

Rec March 15th

Very truly
JOHN GILL, President.

No. 1209.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J., 3/12 1870

My dear Dr

Thy letter of 8th came duly
to hand, I enclose herewith all the
Ammaniac I have, I do not know that
it was found in very great abundance,
and has not been seen for some time

Yes, pods of Catalpa came, hope to get
herb. sp. of flowers & leaves next year.
I have been very much engaged this winter
& accomplished but little botanically,
but I will be ready for the fields again
when they are ready for me.

All are well in these parts so far
as I know, hope to hear now and
then from my friend.

Yrs
I. Martindale



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MISSOURI
BOTANICAL
GARDEN

Rec^d Sept 18th
Ans _____ 19th

JOHN GILL, President

ISRAEL W. HEWLINGS, Vice President.

ISAAC C. MARTINDALE, Cashier.

National State Bank

1. the account form also h^l p^l 52
2. a letter Cass Camden, N.J. Sep 15th 1873

3. ~~obscure~~
Geo Engelman.

Yours of 11th rec^d this
A.M. I enclose 3 parcels numbered 1, 2, & 3.
No 1. I take it is the true *gronovii*
from Eastern Penna, where I have been
familiar with it for 10 years past and
have never noticed any material difference.
No 2 is from near Camden, and appears
ly identical with No 1 the flowers ~~are~~
all 5 parted, and like No 1, seems to prefer
smaller plants, and of finer forms, growing
on Impatiens, Polygonums, & some of the
smaller Compositae. No 3. seems to be
of different habit somewhat, growing over
shrubs the Coarser Compositae and in
one or two instances on the bark and
low branches of the willows that border
the stream, all that I can find is
within reach of tide-water the flowers



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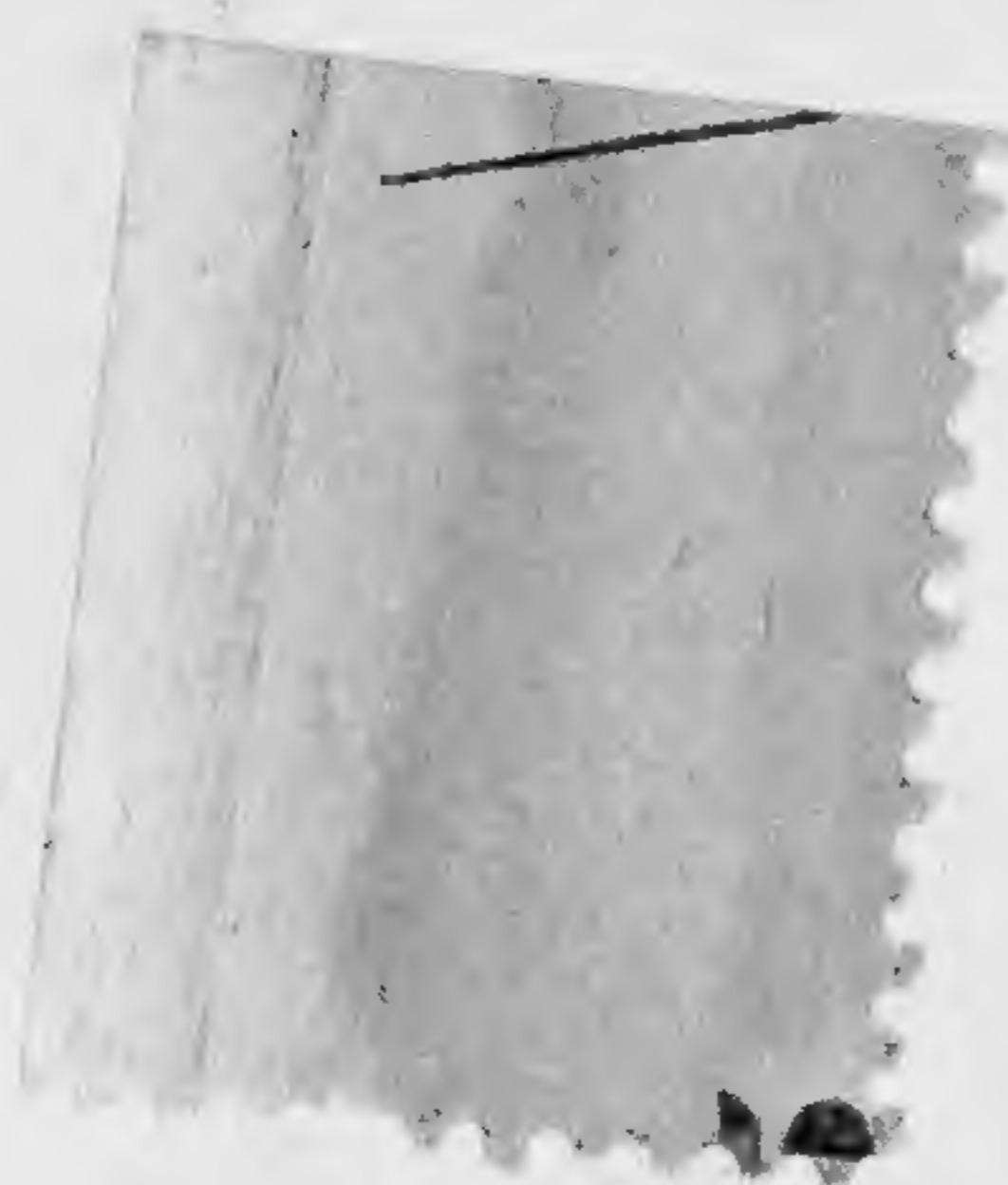


