Ulica Tel Office
Dec 24 1845

Dear Brother

We send you a bbl. of cash by this days stage. I will speak to Mr F as soon as he returns about funds for you.

Send us the Batteries as soon as you can, we want to be at work at them. We want a couple of Galvanometers as soon as they can be made.

You will be wanted on this line no doubt in the spring.

I expect you & Vail will guard 100 miles apart.

I think I can do better than the employ I now am although I shall have some one to help me if I remain here & Carter is determined that I shall.

I can't work all day & all night if I am well paid.

It will take a man most of the time keeping the Batteries in order.

If it takes 75 or 100 cups in the main Battery it will be no small job to attend to them, & the writer cannot do it.

His fingers would be in such order handling acid that he could not write.

Yours Truly

E Cornell Esqr

A Ford

E Cornell Esqr
10 Hale St
N.Y.

O. S. Wood
Brooklyn

Boston Dec 25 / 45

My dear Sir -

I wish you would stop having rolls made for my N.J. trip, & say to Mess Steers & Turner that I prefer to carry the usual way of shipping it - I have a much more convenient & economical way of distributing it

I note bill yesterday, to deliver your platina sheets for me, if you want my instruments - & that if I did not send him a check immediately in receiving his account, which he would furnish the platina at the price I offered, he should have the pair of Hampton & Kelly instruments you have in the basement - & not yet paid for - Now as I should have the platina at "fair terms" - this in reply to my request to say whether he would or would not put it to me at a definite price. I wrote him back.

that "fair terms" left the matter open to misunderstanding - & I would an answer yes or no -

I have trusted too many vague proposals to fall into any more - & hope I shall return so, - I want to know what it is to be the return - exactly - If he furnishes statements, take an account of the cash, & hand it to Mr. Haley for me -

We have a meeting in Newyork on Rector Corp - on the 6th of January. I shall be there then, if not sooner - I want to go to Va - & take that meeting on my return -

I am pressed pounds daily - They do not yet come - I hope for them any hour - If you can keep along, I shall be very glad to accommodate you as soon as in my power - I will loan the Francis bill of magnesia settled upon them - We have been charged to capsd to day 500 more than I wrote - Are they wanted with you ?

Yours truly
Frank Huntington

Mr E. Cornell
Newyork - City -

Lambertville Dec 25th 1845—

Dear Sir

Mr Gadd was here this morning and wished me to write you on the Subject of insufficiency of material to complete the work he tells me he has but about Ten Mils wire. and I know but about Four. which if that be the case that he has no more we Shall lack about Sixty Mils You know how much you Sent him at Philad.a and I have had 14 Reals. now the distance I will give you (as Computed by Mr G— thoug I presume you have it) From the Exchange Phila to Norristown by Telegraph 21 Mils to Doyltown 18 Mils to Lambertville 11 Mls. and from thence to Somerville 26 Miles Making 76 Mls. Now Mr G— Says he had 23 Reals wire Sent to Philadelp.a and he had 8 at Somerville 4 at New Brunswick 2 at Bellville Making 14. Making 37 Reals 148 Mils Except for 74 Miles Telegraph which without allowing anything for the wind accounted the Cuts or the Legs in the wire. or Mistig (which Mr G— Says he had Considerable to do on the Columbia R. Rd.) would fall 2 Miles Short of Completing this End of the Line we Shall have wire Enough to reach a Mile or More beyond the River. Mr G. Says he is putting up 8 Mils pr. day rather Singular he Should have been on the Way So long. From the best Estimate he Could get at from G. Statement. we Shall fall Short in the Neighbourhood

Two hundred Glass Cups. on Opening this subject you can see how the matter stands 3 Boxes Phila. 3 Somvill + 2 B. Lambertville 8 Boxes 240 Doz 2 Bbls Trenton 41 2 + 45 Doz 86 2 Doz 326 2 Doz in all. Allow 2 Rolls to the mile 20 52 Rolls requires 4104 Cups. the 326 2 Doz makes 3918 which will fall Short near 200. 11 without allowing for Breaking which we cant avoid So you see from this Statement we Shall fall Short. of Wire & Cups. Having made the above Statement I know discharged or rather fulfilled a promise made to Mr Gaell this morning You must not Consider this Impertinence. As I take this Course rather than write for 3 Reals of Wire and a Box of Cups as Requested by Mr G. leaving you to decide yourself.

You will Please write me by an Early Mail as we Shall be out of Wire and Cups by Saturday Night. I Shall try and get 2 Reals of Mr. Gaell and go on till I hear from you directing me what Course to pursue. Some of my men wants to return Home I have thought. I have thought of Sending them along the Line to Repair it as they Line down that way. and if we got more Wire to him we can. I discharged one man to day a drinking man. and having to pay him off will leave me Some in debt. him for board.

