

TO DIVISION OF PLANT EXPLORATION AND INTRODUCTION—INSPECTION HOUSE

The following material is forwarded herewith for inspection and disposition as noted below:

Material: chestnut scion wood Date 4-14-53
Container and amount: B. E. & P. Q. No. _____
1 bundle 7916 scion wood - 4 scions
Where grown: Beltsville, Md.
Furnished at request of: Floyd H. Sandt, M. R. No. 35, Easton, Pa

Shipping instructions:
Mail under frank

Project: 2-4010/3-1
Value: Experimental
Prepaid ~~collect~~

(List individual lots on back of card or separate sheets)

U. S. GOVERNMENT PRINTING OFFICE 16-9000-2

Seed mimeo. sent '44

19³¹ Shipment

East Waterford, Pa

Castanea mollissima

Quan.

No.

Conococheague Rod & Gun
Club, Perry Co., Pa.

2	M F	from supply
1	M J	from L. J.
		Leonard D. Bradley
		Hills, Md.

Remarks: J. H. Zeigler, Forest Ranger at
E. W. Pa.

4/8/31 letter from Leonard
gives route to trees.

Frank Adler,

Edison Pa.

Jap. chestnut
(FP 136)

Northern Nut Growers Assn.
contest, 1929 - - - - - 40 pts.

EDISON AUTO REPAIR

Bell Phone 270-M

FRANK ATLER

General Repairing, Accessories, etc.

EDISON, PA.

Castanea sp.

Frank Adler, Edison, Pa.

10/26/29 forwards 1 pt. of nuts, g. moldy & weeviled. Taste
5-6, size 96 per lb. Skin thick and tight. To Path.
G. H. for planting.

11/11/29 Adler writes that name of present owner of farm
is Happ & Sons of Doylestown, Pa.

✓ 4

Bucks Co.
Edison, Pa. *C. japonica*.
Tom. Kirk. (Near Farm School at Doylestown)

3 Trees. 15 to 24" D.B.H. 30-35 ft high.
Over 30 yrs. Old. Blooming profusely.
Bear over 1/2 bu. each regularly. Mr.
Kirk claims as good quality as American.
Trees resistant and in good condition.

2 Photographs.

R. C. & R. M. July 6, 1925.

(Henry Schimieder, Nat. Farm School,
Oct. 8, 1927 Request for nuts unanswered. Farm School Pa. will report.)
(over)

2.18.28 Request for seims unawared.

Elizabethtown, Pa. ✓ Weevil Memo Sent 1948
Abram S. Gish
Chestnut Ridge Farm.

"1/8/35 - "We have some large grafted chestnuts, but are always wormy."

Emmaus, Penna
Mr. H. K. Meyer
Organic Gardening

5/2/47 - 4 doz nuts of 7 P 12705 (#66037) C. mol.

Emmaus, Pa. Seed memo. sent '44 W. 1951

Victor R. Schmidt, Rb. 1
Meadow Brook Farm

Email: 1419 Walnut Street,
~~Kramer Hosiery Co.~~ Allentown, Pa.]
~~Nazareth, Pa.~~

4/4/35 - 25 FP-530 - C. mollissima

3/11/36 - 1 destroyed by high water last summer. The others doing very nicely. Sprays to kill measuring worms.

8/31/40 - Hardy, steady growth; drastically pruned last year, by cutting out leader; no evidence of blight

11/22/44 - 22 trees living, in excellent condition; 25 lbs. of nuts this year. (over)

July 1946 - 22 trees living. Trees full of blossoms
this year but no nuts; appear to be strong
and healthy.

Lawrence Co

Seed mimeo. sent '44

W-1951

Town: Enon Valley

State: Penna.

Name: Riley W. Paden

R.F.D. No. 2

Castanea mollissima

No. of Trees: 70

S.P.I. No. 58602

Date shipped: 3-31-26

See 2nd card for 1927 report.

Mar. 4-1936 - Reports 42 living trees. Only 16 have not died back to ground - all others died back but sprout.
1 tree 8 ft. high with 4 blight spots.

