

Chattanooga Railway Company.

1886

Pass Mr. Jno. Means, President,
Ashland, Coal & Iron Railway Co.
Until Dec. 31st. 1886 unless otherwise ordered.

No. 635

Jay H. Northrup
RECEIVED & GEN. MGR.

CONDITIONS.

1886.

THIS FREE TICKET IS NOT TRANSFERABLE, and the Person accepting it assumes all risk of accidents, and expressly agrees that the Company shall not be liable, under any circumstances, whether by negligence by their Agents, or otherwise, for any injury to the person, or for any loss or injury to the property of the Passenger using the Ticket.

If presented by any other Person than the individual named thereon, the Conductor will take up this Ticket and collect fare.

JOHN MEANS.

Ashland, Ky., 4th Jan., 1886

Miss M. H. Means

Kilsey House New York City

Dear Maggie

Herewith please

find proxy which sign on the line with
the word "Seal" and return to me soon

The meeting comes Tuesday 12th instant.

All well, With kind regards to
Martha and daughter

Yours truly

John Means

JOHN MEANS.

Ashland, Ky., 5th. Jan'y, 1886

Mr E. C. Means

Man Int Technology, Boston Mass.

Dear brother

Herewith find draft
on N.Y. F.N. Bank One hundred (\$100⁰⁰) indorsed
to your order, as requested in yours to
Lew. Bessie, Rose, and Harry left yesterday
for Leanti. Berie goes to buy furniture &c
for house keeping. ^{Berie} Will come back here
with Rose this week. All well

Affectionately yours

John Means

The freshmen have their exhibition drill tomorrow I have a ticket but will not attend as I have an engagement with Cousin Jim to go out photographing. We will probably take the pictures of some buildings in the vicinity of the Peck that are noted for their fine architecture.

Last Saturday we secured several fine negatives of the shapes but have not had any prints taken from them as yet. One day this week Harv. Woodward came in to see my apparatus and while here I took his picture.

There was not enough light and it was not a success.

As it is time to study I must close - with love to all the family - your aff. son E. C. Mead

Remembers me to Miss Walker Roberts

Boston, Mass;

Jan. 8th 1886

Dear Father:

Your letter was received today containing a draft on a New York Bank for One Hundred Dollars (\$100), for which I thank you very much as my bank or my pocket book as some would call it was nearly empty.

We had our last ~~exam~~ ^{lecture} in Surveying this afternoon it was principally on the calculation of areas. Our course in surveying for the miners is very limited, our field work was only about 30 hours in duration and we have only plotted one field

and part of a creek
along which we meandered.

The first was a chain
survey and the second was
a compass survey. Next
term we are to have
8 hours a week for 5 weeks
but as it will be about
the last of March and the
whole of April you can
judge of how much time
we will be able to spend
out of doors. The idea
seems to be that we are
to be made metallurgists
and not mining engineers.

If you will consult the
catalogue you will see
the course of study which
I have chosen for next
term. It is the regular
second year, second term,
of course III with a substi-
tution of assaying for physics

also taking the 3rd option -

I studied Physics at
Marietta so I substitute
assaying for that. I take
option 3 because it suits
me best. Surveying, Chemistry
and Phys. Geography (required
to study Geology next year),
mineralogy & Blow Pipe analysis,

Shop work will be dropped
because I will not have
the time for it. Chemical
Analysis will continue as
before.

I hope this
course will suit your tastes,
it is quite near to being
the regular course with the
exception of the Physics and
the special Chemical Analysis.

The regulars do not have
as much iron and other blast
furnace materials and products
to analyse as I shall by
being a special -

Some of the rich men drive
horses that trot under 2' 30"
and they usually go beyond
the places where the most
sleighs are and race all
afternoon -

Examinations require me to
close this letter -

Respects to all the bankers &
their families

from Yours aff E. C. M. S.

Uncle Cooke

Boston, Mass.

January 17th 1886

Dear Sister:

You must forgive
my delay in answering your
last letter but I have had
so much writing and other
work to perform in relation
to my school duties that I
have fallen behind in my
correspondence. You and
Will remembered me very
kindly at Christmas time and
I am very sorry that I
had not heard that you
were going to keep house so
that I could have sent you
something useful - Euchre
parties are "coming in" again
so you can make that box
useful at least -

Our examinations commenced last week and will continue through this one, after which we will have 8 days vacation -

A rather short vacation but much better than none at all -

Snow knee-deep last week and now a decided thaw so you can imagine the condition of our streets, the sidewalks are dry but the crossings are over your shoe tops with slush -

The home folks have written of your trip to Cincinnati to buy furniture and of your taking Mother's bureau and that you are searching the house to find what ever you could claim as yours. That is right, get all you can and keep all you get and your eccentricities will pay, you bet! - So saith that Goodwin on the stage -

Will might go down home and get some of that picket fence his father showed me with so much pride when he spoke of its being Will's handiwork -

How large a house are you going to live in? Are the rooms large or small? You always preferred large rooms so I suppose you will have them -

The Bostonians have had great sport sleighing for the last weeks and it would do your heart good (you are so fond of sleighing) to see some of the pretty teams & sleighs, barges etc. The barges are boats upon runners and look very pretty painted in bright colors. Every person who goes sleighing drives over to the mile race and it becomes thronged with thousands of sleighs - They race a good deal -

TELEPHONE, 128-3.

P. O. BOX 1386,

SCOTT A. SMITH, Treasurer.

PROVIDENCE OIL WORKS,

(Formerly Smith & Poland,)

11 DORRANCE STREET WHARF.

[1886]

Providence, R. I., JAN. 24 1888

IN REPLY TO YOURS

OF

DEAR COOKE.

WELL, I AM GLAD THAT THE SEMIES ARE AGAIN A THING OF THE PAST. I HAD ONLY FIVE THIS TIME BUT THEY REQUIRED PLENTY OF GRINDING. MOORE, WHO, AS YOU MAY KNOW, WAS ON THE ASHLAND FURNACE A PART OF LAST YEAR, AND I PREPARED SOME TOGETHER.

POOR DEAR PROFESSOR DROWN SAID THAT HE HAD BEEN SO SADLY OVER-WORKED THIS YEAR THAT HE WOULD HAVE TO TAKE A TRIP TO BERMUDA AND BACK. IN ORDER TO GET STARTED EARLY, HE CALLED IN OUR REPORTS 10 DAYS SOONER THAN I EXPECTED. I HAD JUST 2 DAYS IN WHICH TO PREPARE THEM AND THE CONSEQUENCE WAS, THAT I HAD TO STAY UP TWO ENTIRE NIGHTS. OF COURSE THIS LEFT ME IN FINE CONDITION FOR THE EXAMINATION THE NEXT DAY.

DO YOU REMEMBER MY TELLING YOU ABOUT THE GAS FREEZING AT 25 YARMOUTH IN '85 & '86? IT FROZE AGAIN THIS YEAR THE NIGHT BEFORE

THE RELATIVE ACCURACY OF THE DIFFERENT METHODS OF CARBON DETERMINATIONS IN IRON AND STEEL.

THE LAST WEEK OF THE TERM I ANALYZED YOUR FLUE DUST. IT DOES NOT ADD UP TO 100% , AS I DID NOT HAVE TIME TO FINISH THE MAGNESIUM BUT THERE WAS VERY LITTLE OF IT. THERE IS PRESENT IN ALL PROBABILITY SOME ALKALIES FROM THE COKE AND LIME STONE. WHEN I GET BACK I WILL FINISH THE MAGNESIUM AND GET OUT THE ALKALIES. THE RESULTS ARE - SILICA 2.410% , 2.461% , ALUMINUM OXIDE .228% , .270% , FERROUS OXIDE 1.270% , METALLIC IRON 1.142% . MANGANESE TETROXIDE 3.60% 3.573% . ZINC OXIDE 87.660% . METALLIC ZINC IS 70.260% , CALCIUM OXIDE 1.850% . PHOSPHORIC ACID .701% . SULPHUR TRI-OXIDE .493% . LOSS ON IGNITION .640% . THE WHOLE ADDS TO 98.952% .

I COMMENCED THIS LETTER, WHEN I FIRST GOT HOME BUT FINISH IT THE LAST DAY OF THE VACATION. ALWAYS DURING THESE SHORT VACATIONS I AM MOST INFERNALLY LAZY AND THIS HAS BEEN NO EXCEPTION TO THE RULE. THIS EXPLAINS MY USING A TYPE WRITER, AS UNDER NO OTHER CONDITION WOULD I USE IT IN CORRESPONDING.

I AM MOST GLAD THAT THIS DARN VACATION IS OVER AND I MOST HEARTILY WISH THAT I HAD SPENT IT IN BOSTON . I HAD SET GREAT STORE BY THIS VACATION BUT SHE HAD A MOST INFERNAL INVITATION FROM BROOKLIN, WHICH HAD TO BE ACCEPTED. SO THE ONLY CHANCE I HAD TO SEE HER WAS AT THE

Cincinnati Ohio.

93 E. 3rd St Jan 2nd 1886

John Means

Ashland Ky - Dear Father. When I left you I went directly to Mr Collins. The young ladies were not in but they came in after a little while and I had a very nice call on Miss Ossie Moore & Miss Stella. ^{Today} ^(Presbyterian Church) I went down to the Third & I hear Mr Hopkins. he seemed to be a very good preacher. & if it was so far a way I might go often to hear him. To night I called on Uncle Simon he said that he was just ^{feeling} terrible & night the others were well, and were out on Mt Auburn at Judge Tafts so that I did not see them.

I wish that you would send me thirty (\$30.00) Dollars to pay my board

bills, as I have not paid my room
rent for the month that will be up
next week. also my next two weeks
board which will be due then or
about that time. Tell Rose Mother &
Tom that I have not yet heard from
home except by you and Mrs Russell
& that I would like to have a letter
from some one of them soon, so that
it won't seem that they have forgotten
me entirely.

I am well. Love all.

Your Son.

Harold Means.

Mr Brad and William
you very truly for in-laws
they want some more
quins last week than ever
before and the deposits
have been greater-

Charleston N. Va
Jan 26th 1886.

Mr Marshall
has been ~~very~~
much ~~interested~~
in our country tonight

Dear Father

We are just
taking a little rest after
our "Kettle-drum" and I will
take the opportunity to write
a little letter before anyone
comes in and I believe five
gentlemen are coming to call
tonight. The Kettle-drum
was from two to five and
about 10 ladies were invited
and we think about 50 were
here but we have not counted
them yet. They came with
their carriages some of them
and all in strict costume and

all wore their hats and gloves
some their wraps, and
they went to the dining room
very soon after they came in,
and we had coffee, chocolate
cake and ice cream and fruit
for refreshments, and they were
very nice and we had some
very pretty plants and flowers
in the living room. The
Ladies only stayed a short
time and it was quite a
new and nice reception.

Mrs. Loshorn lives just across
the street and her black
girl Gilly has just been over
and said she had heard all
about it and Mrs. M. asked her
how and she said two ladies
had been over there to call
and "they oh-ed and ah-ed
and ah-ed and oh-ed and thought
it one of the nicest things they
had ever seen in Charleston."

(2)
It was the first one
I think it would be very nice
for us to have something
if we can get as good waiters
as they had here.

We are having a lovely visit
and are rather gay and
are sorry that Pether has
to go home so soon as she will
miss so many entertainments.
Last night we went to the
Opera House to see Montezuma
and it was quite good,
and tomorrow night we are
invited to Mrs. St. Aubrey's and
Mrs. M. thinks it will be a large
party and wants us to wear our
evening dresses, and Fri. night
it is to be an "Ophelia" "Mother Love"
and it is to be in the Hall and
the Episcopal Ladies will have
refreshments there, and Miss Kate
Hard will entertain us either

Mon. or Sat. and the young
man talked of an entertainment
at the Rink for us, but we do
not know when we can get
in as we have not savings
enough, if we come home the
first of next week. I received
a letter from Ed. ^{today} and she
could not say definitely what
day she would come to A-
we can not say what day
we will have her yet.

I am sorry we did not get
to see you the morning we
left, but we did not really
know whether you came or not.

We will look for a letter from
you some time soon.

All of the family are well.
Mrs. Gill and Bess both have
colds, we will move up there when
they are not well, find up yet
as the man disappointed them about
straightening their harbor capst and they

[Form 7 C C.]

Correct

MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

Boston, January 28, 1886.

MR.

J. C. Means -

DEAR SIR :

Your record, as shown by the recent SEMI-ANNUAL examinations, is as follows :

H. Passed with honor in

C. Passed with credit in

*German - Surveying
Metallurgy - Forging -*

P. Passed in

Analytic Chem -

L. Passed with low standing in

D. Work incomplete in

F. Failed to pass in

FF. Failed utterly in

Respectfully yours,

[OVER.]

James P. Munroe Secretary.

NOTE. In subjects classed under H, the record of the student is very good indeed.

A record of C in any subject admits the student to any department or subsequent study dependent thereon.

On any subject classed under P the record of the student may or may not be clear according to his general standing and to the professional importance of the subject.

A record of L does not condition the student but warns him that his work is not satisfactory and that more individual study is expected.

In the subjects classed under D, the student's work in the laboratory or drawing-room is satisfactory so far as he has gone, but more work will be required to make his record clear.

The student is conditioned in subjects classed under the heading F. Conditions incurred in January must be made up in May; conditions incurred in May must be made up in September. Failure to make up a condition at the appointed time renders one a special student.

In regard to any subjects classed under the heading FF, the student cannot continue in these studies, nor in any others depending upon them.

and board, clothes etc - Please
send it as soon as possible -
I hope that Low Moor will pay
a large dividend this year
and for many more to come -

The temperature is much lower
here than it was in New York
and there has been a heavy fall
of snow so that sleighing is
very fine -

The boys are going on a big
sleigh ride Friday night and
if I feel rich enough after
I have purchased all my
books I think that perhaps
I shall join the party - They
are going out as far as Lexington
eat supper, and then return -

Am quite well and feel
much refreshed by the trip
With love to all and yourself

Your affection
E. C. M.

P.S. Remember me to Messrs Roberts & Walker -

and 5th

Boston Mass:

Feb. 4th 1886

Dear Father:

Vacation has passed
and the routine of school
duties is again upon us -

The visit to New York afforded
me a great deal of pleasure
and it was with much regret
that I returned to Boston -

One week allows but little
time to see New York when
a person visits out on
Long Island -

Found Lily looking well
and happy, Mr. Smith was
much better than he was last
winter and is able to attend
to business to some extent -

Mr. Maynard was well and

as busy as usual.

Mrs. Nichols & Mrs. Smith were both looking quite well -

Willie has increased his weight by about 25-lbs over that of last winter and looks nearly as young as his brother - Harry has grown considerable and is a very pleasant young man -

Saw Aunt Maggie and took lunch & dinner with her at her boarding house - The weather was so unpleasant that we ^(Aunt & I) did not go out any more than to see Aunt Martha & family - We planned to go several places but the weather was so stormy and walking so bad that I did ~~like~~ not like to have Aunt Mag go out just to show the Central Park and other outdoor sights which can see later -

I called on Aunt Martha & family several times. She is looking quite well & fleshy, but the girls look thinner than when I last saw them - Patti has grown very much and is a great novel reader, she is not attending school this winter and does little besides reading - Her mother praises and pets her as formerly -

Called on Mr. Frank Lyman and spent a very pleasant hour with him. He gave me some good advice concerning my course of study at the Tech. And told me some big iron news - Said he should like to sell the Hamilton iron if it was same grade as Ashland. You will be in New York soon I heard, so I want to ask you to send me \$15.00 before you go. This will be needed for tuition

JOHN MEANS.

Ashland, Ky., 4th May, 1886

Miss Margaret A. Means,
No 98 Fifth Avenue, New York, City.

My Dear Maggie

Mary was in to day and
asked me to send you money. I have written
fixed draft incurred payable to your order
Two hundred (\$200) dollars. The fire stand
came in good time and is very nice.
Did not know how plain my old one
was until put one from you beside
it, when we soon hustled the old
one into the garbage. Rose is making
a visit to Berie, she expected to come
home this week, has been gone two, but
writes that they are having such a pleas-
ant time, she will stay another week
if we can spare her. Have a big
snow on the ground Mer at 7° this
morn and only 13° at Noon, so
Hat stays close to the fire, and
amuses herself looking over pictures of

places and things seen in her travels.
Saw Jerry Blake Tuesday looking
well as usual —

Dryden Hampton has been quite
ill, but is better.

Expect to reach N. Y. Tuesday
16th morning, attend some meeting
Wednesday, and must probably
leave for home Thursday or Friday

Affectionately yours
John Mease

Have you after made up to Jay
but have not thought it worth
while to send them to you, as
you only spend a part of your
income

Mr John Means
Ashland Ky

98 East Third St
Cincinnati Feb 8. 86

Dear Father.

Mother's
and Hildreth's letters with Rose's and
Cooke enclosed ~~was~~^{are} received in one
envelope on Friday I was very glad
to hear from them as I had no
letters from Rose since she left
and not one for three weeks from
Cooke. I was in Mr Mack's office
yesterday noon. Mr Eaton who
had just returned from Ashland
said that you or Cousin Doug
expected to be in the city & attend the
College Club on Thursday. If you come
I wish that you would bring me
twenty five ^(32.50) Dollars. If you do not
come, please send it as you like
others that you send me.