I. have the pleasure to acknowledge the Receipt of your letter of 23 by yesterdays Mail Enclosed was a letter and a Twenty Dollar Note for which I am much obliged it was very acceptable Com in ply to day

We are progressing as fast as possible. have been very much detained tuesday but have got mostly through I believe. Mr G. has heard most of it down on the other side of the River.

I started last Monday morning in pursuit of Some Cups. (enquired for a letter at this place) found none went to Doptown expecting to find them there but did not. went on to Norristown found Mr G. there he had Come from Rhoad. that morning had the Bill of Sadem for those sent to Trenton gave it to me I Came back to this place hired a horse and wagon and went and got them when I got back to him I found a letter for me Contain the Bill of Sadem

You will see from a Statement of the Finances of the Concern about that we Shall want more funds.

Most Respectfully Yours
L. D. Pain

Jn 74 add

5



E. Cornell Esq

Dep. Superintendent Magnetic Telegraph

New York City

Boards
Scrs. 1848

Philadelphia. Dec 26. 1845.

E. Cornell Esq.

New York.

Dr Sir. The instruments and relay magnets, which we could not use for the reasons mentioned in my letter from Lancaster (to which you replied yesterday,) will be boxed up as soon as the clerk who understands the arrangement can be at Lancaster and Harrisburgh,- from which places he is now absent here, as the difficulty in using those articles you furnished, led us (however reluctantly) to suspend the operation of our lines till Professor Morse could send on the instruments he promised us. I would not for double the cost of the whole instruments have had the delay and trouble occasioned to us by your not furnishing Morse's apparatus as we expected you would from your connexion with or employment in Morse's Telegraph enterprize.

The wire manufacturers inform me that you obtained some wire from them on my account, for wrapping. Will you please inform me the amount thereof; and we will see how our account stands. In returning the Relay Magnets and instruments, you are aware, there would be nothing due you beyond the $100 I paid you in advance. If this wire is to be brought into account (though I would rather you would pay the wire makers than me) it will leave the balance against you.

Yours &c.

Henry O'Reilly

O'Reilly,
26 Sept. 47

Adjutant & Inspector,
Genl. Staff
Mexico

Genl. Scott

5

New York Dec 26. 1845

My Dear Mary Ann

I have this day rec'd your kind favour of the 21st inst, which reminds me that I did not answer yours, as I promised in my note of Sunday evening. I must now redeem that promis by noticing the parts of your letter that require an answer. first I can assure you that I am sorry you could not get affairs in right shape to visit me, but as it is. I must put up with it an trust the hope to visit you.

Your expressions of sympathy in relation to my cloaths, induce me to suspect that you must have visited me Mesmerically, to have learned my condition in that respect, as I have no recollection of having mentioned the subject to you. I thank you for your kind proffers, and can assure you that I am clothed so as to feel quite comfortable, I wear the old gray coat every day. that made the Southern tour with me, and I could if indispensable replenish my wardrobe, for I believe there are some rusty garments in the shops of the city yet. If none in this city was worse off than my self in this respect I am sure there would be much less shivering than I fear there will be between this and Spring.

The subject of clothing brings to my mind, the little circumstance of this morning, I raised a little purse to furnish cloaths for a couple of little girls about the age or a little less than Elizabeth I gave $3. and two of my men gave a dollar each, making five dollars, I now dont know but Elizabeth will have to go without her Mungers book, as the three dollars I gave the little naked Orphan girls to buy a frock with, was the money I had been calculating to buy her books with, but I have no doubt She will say that I have done right when she reflects that these little girls were very poor and raggid and had no father nor Mother to provide for them and get them cloaths, ask her to write me about it and let me know what She thinks and whether She will be sorry and feel disappointed,

I am sorry to hear that the cold has been so intense as to nip your plants, I shall have to make the best good to you in the Spring,

I dont recollect what form that is that John has bought, but if it cuts the the whole family of the Irons that have rays among them it is likely work out some good,

I trust the above will be accepted as an answer to your letter of the 14th. I will now go on with the answer to day,

I can assure you that the receipt of your letters gives me great pleasure, quite as much as mine can give you, I thank you for the regularity with which they are written, and rec?

