No 19 Merchants' Exchange

Boston Nov 22 / 45

my own Sir. I enclose a letter to Mr Marshall
in the subject of my own case - I was never more
surprised by the reply - & how it is he & you both
have got the idea that [illegible] one of mine & the two [illegible]
were to be the subject here - But my letter to Marshall
[illegible] delivery, & send to you an memorandum book,
& you must recall the whole transaction. Let me have
the result by return of mail - that I shall on Tuesday morng,
or I go east this afternoon & return next day or so

I have signed & enclosed your Custom papers -
Please send to me the duplicate copy, when you have
the other contracting party's signature to it - I have
no time to read the articles in detail, but trust they
are all as they should be, and as you want them -

Can I get your glass cases at once from
N. York - for the Lincoln case? If not at N. York, write at once
to the manufacturers, & ask him to write me how soon
he can despatch them - send to me here, No 19. Merchants
Exchange & if immediately, to go to with the least delay - I
forward his bill with them for height - If they can be procured
from any jobbing man in N. York, let them come forthwith
On my N. Y. & B. line I should not use them - If not there,
by you by your military direct. Get them, with some time. Have
each them to notify me at once by mail, when I can
have them - If not any sooner, I will dispose with
them -

Send and get to Mr Stebbins & Thomas to
send me the 300 lbs copper as soon as the price reaches
me from - & advise me by return of mail of it - & I
will remit for it -

I will write you again Tuesday - The [illegible] news

P. S. I [illegible] [illegible]

N. Dixie must my expectations, known others may be disappointed - It is but the buying of tickets from all such expenses. Tickets before will take a battery of ten bullet bores & steam, if it can be made to work successfully at all, that a ball through the air, & air of hope would. This before buying how will know a balloon - I have seen the steam of steam boats which be my purchase one with paper to use for that purpose -

Have you had the misfortune to be buying to-day's paper since yet, & left at Bailey's? If not, don't neglect it.

If the matter holds good I should have 40 miles I may 24 & 25 part of Saturday night may to-shall
I have many 85 miles & hour day to night, & you will have additional, I trust, that is made interest -

Yours truly
T. S. Smith

Dr. E. Cornell -
Ithaca

Mr. Ezra Cornell
City of Memphis

New York Nov 23. 1845

My Dear Alonzo

Your letter of the 15th inst was rec'd some days ago but this is the first moment of time I have had to answer it, I think for letters to go to Athens by the way of Mass is not as direct as they might go, but this is an age of improvment and we cant tell what is to come next,

I am glad that you have a new impulse in learning I hope you will go ahead, but dont deceive your self in relation to arithmatic or I may be induced to ask you some simple questions in it that you cant answer, Algebra is worth studdying, I hope you have not got discouraged with it,,

I am glad you have got the letters at last I hope you have commenced a Systematic course of reading, and will improve with them,

Owego, seems to be a "Soaring clown" in the Postage business, but the Soaring in cash is at the loss of time and Dr Franklin, said that "time is Money" if so in this case you can get your State and Pencil and see what the Soaring amounts to,

I dont know what a Telescope would cost
I will see when I have a little leisure,
I have a good Solar Microscope that I will
send up to you if I do not sell it to
a man that has talked of purchasing it,
As to Jupen I suppose that Meek Sharp
& Co could make Jupen fast enough for
you but you are getting to be such a
letter writer, perhaps it would be best to
provide Jupen to the best advantage,
I am sorry to learn that John and Dan
dont get much time to read, and I fear
that they dont improve the time they do
get, if they would improve WELL a little
time in reading and study it would greatly
benefit them, Could you encourage them
to attend to it,
My Section of the D&L extends to Summit
ville New Jersey about 70 miles by the
rout of the wires, a Mr Goell is working
on the other end but he gets along slow,
There is no mistake in the relay Magnet
it is worth 9 times the "first lick" and
the second lick also,
Now that your letter is answered let me
request you to take more pains in writing
or you may at some future day, when you
see your letters again feel ashamed of
them,