Thursday night I went over to see Collins
to call on Miss Minnie Moore who is stay-
ing with Stella Collins and had a little
for her as I did for Deuse the night that
you left. she had gone to hear Sam Jones
and Deuse to hear Mary Anderson. I waited
till she came home back which was about half
past nine. and I staid some little after
she came back and had a very fine call.
She came down here last Tuesday and will
leave for home tomorrow. Yesterday I took
my dinner with Eva at Mr. Seaton on
the hill. and my tea with Mr & Mrs
Winslow. it was my first call on the
Winslows. I found only Mr & Mrs W at
home. ^{the boys} John & Howard had gone out.
so I did not see them. I heard
Mr Sam Jones last Monday night
and liked him right well, better
than I thought I would, and I might
hear him again this week, this
is his week in the City unless

he can be prevailed on to stay a
while longer. I heard
a very interesting lecture on the
subject of Natural Gas by Prof. Ostrom
the State Geologist. ^{can see if you} you ^{not} have seen it
suppose the synopsis of it in Saturday
paper. he was a nice speaker. and
he handled his subject in a very
able manner, and he kept the atten-
tion of his audience through out the lecture.
I have heard Mary Anderson several
times during the past week end.
think think that she is a fine actress
and a pretty lady.

Hoping to see you here at the College
club this week. Love Dall. Sam will

remain Your Son
Harold Thomas

JOHN MEANS.

Ashland, Ky., 7th May, 1886

Mr. E. C. Means

Care Mass, Inst, Technology, Boston, Mass.

Dear Sir

I had just gotten to bottom of page on the other sheet, when Henry came for me to go to dinner. At the house found yours of 4th inst. Herewith find draft One hundred and fifty (\$150⁰⁰) as requested. Glad you enjoyed your visit to Lily. How had letter from her since you left.

Expect Aunt Maggie will come home with me. Tom Adams is still at Athens. Probably Frank Symon could advise you better than I could as to your course of study, as he has been later at that work, and in a course more like yours than I had in Marietta. Tom has had a sty on one of his eyes and has made much as much of it as if he had a

baby. The river is filled
with ice and navigation
suspended. Her last week
12° below zero, with snow
Tuesday and Wednesday 2nd & 3rd
Some sleighing but not very
good — — Roberts and Walker
well,

Affectionately yours
John Meany

JOHN MEANS.

Ashland, Ky., 8th May, 1886

Dear brother

My recollection is at fault as to when
my last to you was written. And just what has
happened since - The Norton blew in 15th Jan'y
Houghton in charge but he drank so much
and was so little as Mr Russell discharged
him, and on the 25th, L. P. Perin took
charge. P. is a young man about 25 to 27
years of age, with about as much experience
as Walker, when he came here. It is true he
has had one furnace a few months before
he came here; the little F. below Charleston
W. Va. near St Albans. He is a "Harvard man".
Has done very well so far at the Norton.
They hang along on 95 to 96 machines, and
it seems must teach boys to feed
before they will have men to run any
more machines. The Ashland F. had
been slipping a little for sometime
back and on the 4th made a big one
throwing Bell and Hopper out of place

also a large amount of Coal and on
out - Cleaned up and started 6th, on
afternoon of 7th another big slip
about 10 A.M. - We will take
three days out dead to clear up and
start - and we got out five bricks
in cinder, the living evidently
coming. We begin to throw her off
to day as the quickest way to get
out. If we find the inner living all
right we shall be blowing again.
If that is gone much will put in a
lining and I think we have been
ready. Can't tell before Wednesday 10th
how much we may have to do.

You will remember we fired her
up in 1882 diameter 17 feet, blowed
about a month and found her too
too big. blew out, and put in a lining
of 9" brick inside of the 17 feet. We hope
that only this inner 9 inches is all that
has given way. —

Rose has not gotten back from
her visit to Barr yet - I expect to
leave for Durham 13th - spend Sunday
there and be in N.Y. 17th

I am recovering from a severe cold, very similar to the one I carried home from Virginia last summer. Have only missed one-half day of school work and as it is the first cold for the winter. I do not feel worried about it.

I hope that you did not take any on your trip to N.Y.

How large a dividend did Low Moor declare?

Is Mr. Shelding in good health? Remember me to Mr. Walker & Mr. Roberts.

With love to all the family
Yours aff son
E. C. Means.

Aud
H. B. and (12th)

Boston, Mass.
Feb. 21st 1886

Dear Father:

Your letter containing draft on New York Bank for one hundred & fifty dollars (\$150.) was received week before last. I thank you very much for it.

The report of my term's work was sent to Ashland but unfortunately was addressed to me and forwarded to New York by mistake. I enclose it to you in this letter and hope that it will prove satisfactory. It compares very favorably with those of the other miners.

We are making a complete analysis of some ore from the Longdale Iron Company Va. - I have determined the total iron as 48.27 %, the water (after drying at 105° c for 4 hours) as 10.17 % and the silica about 14.5 %

We are to make our results add up to 100 % and have to determine Magnesium, Calcium, Manganese, Phosphorus and Sulphur - We are working carefully and reading different authorities I will mail a check to your address showing the idea of Dr. Brown in having us work as we do -

The Dr. is a very smart man and I like him very much indeed -

Monday being Washington's birthday anniversary we are to have a holiday -

Being invited to attend the annual banquet of the New England Alumni Club of the Delta Upsilon Fraternity on Monday night I shall accept and expect to have an excellent time -

Harry says that the Alumni of Marietta have wine on their table, this society does not consequently mother need have no fears -

I should have enjoyed a visit from you very much and as Cousin Jim was quite sick I no doubt he would have been glad to see you -

I expect to go out to see him tomorrow -

Last Monday night I attended a banquet at the Quincy House given by the N. E. Alumni Club of the Delta Upsilon fraternity and enjoyed a very pleasant evening and an elegant supper.

Last Sunday while I was out at Jim's he took my picture and on Monday printed it - He has an excellent outfit and one that is much better than my own - I shall send the picture home together with some high water views taken by myself -
With love to all the family and to yourself;

Yours affectionately

E. C. Means

P.S. Please send Seventy five Dollars for coat & current expenses.

Ans'd 4th & 11th

Boston Mass.

Feb. 27th 1886

Dear Father:

We have been treated to some genuine Eastern weather for the last three days - Heavy snow storm accompanied by high winds and cold weather -

You received this week a letter thanking you for money sent to me and I am now compelled to write for more - Boston like all other cities has its poor classes and without doubt the cold weather has made some one feel the need of an overcoat - Said person borrowed by unlawfull

means that which undoubtedly did not belong to him but to myself - Tonight while we were eating our dinner some one entered the hall and stole my overcoat - Not being able to catch the fellow I have borrowed one from a friend until you send me the money to purchase another -

My sealskin cap was hanging with the coat but the fellow in his haste did not take it - The overcoat contained a muffler and a pair of gloves - It was becoming old and worn from constant usage and I was intending to write for money to purchase another when this affair caused me to hasten -

My friend Epipes lost one in the same manner last year, ~~both~~ of our coats were hanging together then and this time a thief chose his first and a year later 'chose mine - verily they have ideas of equality -

Cousin Jim after two weeks of illness came into the city today, took lunch with me and went to see the winter games at the gymnasium - He is disgusted with the climate and is thinking of taking a trip south or west - He spoke of North Carolina, in the region that Uncle Hugh and he once visited as a very healthy place and perhaps he will go down there again -

JOHN MEANS.

Ashland, Ky., 4th March, 1886

Mr. E. C. Meant

Can Mass, Inst, Technology, Boston, Mass.

Dear Sir

Yours of 21st and of 27th came duly to hand. You forgot to inclose the report with the first. I have with find N.Y. draft Security fire (\$750) indorsed to your order, with which you may clothe the naked and feed the hungry. I have been away every day this week and leave for Leint this afternoon. Your mother is better of her cold. Bessie is here with us but expects to leave Saturday morn for Charleston. I am now living in Ashland and at work on hearth. Will write again soon yours

Affectionately
John Means

1874. apr 20th In action of Chas Davis Jr. vs. W. F. Gaylord & - W. Houshell
purchased for \$9,000. pt Lot 57 Newport Ky. 33 x 2 1/4 feet &
gave bond with J. A. Williamson, Surety @ 6, 12 & 18 mos
\$3,000 each with interest from date. Deed made to W.
Houshell by ~~James~~ F. P. Helm Com^r 17. Jan'y 1876 -

1878. Mch 16. For Consideration of \$7,800 in hand paid W. Houshell & wife con-
veyed to Mrs. R. D. McKenzie & Mrs R. D. Gaylord same prop-
erty, and; -

1886. Mch 5 Mrs McK. & Mrs Gaylord for \$1,570 conveyed same to Chas
Davis, Jr. of Cynth' O. —

Hager Memo

I hope that Mother is able
to be out by this time
and in good health once more.

I hope that your trip to
New York did not cause
you to catch cold -

With love to all
Yours off-son -
E. C. Means

Hand
delivered

Boston Mass.

March 9th 86.

Dear Father:

Your letter
containing draft on New York
bank for Seventy five dollars
(\$75) has been received. And
I thank you very much for it.

Sunday I made Cousin
Jim a short visit and found
him very much improved.

Cousin Mary and the children
were all well. Jim is very
much absorbed in the subject
of photography -

We have finished
our plate of Muddy River
and will commence one with
the notes from a transit
survey. This latter one will

not be finished but only
penciled because our time
from this forward, unless on
rainy days, will be spent
on out door work.

We had an exam-
ination in German last
week it was not very hard
and I managed to get through
all right.

I beg your pardon
for having forgotten to enclose
the report - I will do so
this time -

We have determined
every thing in the Leasingdale
ore except phosphorus & alu-
minum we have to check
our work in some instances.

When we complete the
analysis I shall send you
a copy of the results -

My catarrh has commenced
to raise its usual Spring
trouble and my throat
feels quite sore - With this
exception I feel very well -

We are having very bad
weather and there is a
great deal of sickness about
Boston at present -

Harv Woodward
was in to see me "the
other" night and wanted
to be remembered to you.

He is taking two studies
that I take, Physical Geog.
& Mineralogy - He expects
to return for another year -

I am happy to see the
advance on the price of a
license to sell liquor in
Ashland it will be better
for the city financially & morally.
I suppose Mother is rejoicing
over it -

JOHN MEANS.

Ashland, Ky., 15th March 1886

Dear Leek

Your photograph came yesterday, and your mother is much pleased with them. She has not regained her usual health, but improves every day, and is regretting that she cannot be at the "Spring House" sleazing. Monday night at 9 o'clock in the darkness Father walked off, end of Porch, and broke that part of the Shoulder bone to which the Collarbone is attached. They sent for Dr. Hunt, and myself at once. In about half an hour after it happened the Dr. had it in place and bandaged. Since that Father has gotten along very well. His general health has been so good and habits so regular for years, that we have great hopes he will soon be well again. He sits in chair all day, and sleeps pretty well. Of course it has been painful to him, but the worst of that is probably over. Have read the 'Leek' as to Dr. Brown's method in Analgesia and think it good. We made a three $\text{\textcircled{3}}$ per $\text{\textcircled{c}}$ dividend at L.W., and added five $\text{\textcircled{3}}$ per $\text{\textcircled{c}}$ to Profit & Loss a/c. Think this very very good showing, on the very low price seed for Iron. They have been prevented from delivering iron sold in

in June and Feb; navigation in James River
having been obstructed by ice, and then too
many harbors to which iron is to sent
are closed by ice, and the small sailing
vessels which carry our iron are afraid of bad
weather in the months mentioned.

Bout Warner has just been in, and I have com-
missioned him to buy wedding present for
Frank Mon and Lucy, who are to be married
next Wednesday (17th) - We finished Heath in
Adland Ice Sunday 9th, and saw fire drying out
effort to blow about 22000. Think I wrote
you that four sheets of bowdon Casing, beginning 18 feet
below top had split, and that Skelding had put some
bands around to hold. Have telegram that it is splitting
further and leave tonight for Va to see if we
can devise any plan to hold from growing
worse. The Norton Ice and Nail Factory are
doing very well. Newman & Hinckley building
burned Monday night, with all the goods in them
You shortly covered by insurance.

Affectionately

John Meant

JOHN MEANT

JOHN MEANS.

Ashland, Ky., 23rd March, 1886.

Dear Cook

Yours of 9th inst came duly to hand. On the 12th I left for Guntown. The casing had split beginning 5th sheets below top in 18 feet down and the next 5 sheets had split or parted at the seams when visited. Skelding had put on 4 bands and after examining us thought best to have 4 or 5 more bands put on to hold the brick of lining in place. They had no iron on hand to make the bands and ordered it before I left. There was no gas creeping through the brickwork, which had kept its place. Had letter yesterday from Goodwin in which he writes that brick work was giving way, but I cannot tell from what he says what the trouble is. It is not very clear when he writes about the furnace. Think I will go over there tonight. Your mother is about again, goes to the dining room for her meals, and was outdoors yesterday, a short time. It was too cold and windy for her to stay out long. Father is getting on my will. Sits up all day, goes out to

see his bent, and walks about. The garden
tub really more comfortable up than lying
down, and consequently is the first to get
up and lost to go to bed.

Miss Elliott and Miss Ella Cooper
are to take dinner with us to day.
Ashland Blew in yesterday and the Hamilton
on the 16th. - Was at St. Rock 18th when the St
was making very fair start. I have not heard
from them since. Remember me to Jim
and Mary, and Harry & Woodruff

Affectionately

John Meany

Received newspaper yesterday with ap of M.D. Tuck.

Annual Statement

OF

MEANS, KYLE & CO.,

FOR

Year Ending March 31, 1886

OHIO FURNACE BALANCES, April 1, 1886

STATEMENT showing cost of Iron made during blast ending April 1, 18

ASSETS.			
Cash,			
Hands' Ledger Balances,			
Bills Receivable,			
Merchandise,			
Principal office,			
Invoice..... iron and			
Balance cost of..... tons iron delivered at Union Landing,			
	\$		
LIABILITIES.			
Book Accounts,			
Hands' ledger balances,			
Sales---Pig iron			
Annual gain and loss to April 1, 18			
	\$		

STATEMENT showing profits for year ending April 1, 1886

ASSETS.			
Cash and book accounts,			704 00
Merchandise,			1518 90
Bills receivable,			
Principal office, <i>Loss for the Year</i>			3312 45
Invoice exclusive of iron and merchandise,			79881 14
..... tons pig iron at			
..... " " " "			
..... " " " "			
	\$		85416 58
LIABILITIES.			
Book Accounts,			860 39
Annual gain and loss, to April 1, 18			
Principal Office			84556 19
Balance profit for year ending April 1, 18			
	\$		85416 58

REMARKS.

Cost of one ton at Union Landing,						Number tons iron made,					
..... bushels coal..... at						Whole number cords wood used,					
..... tons ore..... at						" " loads coal "					
..... " limestone..... at						" " tons ore "					
Running up stock,						" " " limestone "					
Transportation to Union Landing,						No. cords wood to make one load of coal,					
Average cost of transportation and commission after leaving Union Landing,						" " " " " " ton of iron					
Cost of one load charcoal,						" days furnace was in blast					
Average sales per ton,						" tons daily average product					
Merchandise sold,					5232 01	" " iron sold,					
Net profit on merchandise,					941 01	" " on hand,					

Furnace went into blast , 18 , and blew out , 18

HANGING ROCK COAL WORKS, BALANCES AND STATEMENT OF COAL MINED.

ASSETS.				COAL MINED AND SOLD.			
Book accounts,			2370 75	To Steamboats,	Bush. Stack.	Bush. Coal.	
Cash,				" Sundries by Barge loads,	355 000	656 00	
Invoice merchandise at New Castle Store,			5174 59	" Retail by Wagon loads,	105 00	207 00	
Invoice personal property at mines, +				" Rail Road	19217	12466	
" " " at Hanging Rock,			35380 28	" Quantity on hand,	16900	749600	
Balance,			42925 62		6500	4166	
LIABILITIES.				Total Mined,	395950	848900	
Book accounts,			2977 31	Average Sales per day, to Boats	978	180	
Principal office,			24937 06	" " " " " R. R.	46	2054	
Balance, <i>Gain for the Year</i>			15011 25	" " " " " All	1100	2330	
	\$		42925 62	On hand April 1 st 1886	833	2700	

PINE GROVE FURNACE BALANCES, April 1, 1886

STATEMENT showing cost of Iron made during blast ending April 1, 1886

ASSETS.		
Cash,	21	64
Hands' Ledger Balances,	3	106 98
Bills Receivable,	214	86
Merchandise,	59	14 93
Principal office, <i>Pig Iron</i>	46	067 80
Invoice exclusive of iron and merchandise,	24	541 73
Balance cost of 4978 ⁷ / ₁₀ tons iron delivered at Hanging Rock,	80	737 04
	\$	160 604 98
LIABILITIES.		
Book Accounts,	3	66 60
Hands' ledger balances,	5	620 31
Sales---Pig iron	97	785 14
Principal Office	51	767 19
Annual gain and loss to April 1, 1886	50	657 74
	\$	160 604 98

STATEMENT showing profits for year ending April 1, 1886

ASSETS.		
Cash and book accounts,	3	128 63
Merchandise,	5	914 98
Bills receivable,	214	86
Principal office,		
Invoice exclusive of iron and merchandise,	24	541 73
2399 ⁷ / ₁₀ tons pig iron at	46	067 80
" " " "		
" " " "		
	\$	79 867 94
LIABILITIES.		
Book Accounts,	5	986 91
Annual gain and loss, to April 1, 1886		
Principal Office	51	767 19
Gain on Merchandise	50	657 74
Balance profit for year ending April 1, 1886	17	048 10
	\$	79 867 94

REMARKS.

