

An quite pleased with the news  
 paper you brought me. have only  
 need a little of it as far -  
 to keep our Polander busy  
 keeping up big fires. Mr  
 Luca the book keeper is coming  
 over to dinner tonight and  
 it will be so cold in the  
 billiard room, that they will  
 have to sit in the dining  
 room or up here in our bed  
 room - we have a very cheerful  
 room and open grate fire  
 and he wants to bring all our  
 company up here. so we will  
 have a game of Whist probably  
 I am going over to see Miss  
 Ida for a little while before it  
 is time to prepare dinner, and  
 shall wear my new shoes which  
 your present gave me. They are

very nice for cold days like this and I thank you again  
 for giving them to me. also the job chair and  
 my Allegator handeled umbrella covered  
 with the set of the money.  
 Justin says to bring  
 Happy New Year to you  
 and Miss Woodhaven, Miss  
 he is cleaning the window  
 Monday afternoon  
 I sent you last  
 the papers containing  
 Grandfather and yourself,  
 and also sent one to  
 Uncle Will, Uncle Lisitow  
 Mr Mack, Preston Means  
 Mr Willard and Capt  
 Houshell, Uncle Will, Charlie  
 and Aunt Mag L. would  
 have sent to Capt Kyle but  
 did not know his address,  
 I hope you had as happy  
 a few years day as we did



Jan 3rd 1887

in my room -  
 they look  
 blue with  
 the feet like

yours at home in the library used to look-  
 you may have done two, and we spent the  
 afternoon and evening with  
 Mrs Smith, it was Mr  
 Smith's birthday and we had  
 a very pleasant time, one  
 of his lady friends in the  
 hotel gave him a birthday  
 cake with sixty candles  
 on it, it looked very  
 pretty, and was quite nice,  
 he made him a fruit nut  
 cake, but the others will  
 enjoy it more than he will  
 as he eats so little cake.  
 We had an elegant dinner

at the hotel and Sister had  
 her usual New Year Egg Nog  
 in her room - she made  
 it the night before. Mr  
 Rutzler was there while we  
 were there and sent his  
 kindest regards to you  
 he is to be in Washington  
 this week the 5<sup>th</sup> or 6<sup>th</sup> probably,  
 wish you and he might meet  
 and come back together  
 Leboke writes me you expect to  
 be in St. soon - he will not be  
 able to come down here before  
 the last of this month to make  
 us visit. This morning the  
 mercury was down to 6, above  
 zero at 7 o'clock so we have had

Ashland Ky Jan 4<sup>th</sup> - 1887 -  
My Dear Cooke

I was very much obliged, for my Christmas present. . . Lily sent me another dozen - also of large Knives - I wanted a small size for supper Knives, so I have sent her's back again & asked her to exchange them - for small ones & would do yours the same, if it was not so far to send them - We have been having a nice time visiting relations - I had all the relatives on this street to dinner Thanksgiving - Grandpa's had the most of them for Christmas dinner & Bess had us all to dine on New Year's - We had a treat at the Church Christmas eve & a very good entertainment - Speeches & Candy

as usual. We have been having  
some very cold weather but today, it  
is warmer. Your father has been at  
home for some time. + Rose is  
busy as usual. She is a young lady  
of so much business that I don't see  
much of her. Harry is quite a business  
man also + works quite hard. - Charles  
McKimpie has gone back to Canada -  
Toronto. His Mother + Mrs. Gaylord went  
to see the Governor to pardon <sup>him</sup> ~~him~~ <sup>+ not to have</sup> ~~him~~ <sup>him arrested</sup> - The John  
Russell saw the Governor afterwards + he said  
he told them, he could not promise them  
anything. The Directors of the A.C.S. offered to pay  
Mrs. McKimpie \$2500 for the house + let the  
rest go on the Stealing debt - but she refused  
to take less than \$5000. + as she only put  
in \$1500 - as far as they knew of. They thought  
they could not pay that. Your father refused  
to sign her petition to the Governor to pardon  
him. I don't expect to call on the family  
again - until she does give up her house.  
It seems a pity Cousin Jim had to go back to  
Boston, as he is so much better in Kansas -  
I hope you take care of yourself this cold  
weather + keep well wrapped up -  
Love + kisses from Mother -

JOHN MEANS.

Ashland, Ky., 5<sup>th</sup> July, 1887

E. C. Meany

Can Mass, Inst, Technology, Boston, Mass.

My Dear Clerk

Yours of 2<sup>nd</sup> inst, came last night  
Herewith find N. Y. draft One hundred (\$100<sup>00</sup>/<sub>100</sub>)  
dollars as requested. I suppose the book  
+ you ask about is, Gunnery or Gunners Chemistry  
of Iron. I have not the book here, to see the title.  
I think it might be well, for you to send  
Shelding the results of your Lowman  
analyses. It would please him, and might  
give him ideas, that would be profit-  
able to the Co. - The Men stood 3<sup>rd</sup> yesterday  
morning here, cold weather has stopped  
about all work excepting in St. B. Stoves at  
N<sup>o</sup> 2. We have chimney about one half up,  
Furnace looks two rings, down corner and  
bridge. Cast House walls about six (6) feet up  
Roberts has the Hoist tower ready to set up as  
soon as we can put down foundations  
A. Furnace and Norton working about as usual

A.  $\frac{3}{4}$  tons Norton  $\frac{1}{2}$  tons Fuel  
out put about 40 tons per day  
Too much fuel, too little output  
and they don't seem to know  
how to better it, ~~now~~ willing to  
try anything but drive along  
in the old out. Am getting tired  
and out of patience too —

All well —

Affectionately Yrs  
John Deane

+ "Blast Furnace Phenomena" Bruner

Monday Jan 9<sup>th</sup> - 87 -

My Dear Cook

I send you  
a part of the Sat. paper  
so you can see from what  
distinguished people you  
are descended - You will  
recognize the pictures as  
taken from Grandfather  
Hildreth's books & the oil  
paintings in the sitting room  
at Uncle George's - Maria's  
people are much excited over  
this Centennial - I look  
for Miss Hildreth on to night  
train & we think of starting  
for Florida tomorrow if all  
goes right - It is turning cold

tonight which will not be so  
pleasant for us - I hope I can  
find it agreeable enough to  
stay four weeks & so break  
up the cold winter - & miss  
some of it - I intend to go farther  
South than I did before, unless  
I find it warm enough to suit  
me in Palatka & St. Augustine -  
Min will make us a visit  
when she returns - Rose &  
Harry attended the week of prayer  
services faithfully except Rose  
went to Chattahoochee one night - Dulia  
goes to Washington this week with  
Col & Mrs. Moore - which I suppose  
accounts for your wanting to go then  
Love & kisses from  
Your aff  
Mother



Jim has written for \$12,000.00  
which he is going to put out  
at interest with a woolen  
Company -

He says that the Boston is  
going to pay a dividend in the  
Spring -

Lily joins me in love to all -  
Hoping to hear from you soon  
Your aff. son  
E. C. Means -

P. S. Miss Jennie Clark and  
Miss Scott were in Boston  
last week -

Answer to Mr.

Woodhaven, N. Y.

Jan 2<sup>nd</sup> 1887.

Dear Father:

Lily wishes me  
to write for both of us this  
morning -

I came over Saturday morning  
having left Boston Friday night  
on the steamer Bristol of the  
Fall River line -

I was examined in  
Geology, German and Mining,  
and was excused from Metallurgy  
in which I passed with credit last  
year, and from Chemistry, Dr.  
Drown saying that my terms  
works and written report being  
sufficient and an examination  
unnecessary - I was very glad  
to be excused from the examinations  
and did not worry as much as usual.

Uncle George wrote me a letter last week saying that he and Mr. Ross are in their usual health and inviting me to visit him next summer.

Yesterday we succeeded in taking pictures of the house, family and some portraits. As I did not bring my complete outfit, Lily and I are today going into the City to purchase a few chemicals and to see Buffalo Bill's Wild West Show.

Mr. Maynard is very busy at the factory and is recovering from a severe cold.

They have not finished taking account of stock and have been working at nights.

Tomorrow night we are going in to see the Smiths and spend the evening.

Wednesday Lily expects them to visit her.

I believe the climate in this place is worse than that in Boston because they have so much thaw and freeze here. In B. the snow lies on the ground to the depth of a foot while here it is bare. Next term I expect to study Geology, German, Chemistry, Mining, General Metallurgy and perhaps Assaying. I am undecided about the latter because it is not related to iron. They do not give any ores of iron to be assayed but only gold, copper, silver, lead, etc. ores.

My report has not yet been sent to me. School commences next Tuesday morning at which time I shall report for work.