Only 6 trees that have kept resistant - (see letter)

9/17/43 - requested nuts (see letter to H. B. Baruch, Wyardarch, L. I. N. Y.)

9/7/44 - Has one outstanding tree ^(nuts from) which they are planting. Full of large burrs this summer

10/30/44 - Pa. Game Land management reports as just above & that he has 10-12 scrawny trees with small burrs. Other trees blighted (cover)

10/10/46 Letter unanswered.

ENON VALLEY PENN.

Riley W. Paden RFD# 2

70 pls *C. mollissima* SPI 58602 3/31/26

58 in field set 60' apart. in open field with heavy cover of weeds & blackberries. Trees matured Spring 1926. Soil light clay. Patch of woods within 100 yds containing blighted chestnut.

1. plant dead. cause? coll. Roots living. 1 plant ^(2nd from) lower end of 4th row from
2. side with stem canker at 6" - sprouting from roots, top healthy. Sprouts removed July 23, 1927.
- 1 Plant died - ^{ground hoop.} grafted but graft died. Sprout 2' high 1927

OVER

All plants exceptionally healthy +
making from $1\frac{1}{2}$ to $2\frac{1}{4}$ ft growth
each year. Some flowered 1926
none bearing.

Five miles from Evon Valley
on road to Newcastle. Turn left
at Cox's corners for about mile
turn rt. at first cross roads +
first farm ~~on left~~.

Jackson & Gill

July 1927

Lawrence Co.
58602

Castanea mollissima

Chestnut

Chinquapin

X

S.P.I.No.

Scientific Name

Common Name

A prompt reply to the following questions regarding the above-named tree will be thankfully received:

Number of trees sent.....70.....Date sent....March 31, 1926.....

Number of trees alive.....65.....Height of trees.....Largest 4 ft. 10 in.....

Have trees fruited?.....No.....Size and quality of nuts.....

Approximate location of trees on your place.....5/8 of trees set 60 ft.

orchard, four square, heavily mulched.....2 ft. last summer.

Kindly use inclosed envelope.

Knowles Ryerson,
Horticulturist in Charge.

Date.....5-23-28.....

Sign Here.....Riley W. Paden.....

Riley W. Paden.....
Experimenter

Route 2, Enon Valley, Pa.....
Address

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

DIVISION OF
FOREST PATHOLOGY

July 24, 1934.



MR. RILEY W. PADEN,
R. F. D. #2
ENON VALLEY, PA.

Dear Sir:

Dr. C. J. Nusbaum of this Division expects to make an inspection of the cooperative chestnut planting at your place sometime soon. We have found that considerable time is saved in locating a planting if we have a rough chart showing its location in relation to the different roads and towns, so it will be appreciated if you will mail us such directions for finding your planting.