I am too tired and sleepy to write more to night, so I will bid you adieu, and trust you will be a good boy,

With affectionate Regard
C. Correll

Martin A. B. Correll

E Cornell
Nov 23rd 1845
N York city

Masten A B Cornell
Ithaca
N Y

8

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Washington Nov. 24th 1845

E. Cornell Esq.

Dear Sir Your favor of the 22d is at hand, as well as that of the

Our regulations will not in the least interfere with the use of boxes by those who wish such an accommodation and are willing to pay for it; but they will apply to the carriers: that is, the company would pay the carriers themselves. But if Messrs Livingston & Co. furnish carriers, we will pay them the ordinary rates. That regulation applies, however, only to such communications as the sender requests to have delivered. Where no such request is made, there will be no obligation to deliver by a carrier.

If with these explanations, Messrs L. & Co. will furnish and fit up an office, let it be done.

The exchange at Philadelphia charges us but $100 per annum for a large room.

Vail tells me the lead pipe in the patent office is not fit to put down, being too thin.

Both experiment is conclusive that the wire may be roped with insulated wire inclosed in a lead pipe. This is the verification of an opinion I have all along expressed and have urged you to make preparation for it. I am sorry it is postponed to the last moment; but as your attention is now upon it exclusively I trust you will have the insulation and the covering with pipe done in the most effectual manner. Put but one wire in a pipe and let the insulation fill the pipe compactly so that no carrier shall be kept filled with air, which, by con-

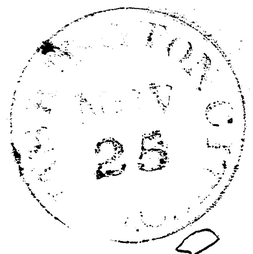
condensing might produce damp. If this be done, the fluid must pass. No India rubber insulation would probably be best; but if that cannot be had, take the best substitute. And though we are all impatient, do not hurry the matter so as to do it ineffectually; for a day more or less is nothing in comparison with the importance of the object.

If one works well, the number may be increased, and by keeping a surplus down, we may keep up communication until we can contrive some security from anchors.

Yours truly

Amos Kendall

New York



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E. Cornell Esq
Sup. Mag. Telegraph
New York

Lockport Nov. 25th 1865

Dear Brother

Yours of the 24th is rcd. this eve. & I will reply instanter. as I want to try & redeem my character.

Saw the first place I have rcd. letters from Vail & Rogers both since I wrote you & Vail sent me one of his large pamphlets. I think he will not speculate any great deal out of them as he says they have cost him 4½ each & he has to retail them at 75.

He has been so manly to send one of them to me that I will aid him what I can in the sale of them.

Rogers has his book out & wants them introduced here.

Prospects are brightening up in this quarter. Our line has not broken since a week ago last Monday. & the thing goes off well. Our rcts. at this office this week have been from 5 6 & 8 dolls. daily.

Easton is getting to write well. On Saturday last about noon he got stuck, could not make his relay go off any more that day but could write to me all the P.M. but did not know it as I could get nothing to him. He cannot account for it but I think his Battery was not quite as strong as it should have been & relay wanted oiling up.

I keep learning something every day. If it continues to go as well as it has for a week I'm not sure but I shall get away from here with a fair reputation yet. if I can get money enough to get away with. I think they use you mean enough but the Co. here will have nothing to do with the line until Mr Wells transfers it to them. which he has not done. Carter will not blame you or Case but little as Mr N. said we must look to the Co. for our pay after the line was put in operation & they wont encourage any one to take charge of it till Mr N transfers it.

I shall try & get enough to pay my expenses up here & back if I can of Mr Mc Kay. I think my initiation into the Tel. business not very money making at least & if I go much further in it I intend to have something more than to pay my board.