MISSOURI
BOTANICAL
GARDEN

are as you say indiscriminately 4 or 5
parted, much smaller than either
No 1 or 2. Some of the fruit is perfectly
globose, some of it flattened as in the
specimens you send, and none that
I can find so marked umbonate as
either of the others enclosed. I have
never seen the North eastern form from
Connecticut described in Gray with 4-
parted flowers. It may prove to be
only a form, perhaps a variety,
but do you not think it too far away
to be the true Gronovii?

Respectfully
J. C. Martindale

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GEORGE ENGELMANN PAPERS



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JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank

Recd Oct 13th

Ans — 28

Camden, N. J. Oct 9 1873

J. G. Engelman

I enclose herewith some more specimens of *C. Gronovii* apart of them being in the diseased state, I went yesterday about 14 miles to get it, and found most of that form disappearing, owing doubtless to the lateness of the season. I have sent some plants to Prof. A. Peck Albany N. Y. having understood he is authority on such things, and will inform you, as he reports; in regard to the mould you say was on your plants it must have been formed in transition in the box, as the whole surface is smooth and shining when packed, it may nevertheless belong to the spores, and the packing and carrying facilitate the production of the plant in that condition



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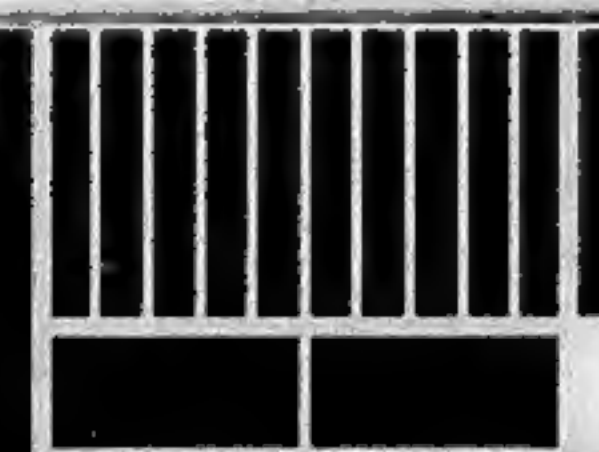
MISSOURI
BOTANICAL
GARDEN

The only locality I have found this
state is in a low piece of ground.
Some iron in the soil very swampy
and pools of stagnant water, I think
the whole fruiting is larger than I
have been accustomed to see in this
section of *C. Gronovii*, is it identical
with what you had previously seen, as
you say you had found in that state
before.

I learn that you have prepared
some sets of fungus, are they all
disposed of? My collection is still
meagre as well as in other orders, any
^{duplicate} plants you may have I should be
glad to receive, if I can furnish you
with anything as an offset.

Respectfully
Isaac Mattindale

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Rec^d Nov 5th

JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

Martindale
National State Bank

Camden, N. J. Nov 3 1873

Dear Friend:

Your letter of 28 just rec^d.
also your fungus, etc. please accept
my thanks therefore I will endeavor to
furnish you with some of our plants
in return, if you are in want of any
special plants please designate, if I have
no spec. will endeavor in the future, to
serve you. W. Parker is one of the best
botanists in this part of the State and
has a very large private collection, he
has a great drawback in failing eyesight
still we journey together very much, and
I lend him my eyes, so to speak, when
occasion requires. I collected some Isoetes
near Toms River along the Coast. intending to
send to you, but it seems to have been
mislaid at present. I am just now
engaged in rearranging my collection



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and will endeavor to find the spec.
If you will write me what you want
I will endeavor to collect

Respectfully
Isaac C. Martindale

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MISSOURI
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JOHN GILL, President,
ISAAC C. MARTINDALE, Cashier. }

National State Bank

Rec'd Dec 11 ¹⁴

Jan — 26

Camden, N. J. Dec. 11 1873

Geo Engelmann

I have put up a package of plants to send by Express, they are such as I happen to have duplicates of most of them belonging to this section of the Country. I add to them a specimen or more as I have of all the Juncus collected here, ^{by me} and have retained a specimen of each, I would be glad if you would examine them and return me the labels with the correct names. I have numbered the labels that I can identify them if returned, or if more convenient send me if you please their names on a sheet according to their order commencing with No 1. — I hope you may find among the lot something of interest.