So that takes some of the Florida  
trade away - but we have met  
several people who have been  
here <sup>every winter</sup> for 10 or 12 years - There  
were two very nice young ladies in  
the party who went to Lakeland  
with - but most of the travellers  
are ~~old~~ & old people - Florida  
is the paradise for old people  
I dread going home in the cold  
again, as we have had delightful  
weather - & oranges two or 3 times a  
day - He ~~goes~~ <sup>goes</sup> to Palatka  
St. Augustine & Crescent City &  
Piedledge - & he gone in all over  
three weeks from home - Minnie  
wants to see everything - If I had not brought  
her I should have tried to get Minnie  
to come with me - as she said she  
would have come - I hope you  
will take care of yourself in the  
coming cold weather - I have  
had a good visit at Lily's -  
Love & kisses from  
Mother

Sanford Florida  
Jan 24<sup>th</sup> - 1887

My Dear Cora

I will write  
you a line - but I am afraid  
I have forgotten how to direct  
it - Minnie says we have  
had a lovely trip so far  
we stopped 4 days in  
Jacksonville & four in  
Lakeland - one in Tampa  
on Tampa Bay - I in Sanford  
everybody has been very  
nice - we met some  
pleasant Philadelphia  
people & went with them  
to Lakeland - I wanted to  
see the lower part of Florida

So went from here to Tampa blanket & Min under nothing  
Bay - he passed the great but she sheet - it must have  
Orange Belt + I never saw been up to 80 in Church yesterday  
anything like the Orange he have some lovely Palmetto  
Groves - most of them were trees in front of the house & the  
small trees - It looks as if Banana trees are quite green  
Florida might keep the whole he have seen Pine apples  
U.S. states in oranges <sup>down</sup> there are growing here but no coconut -  
5 or 6 nice large Hotels on I am hoping to go to Indian  
the Road - Mullet Park - River today - it is said to be  
Altamont - Kissimmee - + c - Orlando very pretty there - Your old maid  
is quite a flourishing town - I think Corbin Sid Ellison - has a place  
Tom Adams grove is near there there with 4000 pine apples  
I met a lady who told me she growing on it - I should like  
had owned a grove & one tree <sup>in it</sup> to see her - but hardly expect  
4000 oranges - it was so much trouble to find her - I think I shall buy  
to pick & pack them she sold a box of oranges there to send  
it - The Upper St. Johns is very home as they are the finest in  
pretty - much like the Ochlawaha Florida - The hotels are ranging  
I never have been this far all \$4.00 a day - some \$5.00 -  
south beyond - It was so warm The rates to California from Cincinnati  
last night I slept under one are the same this winter as to Florida

JOHN MEANS.

Ashland, Ky., 31st Jan'y, 1887

My dear brother

Yours of 24th inst come duly to hand and gave us pleasure to hear that both yourself and Lily were well. Since its receipt I have been to Lou Moore and Solley Ann to meet Frank Lyman and to consider about work at Solley Ann. We think it best to put up a Washer there this season, and probably one nearly like the old one at Lou Moore, that is one with a shaft rather than the Corey. The weather has been so cold in December & Jan'y that but little work has been done at the Furnace building. With weather as we have it now they will about finish the brickwork of Casting house. The hole, and Mantle plates and Columns are ready and will probably be shipped to S.M. this week. Work on No 2 here has progressed very

little in two months. The smoke  
stack has been finished ready  
for the Iron Work, are trying to  
get foundations for blast in but  
quarrying and dressing stone is  
poor business when freezing  
Walker has given up his place  
to go to Birmingham Ala. Mr  
Perrin is here and will probably  
take the furnace tomorrow.  
Mr Akers at Norton is doing  
about as well as before, neither farmer  
nor what she should and so  
far no one appears able to help  
the matter. The Norton directors met  
last week - and have another meeting next  
week about a steel plant. If it be  
decided to put one up, the profits are  
most likely to be used for that rather  
than for dividends. Am afraid if  
Jim sends his \$12m - to a Woolen Co -  
that he may never see it all  
again. To day we have letter written  
76th by mother also a box of oranges  
sent by her - suppose she is now in  
St Augustine. Writes that she may  
come home last of this week.  
Mr Sally Norton came Saturday night.

all well affectionately

John Deane

Dr. Brown advised me to take assaying not because of its importance to me but because it is an interesting study -

He says that it is never used for iron where any accuracy is desired -

I was astonished that the white slag from Low Moor should contain so much iron 1.1%, but if you grind it up and place a magnet near it you will be convinced that Low Moor slag is very high in iron -

This result lead me into the belief that where the quality <sup>of</sup> iron remained the same, the amount of iron in the slag would vary according to some constituent of the slag, probably lime

Most mixtures would give a black slag with so much iron but the nature of <sup>this</sup> mixture causes the iron to separate into small globules

And 12th

Boston, Mass.  
Feb 6<sup>th</sup> 1887

Dear Father:

Your welcome letter was received a few days since and I was very glad to hear from you -

Monday I left Woodhaven and the Maynards and went over to New York to take the Fall River Line to Boston but the strikers had taken in the men on their wharf so that I had to come by the Stonington Line - The boat was crowded and many could not get rooms but I was fortunate and secured one for myself and a school friend that was aboard

The principal objection to the Stonington line is that the passengers have to get up so early to take the train for Boston at 4.15 AM from Stonington.

Mr. Maynard is working very hard at present but will soon be through with the worst of the taking account of stock -

I called one morning to see Mr. Frank Lyman but was told that he had started that morning for Virginia to meet you - I spent a couple of hours very pleasantly with his assistant and talked iron and steel - He did not know much about Mr. Mack's last strike and from what Woodward tells me I do not blame the men for objecting to Mr. M.'s orders -

Mr. Smith is looking much better than he did last year but is not a well man -

We took dinner with the Smiths on Mr. Maynard's birthday and with Mr. Alfred Grassie last Saturday -

While I have not taken the regular course this term I will have just as much work and study as the regulars -

Geology, German, Mining, Chemistry, Assaying, Political Economy & Metallurgy -

We are having a lecturer in coal mining whom you probably are acquainted with, Mr. Stewart M. Buck from near Camulton N. Va. This is his first experience as a lecturer and he is making a success of it - He is very well informed on the subject and not a local man -



We are having some trying weather at present the mercury bobbing up and down so that ~~it~~ it is impossible to tell what kind of weather the next hour will bring forth -

I received a letter from Mother last week very similar to one read at Woodhaven - She is having such a good time does she wish to return so soon -

Will you please send me One hundred & fifty dollars (\$100) to pay tuition and incidentals -  
with love to all

Your aff son

E. C. Means.

P.S. Will you come on to Boston this time?

NEW-YORK, FEBRUARY 7, 1887.

The Treasurer, in submitting to the Board of Directors of THE LOW MOOR IRON COMPANY OF VIRGINIA, a condensed balance sheet, and the usual semi-annual statements, would call attention to the large amounts charged off to profit and loss, as follows, viz.:

Dividend paid in September,.....	\$18,000 00
Balance against House Erection account,.....	39,472 21
"    "    new Washer    "    .....	15,736 71
"    "    new ore Trestle    "    .....	4,013 89
	<hr/>
	\$77,222 81

reducing the amount standing to the credit of Profit and Loss, June 30th, 1886, from \$199,639.34 to \$122,416.53.

The increased demand and enhanced value of our product, the last four months of the year, make the result of the business for the half year ending December 31st, 1886, what may be considered a very favorable one, Profit and Loss account showing that day a credit of \$185,149.70—a net gain of \$62,730.17.

In addition to this, there has been passed to the credit of Sinking Fund, \$4,348.31, and to Furnace Repairs account, \$1,927.23, after charging this last account with the brick for re-lining the furnace.

Since the Treasurer's statement in September last, the indebtedness for Income Bonds and borrowed money has been reduced \$3,000 on the first and \$25,000 on the last. \$9,310.24 has been paid on account of the new stack.

At the meeting of your Board in November, the Treasurer was authorized to collect from the subscribers for stock under his call of October 23d, 1886, the amount of their subscriptions as may be needed, on ratable calls of not less than 20 per cent, and to issue to the subscribers certificates for their stock when fully paid.

Without some unforeseen occurrence, there will be no difficulty in paying for the alternate stock from the earnings of the Company, without interfering with the regular dividends. Nearly all the stockholders have given their consent to take their proportion of stock.

Owing to the unfavorable weather this winter, the progress has been slow on the alternate stack. "Furnace A." continues to make iron, and, with the careful watching of Mr. Skelding, may do so for some time yet.

The Treasurer would suggest that a dividend of four per cent. (4%) on the capital stock of the Company be declared, payable at the office of the Treasurer on the 15th of March.

Respectfully submitted,

EDWD. A. LOW,  
Treasurer.

date	Dr	Cr
1882 July 1	Receipt	\$15.28
1883 Jan		15.21
July		12.94
84 July		12.90
July		13.00
86 July		13.10
July		12.63
86 July		12.68
July		12.65 <sup>8</sup>
87 July		12.65 <sup>4</sup>
July		13.33 <sup>6</sup>
88 Jan		

**Condensed Balance Sheet.**

Dr. THE LOW MOOR IRON COMPANY OF VIRGINIA, December 31st, 1886. Cr.

Real Estate,.....	\$620,135 41	Capital Stock,.....	\$600,000 00
Low Moor Br. Railroad,.....	69,727 26	Income Bonds,.....	213,000 00
Furnace "B",.....	9,310 24		\$813,000 00
Inventory,.....	281,232 75	Bills Payable,.....	\$23,132 23
Furniture, Agent's House,.....	1,221 37	Stack Mine for ore,.....	3,176 78
		Alleghany Iron Mt. Mining Co.,.....	2,567 54
	\$981,647 03	Wages,.....	6,653 55
Cash with Treasurer,.....	\$32,237 73	Hospital Fund,.....	277 38
" " Agent,.....	2,622 68	Unsettled accounts,.....	32,901 01
			76,814 54
Bills Receivable,.....	\$94,514 20	Sinking Fund,.....	\$36,332 73
Pendencies,.....	4,950 04	Insurance ".....	2,850 78
		Furnace Repairs Fund,.....	39,359 39
T. A. Mack, from sales iron,.....	\$2,905 12		69,742 90
Jno. N. Gordon, ".....	4,067 41	J. F. Winslow, borrowed money,.....	\$10,000 00
E. Pratt & Bro., ".....	2,330 48	A. A. Low, ".....	15,000 00
Sundry parties, ".....	53,209 45	Geo. A. Archer, ".....	18,000 00
	71,702 46		43,000 00
		Profit and Loss account,.....	185,146 70
			\$1,187,704 14
	\$1,187,704 14		

**Inventory.**

Blast No. 3,.....	\$41,070 42
Foundry,.....	663 22
Teams, &c.,.....	3,520 80
House Repairs,.....	1,928 75
Wood,.....	129 50
Iron Products,.....	168,710 00
Transportation,.....	31 53
Farm,.....	519 25
Limestone, No. 1,.....	2,228 24
Store,.....	12,091 29
Mines,.....	51,330 75
	\$281,232 75

**Iron Product.**

8,869 Tons on hand at Low Moor, @ \$12,.....	\$106,788 00
3,670 " at and in transit to New York, @ \$14,.....	51,380 00
736 " in hands of T. A. Mack, Chm., @ \$14,.....	10,304 00
17 " in hands of J. N. Gordon, Rich'd., @ \$14,.....	238 00
13,322 Tons,.....	\$168,710 00

**Iron Made.**

Iron made July,.....	3,588 <sup>25</sup> / <sub>100</sub> tons.
" " August,.....	3,557 <sup>25</sup> / <sub>100</sub> " "
" " September,.....	3,701 <sup>25</sup> / <sub>100</sub> " "
" " October,.....	3,790 <sup>25</sup> / <sub>100</sub> " "
" " November,.....	3,282 <sup>25</sup> / <sub>100</sub> " "
" " December,.....	3,702 <sup>25</sup> / <sub>100</sub> " "
Total for 6 months,.....	21,632 <sup>25</sup> / <sub>100</sub> Tons.

