguinii</i>
SS	Beattie #723	78016	<i>crenata</i>
TT	Beattie #729	78011	<i>crenata</i>
UU	Beattie 704 to 711	78004	<i>crenata</i>
VA, VB		102266, 102267	<i>sativa</i>
VC		103975	<i>sativa</i>
VV	Beattie	80388	<i>Castanea sp.</i>
WW	Beattie #768	78644	<i>crenata</i>
XX	Beattie #746	78625	<i>crenata</i>
YY	Beattie #742	78622	<i>crenata</i>
ZZ	Beattie #733	78027	<i>crenata</i>
AAA	Beattie #729-	78022	<i>crenata</i>
BBB	Beattie #727	78020	<i>crenata</i>
CCC	Beattie #726	78019	<i>crenata</i>
DDD	Beattie #738	78618	<i>crenata</i>
EEE	Beattie, lost i.d., and seed picked up from previously planted Beattie <i>crenata</i> in Randle probably <i>crenata</i>		
<u>no row</u>	Beattie #703	78003	<i>crenata</i>
	Beattie #704-711	78004	<i>crenata</i>
	Beattie #712 & 715	78005	<i>crenata</i>
	Beattie #713	78006	<i>crenata</i>
	Beattie #714	78007	<i>crenata</i>
	Beattie #716-717	78008	<i>crenata</i>
	Beattie #718	78009	<i>crenata</i>
	Beattie #719	78010	<i>crenata</i>
	Beattie #720	78011	<i>crenata</i>
	Beattie #721	78012	<i>crenata</i>
ERA	Beattie #885A	85799	<i>crenata</i>
ERB	Beattie #885B	85800	<i>crenata</i>
FFF	Beattie #725	78018	<i>crenata</i>
GAA and GAB		113674 and 113675	<i>crenata</i>
MAA to MAF		101591 to 101596	<i>crenata</i>
MAG to MAL		101599 to 101604	<i>crenata</i>
MAM		101606	<i>mollissima</i>
MAN, MAO		101982, 101983	<i>mollissima</i>
MAP, MAQ		101597, 101598	<i>mollissima</i>
MAR		101601	<i>mollissima</i>
MAS		101605	<i>mollissima</i>
MAT to MAW	104059 to 101063		<i>mollissima</i>
MAX		104060	<i>mollissima</i>
MAY and MAZ		108553 and 108554	<i>mollissima</i>
MBA		108552	<i>mollissima</i>
MBB and MBC		113664 and 113665	<i>mollissima</i>
MBD		113663	<i>mollissima</i>

	MBE	113666	<i>mollissima</i>
	MBF	113669	<i>mollissima</i>
	MBG, MBJ=MBH	113667, 113668	<i>mollissima</i>
	MBK to MBS	134722 to 134730	<i>mollissima</i>
	MBT	153153	<i>mollissima</i>
	MCH	seed of PI 78744 sent to Chico, CA 1929, planted in Poplarville MS in 1931, and o.p. seedlings of those planted at Bell in row MCH	Peter Liu, 'Tiger Paw' <i>mollissima</i>
	MKO	"F2" o.p. seedlings from rows MK to MS	<i>mollissima</i>
146		Gravett #1	<i>mollissima</i> X chinquapin
147			chinquapin hybrid
188		Madison, NJ	<i>dentata</i>
355		Conroe, Texas	<i>margaretta</i>
385		<i>mollissima</i> at Bell, o.p.	
393		<i>mollissima</i> 70315 at Towaco, NJ, o.p.	
431			<i>mollissima</i> X <i>crenata</i>
432			<i>mollissima</i> X S8
530		900 lbs. nuts from Tientsin, purchased San Francisco market	<i>mollissima</i>
531		1100 lbs. of nuts, as above	<i>mollissima</i>
546		Hacketstown, NJ scions	<i>dentata</i>
555		Glendale, MD	<i>dentata</i>
564		58602 F2	<i>mollissima</i>
616		San Francisco market	<i>mollissima</i>
617		San Francisco market	<i>crenata</i>
685		Scions, (GA) R2T12 58602	<i>mollissima</i>
686		Scions, (GA) R4T11 58602	<i>mollissima</i>
687		Scions, (GA) R6T5 58602	<i>mollissima</i>
688		Scions, (GA) R8T16 58602	<i>mollissima</i>
710		San Francisco market	<i>mollissima</i>
719		58602 o.p.	<i>mollissima</i>
	1000A	Scions from F. Gravett, "Scientist's Cliff," MD may have some blight resistance	<i>dentata</i>
1170		58602 o.p.	<i>mollissima</i>
1175			<i>dentata</i>
1200		66037 o.p.	<i>mollissima</i>
1320		58602 (6 trees o.p.)	<i>mollissima</i>
1344	O-16		<i>mollissima</i> X <i>crenata</i> (?)
1346		FP 555 X PI 107832	<i>dentata</i> X <i>mollissima</i>
1349			<i>mollissima</i> X <i>mollissima</i>
1356 to 1358			o.p. <i>mollissima</i>
1445		55984	<i>mollissima</i>
1464A			<i>dentata</i>
1490			<i>crenata</i>
1498			<i>mollissima</i>
1515	L-23	<i>mollissima</i> at Bell o.p.	