Very truly yours,

G. F. Gravatt

G. F. GRAVATT,
Senior Pathologist.

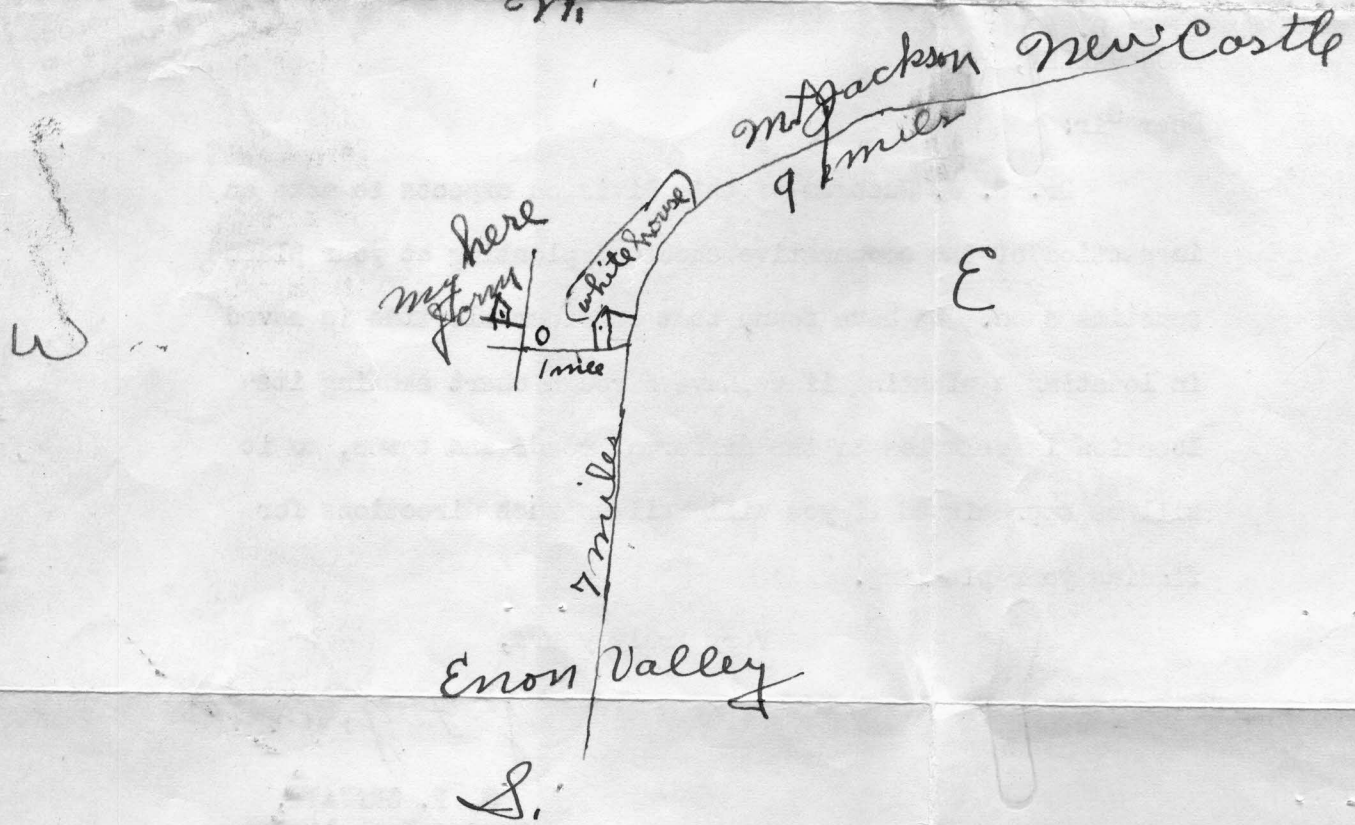
GFG:GM.

Reply on opposite side

Mr. G. F. Gravatt,

Dear Sir, = my chestnut planting is becoming more of a failure each year, as the blight keeps killing them to the ground, and many die, a few are growing & bearing nuts some of large size. I have decided to raise young trees from largest nuts & most resisted trees.

M.



Yours truly
Riley W. Paden

Town: Erie, Pa.
Owner: O Ho F. Behrend
Address:
Caretaker:
Address:

CASTANEA mollissima
FPI No. 70315 or Origin:
Number of trees: 150 (1929)
If several trees, make separate
cards for each, using this outline.

Age: Ht.: DBH: Nuts: Quan.: Size: Qual.:
C. B. present: Location: Age of cankers:
Description:

Other pathological symptoms:

Average twig growth preceding year: this year:
Site and growing conditions poor fair good

REMARKS

3/23/31 - Three died in 1930. See chart attached
9/25/31 - Trees bearing this year; requesting nuts 9/30/31
10/29/31 - Rec'd 2 nuts, qual. 7, diam. ① 7/8" x 7/8" ② 1" x 1"
10/17/33 - Rec'd ~~1/2~~ nuts; lost only 1 tree during past year. FP. 515.
Noted by: Date

(On reverse side sketch location of trees and number (over) each 1, 2, 3 etc.)

Oct. 1943 Behrend sent nuts apparently from one or more trees of 70315; forwarded to Reed: very attractive, light cherry, almost no down, heavily striped, cleans superbly to not so well; very sweet A-. Tree no. not known.

1931 Shipment

Eric Pa.

Dr. Otto F. Behrend
C/o Hammermill
Paper Co.

Castanea mollissima

Quan.