Cost of one ton at Hanging Rock	16	22	Number tons iron made,	4978 ⁷ / ₁₀
2657 ⁷ / ₁₀ bushels coal at	7	66	Whole number cords wood used, <i>60 Land</i>	6479
27 ⁷ / ₁₀ tons ore at 1.12	4	83	" " loads coal "	2890
38 ⁷ / ₁₀ " limestone at .68	2	4	" " tons ore "	13 443
Running up stock,	2	57	" " " limestone "	1 774 ⁵ / ₁₀
Transp'n to Hanging Rock Landing,	90	16 22	No. cords wood to make one load of coal,	5-32 ⁵ / ₁₀₀
Average cost of transportation and commission after leaving Hanging Rock Landing,			" " " " " " ton of iron	
Average sales per ton, <i>Net</i>		19 80	" days furnace was in blast	284
Merchandise sold,	23	611 88	" tons daily average product	17 ¹ / ₂
Net profit on merchandise,	50	657 74	" " iron sold,	4954 ⁷ / ₁₀
Cost of one load charcoal,	12	13	" " on hand,	2399 ⁷ / ₁₀

Furnace commenced blowing April 1st, 1885, and blew out April 1st, 1886

PRINCIPAL OFFICE; HANGING ROCK, BALANCES.

ASSETS.			LIABILITIES.		
Ohio I + Coal	6	946 10	Pine Grove Furnace,		
Gain and loss to April 1, 1886	4	000 -	Ohio Furnace,		
Cash,	29	623 28	Bills payable,		
Bills Receivable,	29	086 52	Individual Accounts,	8	2480 25
Individual Accounts,	19	496 01	Capital Stock,	500	000 -
Real Estate,	304	557 76			
Coal Works,	24	937 06			
Cash Dividends, <i>Ohio Furnace</i>	84	556 19			
Stock Dividends, <i>Ohio Furnace</i>	51	767 19			
<i>Hamilton Furnace</i>	61	425 76			
Balances, <i>Construction etc</i>	168	110 60	Balance, <i>Profit & Loss etc</i>	276	023 19
	\$	784 503 47		\$	784 503 47

EUREKA COMPANY,

—MANUFACTURERS OF—

COKE : PIG : IRON,

OXMOOR, FLA. 6th April 1886

Dear Leok,

I came here Saturday evening and found things generally damp. Has been raining every day since I left home. Mack saw Mr. Joe Woodward yesterday in Birmingham, who told him that they had been flooded at Whuling and were afraid might have to stop his furnace for limestone. Generally this place is flooded when others escape, but this time, it has been different. We eat at Mack's house, but sleep in another. Mr. D. J. Fallis being very sick, have given up Mack's rooms to him and the Dr. We expect them to leave tomorrow when we will move back home again. Had rheumatism in my left arm and shoulder, since January and thought I would come here for a week or so and then go on to Hot Springs Ark from this, spend two or three weeks there. Feel considerably better than when I left home. Think the change of place and air helps me. Will probably go up to Birmingham tomorrow to look around the furnaces

V

No. 2. has the casing and downcomer up and the lining in nearly to the top. Are waiting now for brick to finish out the lining. I think nearly all the hearth and Bush brick are here. They are putting in foundation for a new engine, and expect to set it up to start with No 2 - No. 1. is making about 70 tons per day, but last week no No 1 Iron - Peaton is here and they all like him very well his brother "John Hage" came to day, having been ten (10) days on his way from Virginia, delayed by wash outs and floods. J.H. comes to grade Iron and look after shipments &c &c. Has seen him at a Furnace, and has all to learn. He is a good looking young fellow. Have not had time to get much acquainted with him yet. You may write to him at Hot Springs Ark, Arlington Hotel.

Affectionately yours
John Meany



S. H. STITT & CO.

Hot Springs, Ark. 16th April 1886

Dear Leach

Yours of 31st came to hand last evening, having been forwarded by Rex from home. Herewith I return to you the proposed plan for trip by your class, and think you would do well to take the trip.

You can see mining in various formations, and when much more difficult than we have at Coaltown. At Bethlehem you can see furnaces using Anthracite fuel. At the Edgar Thompson Pittsburg the furnaces and practice are equal to any in this country or other. Had better start with seventy five (\$75⁰⁰/₁₀₀) dollars, for expenses. You may run short on the 3¢ per day

estimate. I expect to stay here until
 about first of May to give the
 bathing a chance on my rheumatism.
 Came Sunday 13th inst, found Mr Sinton
 here, and he had been looking around
 all the hotels to find me, supposing
 that I came before him. My stay
 in Alabama was pleasant and
 several days longer than intended
 when going there. Took first bath
 yesterday in water @ 98° to 100° Temp.
 A republican rubbed me pretty
 much like rubbing a horse,
 Am to take one bath a day, but
 not much medicine. The Hotel
 is good and my room on second
 floor, close to stairs, and elevator.
 The whole town, some 4,000 population,
 living off guests at the Springs,
 who are from all parts of the United
 States. Left Mack and Preston very
 well —

Affectionately yours

John Means



S. H. STITT & Co.

Hot Springs, Ark. 22nd April 1886

Dear brother

Your of 18th inst, is at hand. My letter to you from this place had not reached you, for in it I wrote that it would be well for you to take the proposed trip with Prof Richards, and that you had better take about seventy five (\$75+) dollars to pay expenses. I have now been here more than a week, my rheumatism is better than when I left home, but can hardly tell whether better than when I came here, although I think it is. Take one bath at 11 A. M. each day in water at 98° to 100° F. for ten (10) minutes and drink one half pint of the water at about 140° temp.

Mr Sinton takes a bath at same

Time at 97°. We have no acquaintances other than we have made here. Our Doctor "A. S. Barnett" was ^{Surgeon} in the rebel steamer "Merimac" when she encountered the Monitor. He has a son at Stearns in Hoboken.

Mr. S. and myself read newspapers, walk, talk, and play a game of Euchre now and then. We are respectable loafers, but manage not to let time hang heavily. Hope you are well of your cold. But prescribe for yourself, better consult, good physician and let him advise. The Longdale Ore is higher Average than Lumsden in Iron or Phos. The Norton meeting comes on next Thursday, and I shall be here until after that time but suppose they will make a dividend. Remember me to Jim & family and to Harv Woodward, - affectionately
John Meane

Charleston National Bank,

Charleston, W. Va., May 13 1886.

John Means, Esq.,
Ashland Ky

Dear Sir: Father

We reached here on time, and met Will and Bess on the ferry coming over to meet us as they received our telegram in time to do so. They are both looking well and feeling much refreshed by their trip. Will's boils do not trouble him as much as they did before he went off on his trip. I spent yesterday with Will at the Bank, and he & I took a ^{little} walk after the it closed. Mr and Mrs John Hampton called last evening and invited to tea this eve.

We are all well. Love &
kind regards to all

Yours Son
Harold Means

ROSTER.

MAJOR, J. P. B. FISKE.
ADJUTANT, H. D. SMITH.
QUARTERMASTER, . . P. R. HAWKINS.
SERG'T-MAJOR, . . . G. C. WHIPPLE.

Co. A.

CAPT. HOLLIS FRENCH.
1ST LIEUT. F. L. DAME. 2ND LIEUT. C. E. BEALS.

Co. B.

CAPT. G. M. BASFORD.
1ST LIEUT. E. S. HUTCHINS. 2ND LIEUT. W. M. DUANE.

Co. C.

CAPT. W. W. LEWIS.
1ST LIEUT. A. W. LAROSE. 2D. LIEUT. W. H. TENNEY, JR.

Co. D.

CAPT. S. H. MILDRAH.
1ST LIEUT. F. A. HILLS. 2D LIEUT. F. E. CALKINS.

ANNUAL PRIZE DRILL.

CORPS CADETS

Mass. Institute of Technology.

Charitable Mechanics Building,

SATURDAY, MAY 15,

1886.

PROGRAMME.

MUSIC, . BALDWIN'S CADET BAND.

Battalion Drill.

Under Command of Maj. J. P. B. FISKE.

Music.

Company Drill.

In the following order, for Flags presented by the
CLASS OF '88.

Co. C., Capt. W. W. LEWIS.

Co. A., Capt. HOLLIS FRENCH.

Co. D., Capt. S. H. MILDHAM.

Co. B., Capt. G. M. BASFORD.

Music.

Sword Drill,

Commanded by Maj. J. P. B. FISKE.

Music.

Guard Mounting,

Officer of the Day, Capt. HOLLIS FRENCH.

Old Officer of the Day, Capt. W. W. LEWIS.

Music.

Competitive Drill,

Under Command of Adj. H. D. SMITH.

Dress Parade,

Under Command of Maj. J. P. B. FISKE.

Award of Prizes.

Judges.

Col. AUSTIN C. WELLINGTON, 1st Infantry.

Capt. ISAAC H. HOUGHTON, Co. C., 5th Infantry.

Capt. JAMES J. BARRY, Co. C., 9th Infantry.

Remember me ~~q~~ kindly to
all my Low Moor friends when
you see them -
With love to all.

Your aff. son

E. C. Means-

P.S. When is Charley Means
coming this way?

Boston Mass.

May 16th 1886

Dear Father:

Work in survey-
ing has been completed -

~~Tomorrow~~ the laboratory closes
and on Wednesday the exam-
inations commence -

My work in the laboratory
for the past 10 days has
been on the determination
of silicon in pig iron by
Dr. Brown's method - The
sample of No. 1 foundry given me
contained 3.78 % of silicon;
it was so high in silicon
that they would not tell
me from what furnace it
came - A sample of Gray
Forge contained 0.63 % Silicon.

Yesterday afternoon the first year class held their annual prize drill and exhibition.

There were about 6000 people present and the sight of so many pretty dresses of different colors and shades arranged in rows in the galleries presented the prettiest picture of the kind that I have ever seen.

The drill was better than usual and the orchestra furnished some excellent music.

The sabre drill was new and interesting to me.

Yesterday one of my school-mates, by the name of Gross, from California, and myself took pictures of the laboratory. I will send you a blue print of the one taken by me. It is not my best picture, but still, a good one.

Because of the excess of light it is rather a difficult place to photograph.

My desk may be located by the box and hat upon it.

The picture was taken after the students had gone home and consequently their absence is conspicuous.

H. G. Woodward called this morning. He wished to be remembered to you. Said his father had left wheeling.

When you see Mr. Skelding please ask him if he can give me the position as chemist at the furnace for a month this summer, with salary sufficient to pay expenses. I expect to write to him when school is closed about the same thing.

What was the trouble at the Hamilton L'ce with the labor?



Athland Ry 23rd May 1886
Dear Levee

Yours of 16th inst came duly
to hand inclving, programme of
● Bill and photograph of Class
Room. Have been occupied the
past week, with meeting of the
A. C. & S. R. Co., Messrs Biggs,
Bailey, Butler, Peebles and a Mr
Miller from Pittsburgh were in
attendance. The business
for past year has been satis-
● factory, although the profits
are small. Each branch of
the business showing gain
with low prices in all.

The old members of Board
of Directors were selected and
no change made in officers.
Mr Walker has given us
notice that he will leave

in this summer. Don't think he knows when he will go to, but that name restlessness, is about the only reason he could give.

Perin is getting along very well at the Norton 355 tons last week - The trouble at Hinch was, about 8 Hour work. Their law Ohio makes 8 Hour a day work unless agreed otherwise. Mr Willard presented an agreement to the men to be signed by them, making the usual time worked to be counted as a day. Some refused to sign, so Willard stopped all work at Hamilton and at Newcastle Mines until the men would sign, which they did after about one week off. The men at Pine Grove signed at first, and

There was no stop there.

Charles Means is at the
 Norton again and I hear
 nothing said of his
 going East this Summer.
 Lizzie and her mother
 went to Leint last week,
 Ira is expected home
 about 1st of June. Mother
 and Harry came home
 Wednesday 18th, having had
 nice visit. We had Barron's
 Show here 17th and the biggest
 crowd here ever seen at
 a show in Ashland.

Maek writes me that he
 expects to start new females
 about 1st June, and wants
 me to come down about
 that time or soon after.
 Leave for Southern tomorrow
 but hope to get home.

4 Thursday morn or Friday
at the latest. Mr Russell
wishes me to make a
trip with him to Maubius
and Pittsburgh and some
other points in Pennsylvania
to see some plants for ma-
king Steel Nails. If we do
will start Sat of this week
or first of next.

When do you expect to
reach home?

Remember me to Harv W.
and Jim and family.

Affectionately yours
John Mearns

I shall be very happy to delay my trip to Low Moor under the conditions you state, provided Father has not made other arrangements. I hope that the tennis court will be in good order because I feel the need of out door exercise. I am lighter by 10 pounds than when I left Ashland. Now that school is over and a new change in board has occurred my chances for improvement seem good.

Tell Harry that there is plenty of room out west. I will send home next week a plan showing Hotels at which we will stop and also the dates.

With love to all

Your aff brother
Cooke

Boston Mass.
May 29th 1886

Dear Rose:

Your letter was received this morning. It contained a draft on New York bank for one hundred dollars (\$100.) as requested. I am very much obliged to you for your kindness and to Father for the money.

Cousin Jim and wife called on me last Thursday and we were going to see a game of ball, but owing to rain he and his wife concluded to return to Quincy.

Friday Jim came in and we saw the Detroit's defeat the Boston's in the best style that I have witnessed.

Tomorrow I expect to go out and make them a short visit. While there we expect to take a good many photographs and study the art together.

My last examination was on Thursday and it was rather a hard one but the terms work will help my grade.

Today I went to see Prof. Richards concerning the trip. From the number of places to visit and consequently large number of changes from one road to another my trunk would be so inconvenient that I have concluded to express it home.

The larger number of students have started for home, very few remain for the final exercises.

Last night, all of the examinations having taken place, our society had its annual banquet. About 55 were present and all had a good time, the supper was excellent and I for one, at least, did it up in great shape.

This morning there was a procession of ~~bicycles~~ ^{tricycles} of ~~bicycles~~ ^{tricycles}. About 600 in all, & of whom were ladies on tricycles.

The tricycles are growing quite popular with the fair sex and we see them quite often spinning along the streets with as much confidence as the men.

I have decided not to stop in New York on my way home but will leave here next (7th) Monday night with the regular party.

Each person in the party before going to the works to be visited will be assigned a certain subject on which he is expected to obtain as much information as possible.

Then at night the party will meet in the hotel parlor and the notes will be read. In this way each one of the party will be able to obtain a fuller set of notes than if each one tried to obtain all the general information he could. Of course ~~each~~ all of party will go through and look at all that is to be seen before the individual work commences.

We leave Boston tomorrow (Monday) at 6 P.M. -

With love to all
Your affection

E. C. M. -

Boston Mass

June 5th 1886

Dear Mother:

Sunday and Monday of this week were spent out at Cousin Jim's - Jim and all the family are in good health and all seem very happy and contented.

Hugh is in the Adams Academy and Jim in a private school - Cousin Mary comes in every day to Boston and is very much interested in painting - Jim has become very much interested in photography and has succeeded in taking very good pictures - He possesses a very nice camera and lens.

My time this week has been employed in packing up, taking pictures, attending ball games and seeing the boys off.

Last evening I went out to Cambridge to tea with my friend Harry Moore - We did not take tea at his home but at his girls - I took a picture of her and her married sister and also a family group consisting of 4 persons, 2 dogs and a cat.

Through the kindness of Mr. Gaither of the Merchants and Miners Transportation company my trunk will be checked through from Boston to Oakland by the same route as last June. This will save about \$6. express charges -

So that the trunk may be taken to the house and lie for 3 weeks in depot, I will send the check home by letter -

I was mistaken when I wrote that Prof. Richards would give us a list of the hotels at which we would stop -

I will write below a list of places that we will visit and the days we will be at each place -

	Leave
New York	June 8 th
Franklin	" 10 th
Bethlehem	" 14 th - 6 AM
Milnes Barre	" 16 - 9. A.
Harrisburg	" 18 - 3. P.
Johnstown	" 21 - 6. A.
Pittsburgh	" 25 or 26 -

Also visit the following intermediate points: Bergen Point, Phillipsburg, Glendon, Kokondangua, Maach(?) Chunks, Northumberland, Mansfield, etc -

As soon as we learn where we will stop (Hotels) I will write again -



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr. John Means
Ashland
Boyd Co Ky

[1886]

Franklin N. J.
Wednesday 8th

Dear Father:

Left Boston
Monday at 6 P.M. Reached
New York at 8 A.M. Tues-

Same day went down
to see the New York
works of the Oxford Copper
and Sulphur Company -
Left New York at 4 P.M.

via New York, Susquehanna and
Western Ry. - Saw Will
Smith at Ferry - Called
him up by telephone -

Reached Franklin at
6.30 P.M.