1520	58602 o.p.	<i>mollissima</i>
1533	66037 o.p.	<i>mollissima</i>
2144		<i>mollissima</i> X ( <i>moll.</i> X <i>crenata</i> )
2748		<i>mollissima</i> X <i>mollissima</i>
2849		<i>mollissima</i> X <i>mollissima</i>
4046	<i>mollissima</i> F1 o.p.	
5150		( <i>mollissima</i> X <i>dentata</i> ) X <i>moll.</i>
5246	F2	<i>mollissima</i> X <i>dentata</i>
5744		[( <i>moll.</i> X <i>dent.</i> ) X <i>moll.</i> ] X <i>moll.</i>
5850		( <i>mollissima</i> X <i>dentata</i> ) X <i>moll.</i>
6450		( <i>mollissima</i> X <i>dentata</i> ) X <i>moll.</i>

**R. Kent Beattie notes (no date)**  
**Chestnut locations in China**

*Castanea mollissima* sent to the Plant Introduction Station, Bell, MD

<b>Chihli</b>	Chee-san near Chang-li, Meyer	PI 17876
	Pangshan, N.E. of Peking, Meyer	PI 44198
	Ming Tombs, Reed	PI 56392
	Anshan	PI 56393
	Shihkiachwang	PI 56396
	Wan Chia Chang, 45 li NW of Changli	PI 56761
	Fa Hua Ssu, Dorsett	PI 65619
<b>Anhwei</b>	Anking, J. Bailie	PI 44448
<b>Kiangan</b>	Nanking, J. Bailie	PI 40209
	Soochow, Ding Dong Mt. Isee	PI 58719
<b>Shantung</b>	Chiningchow, Taishan region near Tainfu,	PI 38182
	Meyer "trees badly attacked by bark disease" (Endothia, 1914)	
	Tsinan	PI 56394
	Yangchialou, N of Yihsien, Gordon	PI 58659
	Taian-hsien Kiukou, Stephens (Reisner)	PI 58719
	Chuchenghsien, Stephens (Reisner)	PI 58720
	Tang-hsien, Romig (Reisner)	PI 58721
	Yen-cheng, Romig (Reisner)	PI 58722
Pei-hsien, Romig (Reisner)	PI 58723	
<b>Chekiang</b>	Hangchow	PI 45255
	Shanyu, Shoemaker (Reisner)	PI 58724
<b>Shensi</b>	Yatzko, S. of Sianfu,	PI 40508
	Meyer "somewhat more resistant to the bark disease than ordinary Chinese chestnut, propagated by grafting"	
<b>Hupeh</b>	Hankow	PI 6530
	Ichang	PI 45947
<b>Kansu</b>	Hui-hsien, Meyer	PI 40035
	Cheng-hsein, Meyer	PI 40036
<b>Yunnan</b>	Tangyueh, Rock	PI 56130
	Shiku Valley, two days west of Likiang	PI 56488