No.

12

MI

Remarks:

4/6/31 - Ack receipt of trees

11/6/40 Sample undesignated received:
Tipped by Bill moll. appear to clean perfectly but too dry to taste.

O.F.S.

1948 - sent in samples of chest nut crop, which is small this year. Rasing 2 or 3 trees every winter

4/26/49 - Soil is clay. S.F.S. suggested his local Co. agr to advise the kind of fertilization

8/3/49 - Sells all available nuts to one nursery

Seed mimeo. sent '44

3/22

W-1951

Eric, Penna.

1933 Shipment

Mr. Baker's on farm

Castanea mollissima

Quan.

No.

11 MI

Dr. Otto F. Behrend
c/o Hammamill Paper Co.

Remarks:

4/11/33 - Receipt ack. Entered
on chart.

F.P. 508 - 12 nuts ^{10/4/33}. G. F. G.
wrote for number of tree.
2 to Reed, bal to greenhouse.

10/6/45 - Using Sulphate
of ammonia 5# per tree,
as fertilizer.

1933 record of nuts produced is attached.

8/31/34 Lumped by Neumann - See file (over)

8/7/1946 - Only 40# nuts
last year; less this year.

11/19/36 - Box 56 1/2 lb. nuts

6# ammonia nitrate
per tree last yr.

1/8/45 - Last chest. crop was 965#, 512# in 1943.

8/29/45 - Crop a complete failure, prob. due to cold spring

July 1946 - 123 trees living now. Crops as follows.

1940 - 178 #

1941 - 349

1942 - 433

1943 - 512

1944 - 972

1945 - 40

} no weevils.

} Last 2 winters so severe that trees have suffered. Occasionally some branches become blighted.

11/7/47 - Crop this year 940#, last year 217#. Trees again given bone meal, 10# per tree. Many trees not bearing yet. Most of this year's crop went for seed, a local nursery is planting them.

ERIE, PA.

Dr. Otto F. Behrend

4/10/36

25 MAA & 25 FP462 *Castanea mollissima*

- 10/2/38 - no weevils or other worms
10/24/38 - Crop 110 lbs. this year. No trees lost
10/27/38 - no weevils
10/4/39 - 33 nuts received 60 p.p. to Reed.
Reed: Gap? in appearance, light bright cherry, attractive, too small, clean perfectly sweet. C.T.
11/4/1940 - an early freeze ruined crop of nuts; only a few nuts sent to Washington
10/6/43 - Last winter very severe (-19°), lost 8 trees. Nuts perfect, not wormy.

Nut Production in 1933

Row 1		Row 2		Row 3		Row 4	
Tree	Nuts	Tree	Nuts	Tree	Nuts	Tree	Nuts
3.	6.	10	2	3	55	3	39
8	65	25	2.	5	33 ^x	10	38
9	41			8	85	19.	58 X
16.	30.			27	26.		

Row 5	
Tree	Nuts
4	26
18	36
19	38

x 1st shipment
x x 2nd shipment

Otto H Behrend.
Erie, Pa.

Eric, Penna.

Mr. Otto F Behrend

8/7/51 - No weevil trouble.

8/28/51 - Very small nut crop. Local nursery
paid \$1.00 lb.

Chart of Chestnut trees, 70315.
 on Asbury Farm. Planted 1929.
 Asbury Road. Millcreek Township.
 Erie Co. Erie Pa.
 Mr G. Schmidt Erie Pa.
 Owner
 Red to be mI shipped 1933.



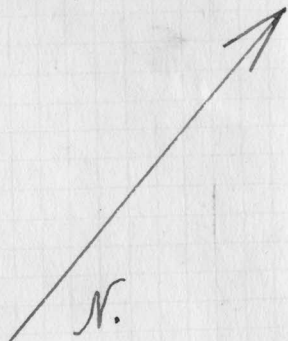
Nut ratings of nuts
 Per Clapper.
 Row 5 tree 27: medium
 " 4 " 28: medium
 " 3 " 24: medium
 " 2 " 16: medium
 " 1 " 19: medium
 nut.