Same night
saw cast of Berremer
Pig at Franklin Fee -

Party of 8 students & 1 Prof.
write to me can of Prof.
at the diff places - Yours &c

Sun Hotel,

A. H. Beers, Proprietor,

Terms, \$2.00 per day.

Bethlehem, Pa. June 10th 1886

John Means Esq:
Ashland Ky:

Dear Father:

The postal which I sent you was rather a short and incomplete account of our trip -

The Oxford Copper and Sulphur Company's works are situated on Bergen Point near Staten Island. The ore is brought from Canada and after being roasted by the Standard Oil Company to whom they sell the sulphur it is melted in the largest Copper furnace in this country -

The copper and matter obtained from this treatment are dissolved in sulphuric acid and the precious minerals separated from the copper.

The treatment of the precious metals (gold and silver) is kept a secret and of course was not made known to us.

The copper after being precipitated from the sulphuric acid solution is passed through the Blister furnace and then through the Refining furnace, from which it is ladled out into moulds.

The pigs are small and weigh about 10 lbs. They are packed in barrels and shipped.

After our inspection of the works we were treated to a lunch by the company.

Sun Hotel,

A. H. Beers, Proprietor,

Terms, \$2.00 per day.

2.

Bethlehem, Pa. 1886

Wednesday morning we visited the mines and pits of the Franklin Zinc & Iron Company, Passaic Zinc Company and the Lehigh Zinc Co. All which were situated near Ogdenburg Sussex County N. J.

These mines and pits are not operated at present and we had full liberty to roam at pleasure through them. We secured some very fine specimens which I will ship home in a few days. Probably by freight.

The ore mined by these companies are zincite, franklinite and calamine.

In the afternoon we visited another mine, operated by the Franklin Line & Brown Co. In this mine we saw a vein of zincite and franklinite over 100 ft wide, and at one place 70 ft high. The work is done by stoping.

This morning we went to the Brown furnace of the same company. The furnace was 68 ft high - The hearth 9 ft diam. The Bosh 21 ft diam and 17 ft from the bottom of the hearth. The opening at the top was 9 ft diam.

The stoves were the old fashioned pipe stoves and contained 40 pipes each 13 ft long and 9 inches in diameter - By one pipe I mean the ascending and descending tubes with an elbow U. Heat 850° F.

Sun Hotel,

A. H. Beers, Proprietor,

Terms, \$2.00 per day.

3.

Bethlehem, Pa. 1886

The founder's name was Thomas Carroll from Scranton Penn.

He was a man of very little if any education and I don't think Mr. Skelding would take him as a keeper. He did not know the composition of his ore, iron or slag.

After casting had his blast off for two minutes - Says he changes his tuyeres in 8 minutes.

Wages are about the same as those paid at Low Moor last summer. The largest week's run was 609 tons but probably held one cast over from the previous day - The 2 engines were made by J. P. Morris at Phil - Estimated

at 1080 horse power - 9 ~~feet~~ strokes
4½ ft steam cylinder, 7 ft air cylinder
fly wheels 37 ft. diameter - walking
beam about 28 ft. long - Cut off
at $\frac{3}{4}$ stroke, which Prof. R. considered
a great waste of power - or rather of
steam -

I row Franklin Fee, Susser Co.
went to Belvidere, then to Lehigh
Junction, and then to Bethlehem Penn
where we are at present located;

While here will visit zinc
mines and works. I row blast
furnaces and Bessemer converters -

Will leave here Monday -

Write to me at any
of the places mentioned in
my letter to Rose. We will
ask for letters at the post offices.

With love to all

Your aff son

E. C. Means -

Sun Hotel,

A. D. Beers, Proprietor.

Terms, \$2.00 per day.

Bethlehem, Pa. June 18th 1886

John Means Esq;
Ashland Ky.

Dear Father:

Have
just returned from Easton
where I spent the day with
Will Morgan and his father. His
father is on the way to Boston
to attend the meeting of the
~~American~~ Master Mechanics -

I wish you would write
me a list of questions that
you think would be beneficial
for me to ask - We have not
as yet met a very smart
founder but surely will in
some furnace company -

we have a fair set of questions to ask at each place but I think you could tell me some of the most important for myself -

Tomorrow we visit Hokou-
dangwa and March Chunk and
spend the night at Wilkes Barre,
where we will spend two days -
will be in Johnstown Penn from
June 18th to the 21st - From there
we go to Pittsburg -

We shall ask for letters at
all P.O.'s -

Hoping to hear from you
soon,

Your aff son

E. C. Means -

P.S. Have received nothing from
Ashland during 18 days -

easily got at with water
or for repair in weak
parts when in blast, than
plate cased furnace.

Mr & Mrs are making
her a visit. Mother and
Tom came home from
Charleston yesterday evening.

May learn better for you
at Johnstown, calling attention
to matters I may see or
wish you to notice

Affectionately
John Meany



Ashland Ky 13th June 86

Mr E. C. Meany
Hamburg Pa. Dear Cousin

Your Postal came
to hand 11th, also letter from Mr
Epper ~~concerning~~ check for your
trunk. The trunk is at E. & S. S. S.
station and will be brought
up in the morning. Did not
acknowledge Epper letter, as
he gave no address. You can
advise him. Yours of 10th from
Bethlehem is here today. The
places visited, no doubt
furnished entertainment,

and instruction to your class.
I passed ^{Pa.} New Johnston, on
the 3rd inst, and noticed from
the cars, two Blast Furnaces
which seemed to be near
finished, in style different from
any I have seen. Appeared to
be brick work supported by
bands and bars of R.R. T's -
We are considering favorably
and shall probably soon deter-
mine to build furnaces N^o 2
here and at Lohr. Before
determining, I propose to visit
Johnston to examine them.
Shall probably be there Wednesday
16th inst, would take Roberts
with me, but he leaves
to day for Boston to attend

a meeting of the Mechanics,
May take Mr Hilton, Frank
Leyman will send me if he
can. I wish when you come
to Johnston you should notice
carefully these furnaces and two
chimneys (Smoke Stacks) built
with bars and bands, "Crinoline",
in place of casing of plate iron,
Note how ^{furnaces of} set on mantle plate
and how ^{bars and bands} fastened together and
to platforms at top of furnaces,
get all you can of it as you
may see and at Lohr, get to
help plan and build furnaces.
They recommended themselves to
me as likely to lengthen
the lack of living, being
exposed and much more

Jones House.

ED. A. TINKER, Proprietor.

Harrisburg, Pa June 17 1886

Dear Father;

Your welcome letter was received last night soon after our arrival here.

We visited an Anthracite coal mine in Wilkes Barre which had a shaft 700 ft deep - Saw the miners and braker - Inspected the means for ventilation and hoisting - The method of separation of the slate from the coal and the ~~ref~~ grading of the coal was very interesting - Also saw the test for gases -

Visited the Ashley places in the afternoon and rode up on the coal cars - These

incline planes are a device of the Central Railroad of New Jersey to haul the coal up the mountain, going over a distance of $1\frac{3}{4}$ miles and meeting the railway at the top of the mountain - The empties ^{box cars} and also the passenger traffic are carried on the railroad a distance of ten miles to reach the top of the same mountain -

The inclines (of which there are three) thus saving the road much expense and enabling them to stand more competition - The cars are not attached to the cables but are pushed up by a frog which is - The frog is of a curious device which I

Jones House.

ED. A. TINKER, Proprietor.

²
Harrisburg, Pa. 188

will explain to you later -

This morning and afternoon we spent at the Pennsylvania steel works inspecting the blast furnaces and Bessemer plants. Tomorrow we are to inspect the "Open hearth" and Siemens regenerating gas furnaces.

At the blast furnaces, of which there are five, we found a Mr. J. S. Kennedy in charge - A young man whose has been in the iron business four years - He is a graduate of Columbia, and seems to be wide awake and a good furnace man. Although he has charge of

five furnaces and attends to all the charging, blowing etc. he does not receive a very large salary.

He was very free in answering questions and is the best man for information that we have met.

He is not very favorable to the "Crinoline" and gives a great deal on the distribution of the ores in the furnace. He has a good deal of fine stuff to work and has studied the best relation of the diameter of the bell to the diameter of stock line. His fuel is one half coke and one half anthracite. His No 2 furnace 15 feet high, 20 feet bush, has made 200000 tons on one blast

Jones House.

ED. A. TINKER, Proprietor.

1100 tons ^{Harrisburg, Pa} best week's work - 188

~~to~~ The furnace has run 4 years and 10 months - He expects to keep her on for another month and then retire her -

No 3 is in blast and has a water spray on her bushes to keep her cool - He is using bronze tapers and coolers and thinks them to be much better than the iron coils - Is making Bessemer pig and running a basic slag - Have ore from Cuba, Spain and Elba, also from Cornwall Penn - The latter contains a great deal of pyrite and is roasted before being charged to the furnace -

The company employs 3000

men - Have a capital stock
of \$3,000,000 and own real estate
plants, etc to amount of
\$500,000 - Pay a 12% divid-
end -

After our return to the
hotel we took a carriage
and drove through the city -

Were not favorably impressed
as only one street seemed
to have any pretty houses
upon it - Saw Dow Cameron's
residence, State House etc -

Tomorrow afternoon we
start for Johnstown and
while there I shall ask
questions as you advised and
if circumstances are favorable
will take photographs of
new furnaces -

With love to all,

Your affson E.C.M.

Marietta: Ohio,
June 19th 1886.


Mr John Means,
Ashland, Ky.

Dear Sir,

As Commencement is near at hand, I write to say that I shall be pleased to receive a visit from yourself, Mr Means, and family.

I hope the boys will not fail to attend.

Please write when we may look for you,

affectionately, yours
George O. Hildreth.

Ashtabud Ky, 20th June 1886
Dear Leuk

Yours of 13th and 17th inst
came to hand while I was gone.
I left here Monday with Mr
Meacham and Harry, Went to
Bellevue Pa, to see nails made
from old Steel Rails, on a new
plan - Left P. Wednesday (16th) came
to Altoona where we stayed
all night, the hotel being better
than at Johnstown, left Altoona
and reached J. at 9³⁰ A.M.

Frank Lyman met us there.

Under the guidance of Mr Morgan
Chief Eng^r of the Cambria Co, we
visited the new "Leinothine" Furnace
and came to the conclusion that
at Ashtabud or Low Moor, Furnaces
built with plates as now, is
better for us as to first cost
In the afternoon we visited the

Steel works, rolling Mills &c &c - and
 left at 50 22' for Pittsburgh where
 we spent Friday leaving that
 night ^{11:55} and reaching home @
 12:45 P.M. - Found Mother
 and Lily had gone that morn
 to Charleston to see Miss Harriet
 Hildreth Eaton who had made
 her appearance Friday morning.

You had better inquire as to merits
 of Plaster or cement for funous,
 slope and diameter of bores,
 diameter of top compared with
 that of bore, size of hearth, height
 and size of towers, brick and
 for linings, effects of blowing
 down into iron, or up into the
 stack - Hope to see you soon

Affectionately

John Deane

Merchant's Hotel

Chas. Kropp, Proprietor.

Located in the Business Centre.

Johnstown, Pa., June 20th 1886

Dear Sister:

Your letter was received yesterday noon just as we were starting to visit the works. I received a letter from Father upon my arrival at Harrisburg saying that he might leave a letter for me at this place, but I have been unable to find one, and, therefore, suppose that none was left. This is the same hotel that he stopt at as the register shows.

You must be very happy to have Lily with you after such

a quiet winter and with so few of the family at home.

We reached this place ~~Saturday~~ ^{Friday} night and the party spent yesterday visiting the steel works and one of the coal mines of the Cambria Iron Co.

Father has probably told you about the works at this place and the magnitude of the company in general - The

managers do not give us as much information as at some places that we have visited -

and the party has not made a regular visit to the iron furnaces although today most of us went down to them - Two

of the fellows took their cameras with them and took some pictures

Merchants' Hotel

Chas. Kropp, Proprietor.

Located in the Business Centre.

Johnstown, Pa., 188

Tomorrow we visit the wire works here and then go to Pittsburg remaining there until Friday morning - The party then returns to Connelsville but at present I do not expect to go with them but will start homewards from there either Friday or Saturday -

Will write later as to time of departure. Hoping that you are all well

Your aff. bro.

E. C. Meade

HOTEL DUQUESNE,
JNO. B. SCHLOSSER & CO.,
PITTSBURGH.

Pittsburgh June 24/886

Dear Father!

We are still in this place and are visiting as usual - Today was spent at the Edgar Thompson works looking at the blast furnaces and the Bessemer converters -

The party leaves here Saturday morning for Connellsville to look at mines and ovens but I shall leave Friday night for Ashland, arriving there at 12.45 P.M. (noon) Sat -

Mr. Witherow gave us a nice dinner last night at this hotel -

With love to all -

Your aff. son.

E. C. Means -

N.Y. Fifth Avenue
Monday Aug 2/1886

Dear John

I send you Lily's
last letter so you can see how
possessed her. She came in Sunday
& took dinner & supper with me & Ned
Maynard came over in the morning.
Then this morning she will go with
me to the Catskills Mountains. The
Kaaterskill House & Wolcott come
back to New York on Thursday.
Coming back by boat on the Hudson
I had a delightful trip in the
White Mountains - but it ~~is~~ is
a very expensive trip - so I did
not stay longer than to see
all the places of interest. ~~Had~~
went up Mt. Washington twice & had
35 miles of fine driving through the
Mountains - will be home soon. Shall
stop in Washington a day or so, as
Harry has never been there -
Love to all the family & love & kisses
from Hattie

Lily & Hattie 2 Aug 1886

Woodhaven N.Y.
Saturday July 31st 1886

My dear Mother

Harry's letter to us
was received yesterday
evening and I was wonder-
ing all the week why
you had not written as
we missed seeing each
other when you were in
N.Y. before. I am glad
you enjoyed your

Mountain trip so much
and hope you will not
feel the heat too much
travelling -

Sister is away ~~today~~
morning has been spending
the night in Newark.

so I cannot invite you
out to visit here as Hallie
is expecting a young lady
to visit her today for a
week or more and Harry
has a young gentleman
cousin - ^{coming this afternoon} so the house will
be full, I can come
over early tomorrow and
shall be glad to hear
your plans, but am

real sorry I cannot invite
you out here - You ~~know~~
this is not our house to
do as we please in altogether
er - when next fall we are
housekeeping I shall be very
glad to have you then I

Sister has only one
girl now and that makes
it a little hard on her
this warm weather to have
company - I have a
letter from Father I will bring
over with me in the morning

Love to yourself and Harry
Your aff Lily -

Ans. 12th

Prosser A.
Aug 8th 1886

My Dear Father

I arrived here
safely Fri. evening just a little
behind time and found
Minnie waiting for me
and Cousin Mollie Hildreth
was still here, she had
come on Wed. instead of the
Fri. before. Mr. Perin
and Mr. Will Cram got
on the cars at Gorton and
went as far as Portsmouth
with us and we left them
with the Mayville girls
and they said they would
stay with them until
the boat left.

Mr P. brought some candy
and two books for Kero.
one was a novel "The strange
case of Mr Jekyll and Mr Hyde"
and the other a book on
Education. I think Kero
and Emma L. enjoyed their
visit in A. very much and
I suppose Bessie did but
she did not say so.

Kero left me at Lehighville
and I had over an hour to
wait in Columbus but think
I like to come that way better
than to come by Lehighville
and change cars twice.

Mr Leas and his sister Miss
Angusta called to see us
yesterday evening and ~~thorley~~
said he will bring his wife up
~~this~~ week sometime.

His little son is smaller
than Hilda - and rather cross -

I think I will go to Leauton
next Fri and be there for
a few days so I will be
glad to hear from you
while there in case of the
Stanford House.

It is written to Lily and
Bess today and will write to
Mother too and take the
letters with us to Mrs. Lee
to mail. Minnie Swann and I
will go there to church this
morning and Birdie Aunt S.
and Dollie will go to the Mills
this afternoon. Mother is
a very phasant girl but rather
quiet she has always lived in
Whirling but is going to
Indianapolis this fall to live.

It is time to dress for church
or I must close with love to all

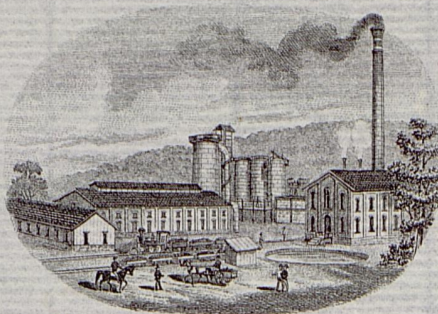
Yours Rose

What time did Mrs Lehigh come Fri?

JOHN MEANS; KENTUCKY.
PRESIDENT.
H. M. BELL; VIRGINIA.
VICE PRES.

H. W. GOODWIN.
MANAGING DIRECTOR.

JOHN F. WINSLOW; NEW YORK.
CHAIRMAN EX. COM.
E. A. LOW; NEW YORK.
TREASURER.