I will go via. Ithaca with Pleasure and see if Mary Ann will go to N.Y. with me. & in the mean time I want you to write me at Etna what they will be willing to allow for my services to help start that line. I think if I go there only to help start the thing they ought to pay me at $3 per day. as my travelling expenses will be quite an item; & I will write to Mr Paxton & ascertain what they will do by me & how soon, on their line. Do not direct any more letters to Sackett. Send them to Vanna or Etna. Why dont you let me know how you succeed in crossing the river?

I do not see anything in the papers as yet about the attempt. How many stations are you going to make on the start more than one at N.Y. & one at Phil. Such things would interest me.

I want to know who you expect to have assist you in getting of started if I am not there. Sit down & write me a full letter with all particulars as soon as you rec'd this. Shall try to get away from here the last of this week or first of next. Carter wants me to go via. Buffalo very much when I go. We have not quite Battery enough toward night to work the line successfully. This having a Battery in action the whole time I don't like.

I can think of no more at present that would interest you.

Vail says they take in almost as much as the P.O. between Nash & Balt. - Your bill for Platina I think was $8.75 C. has it.

Yours Very Sincerely

O. E. Braddy

E Connell Esqr

I want you to write when you stop in N.Y. whether on the crown of Nash & Warren or elsewhere.

I can suggest one improvement in your relay magnet. Make it so that it can be more easily got at to oil & also so that you can clean out the pivot hole. Important to certain success.

10

E. Cornell Esq
Telegraph
New York

Thus noon it is snowing finely, has much the
appearance of winter &c

U.S. Mail
25 cents

Howard Hotel Nov. 26th 1864

Mr Cornell

Sir

We are anxious to get the Line from Albany to Utica in operation by the first of January; & in order to do it we want 2 More Machines, & Batting Lufffirs for the Line & we shall depend on your getting them for us of the Quality & Size Luffpirs for the purpose for which they are intended, & at fair Prices and hope you will find it convenient to Sir us Soon as, your attention about the Line in Set ready to be into Operation,

do not forget to improve Every Opportunity to Get our Wire where as for as possible. & in the mean time I hope you will Get your Line to Philadelphia our of the way so that if the rebels & your Forces are wanted we can get them and also from the proximity of the Rebel Wire

Respectfully Yours

J. Fenton

Mr E. Carnell
Present.

Paxton
26. Nov 45

Buffalo Nov 21/45

E Cornel Esqr

Dear Sir

I am in receipt of
yours and am quite surprised that you
have been allowed to wait so long for the
many you have advanced. I cannot attri
=bute to anything but Mr Wells mind being
so much occupied with the trunk + C & E
the bill for $100.00 I handed Mr
McKay (Mr Wells Confidential Man) as he
said he would remit the amount
which was $8.75 I think, Mr McKay left
for NY this A.M.

I have written Mr Wells
about your advances and requested him
to attend to it at once & while I presume
he will do,

I will write you again this eve
if I get time. all goes off well here

Yours in haste
S Barton

E Carnell Esq
10 Wall St
N.Y.

New York Nov 26, 1868

Mr J Dear Sir

I have had for some time past a Mr Fin who is one of the reporters for the Herald assisting me in devising a system of Stenography adopted to my Telegraph instrument and I had an interview with him to day to examine his production, and I am inclined to the opinion that we have the thing very nearly perfect., he had a sentance written out in Morse's characters, the same in our characters in full, which showed a saving in the number of connections of nearly 50 per cent over Morse's, and then again he had it written in Stenography using our characters, which showed a still further saving of 50 per cent over our characters written in full.