**Ore.**

Ore from Mines, 6 months,.....	24,142 <sup>25</sup> / <sub>100</sub> tons.
" purchased, 6 ".....	24,389 <sup>25</sup> / <sub>100</sub> " "
" consumed, 6 ".....	47,342 <sup>25</sup> / <sub>100</sub> " "
" on hand at Furnace,.....	11,224 <sup>25</sup> / <sub>100</sub> " "
" " Mines,.....	16,043 <sup>25</sup> / <sub>100</sub> " "

**Limestone.**

Limestone from Quarry, 6 months,.....	20,633 <sup>25</sup> / <sub>100</sub> tons.
" consumed, 6 ".....	22,791 <sup>25</sup> / <sub>100</sub> " "
" on hand at Furnace,.....	1,669 <sup>25</sup> / <sub>100</sub> " "
" " Quarry,.....	800 <sup>25</sup> / <sub>100</sub> " "

JOHN MEANS.

Ashland, Ky., 1<sup>st</sup> Feb, 1887.

Mr E. C. Means  
New Inst Technology, Boston Mass  
Dear brother

Yours of 6<sup>th</sup> inst came duly to hand  
Herewith find N. Y. draft indorsed to your  
order. One hundred and fifty (\$150.00) dollars,  
as requested. Was in ~~city~~ <sup>city</sup> ~~Wednesday~~  
met Norton Director, and ~~understands~~ <sup>is</sup>  
putting in a Steel Plank, ~~and~~ <sup>and</sup> ~~has~~ <sup>has</sup>  
Sinton Hylt & Winkler and Will, all well.  
Skidding passed through here to day on  
way to ~~London~~, where my sister Mrs  
Bird died yesterday. ~~My~~ <sup>My</sup> ~~promise~~  
Perin to come up and to write him  
awhile Monday, on his way to ~~London~~  
Perin wants to get points from him on  
to the Luman - Walker has gone to Alaska  
and P. has his place. Changed last week 4<sup>th</sup>  
instant - I leave for ~~London~~ <sup>London</sup> tonight and  
thence Monday to N. Y. Mother will  
leave in N<sup>o</sup> 4 Monday morn and

I join her at Fourmou and go  
together for a short visit to Lily  
but think I can come to Boston  
this trip. Means Kyle & Leo.  
made a six @ per dividend  
on the third. Think A. C. & J. B. Leo  
will pay another one @ per & next  
month - Benin, Will and Baby  
well - Baby has her first tooth.

Affectionately yours  
John Means

Aunt  
25th

Feb. 13. '89

Dear Uncle John -

I am in receipt of a letter from Mr. Horton of the Pomery Salt Co. asking for my certificate of stock. He advises my sending it to my friends in Ashland as they will be asked for this also.

It seems a most peculiar corporation that would keep up its organization, knowing it was going deeper into debt as he says it has been - the officers seem to have had no hesitation in drawing their salaries however, have they?

If I were a large stockholder I think I should wish them to answer several questions.

Why have they never made any

statements thro' all these years.  
If it can not be made to pay  
why do the creditors want it,  
and who are the creditors that  
are so willing to take a losing  
concern. It seems very strange  
that as soon as the settlement of  
an estate demands a mutila-  
tion of the state of affairs, that  
the only hope of escape from litiga-  
tion, should be the presenting of  
all assets to the Hortons.

Five represents a comparatively  
small amount, but I certainly  
do not propose to send it simply  
on their demand. I will await  
your advice, if you will kindly  
write me. and if it is the thing to  
do, I will send it to you, to do  
with as you do with Aunt  
Hattie's.

I hope you are all well.

We have had a very steady cold winter. Since November the sleighing has been good. not even the usual fair. thaw. and the weather not many nights above zero, sometimes  $35^{\circ}$  below.

Our Carnival helped break the winter thro'. The Ice Palace is only a block from our house so we had a fine view of the bombardments. the most magnificent sight one can imagine.

We are both well, and send love to Aunt Hattie and all.

Affec. your niece

Mary H. Edgerton

652 Wabasha St.

St. Paul

Minn



*At Home*  
*after March fifteenth.*  
*Hotel Lafayette.*  
*Philadelphia.*

*Mr. Victor Strobel.*  
*Miss Annie S. Harbaugh.*  
*Married*  
*Thursday, February seventeenth, 1887.*  
*Sewickley, Pennsylvania.*

Form No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an **UNREPEATED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
18	md Ki	107d	
Received at		<b>HOTEL</b> <b>BRUNSWICK</b>	10 27 Feb 18 1887
Dated		Wood Haven L. I., N.Y.	
To		G. C. Means	
Inst of Tech			
mother and self coming			
tonight meet us at			
breakfast Brunswick			
John Means			

appointed yet - The Democratic  
cy are united - Weis, Powell  
Mrs Cecil and Jo Lordin  
are anxious applicants.  
Remember me to Jim and  
family, Epps & Gains.

Affectionately,

John McLean

Atland Ky 26th July 1887

My Dear Lena

After leaving you we had  
a comfortable journey to the city  
reaching Woodham @ 5<sup>o</sup> 45' P.M.  
and found Lily expecting us.  
Next morning I left them @ 8<sup>o</sup> 15'  
and reached home in N<sup>o</sup> 3 on  
time. Some ladies in the car  
put on cloaks and opened windows  
so that in my last <sup>one</sup> hours ride  
I took a cold which has kept my  
nose pretty busy since. Found  
Ben, Minnie, Harry & Tom very well.  
H. R. & M. went to Ironton to a concert  
last night, coming home at mid-  
night. Besie Baby Will and his father  
dined with us yesterday. Baby  
has two teeth now - Mr Russell

was in last night to talk about Bellefonte, Lelauey leaves first of March, Russell wishes Will to go to B.F. to manage, and seems quite anxious to have him. I had a little talk with Will about the matter, told him I thought it a better position than he has with A.C. & Co. - But that he had better talk it over with Bessie, and if they thought favorably of it then to see Russell -

Mr R. had spoken to Will about it before I came home - I am of like to have Will there, and still I hate to have them go, even that far away. Now we can drop in on them so easily and often.

The RR down the river spoils the wagon road, so that we can't go to B.F. as safely as formerly. Had letter from Lizzie last night.

Aunt Buzza is much better than when we were there in June. Able to walk about her room and sit up all day. We heard that "Ma" now says Charley lost our money in stock gambling in N.Y. - Benia is doing as well as Walker did lately, with Roman which is not much, Norton doing about as usual. Letter from Goodwin says Lowbrow still doing well. Have had very heavy rain to day. River is high and is like to get over the banks in many places. We hope not high enough to hurt us here. Yours of 22 to Henry came duly to hand, hope you have recovered from your cold - Minnie H. will stay until Mitten and Lily come. Fms started the type yesterday. Our postmaster has not been

Thank him for his trouble and  
tell him that this is a  
good year for chickens -

Ans. 1/11/87

Boston, Mass.

March 6<sup>th</sup> 1887

Dear Father?

Your welcome  
letter was received a few  
days since. I am very  
sorry to learn of your  
catching cold, because I  
have been unable to get  
rid of my own, and today  
my throat, or rather my  
right tonsil, is so sore that  
it is a very painful operation  
to swallow. I am taking  
medicine for it but it  
seems to remain about the  
same. Dr. Williams seems  
to think that I shall soon  
recover -

Today, the snow has fallen to about the depth of 8 inches and the walking is miserable but as I only go as far as my boarding house it does not matter very much.

Yesterday the annual indoor games open to the amateur athletic associations about Boston were held in our gymnasium - a large number of spectators were present and we succeeded in making a few dollars for the benefit of the football association.

Our tug-of-war team was the best of four - It pained the Harvard men to have us beat them after they had beaten Yale and Princeton.

There was good sparring, jumping, etc.

Cousin Jim departed for S. Carolina a few days after you were here. I have not been around to the house since but the boys have been in to see me.

Prof. Richards has <sup>not</sup> returned from his trip but is expected to do so before the end of this month.

Mr. Buck is to close his lectures on Coal Mining this week.

I am to commence the analysis of gas in a few days.

With love to all and hoping that you are feeling better:

Your aff. son

E. C. Means

P.S. Tell Hildreth he did not send any periods or commas -

Boston Mass.

March 7<sup>th</sup> 1887

Dear Mother:

By this time you have arrived at home and have told them all how thin I was looking when you saw me in Boston.

You might add that at present I have to inhale steam for 15 minutes three times a day, and paint my throat with some sort mixture every time I wish to eat so as to remove the pain when I swallow. Or to sum up that I have the sorest throat I ever had without going to bed.

Last night was the worst to date, even worse than the night before you went away and I do not believe that I slept over  $1\frac{1}{2}$  hours the whole night.