I expected to hear that Perry had been sick, and am glad you have got master of the disease, he must be a good boy, to pay mother for taking care of him, Your Mesmeric case, is a singular one and may if followed up lead to important results,

Yesterday was Christmas, and I went over to Brooklin on an invitation to a Christmas dinner to Pinkhams, but when I got there I found Ruth sick a bed, she was attacked the night before; Effects of a severe cold, their children grow, and look sweet, and breathing, Pinkham is a solemn man, and provides comfortably for his family, as far as I can judge,

Our boarding house broke up the day, and we are all scattered, I borrowed a key of the foreman and shook it to night in the Tel. Office, No 10 Wall, St and eat at the Sixpence a steal house,

I have got the wires across the river and they work as well as I anticipated, I hope we may get in operation before they get disturbed,

The boys have not yet returned from the line putting up wires, I think they will get through this week,

Shall I send you that muff this winter, if you think best I will do so at once so that you may have the good of it season as possible, Yours Affectionately

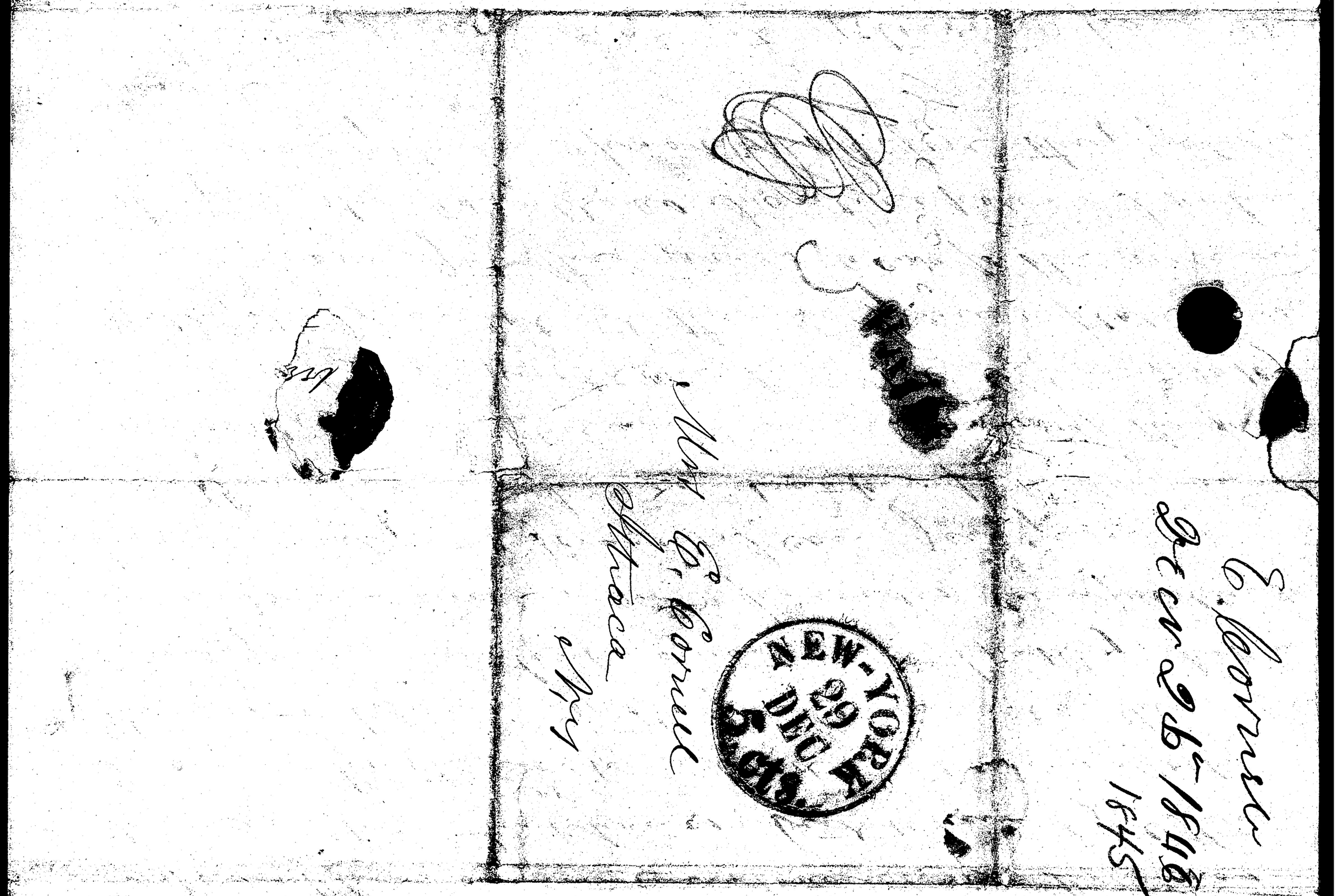
E. Corell

I mean from Mr Kendall to day that my patent is granted. that I applied for so far so good. I soon shall ask for more of them,

Bachelors hall I dont like much I talk of going to board with Pinkham over in Brooklin, Ruth is better,

Affectionately

E C



Sunday Evening Dec 28. My Dear I have held this back since it was written to get time to write to the children, I can now say to you that I think I shall be able to get home and make you a visit in the course of next month, dont depend too much on it, but I will come if I can and it looks now as though I can.