THE
Low Moor Iron Company
OF
VIRGINIA.
GENERAL OFFICE, FURNACE & MINES,
ALLEGHANY COUNTY, *Low Moor, Va.* 188

I in the room over the dining room
and in the closet occupied in part
by my passions you will find a
bottle containing iron wire which I
brought from Boston to use here - It
would be a kindness to me if you
would send it as soon as possible to
me - Miss Goodwin and Miss Bryson
are here and are the only visitors at
the house - Mr Doyle has been away
for a few days -

With love to all and the
wish that you may not become
lonesome.

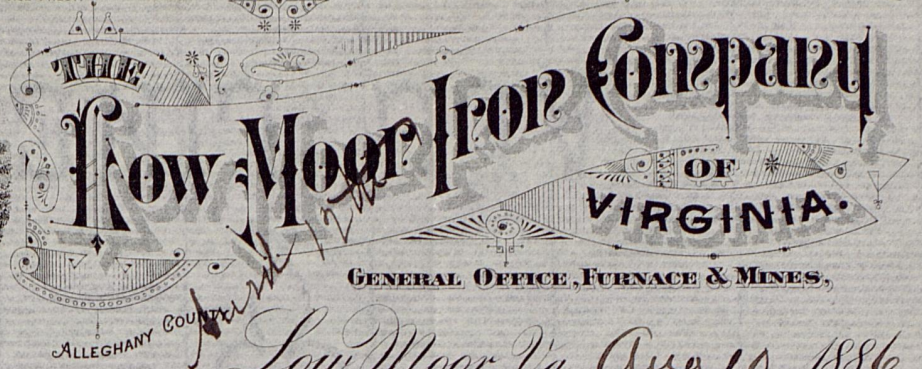
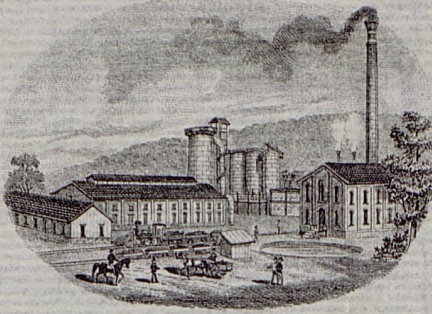
Your affection

D. C. Means -

JOHN MEANS; KENTUCKY.
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H. M. BELL; VIRGINIA.
VICE PRES.

H. W. GOODWIN.
MANAGING DIRECTOR.

JOHN F. WINSLOW; NEW YORK.
CHAIRMAN EX. COM.
E. A. LOW; NEW YORK.
TREASURER.



Low Moor, Va. Aug 10 1886

Mr John Means,
Ashland, Ky.

Dear Father:

After a pleasant visit to Bessie Trill and Hilda, I left Charleston at 11.20 P.M. on Monday the train being late. Saw the Mead Family, Mr Brown and others.

Arrived at Low Moor about 7.30 A.M. having spent the night in a C&O Sleeper the Pullman being full. In the morning found Miss Grace Ralston on the day car having come from Ashland.

Col. Goodwin met me at the train and after breakfast came down to the furnace where I now am. Mr. Skelding says to tell you that he cleaned flues yesterday and never found them so badly choked up.

JOHN MEANS.

Ashland, Ky., 12th August, 1886

Dear Cook

Yours of 10th inst came last evening
glad to hear of your safe arrival
and from Bessie and Will.
Rev Putnam wrote Will yesterday
offering the situation, after having
seen Mr Peebles and had Biggs letter.
Have not said anything about
the matter here and will not
for a short time. Mother and
Harry left Lily in N. Y. Thursday ^(8th) noon,
reached Washington that evening, stopped
until Monday (9th) evening, and reached
home Tuesday (10th) @ 10^o 40' A. M. Had
enjoyed their trip and looking well
after. Mother slipped on some steps
and hurt her side a little,
but it is well again. Letter from
her also from Miss Campbell, of
safe arrival at home and thanking
for pleasure of her visit

2

Have reached Dresden Li (6th) evening
found Minnie waiting at Station
for her - She leaves for
Canton Friday (13th) and I think
expects to come home next week
John Worrall came Sunday evening
saw Charles McK yesterday and
he is to bring safe and McK & H's
books to office today, go to work
getting up their books and making
out ap's, for C. Hyman to collect
so that we may be able
to tell how matters stand.
I wish you would see Fred with me
how many barrels look. Oh, time
is used for ~~etc~~ a sound change.
How many on the bell when he
sounds it. Want to compare with
our here. Need not tell him you
write to me about this.

Very warm today
Affectionately yours
John Means

JOHN MEANS.

Ashland, Ky., 13th Aug., 1886

Dear Levek

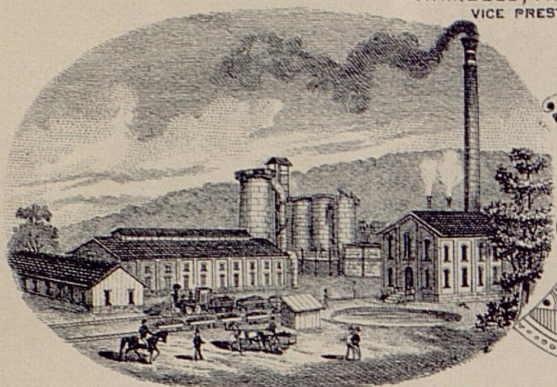
When I wrote you the other day forgot to say we had looked all bottles over in your closet and found none with virus in. May it settle in some other package or that you have it with you? Got Put received letter from Will today accepting the position offered him and thinks he may get off by last off Sept from Charleston N. Park. Have written Bern to pack up her small baby's clothing and come, to let Will have the furniture & packed before he leaves. L. P. Mead was in town today but did not see him. Will notified him yesterday that he desired to leave. Had letters from Ron and Miss Campbell. All well. Ron expected to go to Canton today.

Yours John Means

JOHN MEANS; KENTUCKY.
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VICE PRES.

H. W. GOODWIN.
MANAGING DIRECTOR.

JOHN F. WINSLOW; NEW YORK.
CHAIRMAN EX. COM.
E. A. LOW; NEW YORK.
TREASURER.



ALLEGHANY COUNTY.



Low Moor, Va. Aug 15 1886

Mr John Means-
Ashland Ky.

Dear Father:

Your
two letters have been received
and I was happy to hear from
you. Received a letter from
Miss Henderson a few days since,
telling of her safe arrival in
Logan after a 5 hour wait at
McArthur's Junction, 7 miles from
Logan.

Col. Goodwin and Mr Hoyle
went up to W. S. Springs this A.M.
Mr Dalton came Friday on No 3
and remains until Tuesday-

Furnace is doing well but not so much ~~as~~ as before flues were cleaned - "Owing to back pressure removed"

Yesterday I enquired about the charges from several persons and found the charge to be as follows

	ore	lime	coke
1 st	6	4	8
2 nd	6	4	6
3 rd	6	4	8
4 th	6	4	6
5 th	6	4	6
6 th	6	4	8
7 th	6	4	6
8 th	6	4	8
			etc

You will notice that the coke is charged as follows: 8-6-8-6-6-8-6-8-6-6-8-6-8

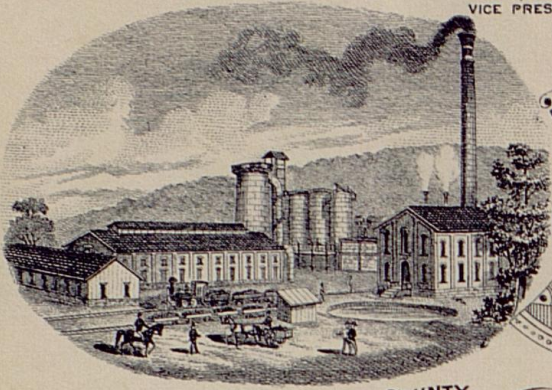
This is done to get the proper amt without sending up a single barrow

We calculated that 8 tons (20000 lbs) of air ^{for 1 ton iron produced} were driven through the furnace

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ALLEGHANY COUNTY.



Low Moor, Va. 188

counting on 120 tons iron product
per day and the 3 engines on 21 revol.
per minute -

We weighed 1 cu ft of ore as
mixed for the furnace and it
was 40 lbs. But Mr. Doyle has
weights (cu-yds) that show from
2500 to 2800 lbs obtained some time
ago - We will try again to

see if we made a mistake -

Mr. Skelding said his stock line
was 14 ft diam. and if that is
true his charge is about up
to the rule of Mr. Gordon calling
his charge 60 lbs per cu-ft -

The work on the brick yard is progressing, moulding from 1500 to 2000 per day. Mr. Dalton told us that they have recently sold 3000 tons to one firm -

A party of 12 went up to Falling Spring (8 miles from Covington) yesterday - I did not go because Cargill and I are going to Natural Bridge Wednesday.

The iron wire was left at home but it may be locked in my trunk. Mr. Hangerford has sent us some very good wire which will do just as well. Am sorry to caused you the trouble.

With love to all

Your affecⁿ

E. C. Means

JOHN MEANS.

Ashland, Ky., ~~23rd Aug~~, 1886

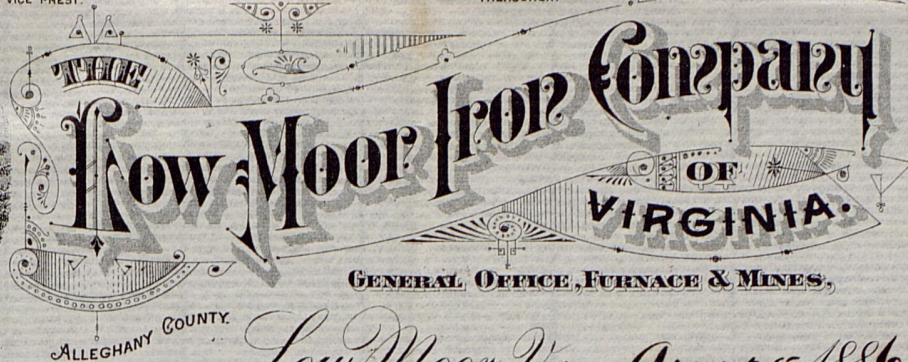
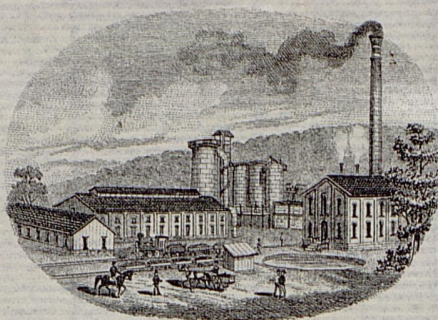
Dear Cook

Yours of 15th came duly to hand.
Your report filling ~~business~~
as I desired. Hope you had a
pleasant visit to Natural Bridge.
My friends Judge Johnson, wife
and Miss Fanny Matter are
there. Berie baby and trunk
came ~~Friday~~ (20th) in No 5, and
came to stay. Will expects to
come next Friday or Saturday
to have a few days rest before the
1st prox, when he will come into
the office. Berie will take the
Lewford home. I gave the CS
notice today that they must find
another home. Ed whom I
saw was not joyful to hear
the news. But your mother
and myself are very happy
to have our "big girl" and our

JOHN MEANS; KENTUCKY.
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GENERAL OFFICE, FURNACE & MINES,

Low Moor, Va. Aug 25 1886

Dear Father;

Your welcome letter was received today and the news was of much interest -

It will be very pleasant to have Bessie & Will so near the family - Have they found all the errors in Charley's accounts? How much will MCK & H be able to repay?

Mr Cargill and I had a very pleasant trip to the Natural Bridge and Luray -

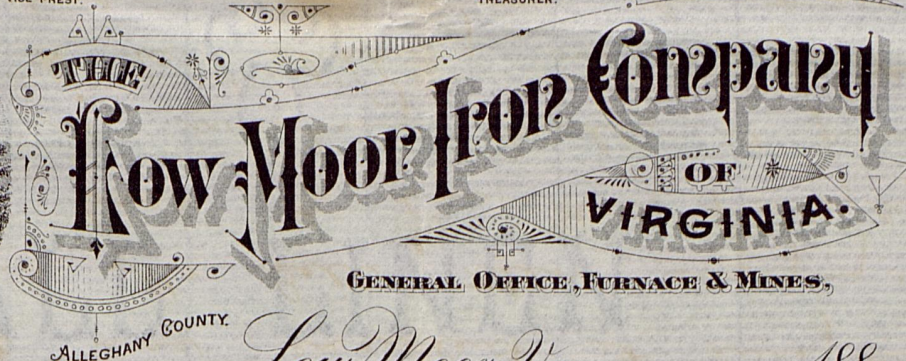
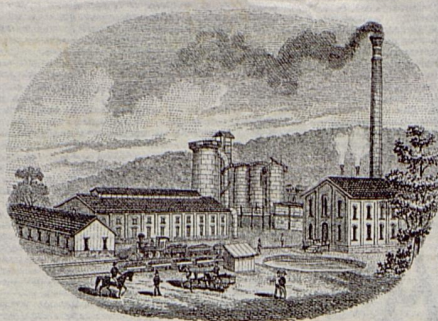
At the Bridge we found Mr & Mrs Judge Johnson and Miss Mather - ^{Dr Davis's wife} Judge is in very poor health and does not seem to be improving -

Senator Hampton and family are there - His son is a school friend of mine in Boston - Mr. Cargill was acquainted with the Manager of the Hotel and with the Proprietor & family - From the number of people we knew and met by

JOHN MEANS; KENTUCKY.
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TREASURER.



188

the time we left we were very well acquainted - Friday morning we arose at 3 AM to go to Luray with a party of 13 and of course found the train to be 2 hours later, but nothing of a serious nature happened as many might have expected - Miss Mather was one of the party and I might say the life of it - She is anxious to have Aunt Mag come up for a visit -

We took 13 pictures a few of which are good -

The ~~fare~~ ^{fare} was excellent at Luray Inn and we found Mr. Bell there enjoying it.

We came back to Low Moor Friday night. The Furnace is working badly at present and appears to be slipping on her front -

Yours truly!

Love to all -

E. C. Means

JOHN MEANS.

Ashland, Ky., 25th August, 1886
Dear Leroy

I wish you would make and bring or send me detail plans of Skiddings Bell and Hopper especially the Hopper. Think it is better than one we have had at Ashland, which has only one plate in depth, that is there are only four segments in the whole with a narrow ring at the bottom which is fitted to the Bell.

Bessie and Baby are getting along very nicely and right glad are we to have them at home, and to think they will not go away again. Have several letters from Rose and from Lily.

Rose is having fine times, stays twice as long in each place as she proposed when she left. So we don't know

when we may expect her
home. Lily is getting ready
for housekeeping and
of course busy. Expect
to hear her about Lidy
on Sat - 3rd or 4th prox
for Loomer and N.Y.

Remember me kindly
to all, yours

Affectionately
John Mead

Republican has been coming
all summer and I have
plenty of them on hand
for wrapping paper -
with love to all and
the baby -

Your aff son
C. C. Means -

P.S. Address me care
of Tech as heretofore

And 29th

Boston Mass
Sept 25th 1886

Dear Father:

Arrived here
safely yesterday at 9.45 AM

At Nanton Miss Grace
Raleston came aboard the
train and rode as far as
Chillicothe - At Riverton
Mr Bates appeared and came
as far as Columbus -

At Columbus I met Dunn
and Hughes, two of Marietta
College Boys when we were
there - I left Columbus
at 4.30 P.M. Took the sleeper
at Cleveland, changed cars at
Buffalo and ate breakfast
at the International in Niagara

Spent the morning at the Falls, Whirlpool, etc and departed at 2.15 P.M.

At Buffalo found a Tech friend from California and another from Chicago. We came to Boston on the same train and immediately went up to the Tech.

Spent the morning at the annual occupation of looking for rooms. Finally selecting a room corresponding to the one I had last year. This time it is 218 W. Canton Street

in the same house with Carpenter my old room-mate. C. is working in an Architects firm in Brooklyn.

Eppes has not returned but will be here Tuesday next.

I am charged \$3.50 for room and \$5.00 for board per week. The room is about the same size as I had last year but with a smaller closet. It is closer to the Tech than the other.

Yesterday I purchased a pair of trousers, had my trunk brought to the room and talked to the boys. Today I am unpacking and fixing up the room.

There are about 300 new students in the Freshman class, while ours has lost the usual quota. Woodward is here and is talking of spending the next year as well as this in study at the Tech.

Please have my subscription to the Register renewed. The

EXPIRES DURING

YEAR.

7

8

MONTH.

9

 GYMNASIUM.

BOSTON YOUNG MEN'S CHRISTIAN ASSOCIATION.

COR. BOYLSTON and BERKELEY STS.

Open from 8.00 A. M. to 9.30 P. M.

Admit Mr. E. C. Means

From Sep 28 1886 to Sep 28 1887

Association Membership Expires *10 - 87*

Wm M. S.

(OVER.)

For the Treas.

NOTICE.

This Ticket is not transferable, must be shown when requested, will not be duplicated if lost, and will be forfeited by violation of rules.

Communications are solicited, over the signatures of the writers, concerning any improvements that may occur to them in any department of the Association.

The Association will not be responsible for valuables left by members in their boxes. They must be checked at the counter in the Reception-room.