6 nut in 1933

Row 1	✓	✓	3	✓	5	✓	7	8	9	10	11	12	13	14	15	16	17	18	19	✓	21	22	23	24	25
Row 2	1	2	3	4	✓	6	7	✓	9	10	11	12	✓	14	15	16	17	18	19	20	21	22	23	24	25
Row 3	1	✓	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Row 4	1	2	3	4	5	6	7	✓	9	10	11	12	13	✓	15	16	17	18	19	20	21	22	23	24	25
Row 5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

Tree
 Row

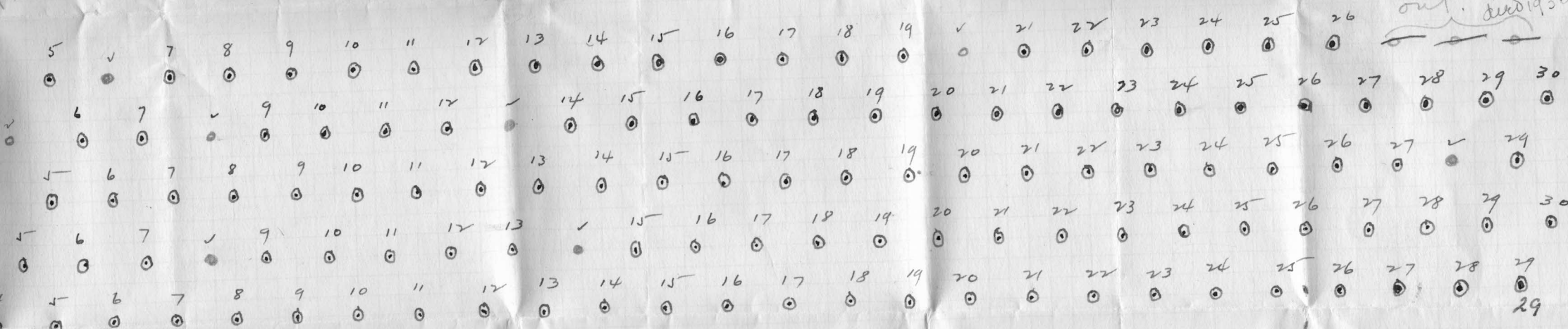
70315.
 Planted 1929.
 Millbrook Township
 Erie Co. Erie Pa.
 Erie Pa.
 Gipped 1933.



Nut ratings of nuts sent to F.P. in 1934
 Per Clapper.

- Row 5 tree 27: medium size, cleans poorly, flavor nil.
- " 4 " 28: medium small, cleans poor, flavor nil.
- " 3 " 24: medium smalls, cleans fair, flavor nil.
- " 2 " 16: medium small, cleans poor, little flavor.
- " 1 " 19: medium size, cleans poor, flavor nil.

33



Trees 18 ft apart
 Rows do.

attempt to plot all varieties

Erie, Pa.

Ross Pier Wright 235 West 6th St. ^{Phone.} 58-201.
Reed Mfg. Co. 1425 West 8th St. 22-261.

- 4/7/38 - ✓ 5FP-492 Everblooming "
- ✓ 20 FP-500 Mall x S-8
- ✓ 10 O-16 Special Bell hybrid
- ✓ 10 O-36 do
- ✓ 10 C-1 C. mollissima
- ✓ 10 MAV do

2/19/38 - Obtained 25 lbs of C. mol. seed from
Yokohama Nursery Co. 318137 at 5¢ per lb.

6/2/38 - Y. Nur. Co. advises seed came from
Central part of Korea, a section called "Heiryō"

Erie, Pa.

Ross Pier Wright
Reed Mfg. Co.

4/12/37
Trees sent last
winter seem
to be in good shape
over

- 4/13/37 - ✓ 20 FP-617 C. crenata
- ✓ 25 FP-432 C. mol. ~~x~~ hybrids
- ✓ 8 O-16 do
- ✓ 65 FP-386 do
- ✓ 15 L-27 do.