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please inform of their arrival
if safe or otherwise, also, as I
find in Gray's Manual, in description
of *Isobetes lacustris* for instance macrospores
(0".32 - 0".38 wide) is that $\frac{32}{100}$ & $\frac{38}{100}$ of
an inch or of a line equal to $\frac{32}{1200}$ &
 $\frac{38}{1200}$ of an inch, if the latter is then a
micrometer that measures on that scale.
Please let me hear from you

Respectfully

Isaac Martindale

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JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J. $\frac{7}{3}$ 1876

Dr. Geo Engelman

I notice you have been making some observations on the fungus on the grape. I have in my yard an "Ives" which for 3 years past loses its leaves in the latter part of summer by their withering away, considerably in advance of the leaves on "Hartford prolific" or "Concord" growing in close proximity. I have noticed the black spots on the veins on the under side for some time, and have queried if this was the cause. Is it a fungus? and by what name is it known?

Respy

I. Martindale



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[Faint, illegible handwriting]

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ISRAEL W. HEULINGS, Vice-President.

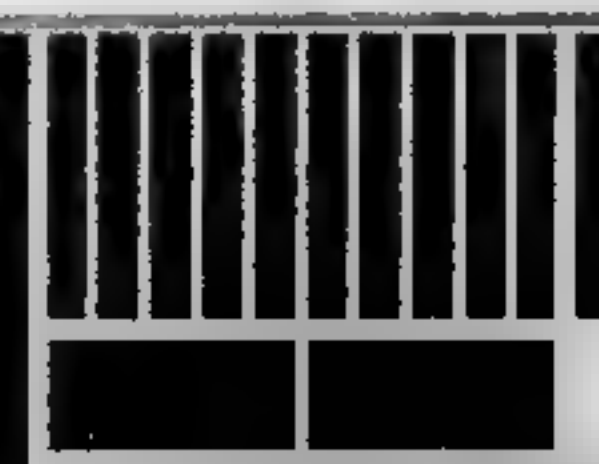
ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J. 7/11 1876

G. Engelmann

Postal recd, Am glad to have my own judgment confirmed, on the *Ospentic* *Bulgaria*, having compared it with your figures in the Pacific R.R. Reports. I could not see that it could be otherwise than *O. Bulgaria*. I have never collected any other here. This grows on a sandy knoll near Haddonfield N. J. about 8 miles from Camden, Not abundant, but occurs here and there over the space of an acre or two, I have never had an opportunity to examine the specimens from the sea coast which are said to be *Rafinesquina*, I spoke to Mehan last Tuesday at the Academy of Nat Sciences Phila, that I had what I believed was the true *O. Bulgaria* & that I had sent it to you for confirmation, he said his plant was *O. Rafinesquina*, I will go out and get another plant for Mehan. There is no doubt about its being a native, It is growing on a piece of land owned by our President John Gill, who tells me it has been there twenty five years or more



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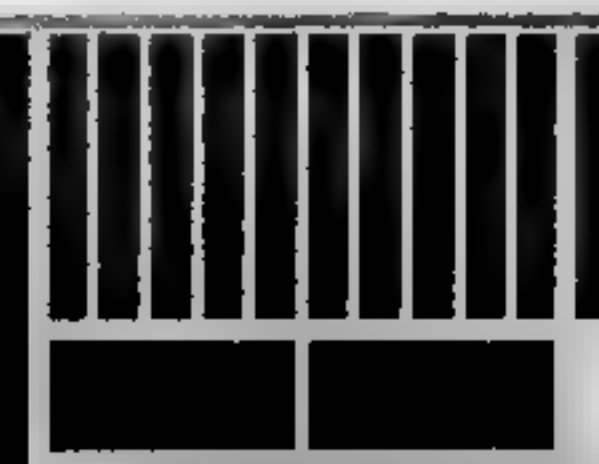


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GARDEN

to his knowledge; if there was some
way of making decent specimens
for an herbarium out of the plant
I would be better satisfied

Georg J. Martindale

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JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

No. 10 30

ISAAC C. MARTINDALE, Cashier.

to No. 2

National State Bank,

Camden, N. J. $\frac{10}{28}$ 1876

Geo Engelmann

I send by Express today a package of plants about 50 species mostly collected on our Ballast grounds, some of which may be new to you, from this country. I would be obliged if you will examine them at your leisure, and let me know if any inaccuracies are found, the Euphorbias, - *pegetalis* & *helioscopia* were quite abundant this year, I hope your eastern trip was an enjoyable one to you, I was to have piloted Dr. Casey to Woodbury yesterday for *Quercus heterophylla*, but somehow he "missed fire."