Fin has been a reporter in the British house of Parliament for 20 years, and a No of years a reporter of Speaches in this Country, and he says he can see no dificulty in following a Speaker with the Telegraph using the system of characters that we have arranged It requires a resister with two pens to effect it, this on Morse's plan would require two wires, but on my plan, I can work my two pens with one wire, Now the question is when is the proper time to bring this thing forward. I am satisfied that the pen he is expecting more from Morse's Telegraph than I can perform and that they are doomed to disappointment. and a reaction will follow, perhaps that is all well enough, as the Publick would never realize and appreciate a better system without first seing the defects and failure of the present. As soon as you are ready and say go a head I will make a move in the matter I think it will cost about $200, to test the new plan.

and I think with it the full proceedings of Congress can be given to the publick in any part of the country with ease & also the Speeches, and this cannot be done with Moses. We might go on with this at our leisure, and perfect it, and then hold it back until the right time came to present it to the publick. Let me hear from you on the subject and have your views.

F. O. Smith

E. Cornell

Copy of letter Dec 26/45
F. O. J. Smith Nov 26 1845

Washington Nov. 26th 1845

E. Cornell Esq

Dear Sir, Yours of the 21st with your accounts by Mr. Eddy is at hand and I hasten to notice some points in it.

It does not seem to me necessary that the whole of the wire for crossing the river should be upon the reel at the same time. May it not lay in a coil upon the deck of a boat, and, one end of it being fasted twice around the reel and made fast at the shore, be cast off into the river as the boat is rowed slowly across? But little weight would then rest upon the reel at the same time, as it would be cast off as fast as taken up.

It strikes me, that it would be well if not too costly to fasten a strong cord to the pipe, the better to guard against breaking.

Would it not be well to attach a few small buoys to indicate where the wire is, and prevent, as far as a general notice can do it, the anchoring of vessels near the line? I do, as I suppose, the bottom be soft, I have hopes that by due precautions we can preserve our pipe until it shall sink below dragging anchors if we cannot entirely prevent the anchoring of ships near it. At the worst, the danger at Fort Lee is trifling compared with that at the Brooklyn ferry.

<u>Take courage</u>. If the thing be difficult there will be more merit in accomplishing it. And if we fail, we must, for the present, place batteries on both sides

of the river and use visual Telegraphy for crossing, or a boat, or both.

I will endeavor in a day or two to have your account adjusted as you desire; but our only active Trustee is sick.

Your truly
Amos Kendall

E. Cornell Esqr.
New York
N. Y.

New Salk Nov 26th 1845

Dear Sir

Last evening Mr Taylor read a Couple of letters to me one from you and the other from Mr Vail. in answer to his in which he informed you that that the Buffalo & Lockport line had been stopped by Snow.

To me this is nothing Strange or unnatural in the result arising from the Snow Storm I dont think it Conflicts at all with what Mr Wood wrote me on the 9th Inst which I mentioned in one of my letters to you. that the line at Buffalo & Lockport. Runs fur worked better in rainy weather than the Baltimore and Washington line did. I also think that Mr Vail overlooked the Cause of the stoppage by the Snow. And that the parallel drawn between the two lines was not a Correct one It. is a fact. as I have no doubt that Mr Vail will admit that on the N & B. line. there was more Magnetism in the Magnet during rainy or damp weather than in dry and it would Create a necessity for an alteration in the adjustment or otherwise the dots and marks would be run together and distroy the Contacts, The Cause of that has never been Explained to my Satisfactorily. Prof. Morse attributed it to one Cause Dr Paige to another. And others Counties that I have Consulted on the Subject give a different reason from Either and I am Satisfied that more of them have the true Cause yet. this difficulty. let the Cause be what it may is the one that Mr Wood thinks is less formidable on the Buffalo & Lockport line than on the Washington & Baltimore line

It is clear to my mind that this difference in favour of the Buffalo & Lockport line is due to an more perfect mode of insulation at the post for rainy weather but an insulation although as perfect at the post against rain as it can be, it is a very imperfect protection against such a snow as there are in question at Buffalo this was a very wet driving snow and it filled the entire space from the top of the post up to the wire on the Glass Cap forming a connection from the post to the naked wire on the Glass Cap, and doing away with the insulation for the time being. in such a case the wire might as well be Exposed against the post itself. In such a case as this Covered wire would give protection for a rain Storm merely I dont think this would be more of any benifit in the Covering on the wire as an insulation, as the protection that the Glass Caps give at the posts is all that would be needed. I think the Covering of the wire would be beneficial as an insulation in Snowy weather. and would add Strength to it at all times, besides protecting it from injury from handling while being put up. I have been and still am of the opinion that those advantages would Compensate for the expence of Covering. but on learning that those far more interested in the object than myself differ with me in opinion I should not urge my own views.