The New Grass books may be delayed a little, I can buy at a discount after the Holidays or own and the books will be just as good,

Utica N.Y. Office
Dec 26 1845

Dear Potter

Yours of the 22nd inst. is at hand for which I thank you as it contains the diagram which I have long wanted to see. I hope you have overcome some of your difficulties ere this especially the "rise crossing". I have had but little faith the whole season of crossing in the manner that you have undertaken although you may yet succeed.

Mr Taxton has not yet returned from Buffalo. Butterfield says you must draw on Livingston for what funds you want & let him draw on Mr Taxton.

I have got my Office about ready for business & should like to have the Relay-magnet & Battery as soon as I can get them. If you can send us all of the Platinas in wider strips I should prefer it as this is too short which is on three cups, & I should like to take it off & put it on the local battery if I could have enough of the wider to supply all the larger cups.

Carlton wants to go to Albany to-morrow & begin to fit up his office. He is fearful that Taylor will insist on my going there if she waits till he returns.

What has become of Mr. Mc. Smith & what is the prospect of business in that quarter for the boys which you have with you?

I hope you will soon get a better place than the N.Y.S. & Phil. line if they are to send Vail up there to help you start.

After you begin to write on the long line, do not practice striking so hard as you did here at the Fair, but dwell a little on the dots particularly the scattering ones. It is a little more time that the dots want instead of a heavier blow. Dont forget this as it will be so much easier for you. Carlton came near to spoiling his fingers by bearing on so hard while at Buffalo & I wrote very easy.

He says he got the impression while here in seeing you bear on so hard when it did not work well that it was force wanting - instead of time. This I have carefully observed & know what it wants.

by several months experience. The wire I understand is being put up rapidly & I hope we shall get ready to start in a week or 10 days.

Dont let your Relay-Magnets come till they are right & then make them pay you for them. $40 is not enough for them.

Let us know how you get on frequently.

Yours with affct. Regards

E. Orrell Esqr.

E. Orrell Wood

V

E Connell Esq
Supt of Telegraph
New York

UTICA
Dec 28
N.Y.

O. S. Mutt
Boston

Philad Dec' 24th 1845

Mr Cornell

Dear Sir I received a letter from Mr Kendall this morning, and he desires me to acquaint you of my plans in testing the wires in route to New York. I have simply to state that I design testing them first from here to Norristown; then to such places along the line as offer suitable conveniences for putting up the instruments. Perhaps New Hope. Somerville and at Newark. I presume you will have tested by the time I get to Newark, the line from Newark to New York, as upon its efficient working will depend the making Newark or New York the terminus at present of the Northern end of the line. Should you have sufficiently tested it: it would be well if you could meet me at Somerville. I am waiting with much anxiety the arrival of the Battery. Mr Kendall writes that he presumes I have received it. I have answered his letter and stated that they are not here, nor can I get any tidings in regard to them. I shall be on the constant lookout for these necessary articles (addressed to Alfred Vail Merchants Exchange Philad) until they arrive. I am now ready to put the line at work and only waiting for the battery. Your earliest reply informing me when you will send the battery will oblige

Yours truly

Alfred Vail

Paid
26. Dec 15

Mr & Mrs
Lee of Kensington
Hull
Yorks





Copy of part of Letter to Mr Kendall

Decr 26. 1845

"I shoo not rec'd your answer to those queries I propounded sometime since, may I hoo from you soon,

I hoo not rec'd a certificate yet of the payment of my subscription to stock, Is it not right that I should have,

If you or Mr Pail desire it, I will step aside and surrender the starting of this line to Mr Pail or who ever else you may desire should do it,

I would stand one moment in the way of the companys best interest, but it is important that I should know soon, what their further pleasure may be,

Yours Respectfully
E. Corlies

Hon A. Kendall.

Copy of a letter to
Mr Kendall 26 Dec
1845

Washington Dec. 26th 1845

Dear Sir

Your letter of the 23d and 24th have come to hand. The results of your experiment upon the wire in the lead pipe are very satisfactory, and Professor Morse sees no reason to doubt that it will work in a more extensive circuit. It will be well to try it from Wall Street to Patterson or Newark. If it will work to those points, the question will be settled.