Map in file

3/7/38 - ✓ 10 #66037

✓ 10 71027 } C. mollissima from
✓ 10 71028 } Chico, Calif. ^{over}
✓ 10 76010 }

4/1/37 - Mr. Wright advises he received in 1936

✓ 20 m F

✓ 20 m I

✓ 20 m R

✓ 20 m m

✓ 20 m n

c. mol.

They were shipped
to Westfield, N.Y.
See card in my
file.

Eric, Pa.

Ross Piers Wright
Reed Mfg. Co

4/4/38 - ✓ 50 FP-634 C. mol x S-8
✓ 25 FP-636 C. crenata
✓ 50 FP-679 C. Karaisensis
✓ 10 MBH
✓ 10 MBG
✓ 10 MBH
✓ 10 MBE
✓ 10 MBF
✓ 10 MBJ
✓ 10 FP-710
✓ 10 FP-617 C. crenata.

C. mollissima

Eric, Pa.

Ross Piers Wright
Reed Mfg. Co.

3/14/38 - ✓ 25 FP-616 C. mollissima
4/2/38 - ✓ 10 MAX
✓ 10 MAW
✓ 10 MAU
✓ 10 MAT
✓ 10 FP-530
✓ 10 FP-531
10 FP-616

C. mollissima

Eric, Pa.

Ross Piers Wright
Reed Mfg. Co.

4/4/38 - ✓ 25 C-1 C. mollissima
✓ 25 FP-499 do
✓ 50 FP-497 C. crenata
✓ 100 FP-498 C. mol. hybrid
✓ 75 S-8 Orchard Jap hybrid
✓ 75 S-8 Bell do
✓ 10 O-36 Jap-chinquapin hybrid
✓ 50 O-16 C. mol. hybrid
✓ 25 RB-1 do
✓ 100 FP-496 Mixed varieties

Wright -

Reed Mfg. Co. Erie, Pa.

- 9/29/44 Nuts from 1st tree (large) in No. 6,
and from 2nd tree (small) in No. 6: nuts
small, coffee brown, some sap blood present?
- 4/1/37 The castana small plants that
were sent arrived rather late
and a few were lost.
- 4/2/37 Wright sent in a list of enclosed
nut trees. The numbers in front
of the trees refer to the location

Cie, Pa.

Cass Erie Wright

- 4/11/38 The large shipment of
trees arrived.
- 4/3/38-70 Castanea Moll were
planted today and named yesterday.
The trees were in good shape
and good condition. The trees
were from Wooster
- | | |
|---------|-----|
| F.P. | 492 |
| 20 F.P. | 500 |
| 10 | 0/6 |
| 10 | 0/1 |
| 10 | 036 |
| 10 | MA4 |

7/27/38 Mr. Wright enclosed a list
of trees that the Dept. of Ag. & allus
have sent him. He also sent
in a blue print of the location
of different trees.

4/22/38. The 40 trees from China & the
10 trees from Savana have turned
up and have been planted

10/26/44 Richard Wright sent in a
tabulation chart showing maturity
of chestnut trees. (No significant
difference in maturity of mollesima
strains at Beel, all of them turn color &
lose their leaves at about the same
time. (A.B.C.)

Crow, Pa

Ross Pine Knigh.

9/5/44 - Mr. Knight didn't receive
as much of a crop as he
expected. The orchard has not
received as much attention as
it should have in the last
few years.

6/20/44 - Mr. Knight reported on F.P. 617
The trees seem to be in very good
shape and bearing very large
nuts. He also sent in some lumber
with hail injury on them.

7/23/45 Mr. Wright reports that
some of the trees are affected
by blight.

10/21/46 Most of the trees are not
of an upright habit. They seem
to have eight or two trunks as
they are "Y" shaped.

9/16/46 The chestnuts are expected
to ripen around the middle of
October.

Erie, Pa.

Ross Pirr Wright
Reed Mfg. Co.

- 1/15/40 - General report on all trees in file
- 6/24/40 - 2 quarts of nuts last year, Trees 100% alive
- 7/25/40 - Majority of trees have blossomed
- 11/13/43 - 2-page letter in file reporting on his plantings.
- July 1946 - 65-70% living. See letter 7/23/46 for details.
- 9/30/46 - Samples from a small tree, 15 ft high bore 6 to 7 # nuts. Letter to him from SFS 10/1/46 - Nuts a bit small for commercial use

Erie, Pa.