I attended one lecture today, went to see the doctor, bought two bottles of medicine & a tea pot (25¢) in which to generate the steam.

Will not do any more laboratory work until I feel better but will attend all lectures as usual and stay at home nights.

When I started this letter it was to be a postscript to the one written yesterday, that is I want one hundred dollars (\$100) - The doctor charges \$3 a visit and I

know that you would not be happy unless I visited him quite often - when it gets so bad that he has to come and see me I will write at once - He thinks I will commence to improve at once and will soon be all O.K.

There seems to be a great deal of sickness this spring and the drug stores are doing a good business.

Please ask Father to send me the "rubies" we were talking about when he was here.

Give my love to all and believe me to be  
Your aff. son

E. C. Means -

P.S. Don't forget the money -



JOHN MEANS.

Ashland, N.Y., 11th March, 1887

Mr. E. C. Means

New Inst Technology, Boston Mass  
Dear brother

Your letter to me and our  
to mother I find on return from  
Leinti. Where have been to see Mack ~~etc~~  
Expect to leave tomorrow for Orono  
Herewith find N.Y. draft to your order  
One hundred (\$100+) dollars as requested.  
Hope your throat is better, would not advise  
laboratory work until it be well again.  
We are invited to Judge Ireland's for dinner  
and am in pretty much of a hurry.  
Let us hear soon how you are.

Affectionately yours  
John Means

want to - but your father  
says Mack can clear over  
\$10000 if he will sell now &  
your father will clear \$17000 -  
he & Mr Sinton Mr Rodgers &c are  
going down there this week to  
try & sell out. I hope they will, as  
it is not healthy down there for your  
father. I have finished Mr Condit's  
Subscription book & give \$5. for you  
I got within \$7- of what I had last  
Year - The latest in the Mc Kenzie -  
is that Mr Condit preached a little  
on Stealing last Sunday morning &  
& writing & Mrs Mc Kenzie sent for  
him Monday in a great rage & told  
him she wanted him to put a peice  
in the paper, saying he did not refer  
to Charles or herself - The next day she  
cooled down & sent again & told him he  
need not do it - What a talk it would  
have made - if he had published such a  
card - If she can't stand preaching on  
stealing she had better stay at home -  
Hoping that you are better if you could  
With love & kisses yours aff<sup>r</sup> Mother

Ashland Ky March 14<sup>th</sup> - 1857

My Dear Cooke - Your father &  
Lily & I reached home safely  
after our long & tedious trip -  
I suppose you have heard  
from your father, as he said  
he sent you some money - I  
felt uneasy about your cold  
when I saw you fearing it would  
make you sick - I shall be  
heartily glad when you are done  
with Boston & as the English would  
say "its Beathy Climate" - for it  
is at the risk of your life you

remain there - Mimi Hildreth  
has gone home + Lily M is  
enjoying herself in a quiet manner.  
Yesterday the baby was baptized  
she behaved beautifully + looked  
as pretty as a picture + we were  
all quite proud of her - unfortunately  
your father had to go to Alabama  
+ had to leave that morning so  
he did not get to go to church -  
Grandpa Seaton + Ned + Dora +  
Lily Rose Hildreth + Amy + I were there  
+ as the Northern Methodists had no  
church we had a large congregation -  
The parson forgot + came near  
calling her Margaret - but inquiring  
again of Bess - she told him Harriet  
Hildreth - wouldn't I have been  
disgusted if my namesake had  
been baptized Margaret? - Tuesday  
Mrs Pullman has an evening party  
for Lily - she has been invited to  
Mrs. Culbertson's - Grandpa's

Mrs. Ireland's Bess + is going up  
to Col. Movies tonight to stay till  
~~the~~ Tuesday + then Min comes  
back with them - I suppose  
you have heard that Will Seaton  
has concluded to manage Bellefonte  
+ Furnace - I feel very badly  
about it - Poor Bess she don't  
know what a dreary time she  
will have of it but she is par-  
ticularly in the winter - but they  
had it all settled before I got  
home - He gets \$1800. out there +  
his groceries at wholesale - house rent  
+ fuel + coal + horses fed + pastured +  
he thinks his health will be better  
+ he enjoys that kind of business -  
but I feel very sorry for Bess -  
and she is not very joyful over it  
herself - She was so nicely fixed here  
+ everything so comfortable about her -  
it seemed too bad entirely -  
Your father wants to sell out of the  
Alabama Furnace - Mack don't

JOHN MEANS.

Ashland, Ky., 21<sup>st</sup> March, 1887

My Dear Leok

Yours of 15<sup>th</sup> was found on my return Friday (18<sup>th</sup>) from Alabama - Am very glad to hear, that you have gotten out of the Doctors hands, and hope you may soon be entirely well. It is not pleasant to be sick away from home and friends, and then too we feel anxious here about you when we know of your sickness. Messrs Fallis, Sinton, Butler and Rogers went with me to Ala - We found everything well with speculation there. Could have sold our stock in Levee at 50 per cent premium, which is more than it is worth, but parties wished it for speculation purposes. We left the whole matter of selling or holding with Mr Mack.

For my own part my preference is to sell at the prices we

night yet. Stayed with Preston  
while at Oymoor, He has a  
nice wife and my visit was  
a very pleasant one - He  
wished to be remembered to  
you also did Mr Mack -  
Ben and Will came up Friday  
evening after I came - and yesterday  
Baby and all. When they went  
to leave Baby did her best to  
say "By By" to us - She understands  
that a trip is meant when they  
begin to wrap her up and express  
in her way, her delight at the  
occasion. We are all invited  
to Aunt Alexander for dinner  
tomorrow - With Lily and the  
Seaton's we make quite a  
party. Weather was cold but week  
is so now. Not much done in  
gardens, but trees and plants are  
well advanced - Perin got Adelaide  
up to 337 lbs Coal 2.90 which is much  
better than for sometime Norton is  
also improving - Sumner 880 + 860  
Last two weeks heard from - Am  
going there tomorrow night to meet  
Frank Lyman - Kind regards to Jim's  
family - &c &c Affectionately  
John Meant

When the tooth-ache is disposed  
of I suppose something else will  
turn up for my attention.

Generally speaking I feel much  
better than for the last four  
weeks and am improving  
as regards my special ailments.

Last week I received a  
check on the Ash. Nat. Bank  
for some money (\$22). Check was  
issued by the A. C. & S. Ry. Co.

Enclosed you will find it and  
I shall thank you if you  
will have it exchanged for  
a draft on New York and  
returned to me. The draft  
is much more convenient.

Trusting that you are all  
well and sending much love,  
I remain,

your aff. son,  
E. C. Meaus

Ans'd  
25th

Boston, Mass.

March, 23<sup>rd</sup> 1887.

Dear Father:

Your letter of the  
21<sup>st</sup> inst. was received this  
morning. I had supposed that  
by this time you <sup>would</sup> be sold  
out of Oxmoor. Why is it  
that Mr. Mack wishes to hold  
on to his stock while he could  
sell for such a premium?

Low Moor is doing very well  
for such a lining as she has  
inside of her, and I don't believe  
any body but Skelding could  
keep her going as long as she  
has, it looks as if he might  
go on indefinitely making  
between 700 and 800 tons per week  
on this same lining.

One of my school friends advised me to go and consult Dr. David Thayer about my throat, so on last Monday I called on him at his office.

He turned out to be a gentleman that for three years I have seen at the Delta U. Fraternity banquets and so seemed like an old friend.

He at one time lived in Kentucky and was a station master on the "Underground Railway". He is quite an old man and belonged to our fraternity some 49 years ago.

He told me that I had a good pair of lungs and that there was no need of my leaving Boston for the present.

He gave me medicine for my throat and said the trouble was larynxia (?) (or some name like that).

Told me to take the medicine for 10 days and then to visit him again.

Sunday and Monday nights I slept very little on account of an ulcerated tooth, a case similar to the one when I had the measles and to the one I had in Marietta. This makes the third tooth which has so behaved. I had a large hole drilled into it from behind (it is a front tooth), and when the soreness goes out I will have the pulp & nerves removed and the inside of the tooth filled up solid. The dentist says this will prevent its turning black ~~and~~ <sup>as</sup> the other one seems to be doing.

Last week the right side of my face was swollen, this week the left side.

JOHN MEANS.

Ashland, Noy., 38<sup>th</sup> March, 1887

Mr E. C. Means

Man Int, Technology, Boston Mass -

My Dear Sir

Your of 3<sup>rd</sup> of last was found on return from Sudbury. When I spent 24, 5, & 6<sup>th</sup> with Frank Lyman and made visit to Dreyfus. Loan has made 99,000 + tons, and we hope will reach her 110,000 before she goes out, by which time we hope to have the new furnace ready. The casing is up ready for downcomer and twist, the cutting down up and roof is being put on Skelding will begin lining this week - Mack thinks he can do better in selling than we have yet been offered and as through him, we went into Purchase, we desire to give him chance to make all he can out of it. Herewith find N.Y. draft twenty two (<sup>indorsed</sup> \$22) dollar, to your order for A. C. & S. R. Co. Dividend. The work on Furnace has gone on steadily



But am hoping to get along faster as  
weather improves -

Will leave tomorrow night  
for Woodman -

Hope by the time this reaches  
you your throat will be well

Effectively yours  
John Mead

**Annual Statement**

OF

**MEANS, KYLE & CO.,**

FOR

Year Ending March 31, 18<sup>87</sup>

# OHIO FURNACE BALANCES, April 1, 1887

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

STATEMENT showing profits for year ending April 1, 1887

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	
	\$

ASSETS.	
Cash and book accounts,.....	1,332.81
Merchandise,.....	2,728.10
Bills receivable,.....	
Principal office,.....	
Invoice exclusive of iron and merchandise,.....	35,377.05
..... tons pig iron at.....	
..... " " " ".....	
..... " " " ".....	
	\$ 39,437.96
LIABILITIES.	
Book Accounts,.....	3,206.86
Annual gain and loss, to April 1, 18	35,067.51
Gain on <i>W. Dec</i> 3,063.22	
Loss on <i>Ore</i> 1,899.63	
Balance profit for year ending April 1, 1887	1,163.59
	\$ 39,437.96