The current from the pipe satisfies me, that your insulation is not perfect; and I doubt whether it be possible to make a perfect one. The galvanism can get to the pipe only by passing through the insulation.

Your second experiment is remarkable as indicating that the insulated wire, covered with India Rubber, is not so good a conductor as the water.

I wish you to give me a particular description of the manner the wire is insulated, the size of the pipe, the mode of putting the wire in, the proofs of putting it down, and every particular connected with the experiment.

In the second experiment the diagram does not show, nor do you state, in the second experiment, whether in the second and third proofs the negative pole of the battery was connected with the water or not: I presume it was.

The object of sending Mr Vail to Philadelphia was to gain time. We have lost credit by our delays, disappointing public expectation; and my wish is to lose not a moment after the wire is up. Mr Vail has written you, I presume, as to the location of the main battery which he is requested to decide. My wish was and is, that you prepare the Newyork end, and have every thing ready by the time the wire is up. Mr Vail, I trust, will have the other end ready.

When in Newyork last, I was told your services had been engaged on the Buffalo line as soon as in readiness, and on mentioning it to you, understood you to assent to it, and thereupon stated that I expected you ~~to~~ to see our line started. Of course I did not expect your services longer.

As to the young men you mention, I should be in favor of employing them.

A patent has been granted in the case to which you allude in a late letter.

Do you not expose yourself to prosecution by selling relay magnets &c.? As to yours, my advice is that you put yourself to no further expense. It and all others heretofore in use, will be superseded as soon as a new device I have seen tested can be multiplied by the manufacturers.

Yours truly
Amos Kendall

E. Borriell Esq.

E. Cornell Esq
Supt. Mag. Telegraph
New York.

Private — Boston Dec. 27. 45

The Knickerbocker writes me as follows —

"O Reilly's men at Lawrence & Waterbury gave a real account of the Democratic party. His sixteen men work as all & his wagons they cannot make ends. They have been thrown all aside & sent home for mistakes & resignants.

But there has a ruling magnet not known than you first which will surround Roger & all them; but I believe he does not want it talked of just yet. You may rely, when the fact, however; for I have seen it in formation & there no doubt of its success."

You can form your own judgment.
But consider the above as confidential.

Truly yours
F. J. Smith

Hon S Cameron.

S Xmas & Happy —

Mr. E. Cornell -

City of Newyork.

New York, 28. Decr, 1845

Dr Sir

I have never doubted the correctness of your object in sending Mr Vail to Philadelphia to prepare the fixtures at that station for starting the line,
I only question the propriety of placing him there and keeping me here, and expecting us to cooperate advantageously together. For my part I would scorn the idea of doing anything to embarrass him or his operations, but past experience compels me to believe that he would regard it as a duty to act differently with me. I had hoped in the progress of events that he had so far modified his feelings towards me that we might work in harmonious concert an hundred and forty miles apart, but various facts that have come to my knowledge during the last six months, of his efforts in my behalf, convince me that the hope is an idle one.

Mr Vail has not written me. in regard to the location of the main battery, I received a letter from him yesterday in which he says "I received a letter from Mr Kendall this morning (26 Dec) and he desires me to acquaint you of my plans in setting the wires in route to New York. I have simply to state that I design testing them first from here to Morristown, then to such places along the line as offer suitable conveniences for putting up the instruments &c".
I have sent him the things you requested except the tumblers which will go as soon as I can get them from the Manufacterers.
I have the New York end prepared as fully

as I can do it to the satisfaction of those who may have charge of this office, without further knowledge or instruction as to their plans of operation I have not had the gas, put in yet, which will be needed some parts of dark days in the back office neither have I any desks fitted up, the partitions are all up and painted, the registers room has plenty of light back room will have light enough most days, I have cleaned out vault and prepared it with plates buried and bench for main and local battery the registers from Ithaca are miserable things as I mentioned to you some time ago and from causes then mentioned, I dont think it best to to use them without their being rebuilt, Mr Smith is making 6 Registers in this City that will be completed this week,

they will be good instruments the company can have two or four of them if they wish,

I have not put up any thing yet to support the Registers. as I did not know whether the operator would prefer Standing or Setting, what ever there is to do for him however can be done at short notice and will not delay the Starting of the line, in fact this end is ready to commence operations, when Mr Taylor was in New York last he informed me that ~~that~~ he had applied to you to know if you would spare me from the line, and that you had decided not to, so he had given up. expecting me, but it is a matter of little consequence and as you have arranged to do without me as soon as the line is started, I will calculate accordingly, had you not better have your men hired at once to arrange further to meet their own views you ask "do you not oppose yourself to prosecutions by selling relays magnets &c?"