I have had letters almost daily from wood or Cotter lines they started the Buffalo & Le line and I judge that the principle difficulty that they have had to Contend with has been a poor battery Caused by the Constant action of their defunkt Circuit

and a want of Economies in the management of it. If nothing worse, it will be in the Exact of remedies. We got the bad pipe to day and Commence its Reparations. the Ludia-Rubber has also Come on from Boston for the other wire I Shall have all done as soon as possible. I Shall want the funds to pay for the pipe.

Yours Respectfully
E. Cornell

Jan 4 Rundell

Copy of Letter to
A. Kendall
Nov 26 1845

Wm Cozzens

Utica Nov. 23 d 1845

Mr Carnes

Sir

I have been Looking at Som Rooms in the Exchang Building at Albany & fined Som Difficulty in Letting one that I think will anser the Purpos,

I do not Know what Kind of a plain you want for the Batting. Cupolee If you could Step on to Utica Boat Som night next week & Meet me in Albany We could then Decide Wheather there is any Room in the Exchang that will ans=wer for our Busines,

if there is non there then we Must Look Further & See where one Can be Got,

I Sent you to Seneca by the Bearer a Glass Case With the Wire On it on you Put it on,

Respectfully Yours

J. Eaton

Please write Me what Day you can Meet me at Albany. after Tuesday.

Mr E. Carnell

No. 10. Wall St.

New York

Cor of
C Livingston Esq

Boston. Nov. 27./45

Cornell Esq. Dr Sir — Will you do me the favor to send by the first conveyance on the receipt of this. the two receiving magnets you procured me. also the two recording instruments, with the bill for the same addressed to the care of Hudson & Smith. Merchants Exchange. Boston

The first section of our Boston Offing Telegraph will be finished tonight and we wish to put it in operation immediately

Truly Yours
Jamil. Bolt
Dr Hudson & Smith

Do not fail to send on by first conveyance

The copy of the agreement we retain differs in Article 8th 3d line "will not construct or authorize to be constructed"

in the copy we send Mr K. the words "or authorize to be constructed" are left out

Hudson Vinton
27 Mar 45

Berlin Nov. 28/45

Dear -

Enclosed I send you a record and a
the complete score of your Gavotte
tune. Again I have no time to read
but presume it is all correct -

Mr. Templeton wrote me on the 25th
an autographic letter about the things - You
he would buy it once, but lacks funds -
but it should be paid - says Mr. Rogers on
his return to New York will be ready to
buy it." You should have the money as soon
as I collect it from them - he for the instru-
ments, they have nothing to do with it
But I will work them - never mind about
I will correspond with it. I the whole transac-
tion - there is Mr. Marshall's address
to take them was long before the U.S. Line
had passed him Paris's control -
You will recollect Mr. Marshall wanted
to send me the instruments here by ex-
press. the next day after I left for York,
when he ordered to keep them - I can-
not take them out the U.S. zone - nor
into the Russian one. So I leave the whole
employment in such in a great state of
forwardness - So sorry to leave Mr. L - and thus

must not hesitate in the subject any more. I shall be obliged to do it in the best manner I can, & ask them how it sells if it be not done soon. I have not yet made any use of the note - a document that may not long be available - and as any dollars for Jones, Colson & others expenses as the 100 miles of line between this & Shreveport have been cast upon me thus far to provide - not having received a cent from the Co's funds yet - I am pushed very hardly - Nor did I anticipate the duties & responsibilities that I must have on my statement in 25 to 45 miles of work up to-morrow - & I trust they will attend to it - but I fear not.