## REMARKS.

<i>Raw Ore</i>				<i>Burnt Ore</i>	
Cost of one ton at Union Landing,.....		<i>1.58 1/2</i>	Number tons iron made,.....		
.....bushels coal.....at.....			.....Shipped to Hanging Rock		<i>24,492 2/10</i>
..... tons ore.....at.....			..... Whole number cords wood used,.....		
..... " limestone.....at.....			..... " " loads coal.....		
Running up stock,.....			..... " " tons ore.....	<i>Dug</i>	<i>7,644 1/10</i>
Transportation to Union Landing,.....			..... " " " limestone ".....		
Average cost of transportation and commission after leaving Union Landing,.....			No. cords wood to make one load of coal,.....		
Cost of one load charcoal,.....			..... " " " " " " " ton of iron.....		
Average sales per ton,.....	<i>2.80</i>		..... " days furnace was in blast.....		
Merchandise sold,.....	<i>12,799.40</i>		..... " tons daily average product.....		
Net profit on merchandise,.....	<i>3,063.22</i>		..... " " iron sold,.....		
			..... " " 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,.....	2,707.63	To Steamboats,.....	120,000    90,700
Cash,.....		" Sundries by Barge loads,.....	8,700    31,500
Invoice merchandise at New Castle Store,.....	7,003.58	" Retail by Wagon loads,.....	10,333    47,000
Invoice personal property at mines,.....		.....Scioto Valley Ry	7,300    768,500
..... " " " at Hanging Rock,.....	33,074.20	" Quantity on hand,..... <i>Apr 1, 1886</i>	823    2,700
Balance,.....	42,785.41	Total Mined,.....	146,700    936,000
LIABILITIES.		Average Sales per day, to Boats	329    248
Book accounts,.....	4,342.63	" " " " " Ry	20    2,105
Principal office,.....	25,804.62	" " " " " <i>all</i>	401    2,569
Balance,..... <i>after paying off 17,000 ± for betterments</i>	12,638.16	On hand April 1, 1887	1,200    1,000
	\$ 42,785.41		

# PINE GROVE FURNACE BALANCES, April 1, 1887

STATEMENT showing cost of Iron made during blast ending April 1, 1887

STATEMENT showing profits for year ending April 1, 1887

ASSETS.		
Cash,.....		293 26
Hands' Ledger Balances.....		4 811 11
Bills Receivable,.....		214 86
Merchandise,.....		6 383 34
Principal office,..... <i>Pig Iron</i>		8 675 24
Invoice exclusive of iron and merchandise,.....		21 902 97
Balance cost of 4225 tons iron delivered at Hanging Rock,.....		73 799 37
	\$	116 080 15
LIABILITIES.		
Book Accounts,.....		309 10
Hands' ledger balances,.....		6 542 41
Sales---Pig iron.....		85 609 78
Principal Office on Merchandise		19 961 13
Annual gain and loss to April 1, 1887		3 657 73
	\$	116 080 15

ASSETS.		
Cash and book accounts,.....		5 104 37
Merchandise,.....		6 383 34
Bills receivable,.....		214 86
Principal office,.....		
Invoice exclusive of iron and merchandise,.....		21 902 97
417 1/4 tons pig iron at		8 675 24
" " " "		
" " " "		
	\$	42 280 78
LIABILITIES.		
Book Accounts,.....		6 851 51
Annual gain and loss, to April 1, 18		
Principal Office		19 961 13
Gain on Merchandise		3 657 73
Balance profit for year ending April 1, 1887		11 810 41
	\$	42 280 78

## REMARKS.

Cost of one ton at Hanging Rock.....		17 47	Number tons iron made,.....	4 225
2833 bushels coal at 10 69	6 90		Whole number cords wood used, <i>See Land</i>	3 109
2 7/8 tons ore at 1 82	4 91		" " loads coal "	2 561
865 # limestone at 66	25		" " tons ore "	11 407 1/2
Running up stock,.....	4 61		" " " limestone "	1 612
Transp'n to Hanging Rock Landing,.....	80	17 47	No. cords wood to make one load of coal,.....	
Average cost of transportation and commission after leaving Hanging Rock Landing,.....			" " " " " " ton of iron.....	
Average sales per ton,.....		19 85	" days furnace was in blast.....	266
Merchandise sold,.....	23 581 41		" tons daily average product.....	15 7/10
Net profit on merchandise,.....	3 657 73		" " iron sold,.....	6 194 1/2
Cost of one load charcoal,.....	10 69		" " on hand,.....	417 1/4

Furnace commenced blowing <sup>was</sup> April 1, 1886, and blew out <sup>Continued in blast</sup> April 1, 1887

## PRINCIPAL OFFICE, HANGING ROCK, BALANCES.

ASSETS.			LIABILITIES.		
Ohio Iron		85 067 51	Pine Grove Furnace,.....		
Gain and loss to April 1, 18		19 961 13	Ohio Furnace,.....		
Cash,.....		82 217 86	Bills payable,.....		
Bills Receivable... + Part due Notes		67 056 76	Individual Accounts,.....		18 119 34
Individual Accounts.....		24 643 72	Capital Stock,.....		500 000 -
Real Estate,.....		313 429 76			
Coal Works,.....		25 804 62			
Cash Dividends,.....		30 000 -			
Stock Dividends, <i>McCann, Ryb + Co</i>		4 550			
<i>Hamilton Ohio Iron + Coal Co</i>		6 946 10			
<i>Furnaces</i>		50 717 11			
Balances, <i>Construction Co</i>		168 110 60	Balance, <i>Profit + Loss</i>		309 888 83
	\$	827 953 17		\$	827 953 17



— 75 —

Annual Statement  
of.

Nauvoo Insurance  
April 1<sup>st</sup> 1887

# Hamilton Furnace

Statement for the 13 months ending Mar 31 87.  
 Furnace blew in March 16<sup>th</sup> 1886 and has  
 been in operation 332 1/2 days making  
20059 Tons Iron, using -

42067	<sup>384</sup> / <sub>2268</sub>	Tons Ore	11858588
10058	<sup>534</sup> / <sub>2700</sub>	" Coal	1612594
24468	<sup>1236</sup> / <sub>2268</sub>	" Lime	2188397
25183	<sup>837</sup> / <sub>2240</sub>	" Coke	9148423
Labor., including Salaries			4159260
Furnace Exp. (all other expenses not enumerated above.)			1650699

The above amounts for material  
 are costs on "Car and at Wharf"  
 all labor necessary to put in stock  
 floor is included in Labor Exp.

Total cost 30614961

Net proceeds from the sale of 14574 Tons	27419516
On hand. 2485 "	4322632
20059	
Balance - gain -	1124187
	<u>31742148</u> 31742148

## Assets.

Inventories.	
Coke	7946.26
Coal	858.64
Limestone	400.
Ore	6361.26
Iron	43226.32.
Other items	<u>3166.50</u> 61958.98

## Liabilities

Due Principal Office	5041411
Balance - gain -	1124187
	<u>6195898</u> 6195898

Cost of one (1) Ton Limestone  
at Hanging Rock, O.

One 2 $\frac{99}{100}$ Tons @	592	38
Lime 1 $\frac{21}{100}$ " "	109	08
Coal $\frac{50}{100}$ " "	81	05
Coke 1 $\frac{25}{100}$ " "	455	30
Labor	204	13
Other Expenses	82	06
	<u>\$ 1526</u>	<u>100</u>
Expense after leaving Hanging Rock	165	
	<u>\$ 1691</u>	



JOHN MEANS.

Ashland, Noy., 7th April, 1889

E. C. Means

Mass, Inst, Technology, Boston Mass.

My dear Sir

herewith find N.Y. draft  
One hundred (\$100) dollars, bearing for  
Pitts and bank in sight

Yours

John Means

How do you like the photo  
that I sent home last week?  
with best love to all the  
family and to yourself -  
Yours truly  
E. C. Means

Boston, Mass.  
April 11<sup>th</sup>, 1887.

Dear Father:

Your letter contain-  
ing draft on New York, was  
received this morning - Am  
sorry you did not find time  
to write a longer letter -

Last Wednesday night we  
had our class supper - About  
65 were present and all  
had a jolly good time - Our  
toast master, Mr Bradley, was  
very entertaining and succeeded  
in keeping us laughing most  
of the time - The responses to  
the toasts were much better  
than usual, and altogether  
the dinner was the best  
one our class had had -

Thursday our school took a holiday to celebrate fast day.

I was invited out to Cambridge to dinner and later to a progressive candy pull at the same place. Had a very pleasant time and did not succeed in winning the prize, which was a very large candy kiss.

It was won by a charming young lady and I was given the opportunity of presenting it to her.

I took my camera over with me and took a picture of a group.

Jim returned from the South week before last seemingly much better and stronger.

He gave me another picture of Mother which I will enclose. Cousin Mary is still sick in bed.

Today I talked with Dr. Drown about giving up all laboratory work for the year and he thought that it would be advisable.

Prof. Richards has commenced to talk to the boys about another trip through Pennsylvania, and if he concludes to make such a trip he wishes me to help him make preparations. He is going to secure a large number of facts and details about the general workings, numbers of men, etc. so that we can ask questions as if we knew something about the subject. To get these data a large number of papers and reports will have to be looked over and I think it will be of benefit to me to do it.

We have had a week of very nice weather and I feel much better.

the end of the trip one student will write up the subjects of the lines of blast fees, another will write up the methods of charging etc etc.