M. R. DEMING, Gen'l Sec'y.



[29 Sept 1886]

Dear Mrs Means.

It was a real and a very pleasant surprise, yesterday, when your and Mr Means' beautiful wedding present arrived here, and I hasten to assure both of you that I am sincerely glad of your kind remembrance of me at this - the most important and the best - event of my life. Few things only could give me more pleasure than this evidence of your continued friendly regard for me. Indeed, often do I think, with pleasure of all of you, of the happy hours, so often spent at your home, and of that steady kindness, you above all others did ever evidence towards me.

My wife, of course

of course, wishes to add her grateful regards to mine. She is a real gem and too good entirely for me. You will like her when you know her.

We have been married for four weeks now, keeping house here, in an unpretentious little cottage; yet we are very happy, and I hope some day you may come out and see us, and convince yourself what fine housekeepers we are.

I presume you are very glad, to have Mrs Bessie with you, and also your little grand daughter, who, no doubt, is the source of much pleasure to all of you.

Trusting that both you and Mr Means are well and happy, and once more expressing my hearty thanks for your memento, which I shall ever cherish, and with kindest regards to all your family - not for

getting Hilobeth, I remain

Very sincerely

K. B. Graham

Olivehill, Ky,

29 Sept 1886.

JOHN MEANS.

Ashland, Ky., 29th Sept., 1886

Mr. E. C. Means

215 W. Canton Street, Boston, Mass.

My dear Sir

Your of 25th inst came duly to hand and gave all pleasure to hear of your safe arrival in Boston. Messrs Russell, Meehan and myself reached Louisville (Ky) night - R went home with Molly and myself to the St Nick. After supper we went to the exposition until bedtime. Found met N. J. W. directors, and as we cannot buy steel Slab at present, determined to buy pig iron at the low prices prevailing and run in Iron Nails until we can buy Steel Slab or possibly put up a Steel Plant. The latter seems that it may become a necessity or to quit. M and I came here Thursday night. Mr R. stayed and bought some 3000 tons pig iron before he came. I paid for the Iron Register to your address until 10 Jan'y 1887 it should be going unless you ordered it stopped or sent elsewhere. Advise me if you do not receive it, and I will attend to the matter. Berrie and Will are busy fixing at new home, and will leave us soon and set up for themselves. We shall miss them and Baby very much. I think it best for them, to go.

but if only pleased myself would rather have them with us in the old house.

Charley went with Eva to Linton yesterday when she goes to school again. Ed Roberts is in Linton, his brother "Will" was hurt in a collision on the C. & O. RR - don't know how badly. Your Mother's "Lemon" girl Maggie left Sunday on 10 minutes notice, and yesterday she mustered into service a Miss Minnie Hard, who looks strong enough to fill the place - Mother thought Kamap had a hand in hurrying off Lemon, so she told him he need not come back Monday morn, we had expected to keep him until the first prox. Hubert and Tom look after Chickens, lems, horses &c. and so far we have not missed K.

Mr Lemon is at last Putnam's and is to take dinner with us tomorrow. With regard to Woodward

Affectionately yours

John Means

Know all men by these presents; That Mrs
Virginia D. Alexander, in consideration of one (\$1.00) dollar
and other considerations, does hereby sell and
convey to John Means, both of Highland Boyd County
Kentucky, all that parcel of land situate in said
County, bounded and described as follows;
beginning at a stone corner of $1\frac{1}{10}$ Acre lot of
Howell; thence North $48\frac{1}{2}^{\circ}$ East $40\frac{1}{10}$ poles to
a Creek; thence South 35° East 20 poles to the Road;
thence South 55° West 36 poles; thence South
 22° West $6\frac{1}{10}$ poles to a stone corner to said
 $1\frac{1}{10}$ Acre lot; thence with a line of said lot North
 $36\frac{1}{2}^{\circ}$ West $20\frac{1}{10}$ poles to the beginning, containing $4\frac{86}{100}$
Acre more or less; with all the privileges
and appurtenances thereto belonging to
have and to hold the same to the said
John Means his heirs and assigns forever;
the same conveyed to said Virginia D. Alexander
from John Means and wife by deed dated
22nd of September 1883 of record in the
Boyd County Court Book N^o 12 page 424.
and the said Virginia will warrant and
defend generally the property hereby conveyed
In testimony whereof the said Virginia D.
Alexander has hereunto set her hand and seal
this 30th day of September 1886
Virginia D. Alexander (Seal)

State of Kentucky }
County of Boyd } sct.
I J. M. Poage Clerk of the Boyd County
Court State aforesaid do hereby certify that the
foregoing deed from V. D. Alexander to John

W. D. Alexander

and to

John Means

420

Duly acknowledged before me by

and

this day of 188

Clerk.

Duly acknowledged before me by Virginia Alexander this 30 day of September 1886 by John A Kelly & C

Recorded in Deed Book No. 13 Page 1120

Lodged For Record Oct 4/86

Fee 1.25

Tax 60

Paid 1.75

J. W. May Clerk

Means was on this 4th day of Oct 1886 produced to me in my office duly acknowledged by the grantor before my deputy John Kelly as appears from his endorsement hereon in words and figures as follows, "Duly acknowledged before me by Virginia Alexander this 30 day of September 1886 J. W. Boag Clerk by John Kelly & C" and lodged for record. Whereupon the same together with this certificate have been duly recorded in my office

Given under my hand this 6th day of October 1886

J. W. Boag Clerk

JOHN MEANS.

Ashland, Ky., 7th Oct, 1886

Mr. E. C. Means,

215 W. Canton St, Boston, Mass

Dear Levee

Your letter to mother came yesterday. Herewith find N. Y. draft indorsed to your order for Seventy five⁰⁰ (\$75⁰⁰) dollars as requested. All well. Chauncy W. M., and W. C. Richardson, left this morn for N. Y. City. Part of the 3 H. B. Stones is up, and the sole plates and columns are here being put in place. Foundation for chimney will be finished this week, Next week will be at work on casting house. The Big Sandy came up Saturday and to day - She going with the Putmans this afternoon to the woods. She loves is here

Affectionately yours
John Means

Boston Mass.
Oct. 9th 1882

Dear Father:

Your welcome letter containing draft on New York for seventy five dollars (\$75) was received this morning.

I thank you very much for the money.

We have had a very pleasant week with bright sunny days.

Last night the Society of '88 had their annual meeting at the Parker House and I attended after the election of officers we had some refreshments and spent a social evening. This society does a great towards getting the

members of the class acquainted with each other and for those who are away from home it relieves the monotony of the regular routine of school life.

I have commenced work on the Low Moor No 1 F and have found 1.68% Silicon 0.99% Phos and about 1% of Manganese.

Have not unpacked my camera because I have not had any time to spend on taking pictures.

Have heard nothing of the return of Cousin Mary and will go down to the studio this week to enquire.

The football team were defeated by the Harvards this afternoon in a very one-sided game. This was our first

game so we expect better luck next time.

I suppose by this time Lily and Bessie are both house-keeping and enjoying themselves in the duties involved.

Mr. Richardson spoke although it were possible he might come as far east as Boston, it would be a great pleasure to see him and Charley and to help entertain them while here.

With much love to all and to yourself

Your affection,

E. C. Meason

P.S. Please send letters care M.P.T.



Oct. 9th 1886

Dear John

Please find receipt
bill of C. J. Woodson & Co.
for printing, £9.00. See whether
it is all stamped with the Crest
rather than Crest of Arms, as
that was the order.

What evidence have
you that we ever came from
Ireland? I can find none.

From Baron Joel de Maine
descended John Mayne born in
Dorsetshire England 1709, came to
America 1730 and settled in Pa. where
1750 he is reported as tax payer and
land owner of Lancaster County, now

Paxton Tp. Daphin County - at the
confluence of the Juniata with the
Susquehanna. From him descended
the Means family of the Juniata valley.
He was the father of
William Means who moved to South
Carolina shortly prior to the Revolution
and settled ^{at a place} ~~the Union~~ - now known
as Meansville. His son Col. John
Means settled near Spartanburg.

Also from Dacot Jral de Maine
descended Edward Mayne
who with his uncle Capt. Anderson
went to Lisbon and established a family
business-house which existed with
great reputation for more than a hundred
years. Upon the death of Edward he
gave his estates in Scotland to his
brother William Mayne who was the
father of
Benon William Mayne of Carmarthen -
Mayne Dublin, and of Charles Mayne
who was a merchant in Charleston
S. C. in 1750.

Thus we see two families
in South Carolina descended from

Dacot Jral de Maine. Can
father remember anything
about them?

Yours truly
William Means

were very fine - & the Ashland
Quartette gave the singing - Crate
Burbaker is still very low with
Consumption - Charlie Means
enjoyed his Boston visit very
much - Hope you will take
care of yourself & not get cold
With love & kisses

from
Mother -

Give me your address -

Ashland Oct 21st 1888.

My Dear Cooke

I guess you
think your Mother is never
going to write to you again
& it looks very much like
it - but I have been uncommonly
busy this fall with such a large
family & such poor help - &
next we have had a Festival
& that took all my spare time
for a couple of weeks - We had
our Oyster Supper in the
Park & had a very pleasant
evening & a good crowd & an
elegant supper - the best meat
supper we have ever had, at
any Festival & very fine oysters
we took in \$112.25 - our
expenses were \$42.00 & I

put \$100. out at interest.
paying over \$30 of the expenses
myself - as I wanted to give
some to the building fund, this
fall - Rose & your father
started off quite unexpectedly
to New York, last night.
Rose will be gone 6 weeks or
more - & your father will be
home on Sunday. We have had
a very fine & delightful
weather all the time - We
had one picnic out to
the Coal oil well, about 6 family,
went out & had supper -
I have had Mrs. Cone to
dinner & tea - with the Puts
& Bess had up all over at
her house to tea with the Puts
& Mrs. Cone, on Tuesday -
Lew & Marie have been taking
a trip to Old Point Comfort

spent 4 days there - Bess has
the big room finished & the
carpet down - it makes a very
pretty room - & will be very
comfortable - the baby is growing
fast & begins to hold her head up,
herself - Bess has a new girl
& so have I - mine is a Methodist
& sings Methodist Hymns - so you could
hear her a mile off - I shut all
the doors, so I don't hear so much
music - Harry is down at Hanging
Rock this week taking the place
of a sick clerk - So Hildeth & I
hold the fort - Shedd is painting
some, outside porches & blinds - so
we have the paint perfume
strong - Ashland Poage died
very suddenly in Cincinnati -
his funeral was Tuesday, from
his house - He had quite a
large funeral - Mr. Condit's remark

Sund 12th Nov

Boston, Mass.

Oct 31st 1886

Dear Father:

Although I have not received any letters from home this week I will write as usual.

Rose wrote to me from Woodhaven saying that you had come on to New York with her - Did you attend a Low Moor Directors' meetings?

Thursday the Putnams arrived in Boston and put up at the Brunswick.

Cousin Lizzie was suffering from a severe cold so I did not see her.

Found Douglas & Bessie quite well. Douglas enjoys his life in St Paul very much and is Secretary of an Insurance Company there.

Bessie has closed her school life and has been visiting friends and relatives a great deal of late -

They came to Boston from New York where they saw the procession on the day of the unveiling of the statue -

They visited Bunker Hill, Cambridge & Brookline and departed Sat. afternoon -

We have had 4 days of continuous rain and it has not cleared up - Last year we had 6 days of rain about this time of the season -

Please send me a draft for One Hundred Dollars - (\$100⁰⁰)

I have decided to buy a Bell's Metallurgy and a German work by "Leidebur" - Dr. Brown said the latter would be beneficial and that it would not take long to read scientific German -

With loves to all.

Your affection

E. C. Means -

Good Morn L.
Nov. 1st 1886

My Dear Father

Lily had gone to the city with a Mrs. Lott this afternoon to see about getting a stove for their church and to order some candy and fruit and ice-cream for their "Harvest Home" supper to be given in the church Wed. night, and Lily left me to keep house and the things she wanted me to do were to dust the library and hall and write some letters. She says she is too busy to write yet, but she hopes to write soon. She is pretty busy so, and always bustling

and putting things away, she makes a very neat little housekeeper, but I wish she would not move, and not always be on the watch for some dust.

She is taking some bilious medicine and is looking ever so much better than she did last week, but is still rather pale.

It is bright and pleasant, and Lily will be better to be out, as the Dr said she needed to get out more, and I hope I can get her to go out and take walks with me and get more air that way.

She says she will go more as she has come over to go with her now, and she seems to enjoy having me with her very much.

We went Marketing Sat. morning and shopping in the afternoon, and took dinner with the Smith family at the St. George, and stayed to see the fire works

out they did not see them
as it was raining. and they
were postponed until tonight
and will probably come off
then as it is bright and clear
now. Did you notice the
Statue of Liberty on your
way to Jersey City? They say
you have such a good view
from the Battery Boat.

And we had a good view from
the ~~Admiral~~ Smith's rooms, and Mr
M. thinks we may be able to see
some of the fireworks from
tower here, and we will try
to see them any way.

Has Mother gone to lunch
yet? or will she wait till Harry
can go with her?

What does Aunt Mollie write
about Cousin Anna's gift, and
her coming on to D.C.?

When I get some of my letters
answered that I owe I think I will
write to her.

Did you hear yet what
was the cause of Alf Goble's
death? Has Mrs Ireland come
home and what do they
say about Mrs Horton's health?

Mrs Nichols has not been so
well as usual and they are trying
some medicine of a new Homoeopathy
for her and she thinks it will
soon cure her. Mr Smith is about
the same, he comes out to the
factory about twice a week still.
Mr Grosjean and Alice Gaud
and Gus Leordier will sail for Europe
on Sat. and be away two or three
months and they are very busy
this week before Mr G. leaves
and as he is not always happy
they have a lively time over them
this week.

Lily and Mr M. send love to
all in which I join
Lovingly Rose M.

When I came away I thought
I had asked for enough
money to last until I
went home but I am
afraid I shall have to ask
for some more. Will you
please send me fifty
dollars, and I will promise
not to ask for any more
till Jan. Nearly every thing
but my map costs more
than I thought it would.
and Lily and I are getting
our Christmas presents very
slowly.

Ashland Dec 11th 1886 -

My Dear Cooke

Harry & I went
to the City this week - Harry
was a good boy & went to take
care of his Mother - we went to
the St. Nicholas & had a good
time, eating Quails & Pheasant &
Oysters & Turkey, &c - we went & came
on the Cars as the river is still
low - Charles McTearnes Case
was taken up this week by the
Grand Jury - Your Father - Rob. P.
Krohn - Frank Cole & Coon Hymen
were summoned for witnesses - I
suppose he will be indicted & will
not come back again for fear of
arrest - like Dave Hunsinger -
I think every body will be pleased

& that the case is at last
taken up - & will be glad to have
him leave Ashland for good -
His Mother still holds on to
all her property - & people have
very little sympathy for her -
Charles Frobenberger has a better
place offered him in a Grocery
in Hamilton & will leave the 15th -
& there is a good prospect of Harry
Means getting his place, to my
great joy as I am very anxious
to keep Harry in Ashland -
Mrs Come has gone back home &
there were 4 tea parties for her
just as she was leaving -

The weather is getting bad & rainy
pouring hard all day - I send you
some of Rose's old letters -

Love & Kisses from
Mother

JOHN MEANS.

Ashland, Ky., 12th Novr., 1886.

My dear Cook

Yours to me, and one to mother, come in due time, and right glad its maker is to hear from you, and that you keep well. My trip to N.Y. was to attend a meeting of the Executive Committee of the Lowmoe Directors. We then ordered the erection of a new furnace, to be run with Engines, Boilers, and H.P. Stoves as now here; thereby avoiding the long stop, and many incidental expenses we now incur when sailing. Was at L.W. last Week Wednesday (3rd) and had letters written to various parties, asking them to bid on the iron work, Thursday, Friday and Saturday evenings, we were invited to Carl Putnam's the Misses Cook and Dr. Montmollins; Had pleasant parties, especially the last. Mrs. Boone left Wednesday (10th) for home, Carl P. going as far as Cincinnati with her. Monday (8th) your mother and Harry left for Cin'ti, returning Wednesday. I dined with Bessie and Baby Wednes. Baby has grown considerably since you left. Yesterday Robt Peckler, Kratzenberger and myself were summoned to appear

before the Grand Jury, to answer as to
any law-breaking we might know of —
The McKenjie matter was all I could
testify to, after which it will hardly be
prudent for C. D. McK. to return to Ky.
He had left here Monday, as soon
as the G. J. assembled, for fear of some
accident. — I leave for Louisville tomorrow
night, to attend annual meeting of stock-
holders, and do not expect to get home
before Friday (19th). Matters about as usual
here, saw G. Perin start work. The furnaces
are not making as much iron as I
think they should do and are using too
much fuel. Walker and Putnam incline to
get into a rut and stay there. Perin gets
280 to 320 tons, and Walker about 280 per week
both using 3 to 3.3 tons of Coal per ton — They
should get 300 to 340 per week of iron, on 2.8 to 3.
tons of Coal. Kratzmeyer leaves us Monday night,
for Hamilton Ohio, to go into business with his
partner-in-law, G. M. Mott and Col. P. are in
favor of trying Harry in O's place. Stormy and
Raining to day, hope we may have ice in the
River. Very few boats running and only the smallest,
Big Sandy Packet has been up here —

Yours Affectionately
John Means

With love to all and
hoping to hear from you soon.
Your aff. son,
E. C. Means-

And 29th

Boston Mass.
Nov 21st 1880

Dear Father:

Your letter and
also the one from Mother were
received last Monday. I was
very glad to hear from both.