I am ashamed to think that there is more beg & bustle in world &c. after all, than real ability & energy & business; but it is, & I am compelled to do it & bustle this time myself. I desire to see what else will have no good a right to own it & use it.

[I forgot to say, I have retained one of the duplicate colors of the Bonds sent, as each has been registered by all parties.]

I shall find out about Colts' warrants as soon as possible. Papers ready. Thos. am busy sweeping out snow, weighs 40 lbs - a calf. I saw one this morning -

We shall relay warrants here not come to hand - Let them come as early -

Yours truly
A. J. Smith

Mr. E. Connell

Mr. E. Cornell

New York City

F O J Smith
28 Nov 45

Washington Nov. 28th 1845

E. Cornell Esqr.

Dear Sir, Enclosed you have Corcoran and Riggs draught on the Bank of America N. Y. for two hundred Dollars ($200.)

Yours of the 26th is at hand. If there be difficulties in crossing the river, you will gain the greater credit for overcoming them.

Yours truly
Amos Kendall

Please call and see
Mr Blunt at 9½ o'clk
Monday a'm

5

E. Cornell Esqr.
Sup. Mag. Telegraph
New York

WASHINGTON CITY
NOV 23

Nov 29, 1845

Philada. Nov 29.
[1845?]

Mr Cornell:

Dear Sir For Mercy's sake,
don't delay sending me at
once two sets of instruments
& just the Lancaster & Har-
risburgh line in operation.
All hands are now waiting.
Don't hesitate to pay extra
wherever you can hunt
the men who are making
instruments for me.

In great haste,

Yours &c. O'Reilly

Send them by the Express. If they should not charge too high for Telegraph matter.

Sam off to Lancaster
this morning.

In haste.

PHILADELPHIA
NOV
29
PA.

Mr. Cornell,
at Liv. & Wells' Express
office, Wall st.
New York.

Philadelphia

Lancaster, Nov 30. 1865.

Mr Cornell, New York:

My dear Sir: Please write to me the name of the person you employed to make those instruments for me in New York. & Address your letter to Philad., where I hope to be on Wednesday, to work on our Philad. & Balt. line. We are all waiting here for those instruments for the Lancaster & Harrisburgh line. The line between New York & Philad. cannot well be worked (the last 70 miles) under a fortnight, if as soon. When I left Philad. on Saturday, the posts were so as probably to be completed that night.

Allow me to request you not to delay sending the instruments to Lancaster, marking on them "In haste", & "with care" - and the Express men about the change of line particularly careful & quick in delivering them. Excuse haste. Let me know the balance & I will remit you.

Yours truly, A. J. Cassatt

PAID

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LANCASTER
NOV
30
Pa.

Mr. Cornell,
Agent Telegraph
Sir. & Wells Express offices

Wall. st.
New York

O'Reilly
30 Nov 45

New York Nov 30. 1845

My Dear Alonzo

I have written my letter to Mother so full that I must inclose it in an other, and to get one for that purpose I write a line to you.

Let me enquire how you get on with the lectures, do you read them and understand them,

How goes the School, have you a good one, and do you improve it well? I hope you can say yes to all such questions,

I want you to be diligent in your studdies, for you will soon be wanted for some thing else, I am a going to have a telegraph from Ithaca to Auburn and you may be wanted to take one of the stations. So you see it is important that you stand improve the time well, while you have a chance to go to School,

And you must encourage Elizabeth and Frank to learn, and to be good scholars.

I have no time to write more to Harriet, Your affectionate Father

E. Corell

Morton A.B.C

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6

Master A.B. Cornell
Ithaca Falls
Ithaca
N.Y

Mrs. Eddy

Ithaca
Jan 30th 1895
A year ago