Each man will be very well informed, if <sup>he</sup> does his duty on one subject at least & ~~it~~ will have acquired considerable knowledge in the art of asking questions so as to get the best results.

Hoping to receive a favorable answer.

Affectionately Yours  
E. C. Means.

P. S. I see A. A. Low & Co get left on a Corner in Tea-

Just

Boston Mass.

April 16<sup>th</sup> 1887

Dear Father:

Prof. Richards has adopted a new plan for gaining information on our coming trip through Peru.

He wishes me to assist to secure data, so that <sup>with</sup> some information at the start, the students will ask intelligent questions and ones which the men will be glad to answer.

He thinks that a better answer will be obtained to the question "Will 8 men be sufficient in the stock house?" than "How many men do you use here?" etc.

We also want to get information

as to:

Specifications - Cost of Construction  
Details of cost of operating - etc -

~~and~~ On these three points, I think that if you choose to help me you can do so -

Could you send me some old reports, from as many different states as possible, showing the items entering into the cost of iron, ~~fuel~~ <sup>or</sup> cost of fuel, ore, labor, interest, insurance etc -

By sending me a few years old it will betray no secrets and give us the information desired. I have written to Cargill for one of Skelding's labor reports for each shift -

You could also send me some items showing costs of construction -

I am spending my spare time looking over books and periodicals which have reports from various furnaces and getting references from the same -

I think that you can understand what I mean and what I want -

We want to have enough information to start with, so that when we visit a furnace and each ~~man~~ <sup>student</sup> has got the answers to the questions assigned him, we can then form a fair estimate of the cost of production as well as knowing the dimensions, methods of operation, etc. etc -

Each student will be assigned one subject for all blast furnaces, another for all steel works, another for all mines visited. So that, at



2 business where you go is valuable  
as well as the information obtained  
in seeing the various workings,  
In questioning business men it is  
well not to put direct questions, but  
rather to draw out, induce them to  
talk where they are apt to tell  
more than they will in answer  
to direct questions, While most men  
like to talk, not many like to tell  
what they consider the 'secrets' of  
their business, but will do it uninten-  
tionally when they get started to "rag".  
On the 8th inst in Court met  
Messrs Fallis, Sinton and Mack  
on Cornish matters, They seem  
now rather inclined to hold  
and not sell out, Frank Lyman  
and myself, will sell to them or  
others giving Frank M. The preference  
Mr C. P. Mead has been making a  
visit in Ashland the past week.  
Sinton has been negotiating with

3 Matt Houston for his Clearwater N. Bank  
Stock @ 115; so far have not traded  
We have had warm dry weather  
for several days. Mer @ 76 + 18th,  
That morning thunder and rain  
and raining to day, Benie & Betty  
left Friday, for a visit in Grand  
supper will return tomorrow.  
Saturday will take "Beach Wagon"  
at 1000pm ammen out after Section  
men out, Farmover doing better  
in lining N° 2, Ham Hoist up, Duroover  
finished, and putting in the lining  
15° 6" dia - Have new Chimney 160' x 8'  
done ~~connected~~ to stoves and in all  
helps the draft very much - Will take  
down the old Chimney, ~~down~~ it and set  
up for new boilers - Think we shall  
make Gas Flue from N° 2 to boilers  
of plate iron and over head - Lumber  
still running about 820 to 850 per cent  
had made over 100 Ed Lins 3rd inst.  
Goodwin however appear to think she

& the yard looks beautiful, so  
full of flowers - <sup>near</sup> All the ladies  
in this street are house cleaning  
& the sound of the tack hammer & the  
beating of carpets is heard all  
along the line - Rose wants to  
know if you got Mr Patterson's  
paries that she sent you a month ago -  
Mr Patterson would like to have  
you go out to see the place they  
came from, some time -

I enjoyed burning up the Photo  
graphs you sent me of myself,  
they were fun - I think you  
can beat him on Photography -  
The Hasbells ~~are~~ <sup>have</sup> advertised to  
sell their house & lots James  
Alphonso & Harry reads his best  
& will write some time -  
I have a lame hand so you  
must appreciate this letter  
as it hurts me to write -  
Love & kisses from  
Mother

Ashland April 18<sup>th</sup> 1887 -  
My Dear Cook

I expect you  
think we are a mean set,  
to write to you so little, but  
I have been so busy - first  
with Lily, then I had the  
Church Social - about 80  
present & we made \$32 - twice  
as much as any of the other ladies  
and twice as many people ready  
at it - So you see what a popular  
woman your beloved Mother is, in  
town - we some of the Northern  
Methodists were present & the  
Southern Methodist came & brought  
us a present of \$5.00 from their  
Sewing Circle, which we thought



was very nice indeed of them -  
Since the Social I have been  
house cleaning - hiring from three  
to four women a day - as I did  
not have the Henrys for the  
Carpets - William (one new man)  
& Rose put them down & did  
it very well - I suppose you heard  
Lonny has bought him a Grocery  
Store & left us for good - in his  
place we have a German man  
who does very well so far -  
I think you had a gay fast  
day - will you please describe  
a progressive Candy pulling - as it  
is something new here -  
We have finished house cleaning  
now & I can rest, till I clean  
the Church - If we should  
conclude to build - I shall  
not clean it - but as the Parson  
has not given a very good  
bigger I think it is very

uncertain whether we build this  
summer - Tom Adams & Abe  
Campbell have bought the  
rick - I hope they will let us have  
one more Church Supper - but I  
think it is uncertain - The Soldiers  
G. A. R. have a Festival here this  
week which Rose is helping to run -  
Bess will soon move out to Belle  
font - She is having some im-  
provements made on the house  
a bay window in her sitting room  
&c - She will have to board  
the three chicks - & I feel afraid  
she will have too much work  
to do - as it will be hard to get  
help out here - The baby keeps  
well & has four teeth - Sam Savage  
will rent Bess' house & the old  
school house, the Episcopalian  
are renting for a Church - We  
are having April Showers today

4-18-87

Maria A. O'Brien

To **Deed.**

A. A. Savage

188

Acknowledged before me in due form, by

Lodged for Record April 18-1887

Recorded in Deed Book No. 14

Page 324 { Tax, - - \$ .50

Fee for Recording, - - - 1.25

Additional Certificate, - - - 25

Additional Tract, - - - -

\$2.00

SEAL OF THE COUNTY

COUNTY OF [unclear]

do hereby open for recording Deed Book

County of [unclear]

SEAL OF THE COUNTY

COUNTY OF [unclear]

do hereby open for recording Deed Book

County of [unclear]

**This Deed,** Between *Maria J O'Brien* of Boone  
County, Kentucky, of the First Part, and *Samuel  
J Savage* of Ashland, Boyd County, Kentucky,  
of the Second Part,

**Witnesseth,** That the said *Party* of the first part, in consideration of *Six*  
*hundred Dollars* of which *One hundred*  
*and fifty (150) Dollars* is in hand paid, and  
for the balance *Three* notes are given, each  
for the sum of *One Hundred and fifty (150)*  
*Dollars*, due respectively, at *One, Two, and*  
*Three* years, all bearing interest from date  
and bearing even date herewith.

<sup>do</sup> hereby sell, grant and convey to the party of the second part, *his* heirs and  
assigns, the following described real estate, to-wit: *Lot number 71,*  
*Range 2 West, in the City of Ashland*  
*Boyd County, Kentucky,* described as  
follows, viz: *Situate on Greenup Avenue,*  
*on the South side thereof, being Corner Lot*  
*at South-west Corner of Said Greenup Ave-*  
*nue and Sixth Street, fronting on Greenup*  
*fifty (50) feet, thence at right angles South-*  
*only and with the line of Lot No. 72, One-*  
*hundred and forty-two <sup>and</sup> one half (142½) feet*  
*to an Alley, thence Eastward with said Alley*  
*to Sixth Street, thence Northward to with*  
*said Street to Greenup Avenue.*

To have and to hold the said Lot, with  
the appurtenances thereto belonging unto  
the party of the Second Part, his heirs and  
assigns forever.

This conveyance is made and ac-  
cepted subject to all the conditions,  
reservations, restrictions and forfeitures  
contained in the Deed of the Kentucky  
Iron, and Coal and Manufacturing Com-  
pany from which the title is derived. The

party of the Second Part being fully aware of the said reservations, conditions, restrictions, and forfeitures referred to in the Deed of said Company.

The party of the First Part covenants to warrant generally the title to the Lot <sup>and</sup> appurtenances hereby conveyed. A sum is retained for the deferred payments.

~~to have and to hold the same with all the rights, privileges and appurtenances thereunto belonging or in any wise appertaining, unto the second party, his heirs and assigns forever, with covenant of General Warranty.~~

WITNESS, her hands, this 4<sup>th</sup> day of April 1887.  
Maria R. O'Brien

STATE OF KENTUCKY,

Boone } Sct.

COUNTY OF ~~BOYD~~

I, *M. T. Garnett* Clerk of ~~Boyd~~ <sup>Boone</sup> County Court,

do certify that the foregoing Deed from *Maria L. O'Brien*  
*to Samuel S. Savage*

was this day produced to me and acknowledged by the grantor to be her act and deed,  
*wherefore the same and this certificate are certified to the proper office for the cord*  
Given under my hand, this *4<sup>th</sup>* day of *April* 188*7*

*M. T. Garnett* Clerk.

By *J. M. Sleet* D. C.

STATE OF KENTUCKY,

} Sct.

COUNTY OF BOYD.

I, *J. M. Prager* Clerk of Boyd County Court,

do certify that the foregoing Deed was this day filed in my office for record; whereupon  
the same with the foregoing and this certificate hath been recorded in my office.

Given under my hand, this *18* day of *April* 188*7*

*J. M. Prager* Clerk.