Last Tuesday I was invited
over to Cousin Mary's to dinner
at 6 P.M. Her cousin Leslie
Johnson from Quincy was also
invited. She expects

Cousin Jim to come back from
Kansas in time for Thanksgiving.

I mailed to you yesterday
a paper on Blast Furnace Construction
and two copies of the Tech.

Friday night I went to the
theater and saw Wilson Barrett
in Clito. He is a young

man but a very fine actor - His company is also very good - "He is English, you know!"

Last Tuesday our Prof. in Geology took us out to Parker Hill and explained to us the formation of the Boston basin. We also inspected the Roxbury Conglomerates and the dikes there -

Yesterday was a beautiful day for football so Hugh and I went over to Cambridge to see Yale defeat Harvard.

About 7000 people witnessed the game and the enthusiasm ran high -

The street cars were so crowded that some of the boys climbed on top and rode up there -

About 200 Yale men came up from New Haven to witness the game. The score was Yale 29 Harvard 4 -

About $\frac{1}{2}$ of our school went out to see the games.

The Low Moor No. 1 F. that I brought on with me contained Silicon 1.68%, Carbon (Total) 3.66 Graphite 3.60 - Phos 1% - Mang 0.8% Sulphur 0.02% -

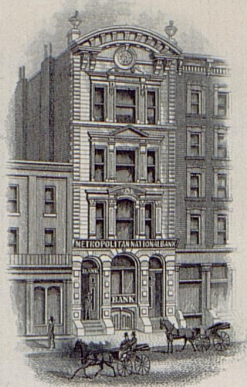
The Graphite being so high in comparison with the Total Carbon is remarkable -

Mr. Doyle sent me some ore which by a rough analysis was found to contain $9\frac{1}{2}\%$ of metallic Manganese probably in the form MnO but of that I am not sure -

Prof. Richards continues to improve and we hope soon to have him with us again -

I have not decided where I shall eat my Thanksgiving dinner but probably it will be at the boarding house -

It is 8 years since I have eaten one at home -



WILLIAM MEANS, PRESIDENT.
JOHN R. DE CAMP, VICE PRESIDENT.

CAPITAL \$500,000.

WESTERN BANK NOTE & ENG. CO.

Metropolitan National Bank

CHAS. W. EDWARDS, CASHIER.
F. M. RIEGEL, ASST. CASHIER.

Cincinnati, Nov. 28 1886

Dear John

I purpose coming to Oakland
to make father a little visit, leaving here
on Big Sandy Friday evening and returning
the same boat Monday. Will you be at
home? I have heard that Mollie and Muggie
went to N.Y. to spend a portion of the winter
or I would have written them. All tolerably
well and hoping you and yours are likewise.
I remain

Truly yours
William Means

John Means Esq.

Having had Dr. Putnam's place & Mrs. Cook
 Hilda will give him \$30 - the two bank
 at Hingham Rock - with a table one drive
 back to get the chair - then a dinner - then
 in Christmas that they would like to read
 you may get one from the library at the
 house - I thought I had enough to keep - take

Ashland Nov. 27 - 1881

My Dear Cooke

I will write
 you a few lines - though I
 have the headache - in consequence
 of giving a big Thanksgiving
 dinner party - I had Putnam's
 Slatons, J. W. Means, families
 Lym & Charlie - 18. at the
 first table & at the second making
 24 at dinner - Had 4 turkeys
 other things in proportion -
 as I have the stupidest ^{cook} ~~gal~~
 I ever had in my life - you may
 imagine it was enough, to worry me
 into a headache of several days
 duration - I was glad when the
 day ended - though the Company
 seemed to enjoy themselves very
 well - Sam Savage gave a party

I have
 this
 with
 the
 book
 in
 the
 house
 I
 have
 the
 book
 in
 the
 house

Thanks giving morning - I invited John
Pa & Harry Wirt - the party lasted
till 3. A.M. - I believe - John father
& Harry came home some earlier
I was too tired to go - Mrs. Ward
died ~~Monday~~ Tuesday & was buried
Wed from her house - there were
about 15 carriages - Joe Ward is still
as crazy as can be - he played on
the piano steady for two days before
his mother was buried - John
father was at Low Moor last
week & ^{days} this week - John father had a
letter from Charlie McHenry from Indiana
He said he would like to see him some
where to see what arrangements he
could make for paying "the shortage"
(as he expressed it) but he should wait
time - He had better have called it
the stealings I think - I felt quite
disgusted with him after reading his
letter - The grand jury have indicted
him - so he will probably stay away
from here awhile for which we are all
thankful - Lizzie Means has gone to the
city as far as I know - Mary Means
has taken Mary Lampton on to New York to
her eye doctor as she is troubled with
failing eye sight - They will be gone two
weeks - Rose comes home the 15th Dec
I am afraid Lily won't come with her

Thanks giving dinner with or
many relatives there.

I see by the Republican that
Mr. Huntington preached the
sermon that day and
suppose they are all settled
in it just as happy to be
back as Mrs. Ireland is to have
them there. What do you
hear about Mrs. Norton? I have
not heard anything from her
since I left home.

Yesterday Lili and Mr. Dr.
did not go to church. or I
went by myself and heard an
Armenian preach about Jesus.
The young minister here is
trying very hard to build up
the church and he is always
getting something for the people
to hear about that will interest
them. Next Sun. he will preach about

Thanksgiving sermon
Mr. Dr. was there. Good
and they had Union
services.

Lili sends love
to all
Very truly yours
Wm. Dr.

Good-bye
Nov 29th 1884

Dear Father

We were very
glad to receive a letter
from Bess this morning and
a note from Aunt Mary
saying she was in New York.
I shall write to her today
and learn when we can
go over to see her and
expect to find them there.
We seem to be a little
unfortunate about our calls.

Miss Gordon and Mr. Vincent
called Friday and on over
in Brooklyn with Mr. Smith
and on have found Mrs.
Lout over or twice when
on called, at the St. George.

Mrs. Maynard was expecting
to go home today, but she
was real sick Saturday night
and yesterday and is not
strong enough today to go
out. Lily thinks she will
go with her and stay just
one night. It would not be
natural to write from home
if even with out saying
that some one was sick,
as come one is always feeling
badly. Mr. Smith has had

two very bad attacks of pain
within the last week and
he feels so weak and they
say it is the first time he
has ever been real discouraged
about himself and he is not
under and Eric are now
as none of them seem to
help him or to know just
what the matter is with him.
Our Mr. said to let him do
just as he pleased about
everything and let him have
everything he wanted, as he
did not think he would ever
be real well again. He still
looks fleshy and no one would
take him to be an invalid.

What a gay time you
must have had at your

JOHN MEANS.

Ashland, Ky., 29th Novr, 1886

My dear Leck

Yours of 21st was found on my return from Louisa, where I went Sunday 23rd instant with Mr Moore of Portsmouth, who has taken the contract for the casing and castings for Furnace B.

We shall build to the size which you and Skelding had planned $80^{\circ} \times 26^{\circ} 8''$ casing, We make columns 18° and have to add a little to diameter, to have room for brick work. The lining we have and will use is only $18^{\circ} 4'$ but may be put in to $18^{\circ} 6''$. The paper on Blast Furnace by Mr Walsh I don't think much of. Have not read the "Tide" as yet. On the 18th Harry took Lew Putnam place at the Shop, Lew came to the General Office and C. Kautzky leaves the 1st prof, for Hamilton Ohio, where he goes into business with his father-in-law. Thanksgiving John W. Hampton preached in our Church, Father Mary Tom A, Maggie, Lizzie, Charley, the 5 Putnams and 3 Sentons dined with us. That night Harry and myself attended a party at Sam Saragap Maggie and Mrs R.W. Lampton left for

N.Y. City and will remain a week or two -
Shall show to Skelding your Analyses of Iron, but
it would please him if you would write him
When I was there young Mr Ball was looking
around taking in the position I suppose
the bear the Science of the profession.

Also a Mr Bird from Stanton graduate
of the University of Va, was making analyses.
Bird settles right down to the work, but is
not under pay. Adelaide F. has not
improved in her work. Norton varies
greatly. They are receiving some Steel
Slabs this week. Nails are very slow
sales. Remember me to H Woodward, Jim
and family. Affectionately

Yours
John Means

JOHN MEANS

1785-3 John Orr and Alexander D. Orr Enters
Dec. 28th 3 20500 acres of Land on Warrants above
Withdrawn (Viz:) N^o 19112, 19724, and
18904 lying on the waters of the Ohio
Beginning at the East Corner of William
Graysons 70.000 acre Survey and also
corner of Charles Tylers 20500 acres Entry
Running thence with Graysons line N 85^o
West 9 Miles thence at Right angles North
wardly for Quantity —

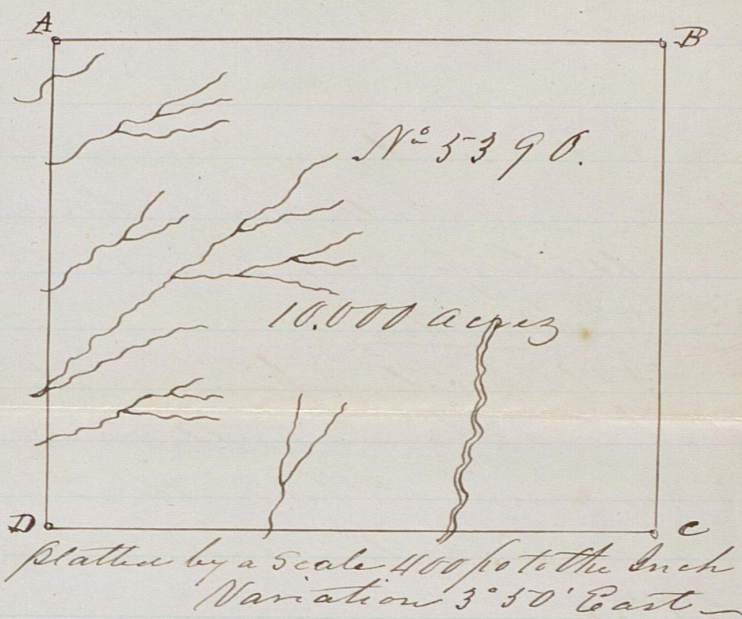
Attest And W^m Kinley R.L.O.
By Rich^d Sharpe D.M.

Fayette County Sct.

10th Jan'y 1785. Surveyed
for John Orr and Alex^r

D. Orr, Ten Thousand
acres of land by Virtue
of part of an Entry made
the 20th Dec^r 1785 on
three Treasury Warrants

N^o 19122, 19724, and 18904,
situate lying and being
in the County of Fayette



and on the Waters of the Ohio River. Beginning at (A) a
stake in the line of a Survey of Seventy Thousand acres
made for W^m Grayson at the distance of fourteen
hundred and Seventy four poles from said Graysons
East Corner 5 dogwoods, 3 Hickories, and a Sapapraz,
about 20 poles East of a small branch and also a
Corner to a 17,800 acre Survey in the name of Charles
Tyler, the stake before mentioned is also corner to a
10,500 ac. Survey in the names of John Orr and Alex^r
D Orr, thence running N 85° W. with Graysons line
1406 poles to another stake in his line at (B), thence
running N 5° E. and leaving Graysons line 1138 p^o
to 2 white Oaks, 2 Black Oaks, and a dogwood at
(C.) thence So. 85° E. 1406 p^o to 3 white Oaks & a black
Oak at (D), also Corner to said John and Alexander
D Orr's Survey of 10,500 ac. thence So. 5° W. 1138 p^o. with
the line of John Orr and Alex^r D. Orr's Survey of 10,500
acres to the Beginning

W^m Huskins & 3

Nicholas Tomline 3

upon which is the following agreement

Alex^r D. Orr D.S. F. 6

J. Marshall S. F. 6

I do hereby assign to Alexander Dabyns Orr.
his heirs &c all my right title to the within tract
of land of Ten Thousand ac. With my hand

this 29th day - (Nov^r 1786 -

John Orr

I do hereby assign unto Benjamin Grayson
his heirs &c all my Right & title to the within land
as Witness my hand this 5th Dec^r 1786 -

Test
James Hawkins

Alex^r D. Orr

I do hereby assign unto Daniel Henry his heirs
& assigns forever all my Right title interest, claim
& demand of the within tract of land of Ten Thousand
acres for Value Received December the 7th 1786 -

Test
Wm. W. W. W.
En^r Haughton

Ben. Grayson

Attest And Wm. Kinley R. L. C.
By Rich^d Sharpe DR

Daniel Henry

10,000 acres

Grant is 23^d Nov. 1787

Copy Survey &c

Examinee

per 50 cents

Ashland Nov. 1886 -

My Dear Cooke -

Your Letter has been received but your father having gone to Low More ~~sends~~ tells me to send the money to you - So I hope it will go all straight I enclose a draft on N. York for \$100 -

The girls are all well & Harry is still at the Rock - I am busy getting ready for winter both outdoors & in the house
Love & Kisses from
Mother

JOHN MEANS.

Ashland, Ky., 1st Decr., 1886

My dear brother

herewith find N.Y. draft
indorsed to your order Overland
(\$100) Dollars, as requested in yours
of 28th instant. We have had a party
of gentlemen from East Tennessee
with us since Monday, who have just
come over from Cranbury N.C. and
think they can and will build
a R.R. to and down the Big Sandy
River to bring Steel Iron Ore from
Tenn and N.C. to the Ohio River.
If this be done it will give
Ashland a boom.

We expect a visit from Wm. W.
Saturday and Sunday next.

All well yours

Affectionately

John Means

To E. C. Means Care Man Inst Technology
Boston Mass

Ashland Dec 1st 1886 -

Francis Cooke

I send you Rose's letter - Aunt May Means & Sampson are now in N. Y. I think Rose will come home with them - We are having cold weather now am putting sweet potatoes in Hanks room & the cellar - I raised forty bushels this year & we have been eating them fast as we can - Bess was over yesterday, amusing herself over the Mc Kenzie's - Charlie's horses were sold by the A.C. & J. Dr. Rice gave \$125 for the one of the Abdallah Lexington stock - it cost \$100. + about \$50. more before it was born & \$150. - Mrs. Gaylord was furious because Dr. Rice wouldn't sell it again to her & "she told him too, that she wanted it for Alse" - however she bought the other

colt for \$100 - for Mrs. McKee -
Mrs Gaylord has sold her machine
shop for \$4000 - to Kuebach & I weavers
so I suppose she feels rich enough
to buy a colt - for a young man with
\$1100 salary to pay \$150 for a colt by
it was born - seems rather extravagant
would help to explain where the \$19000
went to which some people are so puzzled
about - I see Helen Dool will be in
Boston - I wonder if she will take
it so hard to find you as Miss
Blockson - Duse was down to
Sam Savage's party - but was not looking
very pretty so I heard - I suppose you
will be pleased to hear that Bess
has a dog - one of Walker's dog's pups -
a white & yellow round - & Charlie Means
has concluded to make my night mis-
erable by getting him a pup & putting
his dog house right across from my window
it begins to howl in the morning at 5
A.M. it keeps up a steady howl till
morning - so I suppose I shall never
have any more sleep I think it is
very mean of him - if you buy any ^{Liburnes}
there will be a piece in one about Grandpa Means
& the Big Sandy railroad - there is to be a new one -
Elephant truck oil & gas at Paetobus -
Love & kisses from Mother

The society is a very nice one,
not expensive and of considerable
assistance in passing examinations.
At the meetings papers are read
on various mining & metallurgical
subjects -

Did the gentlemen from N.C.
and Tenn. purchase any land
in Ashland? or were they
seeking pecuniary assistance
to help build the road?

Please ask Mr. Perrin if ^{any} ~~any~~
carrying $9\frac{1}{2}\%$ of metallic manganese
would be worth much for spiegel.

With love to all

Your affson

B. C. Mead

Recd 10th

Boston Mass

Dec 5th 1886

Dear Father:

Your letter con-
taining draft on New York for
one hundred dollars (\$100.00) was
received yesterday, and I am
very much obliged to you for it.

Mr. John Hagar and Miss
Flye passed through Boston
yesterday. I called on them
in the morning at the Ameri-
can House - Miss Flye went
shopping while Mr. Hagar & I
went up to that portion of
Boston in which the Institute
is located - We walked around
Trinity Square and looked at
the architecture of the place
and then entered the Art Museum

where we spent an hour looking at the paintings, statues, mummies etc. We then parted, he going to the water front to look at the shipping and I to the Tech to attend a lecture on Geology and to examine a shark's tooth found in the middle of the ocean, the shark having died about 1,000,000 years ago. We did not meet again as they departed at 3 PM for the West. Although I saw but little of them I was very much pleased to see as much as I did. This year I have seen more home folks than in the two previous years together.

To day we are having a snow storm, the first of any importance this season.

Yesterday the ice was frozen so that skating was good.

I was very sorry to learn that Eva Meaur is in such poor health. She seemed to be well and strong last summer when I was at home.