I answer that I am not aware of any pretence that any parties could have for prosecuting me for selling relay magnets under the circumstances that I have sold them, unless it may be a desire to persecute me, the principle of a relay magnet, and of making our circuit of Electricity the agent in closing and breaking another was first devised invented and patented in England by Mr Davy as I understand it, Prof Morse substituted the Electro Magnet, for Davys fixed magnet & Page contrived a different mode of applying the power of the Electro magnet for the same purpose and I contrived an arrangement by which the combined action of a number of Electro magnets were made to act simultaneous in breaking and closing the circuit.

The principle belongs to Davy, the first application of the Electro Magnet to Morse, the improved mode of application to Page, the Combined action to myself

I dont think the proprietors of Morse's patent will even regard it as their interest to prosecute me for selling my improvements to parties who already possess the right to use Morses patents

I cant conceive what the improvements can be that you call a "new device" unless it is an abandonment of the Electro magnet and the adoption of a plan that I arranged a long time since, based upon the principle of the English relay magnet, but which I was unwilling to attempt to introduce, at this time, to the prejudice of Prof Morses, Electro Relay magnet

Yours Respectfully
E. Cornell

To the
Hon. Amos Kendall,

Copy of letter to
Mr Kendall
Dcem. 28. 1845

New York 28. Dec 1845

Dear Sir

I have a letter from Mr Kendall this morning from which I extract the following, when in New York last summer, I was told your services had been engaged on the Buffalo line as soon as in readiness, and on mentioning it to you I understood you to assent to it, and therefore stated that I expected you to see our line started of course I did not expect your services longer,

I infer from the above that my services will not be wanted here much longer, and I now wish to know how far your Company have depended on me, and what their further pleasure is on that subject,

Your Batteries I have ready and partly packed. the tumblers only are lacking and will be done and shipped by wednesday next, I can send you a pair of magnets in a day or two, the other Registers will be done this week and another pair magnets soon,

O Reilly has refused to sign a paper securing my right, as inventor of the relay magnet until I can get a patent, and I have ordered the magnet he had returned,

I will send you the paper to sign with this. then we shall have no misunderstanding on that subject. I charge you nothing for the right to use the magnet. I send you,

Only the price for Making is what I ask to
to have paid, were it not that I took the
course I do in this matter they would decide
at the patent office when I apply for a patent.
that I have abdandoned my claim,
all parties except O. Reilly who have my pay
- ents have signed a paper of which this is a copy
Yours Respectfully
Ed. Cornell

T. S. Faxton Esq

Copy of Letter
to Mr Foxton
28. Dec 1845

New York Dec 30. 1824

My Dear Alonzo

Your letter of the 25th with not from Jane Beebe to your Grandfather came to hand this morning. In answer to your question, I must say that it would be right for Mother to let Grandfather have the money when she gets it from Mr Miller, I am sorry to hear that Grandfather gets so little money in his business, but it is we must do what we can to help him along. He is getting old and I hope you will do all you can to help him, and you [redacted] the other children. Elizabeth especially must do all you can to help Grandmother, you can do many little chores that will save her many steps,

I thank you all for your wish of a "merry Christmas", and can inform you that I made it merry with work, and in return I wish you all a happy New Year.

And hope with the new year you will form new resolutions, to do good, refrain from evil, be industrious and persevering in the pursuit of useful knowledge, remember that knowledge is power, and he who possesses knowledge, wields the Archimidean lever, now is the time, for acquiring knowledge, while you are not required to work, and while your mind is free from [redacted] other pursuits, at the beginning of the new year I want you

to write me a letter like your last title, giving me an account of your present position in relation to your studdies, so that I can keep it to compair with a similar letter that I will expect from you Janty 1. 1847. if we all live to see that period

I. have got caught with a hole shut of paper so I must bid you good night.

Yours Affectionately
E. Cornell



E Cornell
Dec 25th 1846
Utyork city

Miss Mary A Comp
Mantua Portage Co
Ohio

Free

12½

Dec 30, 1845

E. Cornell Esq. (copy)

New York.

in a/c with Henry O'Reilly.

By amount of a/c rendered. 201. 84.

Dofs. 2 relay magnets returned, as not what was expected from Morse's tel. Agent. 50.00.

2 Registers @ $25 @. returned – defective. 50.00.

Charges made by you for adjusting registers 5.00

Your charges of freight from Ithaca 4.00

2 boxes for packing 1.00.