Resp

I. C. Martindale



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Rec May 11th

JOHN GILL, President

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

The National State Bank of Camden.

Camden, N. J.

5/8

1877

My dear Dr Engelmann —

Your letter of 28th came duly to hand, I had it on my mind, to go down to the hybrids? when I thought they were in the right condition for you, remembering the conversation with you last fall, on their formation, and yet I felt a sense of fear to go down, for I had heard the stuff of wood had been sold and the trees were nearly all cut down, but I nevertheless concluded to risk it, so went down, and found to my great delight the woodman's axe had not been laid at the roots of our trees. They are still standing. How long they will remain is uncertain I hope long enough to let me get a good lot of acorns in the fall. You ask how to designate the locality. "on the West Jersey Rail Road, near Park Station about 6 1/2 miles from Camden New Jersey." (I can vouch for the distance for I had to walk it facing a cold North East Storm) I send you a box by express to-day. The different layers marked so you can understand them. I kept the 4 marked trees all separate some of the branches you will see bear the marks of where we cut off specimens last fall. I also enclose *Quercus* *Phellos* which seems to be a very different thing entirely, also *Q. falcata*, which comes nearer but is evidently distinct. If this *bitesophylla* proves to be a hybrid it is much nearer *falcata* than *phellos* both in fruit and foliage. I would be glad to know your opinion when you come to judgment on them.

I send you in abundance as I may not be able to get any more, if the balance of the woodland is cleared off.

I have received from Egger, a large lot of specimens, I wrote to him a few days ago in regard to a specimen sent as *Corydalis flavula*, there has been some confusion between it and *aurea*, but Gray's last edition makes them distinct I think his plant is *aurea*, and asked him to submit the



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The matter to you; the aurea is not found here
that I know of, but I have been told somebody picked up
a plant on the Ballast ground a few years ago that was
pronounced aurea. Have you ever collected flavula near
St. Louis? Please let me know if the box reaches
you safely

RF

Isaac Martindale

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MISSOURI
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Rec July 18

No. 1209.

JOHN GILL, President,

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier,

National State Bank,

Camden, N. J. 7/16 1877

My dear Dr Engelman

Just arrived home
from a weeks stay at Cambridge, lovely place,
- good company, had a fine time, Met Dr Hooker
Gray, Goddard, Sargent, Watson, Fallow, Parry, & Dr
Meehan not yet returned, would like to
see your hybrid *Nacturtiums*, the typical
specimens are better enough without any mix-
ture. Think you are wrong about postage
I have received several packages all labeled
by mail, and referred the matter to our post
Master, he said some change in their regulations
made it allowable to send them so, hence of
late I send anything up to 4 lbs weight in
that way, if anybody is wrong it is the fault
of our post Master who told me how to send them

Yours
I. C. Martindale



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MISSOURI
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No. 1209.

JOHN GILL, President,

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier,

Rec'd Oct 31
am Nov 15

National State Bank,

Camden, N. J. ¹⁰/₂₉ 1877

My dear Dr. Engelmann

I send by express to day a package for you, of oaks coll. this year, a goodly supply of heterophylla; if as I'm afraid, the wood will all be cut away this winter, we will not be able to get any more. I enclose herewith a numbered list to correspond with the labels with the specimens will you please note them any remarks relative to the specimens or alterations of names if there be any. and return said list to me again. I collected near here about (4 miles away) *Pinus serotina* a short time ago, now regarded I believe only a variety of *rigida*. You remember Pursh recorded it from New Jersey, but later Michaux said confined to the Maritime districts of the Southern States. There was a little clump of 4 trees within 10 yards of each other. *Pinus rigida* leaves as usual 2 to 3 inches long. *P. serotina*



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with leaves 6 to 8 inches long. *P. inops*
common hereabouts, and *Pinus mitis*
now very rare in New Jersey. I do not know
where to find another tree, *Mitis* had but one
cone, *perotina* but two or three, *rigida* a few
and *inops* an abundance.

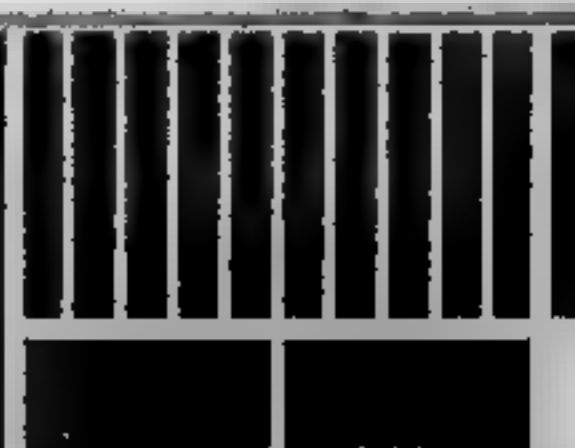
Will be pleased to hear from you soon.