My cold is better but is not well.

Last week I was initiated into a society composed entirely of students studying mining engineering at the Tech. Some parts of the outside initiation were very amusing. I had to run over to Bunker Hill climb the monument and return inside of an hour. I made the trip in 59 minutes. Then I had to wear a large badge with bells attached to it, on the outside of my coat, and a low flat hat about 5 years out of style. And finally sell newspapers on the street near the Parker House.

I am almost sure I will
be here on Fri and get
home Sat the 17th whether
I go comes then or not.

Woodhaven N. Y.
Dec. 6th 1886

Dear Father

We were very
much pleased to receive letters
from you Friday and Saturday
evenings containing the drafts
for \$6.00 and \$5.00. And I write
at the first opportunity to
thank you for them.

Lily took Mrs Maynard home
Thurs. and returned Fri. and I
went over to N. Y. with them
and called on the Aunts, and
came back at noon and Annie
Hickens one of my Packer friends
spent the afternoon with me
and Sat. Lily and I spent in

Brooklyn and New York. We made
an engagement with the Quits
to come and spend the day
with us tomorrow, and it
snowed all day yesterday
and is now and cold and I
am a little afraid they will
not want to come but we
hope they will not stop for
the weather.

Yesterday Lily and I went
up to the Church thro' the
snow and found just two there
and one more the last to come
but we made up the two so
~~the~~ Mr. Luther preached a short
sermon, he says two is his limit
and he never preaches to less.
and he saved his Faith-cure sermon
for another Sunday. He came
back to dinner with us, and
as he is very entertaining we had
a very pleasant time. He told
us about the first child he

baptized. it was to be called ^{Nicholas-}James
and he started to say Mary Emma
when the mother stopped him
by saying Mr. ^{Nicholas} James

The little boy is called Mary Emma
yet by a few people.

Mr Maynard had a busy
day, as the water pipe froze
in the kitchen and then after
they had worked with it all
morning it burst and they
were working with it ^{all} day.

It certainly is a great luxury
having the water all thro' the
house, and it is certainly a great care.

It did not run as cold Sat.
night as Fri night but it froze
the pipe quite solid and they
can not get any more water in
the tank today but there is enough
there to last for a day or two.

I have not heard Aunt
Gray say what day she would
start home next week, but suppose

we will come together.

Lily has fully decided that
she can not leave her ^{husband} ~~mother~~ Lily says
to come home with me, but
says she will promise to come
home with you the next time
you come, ^{if it is convenient} and then Mr Maynard
can come out and come home
with her and I am afraid she
will not come until he can come
out too. It is very busy now as Mr
Alfred G. is not there to help him
as much as he ^{is not very well} should be, and it
leaves so much more for him to do.
He began to make some estimates
last week and it will take him
all winter to go thro with all of them
as Mr Smith can not give him much
help and none of the others know how.
It is so much work going thro all the
little pieces, he will do some of it
over here at night.

With much love to all, and
again thanking you for the money-
lovingly yours Rose.

Ashland Dec 13th 1886 -

My Dear Cooke

I send you
Lily's last letter - We are
looking for Rose home this
week with her Aunt - Bess
is coming up this afternoon
to buy Christmas things for your
father, to present to his numerous
nephewes - I have a bad
cold. as also, your father -
Bess family are well - The
baby is learning to sing & is
getting fatter every day. Can almost
sit alone - John Hager told
me he saw you & you were
looking thin - I am sorry to
hear it - Ashland is very

Dull - Harry is working hard
+ making some mistakes -
They have started him on \$25.
a month - Willard was to pay
him \$30 for his Hanging Rock
work, but has not sent it yet -
Sam gets Kroger's place + \$80 a
month - but he only got \$25 when
he began, where Harry is - The
Directors wanted your Father to call
on Mrs. McKraige + see how much
she would give up, of her house + grounds
I am anxious to hear the result - I shall
be surprised if she gives up anything -
Charles' dog howls night + keeps me
awake - I feel quite discouraged
over the prospect of any more sleep
with him for a neighbor -

I will write again before Christmas

Love + kisses

from Mother -

JOHN MEANS.

Ashland, Ky., 13th June, 1886

My dear Leck

Yours of 5th inst came duly to hand. We also have seen Mr Hager, who seemed pleased with his visit in Boston. We had a snowstorm too on the 4th and 5th. Uncle Will came Saturday 4th and stayed until Monday. Aunt Martha came with him as far as Ironton. They went home in Monday's boat. Have had ice in River all the past week, keeping back late the boats, which however missed no trips. The Tenn gentlemen are not looking to purchase land in Ashland, but how to get men to sell their Iron Ore - C.P. Perin left last week for Wheeling. a Mr. Shers taking his place at the furnace. P. thinks to improve himself in the Steel practice, and may try for a situation at the Norton, if they put in a Steel plant. I don't think $9\frac{1}{2}$ per cent man enough to be of much value. Walker so far has not improved in the work of the furnace, taking too much fuel and not enough product to please me. Both furnaces however have done the same. The Ashland better than Norton.

We had meeting Wednesday 8th of directors
of A. C. & S. R. Co. All present. Made
a dividend one D per p payable 15th inst.
They authorized building another Locomotive
Roberts thinks he can buy the boiler and
heavy parts from shops better fitted
for such work, and make the others
here, and get up a better engine than
we can buy for same cost. Harry
drew the first money earned as wages
Saturday last. And has something to
buy Christmas presents - I enclosed
fixed draft forty (\$40⁰⁰) for my Christmas
and birthday present - We look for
Aunt Maggie and Rose next Saturday 18th
instant and shall be glad to see Rose
home again. Was down at seasons
last night. Baby has quit talking
and tries to sing. Mother and Tom
will

Affectionately yours
John McLean

We are to have Friday &
Saturday (24th & 25th) for holidays.
The laboratories are to be open
on Friday and I think that
I shall work all day -

With much love and a
Merry Christmas to all

Your aff. son,

E. C. Means

Recd
24th

Boston, Mass.
Dec. 16th 1886.

Dear Father:

Your welcome
letter was received yesterday.
It contained your splendid
Christmas present to me and
I thank you very much for it.

Was sorry to learn that
Mr. Perrin has left Oakland
and the Norton, and hope that
he will return when the
steel plant is erected.

It is pleasant to learn that
the A. C. & S. have commenced
to pay dividends even though
it be only one (1) percent. Do
you think there will be another
dividend in the spring?

How is the Norton getting along
on iron nails?

Today we have had another snow storm, and thermometer shows a considerable fall in temperature -

Last Friday night a party of 24 from our class went out to Lexington in a large sleigh, we all had a good time and made noise enough to satisfy the most hilarious. We ate supper at the Mass. House and returned about 1 A.M. This was the first time I have been sleighing in Boston and will probably be the last -

Saturday afternoon we went to the Fraternity dance at the M. I. T. Gymnasium but as the crowd was small and feeling rather tired from the sleigh ride I did not enjoy myself -

Have commenced to analyze the Low Moor slag that I brought on with me - Have finished the analysis of the iron with the exception of the manganese, which seems to vary in the pig - Results vary from 0.52% to 0.80% -

Prof. Richards will not return to the school until some time next term - We miss him very much - There seems to be a great deal of typhoid fever here this winter -

In volume II, Transactions A. I. M. E. I found an account of Mr. Skeldings' opening the chilled Lucy furnace by means of a mortar and balls -

The afternoons of this week have been spent buying Christmas presents which I will send home in a few days -

JOHN MEANS.

Ashland, Ky., 27th December, 1886.

Mr. E. C. Meany

Man, Inst. Technology, Boston Mass -

My Dear Sir

Yours of 16th inst came duly to hand, also of later date to mother. Enclosed find N.Y. draft as requested for twenty-two (\$22⁰⁰/₁₀₀) dollars, for A.C. & S. Check dividend.

Our purpose in making so small a dividend was that we may sooner pay another, probably in March, if business holds, as well as now. We have paid for work on Furnace No. 2, as it progresses and money accumulated on our hands. If McKenzie had not anticipated us we might have doubled the last dividend. The Norton has been running steadily but Nails are slow of sale, and they are carrying pretty large stock, which they hope to sell at paying prices in the Spring. Jim was over to tea with us last week and on Christmas day, are with Will & Ben

Dined at Father's, and spent very pleasant afternoon. Your presents came that evening in time for mother to spread all on table together for inspection. Although the visiting cards and plate, I should hardly have thought to buy for myself. You could not have hit on anything better. The Wintlets will come in nicely when I dine.

Surviving to day, but not very cold. I think you will not have much snow time in Liby than you can enjoy in a visit to Liby, and that a visit to Washington at some other time will be pleasant. W. is pretty cold at that time, and the distances between objects of interest must be great for cold weather. I expect to be there 18th prox with the Ohio River Com —

Remember me to Woodward and his family —

Affectionately yours

John Deane

CASH STATEMENT

OF THE CONDITION OF THE

Cincinnati, Portsmouth, Big Sandy & Pomeroy

PACKET CO.

December 31, 1886.

RECEIPTS FROM ALL SOURCES.

Cash on hand January 1, 1886		
Steamer Bostona	\$3,164 58	
" Big Sandy	20,726 93	
" Telegraph	20,019 05	
" Bonanza	19,616 03	
" St. Lawrence	16,743 08	
" L. A. Sherley	18,886 73	
Chartered Boats	5,574 33	
Mail Account	4,285 68	
Wharf Account	6,963 54	
Dividend Memphis Packet Co	3,043 00	
Dividend Con. Boat Store Co.	7,000 00	
Interest Account	4,500 00	
Stock Account (Mail Line Loan)	7,768 99	
Rebates on Supplies	8,720 00	
Wrecking Account, sale of old boiler	1,079 22	
	100 50	\$148,191 66

EXPENDITURES.

Paid Repairs and Insurance on Packets	24,478 93	
" Wharf Boat Repairs	757 97	
" Salaries	13,780 00	
" Taxes	2,498 03	
" Expense Stationery, Incidentals, etc.	2,175 89	
" Cincinnati Wharf Boat 1-48	250 00	
" Cincinnati Wharf Boat Advances	389 42	
" Wharf Account, Rent and Improvement	1,628 28	
" Loss and Damage rebates	347 01	
" Loss Chartered Boats	382 72	
" Coal Account	242 27	
" Accounts Payable	6,217 31	
" Bills Payable	52,220 00	
" Dividend 10 % on Capital Stock	29,940 00	
" Con. Boat Store Stock 50 %	2,500 00	
Cash on hand December 31, 1886	10,383 83	\$148,191 66

RESOURCES.

Steamer Big Sandy	65,000 00	
" Bonanza	58,000 00	
" Bostona	50,000 00	
" Telegraph	40,000 00	
" St. Lawrence	30,000 00	
" L. A. Sherley	8,000 00	
Cincinnati Wharf Boat 39-48	12,125 00	
Big Sandy Wharf Boat	27,500 00	
Stock Account	144,760 00	
Cash on hand	10,383 00	\$445,768 00

LIABILITIES.

Capital Stock, 2994 Shares	299,400 00	
Bills Payable, (Insurance Notes)	7,050 00	
Accounts Payable	5,106 88	\$311,556 88
Surplus over Liabilities		\$134,211 12

[OVER.]

Surplus \$76,211.12

Detailed Report of Repairs and Expenses.

	EARNINGS.	REPAIRS AND INSURANCE.	NET EARNINGS.
Bostona	\$20,726 93	\$12,912 92	\$ 7,814 01
Big Sandy.....	20,019 05	3,814 09	16,204 96
Telegraph.....	19,616 03	7,427 01	12,189 02
Bonanza.....	16,743 08	3,627 71	13,115 37
St. Lawrence.....	18,886 73	6,844 15	12,042 58
L. A. Sherley.....	5,574 33	2,009 93	3,564 40
Chartered Boats.....			3,902 96
Mail Account.....			6,963 54
Wharf Account.....	3,043 00	1,628 28	1,414 72
Interest.....			7,768 99
Rebates on Supplies.....			1,079 22
Wrecking Account.....			100 50
Dividend M. & C. Packet Co.....			7,000 00
Dividend Con. Boat Store.....			4,500 00
			\$97,660 27
Deduct Wharf Boat Repairs.....		\$ 757 97	
“ Salaries.....		13,780 00	
“ Taxes.....		2,498 03	
“ Expense Account.....		2,175 89	
“ Loss and Damage.....		347 01	
			\$19,558 90
Net Profit.....			\$78,101 37

Dividends 10 per cent paid

29,940

\$ 108,041.37

L. R. KECK, Treasurer.

January 1, 1887.

6

Ashland Dec 1888 -

My Dear Cooke

Enclosed please find Post office order for five dollars - Two dollars are for your birthday and three dollars for you to buy yourself a Christmas present - I enclose a letter from Rose & we look for her tomorrow morning - We have a tolerable deep snow on the ground & still snowing - I suppose you received your A.C. & V. dividend - the first they have made for thirteen years and your father said it would have been double, if Charlie McEwen had not stolen that \$19000 - So we can all feel it now.

Particularly the Cobs, as most of
their property is in the A.C. & I.

Alex. takes Care of the ^{two} horses & does
the ^{house} work. She will be as smart as Mrs
Sharl, who used to be her own groom -
Everybody talks about Christmas presents
buying them &c - Our S. School
will have a tree & exercises - some
tableaux &c & candy - Eva & Lymie & Lennie
Russel are expected from the City -
I suppose we will be a little
more lively when Rose comes - it
is fearfully dull here now -
John Hager says you look thin -
Don't Kill yourself off with Boston
colds - You ought to spend
Christmas with Lily -

Love & Kisses

from

Mother -

1886?

I send you a list of the presents
that you may know those which
are not marked -

For your-self - a Satchel -

" Mother 2 doz spoons & a Hair receiver

Hilduth - Gateley's N. Educator

Bessie - Table cloth

Will S. - cribbage board

Rose Seal cap, silk handkerchief

Harry - Razor, strop, brush, cribbage board

Aunt Mollie - Album - silk handkerchief

Aunt Maggie - scrap basket & fruit

Kate - hand bag

Henry - Kamap pruning scissors

Lillie Herbst - cloth for dress

Lillie Campbell - Plush work box

Charlie Meant, candy, two books -

Mrs Ireland - Box H and kerchiefs

Mrs Chaffee - books and Potato Fryer -

Candy Rose Undervests which Rose
ordered -

Dear Cooke I send you
Lily's last letter. As
you speak of visiting her
~~so~~ soon - I want to remind
you that I hope you will
adhere to your temperance
principles & refuse anything
to drink that will probably
be offered you there. I wish
Lily would keep house - so that
I could think of your visiting

her with some pleasure -

Charles Oaten & wife 4 86 acres

Deed dated 16th June 1883

Recorded Book #12 page 270 - 7th July 1883

→ Same description as Alexander deed

William J. Nicholls & wife 7 acres

Deed dated Mar 15th - 1861

Recorded deed book No 1 page 114 - ^{filed} 15th Mar 1861

T.H. Means & others 150 x 300 ft

Deed dated Aug 12th 1895

Recorded Deed book 28 page 50 -

John C. Hopkins Commission
Ashland Imp Co etc 24 acres

Deed dated 20th May 1899

Recorded deed book 27 page 512

Less 2 sales for schools

Louis Blouin & wife

lots 54 & 55 Range 2 West Winchester Ave.

7th Nov 1863 -

Recorded Book No 1 page 393 & 394

Filed 16th Nov 1863

Peter Smith

lot 56 Range 2 West Winchester Ave corner lot

16th Nov 1863 -

Recorded Deed Book No 1 - Page 407

Holland Cemetery Company Lot 51 - Section 1
Deed dated 13th July 1875 Recorded 16th Jan 1884

✓ Ky Iron Coal & Mfg Co Range 5 West
Lots # 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 & 28
(100x300 Remaining) 300 ft. x 300 ft. 17th Mar 1864
Recorded deed book No 2 Page 330, 331 & 332
From this deed sale to E. J. S. & E. C. M. -

✓ Ky I C & Mfg Co Range 7 West
Lots # 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
300 ft x 300 ft - 20th April 1859
Recorded deed book No Range 14, 15, & 16 -

✓ Ky I C & Mfg Co Range 6 West
Lots # 13, 14, 15, 19, 20, 21 — 300 ft x 150 ft
(House) Deed April 20th 1859
Recorded deed book No pages 46, 47 & 48

✓ (House) Thos M. Means to Jno Means & H. E. his wife
Lots # 16, 17, 18, 22, 23 & 24 Range 6 West
300 ft x 150 ft — 23rd Novem 1865
Recorded Mar 12th 1866 - Deed book No 3 page 5

✓ (House) Harrier A. Haskell
On Waters of Long Branch 182 Acres
Deed 4th Feby 1885 ✓
Comp. postn

✓ Virginia D Alexander 486 acres
Deed dated 30th Sept 1886
Comp. postn Recorded Book # 13 Page 420 - Oct 4th 1886

→ Same description as Oaten deed -

Cemetery—

100 x 300 in front of house

300 x 300 House Square

300 x 300 back of House

Cow pasture $182 + 486 + 7$ acres
1368

150 x 142 1/2 Sewage basin

24 acres Academy

Cincinnati

Richardson Trust