Express charges from New York to Lancaster on Registers + Magnets. 3.00. 113.00.

$ 88. 84.

Nov. 5. Cash paid you in advance 100. 00

Amount to credit of H. O'Reilly $ 11. 16.

Mr. E. Cornell Telegraph office, Phila. Dec. 30. '45.

Agent of Morse's Telegraph. New York.

Sir. The above bill shows that you will be in my debt for at least $11 (and not me in your debt for about $9.) on boxing up your relay magnets and instruments, subject to your order – as I wrote you from Lancaster some time ago that I would not use them; for the reason, not merely that the instruments are defective, but that the relay Magnets were wrongly sent by you with a claim for a patent, contrary to what good faith required from an Agent of Morse's Telegraph system. In engaging you to get the instruments for me, and in advancing you money on account thereof, I was actuated by a supposition that, as you were an Agent of Morse's Telegraph System, you would be likely to secure the best instruments &c.; instead of which we find the instruments very defective in structure

and the Relay Magnets of a character not only different from, but (as you claim a Patent therefor) actually hostile to, Morse's Telegraph System, under which you are employed. I would have borne with the difficulties about the instruments, (the brass work,) and tried to have them repaired — (though you charge also for putting them in order,) — but for your substitution of the wrong Magnets, contrary to the interests of the Patent Telegraph under which you are employed, and in which I am interested not merely as an Agent and contractor, but also as a Stockholder or subscriber in the New York & Washington Company, and in the Atlantic, Lake & Mississippi Telegraph Company. The delay, trouble, expence and disappointment — not to myself alone, but to many persons, to our company and to the enterprize — which are occasioned by your course in sending wrong magnets &c. (together with the paper about your pretensions for a patent, to be signed by me) would more than Counterbalance all the charges for proper instruments several times over. ~~Our line from Harrisburgh to Lancaster~~ Our line from Harrisburgh to Lancaster, about 38 miles, has remained idle, and other injuries sustained, rather than use your articles under such circumstances, — as I informed you in my letter from Lancaster; and the Patentees are endeavouring to supply correct instruments — Prof Morse having this day sent to Mr Vail, now in this City, two instruments with proper magnets to be used by us at Harrisburgh and Lancaster — instruments made under their own inspection.

As for the wire you obtained from the wire makers on my account, as they wrote me:— I requested that you would pay them (and not me) for that wire. You reply that Mr Stephens (wire-maker) called on you, and said he held you responsible for the wire as I had not paid him for wire already delivered to me! Now, sir, I will not charge you or Mr S with falsehood, by any means; but there is an absolute falsehood in the statement of your letter, however it may have originated. I paid in a dft of $1000 to the wire-makers, the sum named by Mr Stephens himself, for the wire in the line between Lancaster & Harrisburgh — the only wire I had from them — with directions that,

after the dft was paid, (and I desired no wire sent any time tile paid for, in advance or on delivery,) the wire should be shipped to me. The dft was paid immediately, even before maturity; and the wire was shipped to me. Any one who chooses, can reckon the cost of about 30 miles of wire at 85 or 90 lbs per mile + 2900 lb (it was originally ordered 85 lbs, but was made 90, about, I believe,) and may see that $1000 would, as Mr Stephens himself calculated, cover the expence of all the wire he shipped for me, (at least within a few dollars either way,) when I gave him the dft on account thereof. and Mr Kendale and others well know that it is not my fault if at least $2000 additional were not placed in New York in advance, subject to the order of Stephens & Thomas, for more wire, at least a fortnight ago. Thus much for the falsehood of non payment for "wire already delivered" — to whomever that falsehood belongs. The nature of the case requires this plainness in characterizing it. —

You speak of the last two "extraordinary" letters I wrote, mentioning the facts about the ~~relay~~ instruments and relay magnets. I wrote as mildly as practicable, expressing my embarrassment on account of the wrong and defective apparatus you sent me — and if there is any thing "extraordinary" in the letters, it is only because the case is an "extraordinary" one — of an Agent, like you, undertaking to furnish an article of your own, in contravention of the interests of Morse's Telegraph, which you were employed to advance or benefit. If other persons and lines choose to use your substitutes, as you say some do in New York State, the Patentees, and their Agent (Mr Kendale) may see to that — I only refer now to your course so far as it more directly or immediately affects the business between us in reference to the instruments & magnets you sent to me, but which I refused to use for the reasons above mentioned.

Yours.