R. J.

J. C. Matindle

P.S. I have duplicates of all the specimens
sent. and have numbered them so as to
identify with the list.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



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No. 1209.

JOHN GILL, President,

ISRAEL W. HEULINGS, Vice-President.

Rec Nov 26

ISAAC C. MARTINDALE, Cashier,

Nov 27

National State Bank,

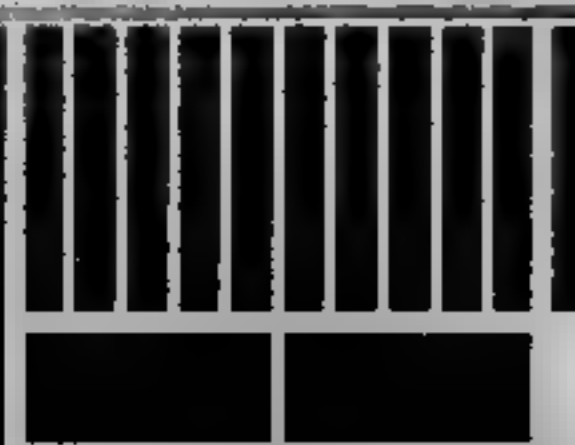
Camden, N. J.

11/23

1877

My dear Dr. Engelman

Yours of 15th recd, thanks
for your criticisms, as regard *Therapsylla*
I am confident the specimens I sent you were
correctly numbered, Mr Parker was with me
at the time, and he says there can be no mistake
about them, every parcel was placed in separate
bundles and marked them and these 1, 2, 3, 4
have been kept separate ever since and no
body laid a finger to them except myself.
So there is no possible doubt of a mixing
up. I thought you were right in Nos 1 & 2
growing together, but to be sure of it I went
down to the locality yesterday to make assurance
doubly sure, the marks are on all the trees
yet and you are right in the position of
their growth, the woodmans axe has been
at work about 10 yards off and these trees must
soon go down I fear.



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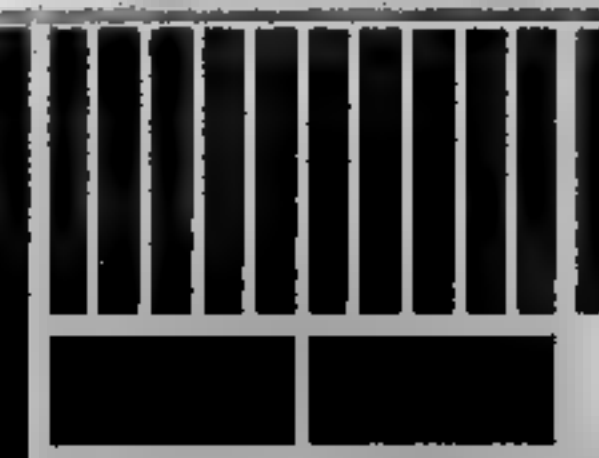
Now about *Pinus serotina*, that it
is not a good species I concur, the
length of leaf is marked however, the
shape of the cone differs somewhat, and
I enclose herewith some of the seeds the
difference is not very great, in them
the color of the wing is peculiar, yes the
cones of *rejida*, *inops*, *mitis*, and
the so called *serotina* all have opened
for me, I send by this mail some
shellbacks, "*Microcarpa*" I don't know
and cannot find *dulcata* I am not
sure of ^{this period} in the box No 1 I take
to be *C. tomentosa*, No 2 has just been
sent to me as *C. tomentosa* var *Maxima*, it
is "as large as an apple" sure enough, No
3 I have just recd. also from Eastern Penna
as *dulcata*, but is it anything more
than *alba*, I would be obliged if you
can "open" them a little to my under-
standing, particularly Nos 2 and 3. —

MISSOURI BOTANICAL GARDEN
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Ref

Isaac M. Martindale

I happen to have on my table some Schizae
fruits which I thought you might have use for
J. C.



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MISSOURI
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GARDEN

Dec 3^d
Am Sunday

JOHN GILL, President,

No. 1209.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier,

National State Bank,

Camden, N. J. 11/30 1877

My dear Dr Engelmann

Yours recd, but I'm
a little non-plussed, you say the
Caryas I sent you were probably all
rightly named, unfortunately I did not
keep a copy of the letter I wrote you
hence cannot tell just how I sent them,
but my impression is that I called
No 1. *C. Tomentosa* No 2 *C. Tomentosa*
var Maxima & No 3 *C. Luteata*, does
this correspond with your judgment, excuse
me for re-troubling you again, but my omission
to copy your letter I wrote seems to require it.
I will keep a watch over the oaks, the trees
if allowed to stand, the stumps if they must be
cut down, and await developments for next
year.