By \_\_\_\_\_ D. C.

Know all men by these presents, that Samuel S. Savage  
for and in consideration of three hundred (\$300<sup>00</sup>)—  
dollars, paid by John Means, both of Ballard Ky; and that  
said John Means agree and binds himself to pay, the  
principal and interest of three (3) notes of said Samuel S. Savage,  
for the sum of One hundred and fifty (\$150<sup>00</sup>) dollars  
cash, due and payable respectively, at one (1) two (2) and  
three (3) years from the date thereof with interest, and  
dated the fourth (4<sup>th</sup>) day of April 1887, executed  
by said S. S. Savage in favor of Maria L. O'Brien;  
said S. S. Savage hereby sells and conveys to  
said John Means his heirs and assigns,  
all that parcel of land situate in the City of Ballard  
County of Boyd and State of Kentucky, bounded and  
described as follows; beginning at the Western Cor-  
ner of Greenup Avenue and Sixth (6<sup>th</sup>) Street; thence  
Northwesterly with Greenup Avenue fifty (50) feet; thence  
at a right angle from Greenup Av. Southwesterly One  
hundred and forty two and one half (142½) feet to an  
alley; thence Southeasterly with said Alley fifty  
(50) feet to Sixth (6<sup>th</sup>) Street; thence Northeasterly with  
Sixth (6<sup>th</sup>) Street One hundred and forty two and one  
half (142½) feet to the beginning; being Lots Nos. Seven-  
ty one (71) and the Southeast half of seventy seven (77)  
Range Two (2) West; with all the privileges and  
appurtenances thereto belonging, to have and to  
hold the same to said John Means his heirs  
and assigns forever; the same property conveyed  
to said S. S. Savage by Maria L. O'Brien by deed  
dated the fourth (4<sup>th</sup>) day of April 1887, of record in  
the Boyd County Court in Book No 14 page 324  
and the said S. S. Savage will warrant and de-  
fend generally the property hereby conveyed. —

subject to the conditions, reservations, restrictions,  
and forfeitures as to sale of ardent spirits or  
other intoxicating liquors, contained in the  
conveyance of said property by the Kentucky  
Iron Coal and Manufacturing Company,  
against all persons or claims.

In testimony whereof the said S. S. Savage  
and Frances D. Savage — his wife who hereby  
releases all her rights and expectancy of  
dower in said premises, have hereto set  
their hands and seals this \_\_\_\_\_ day  
of April 1887

S. S. Savage Seal  
Frances D. Savage Seal

State of Kentucky }  
County of Boyd } Sct.

James H. Poage Clerk of the Boyd  
County Court Kentucky do hereby certify that  
the foregoing Deed from S. S. Savage & Frances  
D. Savage his wife to John Means was on  
the 25<sup>th</sup> day of April 1887 produced to me in  
my office duly acknowledged by the grantors  
before my deputy John Kelly as appears  
from his endorsement hereon in words and  
figures as follows "Duly acknowledged before  
me by S. S. Savage & Frances D. Savage this  
23<sup>rd</sup> day of April 1887 James H. Poage C. B. C. by John  
Kelly D. C." and lodged for record. Wherefore  
the same together with this certificate hath been  
duly recorded in my office

Given under my hand this 29<sup>th</sup> day of April 1887  
J. H. Poage C. B. C.

44-25-87

S. S. Savage et ux

Deed to

John Means

Duly acknowledged before  
me by S. S. Savage  
and Frances D. Savage  
this 23 day of April 1887

James H. Poage C. B. C.  
by John Kelly D. C.

Lodged for record  
April 25-1887

J. H. Poage C. B. C.

Recorded in

Deed Book No. 15

Page 14

Tax \$1.75

Boston, Mass.

April 27<sup>th</sup> 1888

Dear Father:

You will understand from the enclosed receipt that I am practically broke. My dentist bill proves to be a whale and to meet it my pocket book has been emptied.

Please send me another hundred dollars (\$100.)- I will have to buy a new suit of clothes before I leave this place. Also want to buy some shirts, underclothes shoes, etc.- The trip to Penn not being fully decided upon as to length of time, etc I cannot say how <sup>much</sup> sooner I shall



need-

Outside of Doctor & Dentist bills and extra cost of room & board for this year, my incidental expenses are about the same as last year.

Dentist & Doctors have cost one hundred dollars - Room & board \$50 more than last year.

Nothing new has occurred since I last wrote -

Please send money at once as I have not <sup>or cannot</sup> paid for this week's board.

With love to all,

Your aff. son,

E.C. Means -

An accurate record of all operations is kept at the office.  
Items furnished when requested. Time engaged and not  
used will be charged for. TERMS CASH.

*Mr. E. C. Means*

Boston, *April 27* 188*7*

To J. T. CODMAN, D. M. D., Dr.  
347 Columbus Avenue.

For Professional Services,

\$ *45* *00*

Received Payment,

*(Dentist)*

*John T. Codman*

JOHN MEANS.

Ashland, Ky., 30th April, 1887

Mr E. C. Means

Man, Inst, Technology, Boston Mass.

My Dear Sir

Your wife & dentist. Bill came  
last night. Herewith find N.Y. draft  
indorsed to your order One hundred  
(\$100<sup>00</sup>/<sub>100</sub>) dollars. Better advise me as soon  
as you know how much you may  
need for your trip, as I might  
be from home Wednesday 29th, the  
Norton stockholders selected the old Board  
of directors, who had made five @ per cent  
dividend payable 1 June next. Thursday  
father and myself went to St. Rock, Mo. We  
selected old Board - Had plenty of money  
but made no dividend, thinking it better  
to keep strong in funds, the Iron market  
looking down a little just now.

The Norton Board are all in favor of  
a Steel Plant, And will probably  
put under contract shortly.

2-

Ben left Thursday for Dundas  
expecting to be gone about three  
weeks - Last night we were  
at Post Church Social at  
Ross Puddle. Some kind of  
School Teachers meeting in town  
to day - Have not attended  
and cant answer for it.

"Little Ed Norton" was run over by  
Chattawi Engine, and crushed  
must come off, is like to die.  
Lying drunk on track -

Harry is bearing his life insured  
as he does not expect to live  
long - Dont know to whom  
he will leave the fund -

Unknown still going about  
as usual,

All well -

Affectionately yours

John Meany

I shall leave it with you to decide as to whether you think it advisable to make the trip after calling your attention to two facts -

1. Mr. Clark is a bright and inquisitive gentleman, with a good deal of knowledge on matters pertaining to mining and metallurgy -

2. This will probably be the last chance I shall have to go on such a long trip of such a character -

I also might add that I have never been South -

With love to all:

Your aff. son

E. C. Means

P.S. I forgot to say that Mr. C. said he would be pleased to have me go with him -

Aug 6th

Boston Mass.

May 2<sup>nd</sup> 1887

Dear Father:

Your letter containing a draft on New York for one hundred dollars was received this morning. I thank you for the money -

Prof. Richards informed me that he would be unable to go with a party through Pennsylvania as he at first contemplated.

He does not feel strong enough to undertake such a journey -

He said that Mr. Clark, his assistant and lecturer on mining, was going to make a journey.

a sort of a tour of observation  
I saw Mr. Clark and asked  
for particulars. He said  
that he would not travel  
on any scheduled plan but  
would go to places when  
he thought he could see  
things of especial interest.  
Leaving Boston about the  
1st of June, stopping in  
New York to see the new  
tunnel for the waterworks,  
and ~~also~~ <sup>visiting</sup> the copper works;  
making a short stay at  
Bethlehem and another at  
Steelton; then going South  
through Virginia, visiting  
Turay Cave and the Zinc  
Mines near Waynesborough; then  
the Cranberry Iron Ore beds;  
then the Gold Mines of N.  
Carolina. Finishing up at  
Birmingham and Chattanooga.

He was going for his own  
amusement and instruction  
and might at times take  
short horseback rides to see  
the country. His principal  
intention being to get as  
fair an idea of the South as  
he could in a three weeks  
trip. He does not antici-  
pate spending over \$150<sup>00</sup>  
on the trip.

From what he says I think  
that it will be a nice  
pleasure trip and at the  
same time an instructive  
one so far as it will give  
us an idea of the country.  
But so instructive, however,  
as the one planned and  
abandoned by Prof. Richards.  
considered from the blast fur-  
nace point of view.

JOHN MEANS.

Ashland, Ky., 6th May, 1889

My Dear Book

Your of 2<sup>nd</sup> inst, came duly to hand, Tuesday night I went to Loup River coming home Weds night, We stopped repairing existing engine and cleaning flues. Have made 108 meters and may go to July yet if so 110 @ 2 hrs, Look at thought it might be 1 ad July before No 1 is ready to blow in. The Iron Workers behind for material. Skelding wants you to come before he blow new fire in. As to your trip with Mr Clark I think it may be well for you to visit Pettibone & Steelton. The furnaces I suppose use Anthracite fuel, but you can learn something, at them and about their Steelworks. The Chatteroi Ry was sold yesterday to parties desirous to connect with the Leaning Iron Ore Mines, making that an interesting point to us here. Mr Mack at Ogmore six miles from

2  
Birmingham can give Mr Co-  
about as much information  
about that region as any  
one. Let me know soon what  
you determine on and  
about how much money  
you are like to need <sup>to get</sup>  
out of Boston for home or for  
the trip. You did not mention  
Jim and family in latest letters,  
Has May gotten dull?

Ben put Baby into Stork  
dun last Sunday at which  
~~the~~ youngster seems to be  
well pleased - She enjoys being  
outdoors so much, that she is hard  
to entertain in the house.