W-1951

Charles B. Berst
11 West 8th St.

- 2/27/50 - He has Nanjing, Conn. Yankee, abundance, Zimmerman, Conrad Conrad 2 growing, also 1000 or more seedlings
- 8/15/51 - Has 500 seedlings grown from seed from Fayette Etter near Carlisle, Pa. to be used for stock in grafting, also several hundred seedlings from Fairview Evergreen nurseries & a few named varieties from Sunny Ridge

Erie, Pa.

1933 Shipment

C. H. Fischer
316 W. 9th St

Castanea mollissima	
Quan.	No.
20	MF
5	MF

Remarks:

7/11/33 - chart in file. 2 dead

No reply to our letter of 2/21/36

C. H. Fischer
316 West 9th St.,
Erie, Pa.

3/23/33:

20 MI *C. mollissima*
5 MF "

See Envelope.

Erie

Penn.

100 SPI 61835 *C. mollissima*

H. R. Spencer, Sec'y-Treas.
Erie Enameling Co.

4/15/27

19th + Wash. Pl.

On grub road at 8 mi. signpost, 1/4 mi. south
of road beside Walnut Creek.

27 vigorous

10 poor condition

7 canker

5 dead.

1 killed by canker.

50

These are surrounded by
native chestnut. Soil light,
sandy. Clay adjacent to
stream.

- Gill & Jackson July 1927.

H. E. Schabacker, 212 Lincoln Ave., employed by above
firm, has 2 *mollissimas*, probably from above lot.
1934 see lot. file C. f. n.

(over)

5/11/36 - 63 of the 100 are alive + flourishing. In many instances the original shoot was dead but sprouts are coming off from the roots. Only 3 or 4 are over 8 ft. high. They have no trimming or cultivation.

July 1946 - 40 of these trees living + producing nuts.

Erie Co.

x

61835

Castanea mollissima

Chestnut

S.P.I.No.

Scientific Name

Common Name

A prompt reply to the following questions regarding the tree above named will be thankfully received:

Number of trees alive. 78...Height of trees. 24" up to 40".....

Have trees fruited? No.....Size and quality of nuts.....

Approximate location of trees on your place. upper field by creek.....

Kindly use inclosed envelope.

over

Knowles Ryerson,
Horticulturist in Charge.

Date... 5-16-28..

Sign here.....

H. R. Spencer

H. R. Spencer
Experimenter

Erie, Penn.

Address

Mr. H. R. Spencer,
Erie, Pennsylvania.

This orchard stood the winter very well. Several
appear to have resisted the blight successfully.
Less than 100 were planted, I guess about 90, and 77 are
thriving; one is doubtful. HRS

Seed mimeo. sent '44

ERIE, PA.

H. R. Spencer

Erie Enameling Co.

4/15/36 ✓

25 MAP, 25 MAQ, 25 MAR, and 25 MAS *Castanea mollissima*

Sept. 1936 - 11 MAP alive } Drought vary
6 MAR " } map in file
13 MAS " }
17 MAQ " }

4/9/37 - 20 FP-385 - *C. mollissima*
✓ 20 S-8 hybrid
10 FP-432 *C. mol* x S-8

1/15/40 - Has had very little luck with them; planted
100 in what he thought was favorable site
but only 1/4 survived & they die back to ground.
None higher than 4 feet. (over)

About 2 yrs ago 100 were planted in good clay soil; 12 survive + 25 still sending up shoots. One successful tree of the first planting; and he gave one seedling to a friend who planted it in his garden and it is now 20-25 ft. high + bearing.

9/27/44 - First planting made 15 mi out in country + due to gas + tire shortage can't report. A few years ago produced not over 10# of nuts. Plantings made closer home (about 100 trees): 20 trees living now with only 14 nuts this fall.

Erie, Penna

H. R. Spencer

Erie Enameling Co.

July 1946 - 40 trees of first planting, 10 of second, and 6 of third are living. Land has been sold, but doesn't give name of new owner.