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I will write to Mrs. Schott in regard to her husband's collection, but I can tell very little about it unless I had a list of species, it is probable I have most of the plants (Canby would have more than I) and there is not telling what shape they are in whether eaten by insects or how they look, and the price they fix what of that, at any rate I will write her and retain the letter to you to till I hear from her

MISSOURI

GEORGE ENGELMANN PAPERS

Yours as ever

Isaac Martindale

P.S. I have found a lot of *Pinus mitis* as handsome trees as ever mortal eyes looked up at, a few cones of this year setting, still fewer of last year now just perfect, but an abundance of old ones which probably discharged their seed last year, and the cones still remaining in the trees empty, does this periodicity run through pines as I hear farmers say apple trees bear only in abundance every 2 or 3 years, I have so written to Dargent, that there is very little hope, sent him 3 cones however don't know what next year will do for those trees either, they are evidently on the wane and no new ones coming on even from the abundance of seed that must have been emptied out of the cones last year.

JCM



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Recd March 21st

No. 1209.

JOHN GILL, President,

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier,

National State Bank,

Camden, N. J. 3/19 1878

My dear Dr Engelman

I am in receipt
of the volume of the Transactions con-
taining your article on Yucca.
for which please accept my sincere
thanks, —

I have a dozen or so species
of plants that I want to send you
as soon as I can get them together
to have you name them as far as
you can,

Any service I can do you please
command me

I
I. Martindale



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recd July 31
am J.C.

No. 1209.

JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J., 7/29 1878

My dear Dr.

Your Card requesting me to look after *Prunus Maritima* has been attended to, I send by this mail a package. *Prunus Americana* in flower, I have never collected it in fruit. *Prunus Maritima* in flower & fruit from ^{19 miles from Camden on the C. & A. R.R.} Atco, N. J. both from same shrub, also in fruit from Cape May & Atlantic City where friend Bush says it is very abundant. please advise me if they reach you safely.

I am trying my utmost to arrange my business so as to get to the St. Louis by next month, and join in the proposed Colorado trip, do you contemplate taking the Colorado trip with the party? Meekon expects



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to go he tells me, Canby not —
Redfield undecided.

Hope to have the pleasure of meeting
you should I get on.

Yours
S. C. Martin date

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Recd Sept 28th
Ans 7 - 1878

No. 1209.

JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

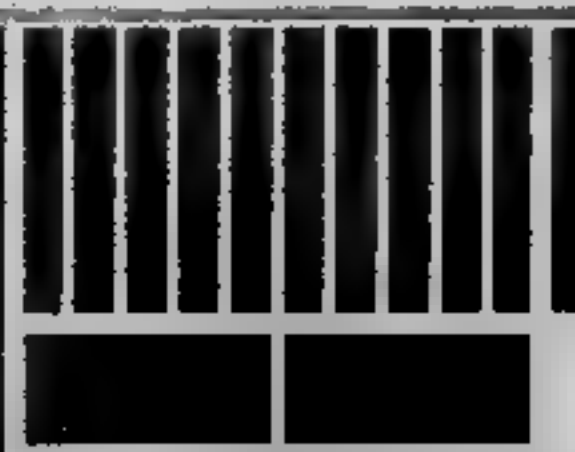
Camden, N. J., 9/26 1878

My dear Dr Englemann

Arrived home safely
having had a delightful excursion into
Colorado. I collected the enclosed while
on the way; can you speak for them—
No 1. Collected at Idaho Spring also at Boulder
^{Echin. ~~sp~~}
No 2. ^{Cercocarpus} in Glen Spring near the Garden
of the Gods.
No 3. ^{Op. missouriensis} Same locality as No 2. This seems
as if it might be a seedling plant
of *Opuntia Missouriensis*, I have occasionally
seen here seedlings of *O. Rafinesquii* taking this
terete form.

Please report by numbers, and I will be
able to identify.

Yesterday I went to Woodbury to look
after our oaks, thinking to get a quantity



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of account of L. H. Knap, and Co;
everything gone, the marked trees all
cut and hauled away could not even
find the stumps with certainty. The
strip on the opposite side of the road
too is being all grubbed over and
cleared up. I am sorry it is so; in
a search through the woods surrounding
there I failed to find any other trees.

Do you remember a plant in Shaw's garden
labeled *Boltonia asteroides*, that we were looking
at, it was just coming into flower, Mr. Merrill
has sent me some of the seeds, it is a curious
thing so far I cannot make anything out of it.
B. asteroides is an uncertain plant.