All well

Affectionately yours  
John May



Cousin Mary is not very strong but is much better. They go in a sailing vessel and a small one at that - Jim, Hugh & I went through it or rather on it last Sunday -

Jim & I are very glad to know that we are to have a dividend from Norton - But do not express much of an opinion about the steel works -

Hoping that all are well and trusting that you will share this letter with Mother because I owe her a letter;

I am,

Yours affectionately,  
E. C. Means -

Recd  
13<sup>th</sup>

Boston Mass

May 10<sup>th</sup> 1887

Dear Father:

Your letter and that of Mother's came yesterday -

I expected you to say whether you thought the trip would be of benefit to me from a student's point of view - I do not believe that there will be any danger from sickness in June - of course there is a possibility of contracting fever but probably not a very great one -

The programme has been changed so as to make

it a purely southern trip -  
Mr. Clark expects to go from  
here to Baltimore by steamer,  
then south ~~of~~ over the  
Shenandoah Valley R. R. to  
Luray and the Skaternal Bridge  
from there to the Gold Mines,  
then Pocahontas, etc -

He will pay more attention  
to mining than anything else -

Not visiting Pennsylvania,  
it may be that you will  
not approve of the trip. Thinking  
that such might be the case  
and as only Mr. Clark and I  
appear to be going, I have  
not given him a positive  
answer -

If you do not care to have  
me go I shall not be  
dissatisfied nor shall I worry.  
Do not think that I am  
very anxious to go because I am not.

It is simply a question of  
instruction and information -

If I should not go with  
Mr. Clark I shall not leave  
Massachusetts for a week  
after <sup>school</sup> is out except to visit  
some of the points of interest  
near by -

If you wish me to go  
South send \$150<sup>00</sup>, if not  
send \$100<sup>00</sup>, and in either  
case I will return the  
surplus on arrival -

I would like to hear from  
you as soon as possible -

Thursday Cousin Mary  
and Miss Smith are to sail  
for the Azores - Miss  
Jennie Clark is coming on  
to keep house while they  
are gone. or until Hugh  
is out of school -

The river is very high but not high enough to fear any flood. The farmers are all busy ploughing and planting corn and they are saying that they have had quite enough rain for this season.

We have not read very much in Craik's book this week but I believe we can soon finish the first vol.

Hoping that you will not be too busy with the writing next week to write again.

I am lovingly  
your daughter  
Rose

Minnie and Birdie and  
Lou & all.

Fredholm Point  
July 12<sup>th</sup> 1887

Dear Father

I was pleased to receive letters from you, Mother and Bess this week. The first Ashland news I have had since I reached here. If you are having the same kind of weather there that we have had here this week it will not be very nice for Bess to move. We have had storms almost every day for over a week.

and some very hard storms.  
We were invited out to tea  
three times last week and  
it rained each time but  
fortunately for us we were  
able to go between the showers  
and have only been out in  
a heavy rain once. When Minnie  
and I went to Madras Saturday  
morning to get her new hat.

This week we had all of  
the young people from up  
the road - the Mills - come  
Tues. and spend the evening  
and tomorrow we are invited  
to Mrs Gray's at the Mills and  
we are to stay for dinner  
and tea and go out in the  
woods after wild flowers in  
the afternoon and go to  
Leesechoeton on the evening train

and stay till Sat evening.  
The want to go to Gaursville  
some time next week but  
do not know just what day  
until we hear from them  
and I will be home the week  
after. We heard that Aunt  
Sarah can see well enough  
now to go about the house  
without assistance, but she can  
not distinguish people readily.

Minnie will probably be the  
one to go with me but she  
was not fully decided yet.

I thank you for sending  
me the notice of the dividend  
from the Norton.

Please tell Bess that the  
glens and letter came Tues day  
and the glens fit nicely.

JOHN MEANS.

Ashland, Ky., 13th May, 1887

Mr. E. C. Means

Care Institute Technology, Boston Mass.

My Dear Sir

Herewith find N.Y.  
draft Onehundred and fifty  
(\$150<sup>00</sup>/<sub>100</sub>) dollars to your order. I did  
say positively, for you to go with Mr  
Seluck and do not now, but leave  
it to your own judgement. A trip  
to Sunny and Nat Bridge when you have  
already been, I do not think advisable,  
and there is no great advantage for  
you to visit Coal mines especially  
when the formation is regular  
and no great skill required in  
mining. The Chattanooga Ry has  
fallen into the hands of the Charleston  
Cinti & Chicago R.R Co - which means  
to try to build from Ashland to  
the Cranberry Iron Ore Mines N.C., and  
other Iron Ores on that line. If the

intends to visit the country  
 and region thereabout, that  
 is, Western Va and Eastern Tenn and  
 N.C. there are some three or four  
 Counties containing Iron Ore which  
 are like to become of importance  
 to Ashland and vicinity, <sup>to visit.</sup> and well  
 My information and belief is  
 is that steel iron Ore, in and  
 about this corner of these States  
 are nearer to Ashland than any  
 other similar ore, and that Ashland  
 is the nearest market for the ore.  
 And well worth a visit by you and Mr C.  
 Judge Peter was here yesterday  
 at meeting H. J. C. & Co. - left this  
 noon - Show him one of your Photographs  
 of Ashland Lee - He is looking full  
 as young as when here before. Alfred  
 left an invitation for you to visit  
 him - Bessie and Baby moved out  
 to dinner Wednesday 11th <sup>week.</sup>

River is high again - Weather warm

Affectionately  
 John Mead

JOHN MEAD

MASSACHUSETTS INSTITUTE  
OF TECHNOLOGY.

Boston, May 23 1887

My dear Mr. Means;

It gives me  
pleasure to say that your  
analytical work while in the  
Institute has been thoroughly  
satisfactory. As a careful  
and conscientious worker in  
the chemistry of iron and steel  
I should be glad to commend  
you to any one having need  
of your services.

Very truly yours

—  
J. E. C. Means.

Wm. Drown

I have not decided when  
to leave for home but  
will do so later - <sup>2 or 3 weeks.</sup>

will send my books this  
week by freight, "Kanawha  
Dispatch", 60¢ per hundred -  
we have been having warm  
weather for two weeks and  
are now ready for rain -

Write and tell me how  
soon you wish me to  
return and when Mr. Skeld-  
ing wishes to have me at  
Low Moor -

My cough is better -  
with much love to all  
your affection.

E. C. Means.

April  
29th

Boston Mass

May 24<sup>th</sup> 1887

Dear Father:

One more exami-  
nation and my school  
life here is over with -  
Next Friday I have an  
exam. in mining -

I have decided not to  
accompany Mr. Clark on  
his trip but will stay  
in Boston until after the  
graduation exercises -

I have been invited to  
go out to Arlington on  
Decoration day with a  
party of friends from  
Cambridge - We go in a  
Tally Ho with four-in-hand.



This afternoon  
Dr. Brown sent me a  
note asking me to call on  
him at my earliest convenience.  
Not knowing what was  
going to happen I hastened  
to his office - He asked  
me if my plans were  
settled for the future - I told  
him 'yes' in a measure -

He then read me a letter  
from a gentleman, who  
wished the Doctor to recom-  
mend a young man, "not  
a fancy one" but a good  
steady, honest worker to  
go out into Michigan to  
an iron ore mine, to have  
charge of the shipping and  
grading of the ore, to select  
samples and make analysis  
for phosphorus each day -  
The Dr. had selected me for  
the place but I declined -

I do not care to go into  
mining and regular chemical  
work but prefer to hold  
to my original plans, so  
far as practicable -

Do you think I did right  
in not accepting the position?

The Doctor gave me a  
note which can be used  
as a recommendation if  
necessary but which I  
shall keep for my own  
personal satisfaction -

Prof. Richards is also going  
to give me one - and I  
have petitioned the faculty  
for an honorable dismissal  
which will undoubtedly  
be granted -

I called on Miss Jennie  
Clark yesterday - she is  
keeping house for Jim but  
expects soon to return to New York -

Mass Institute of Technology  
Boston May 26 1887  
Mining and Metallurgical Department

Mr. E. C. Means has spent three years with us in the study of subjects especially relating to mining and metallurgy. His conduct has been uniformly that of a man who is acquiring all the information he can and who is striving to have the information in as available form for immediate use as he can.

Mr. Means has my hearty approval and recommendation.

Robert H. Richards

Prof of Mining and Metallurgy

JOHN MEANS.

Ashland, Ky., 27<sup>th</sup> May, 1887

My dear brother

Yours of 24<sup>th</sup> came to hand last evening, and we read it after returning from the Ladies Strawberry Festival at the Park.

Bennie and Baby came up and stayed all night and will go home this afternoon.

Baby sits up on the floor, works herself around, generally advancing Crab fashion in backwards. When she desires to

reach any considerable distance she does it quickest by rolling the way she wishes to go. While we were all

pleased to know that Dr Brown had selected you to recommend gentleman, think you did but not to

accept. You would probably find the climate of Michigan, not much improvement over that of Boston.

And we have enough to look after when we are interested without seeking positions for

This telegram just came in explains itself

salary only. Expect to go to London tomorrow night to meet Frank Lyman and shall probably not come home until after the 1st prox - After that say about the 6th may leave for a trip to the West with Mr Sinton and before some four or more weeks. I think Skelding would like to have you come as soon as you will, and while he is building finishing off the new furnace. Will try to write you from there and advise you about when we may expect to get the new furnace ready. The reports for weeks ending 7th 14th and 21st show increased consumption of fuel and not much No 1 Iron. Am afraid she is getting into bad condition - and may not hold until we get new one ready.

All well  
 Yours truly  
 John Meant

# NEWPORT NEWS AND MISSISSIPPI VALLEY TELEGRAPH LINE.

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M. B. LEONARD, Supt of Telegraph

Send the following message, subject to the above terms, which are hereby agreed to.

To *John Means* *Lawman* 5/27887  
*Ashland*

*Bell and Hopper has  
fallen in furnace  
stopped nothing can be done*

*pleased to have you  
come here answer*

*H W Goodwin*