Hope your wife has returned with improved
health, and yourself rejuvenated.

Respectfully
J. M. Coulter

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



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MISSOURI
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Recd May 12th
and — 26

No. 1209.

JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J., 5/10 1879

My dear Sir

A long time has elapsed since we have had any direct correspondence, so I am prompted to renew it in another way. Please favor me with an Exchange of Photos, to fill up my line

Respectfully

I. Martindale

P.S. I have frequently to recur to our pleasant sojourn at St Louis last year. —

I.C.M.



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Herb. No. 1234

Botanical Notes

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Rec Oct 20

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ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J.,

10/18

1879

My dear Dr —

Thanks for paper on California Flora and I am glad to know of an improved condition, a change is beneficial, I found it so last year when I went to Colorado, and I feel the need of it this year when I cannot get away. I send by Express today a box, prepaid. — on top is the New Jersey coll. I dried them all and have named them, thinking it might save some work in comparing. I think it was a full day work, about 24 species more perhaps than my young eyes would see. What is the species of *Cuscuta*, I never saw it down there. The *Ordus* that we went over at my house, I have fastened down as I have concluded to do so with my coll. after they are all studied, and as I desire to fasten down the Oaks to prevent the acorns getting away, I have taken the liberty of sending them out,



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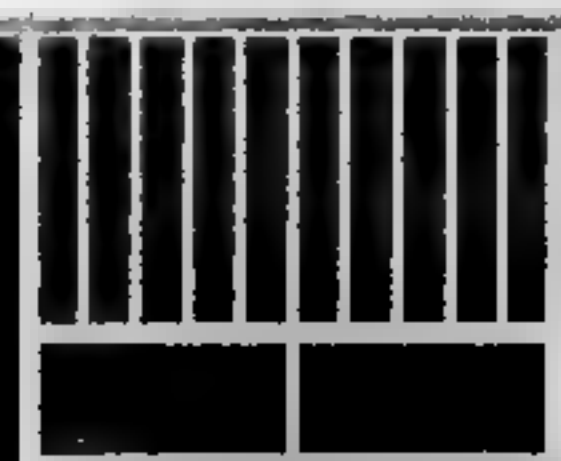
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for thee to run over, and see if they are correct
a few are not named, the same have I done
with *Arceuthobium* etc. It will be seen that I
am poorly supplied with the California Oaks,
If thou can fill up any of the vacancies I would
be greatly obliged. Thy suggestion to send a
list of the Numbers of the Lindheimer coll.
not named, I have considered, and have thought
it would be less bother for thee to see the
specimens instead, I have therefore included
it in the box, with the others, I am in
no hurry for the return of these, look over
them at convenience, and when through
send back by Express, at my expense,
I put in all the oaks I have, even those
there can be no question about, as I preferred
to keep them all in the order (alphabetic)
that I had them in. Spent day before yes-
terday with Mehan at his home, all well
there, as well as our Phila friends gener-
ally, Carby was up a few days ago, looking
as well as ever. — I learn Palmer is
off to Mexico again after the good things,

Prof

J. Masten

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Rec Nov 8
Am Nov 23

No. 1209.

JOHN GILL, President.





ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J., $\frac{11}{6}$ 1879

My dear Dr

The boy not yet come to hand, but I suppose will be here ere long. I send by this mail, a spec of *Quercus heterophylla* from Mt Holly, which is all straight, I also send a specimen from Andalusia, the new locality I wrote about, the leaves are true heterophylla but what about the acorns, in size and shape unlike any I have seen, note the tip of one  and the other  running nearly to a point (conical), again look at the base of the acorn of the Andalusia spec  and the base of the Woodbury  the projection corresponding with a depression in the cup. Again the Andalusia spec, how remarkably striate with dark lines the acorn, and mostly smooth & shining, the ^{Woodbury} heterophylla retains its tomentum till maturity, I hope the way will be open one of these days to give heterophylla



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a specific rank, where it seems to me
it ought to go. I find in *Proceed. of Acad
of Nat Sci.* many years ago an account of a
tree in Burlington Co^a ^{by Buckley} which is doubtless the
same as my *McHally* one. How about this
Andalusia concern? —

What was the *Cuscuta* coll. at *Inaker Bridge*?

R. P.

J. Martindale

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Rec Nov 15

No. 1209.

JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J., 11/13 1879

My dear Do

The box & package reached me a day or two ago, last eve I just got the things out, and find them all returned in good order, and I'm greatly obliged for thy labors, as now I will fasten them down, so that there will be no loose acorns to get mixed, &c. *Tinetoria* is to be restored to a species then is it, & *obtusiloba* becomes *stellata*? I had a letter from Dr Barber not long since he had not left Columbia then. I am also obliged for the specimens of oaks & *Isotria*; in going over my spec. I find wanting a number which I enclose mem. Should any of these come in that thou can spare a specimen for me, I would be glad to fill up. The Japan plants are a great accession to me as most of them were new



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to my coll. and the literature I suppose
very much scattered at present, I await
with interest the closing vol of California Bot.
and the completion of Gray's synoptical flora.

Perhaps Egbert might hunt up the hybrid
oaks about St Louis I would be glad to
pay him usual price, I have had a
good many of his plants, and like to en-
comage such as he in good work.

Anything I can do at this end please
command me

Isr

Isaac Martindele

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Nov Dec 11
By No. Dec 13
JOHN GILL, President.

No. 1209.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J., ¹²/₁₉ 1879

Resp Friend

Thanks for notes on the Margin
of my paper, where needful will use them
as explanatory, but; — please read
over the last of the quotation on Oaks —
"One of its parents is undoubtedly *Phellos* for the
other we must look among the lobe leaved Black
oaks — *falcata rubra* or *coarctata*, while the
sometimes falcate lobes &c point to the first,
(*falcata*) its frequency in those localities to the
second (*rubra*) we find the texture &c
intermediate between *Phellos tinctoria* & quite
different from the other two species, and thus
come to the conclusion that the former (*Phellos*
and *falcata*) must be the parents. This word
"former" surely refers to *Phellos* & *falcata*, if it had
been "latter" then it would have meant,
Phellos & *tinctoria*. This is the interpretation



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The Philadelphians have put upon it.
How about it?

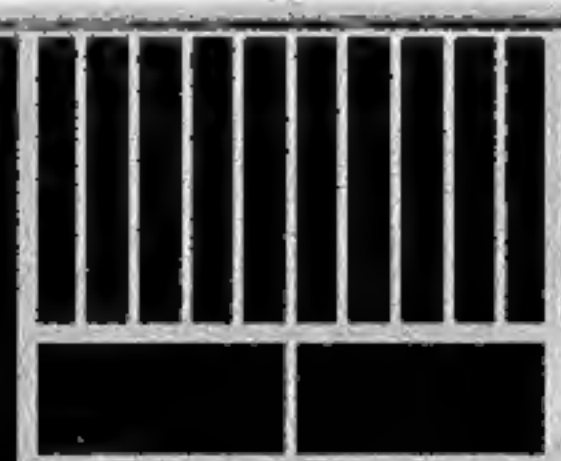
Of course "Hybridity" is a possibility as I understand it, and when two parents unite, and a hybrid is produced, just that possibility would be likely to make another union & another hybrid, whenever the two parents are near enough to be brought in contact, not necessarily that these "hybrids" will be exactly alike for we have the knowledge that they will not; - alike in kind, not in quality some favoring one more than the other, as nutrition or growth force impels; some children favor one parent & some the other owing to immediate causes. We never shall know how the first acorn of *L. heterophylla* came, but the fact that the 2 & 3- generations are just like the parent, and examples being found in distant places, like that same parent, and though at places some distances remote still like each other, ought to be an evidence of specific rank. At any rate that is my view of the case. If my view of the quoted above is correct, I would like to put in () after the word former "latter?" that it might read "and thus come to the conclusion that the former (latter?) must be the parents". That others may not fall into the same error as myself.

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Isf

Isaac Martindale

P.S. I enclose postage on ret'd Mss.



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MISSOURI
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Rec April 15

No. 1209.

Am

16
JOHN GILL, President.

ISRAEL W. HEULINGS, Vice-President.

ISAAC C. MARTINDALE, Cashier.

National State Bank,

Camden, N. J., 4/13 1882

Dear Friend

The receipt of thy valuable paper on *Loebes*, yesterday, satisfies me thy mind is active although the length of years may make a halting step. — In looking over my *Loebes* I was pleased to find I had so complete a collection, there are one or two species and some of the varieties wanting. I concluded I would just send the whole out to thee which I have done by Express to day, perhaps they may conclude some of the varieties are there, and how about Nowells & Springes colln may they be *L. Bonellii*? I purchased the whole coll of Regel, last year a great mass, there speaks of no spec. of his species, named by Shuttleworth, now being known here, the only *Loebes* I have yet found among his plants is the European unless it be found in some bundles of unnamed things, I have had no time to overhaul, but it is quite likely to be none.



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If you should perchance have a spec
of any of the ones not in my package I
would be glad to have the gaps filled, In
the New Zealand species I think there is one
with 4 spec. should they not have, and
desires a spec. take it off the sheets.
I laid in an oak fern^s and a couple of
Juncus does she know them.

Return by Express at my expense when
done with them.

Yours
Lea Martindale

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