Henry O'Reilly

E. Cornell Esq.
Agent of Russian Telegraph
New York

A. O'Reilly
Late Dept. Sec.

Utica Tel Office
Dear Brother Dec 31 1845

I am happy to hear of your success in erecting the Poles & hope you will soon be able to get your line in operation. Mr Carter left here this A. M. for Albany. He finally triumphed over the whole of us in getting that station & feels in high Spirits. I hope he will do well but I am afraid he will be too slow for the first few weeks. I want you to send Platina enough so that I shall not be obliged to cut it in such short strips. I think you had better send each of us a Galvanometer but think we ought to get very good ones for 4 or 5 dollars. My instrument that I have here is not perfect. the wheels are not depthed accurately & some of the cogs strike bottom. It will not answer as it is; as it catches often

& will not start (after stopping (in
one particular place) without assistance
The wheels are not proportioned
right either; as they let the brake
down too soon. You must look
out for all these things when you
get them made. I am sick of
& making our instruments & hope
we shall have them more perfect
hereafter. Mr Broughton thinks as I do
on this subject & by the way I will
quote some of his letter which I rec'd
to-day. He says they have not been
able to do anything for a week.
The wire was broken on the R.R. but
since it is mended they cannot start.
He imagined the difficulty was in
the coffee plate freezing but has had it
up & keeps it moist. I am fearful
they will not start again. & now for
the quotation. "You are right about
the lenses in the Relay. Nothing has been
more provoking than to have the inst fail
in the middle of a com. Work very finely
up to that time & then have the lens stop
altogether, or go by fits & starts making her

& then a dot & a mark & then after a deal of time & trouble get it adjusted & tell him to go ahead & before he would get well under way, go the old trick over again. The screws are all bad. The instruments are not half made The connecting screw in the break piece is worn out & wont stay put. the thumb piece works loose. the connecting screw in the Relay is bad. (So bad I wrote him to get a new one at once) & I found recently that the Spiral spring was not fastened at either end & you might turn the screw till you were blind & the strain of the wire would turn it round. It but the action of the lever would soon jostle it back again. I screwed the ends & then to my mortification found the thread of the screw was worn out & wouldn't stay "no how" I have wedged up with paper &c but if it is like to come to anything I will have a new concern, or make this over. I have got my back up & it shall go." Ha! Ha! Ha! What do you think of Mer B's experience? You like journals from all of the Operators & I have given you this for your edification & amusement.

What is the prospect for W. Me. Smith having a chance with you? I think it will be slim

if you can that time. I shall be obliged to have some help about my battery & if you & he think best I will try & have them employ him here. They will no doubt be willing to pay him for board & other expenses & perhaps he might come out O.K. in the Spring. I will do what I can for him here if you think best for him to come. So what you think is best in the case. We must have you on this line & I shall tell Mer F. to employ you at any price rather than let you go elsewhere.

Yours truly
Orville Wright

W. S. Wood
St. Bernard

I suppose you have succeeded in getting funds. Look closely to the getting up of the new inst. & have them O.K. Write soon. I have just received a letter from father saying that Mary Ann had been sick & Morris & Carrie were not well. Write me with reference to Smith's case.

Yours with aff't. Regards

E. Cornell Engr

W. S. Wood

Ithaca Dec 31. 1845.

E. Conell Esq

Dear Sir— Yours of the 23 inst. came to hand on the 29th I rec'd the Articles of Ass'n from you on the night of the 24th Sage and others object to certain of the articles and I am endeavoring to modify them so as to do away with their objections.

No names are as yet obtained on our subscription; as all are holding back to see what Sage, Williams & Grant will do.

I doubt our being able to raise $2,000. here, though perhaps we may; most of the Ithacans insist that it cannot pay.

At a gathering of a few Merchants & others on Saturday evening Sage & W. G. Grant were appointed to examine the "Articles" and see if they were right, Sage requires sundry alterations some I am willing to make and others I am not. He wants us either to give security for the completing the work & then pay all the money into our hands immediately, or he wants to pay us as fast as the line is built, say for every 5 miles when finished.

At the meeting Saturday evening, Sage, A. J. Williams & Grant said they would

prefer giving each $100. to build the line and agree to take it out in postage at the regular rates, rather than to become partners in an Association. If we could get enough in this way, it would do very well; but they would want satisfactory security that the line would be built and sustained, if the Govt should take the line, they would receive back the balance without asking any advance

The only amounts that have been named by persons willing to take stock provided the articles are fixed to suit them, are Sage 100, J. B. Williams 100, Grant 100, N. J. Williams 100, & he said he presumed the Bk of Ithaca would do the same 100, . Shall we use both the Association plan and the other, or if security is necessary in either case shall we give it, or shall we ~~[illegible]~~ take the whole thing upon our own shoulders, and keep the whole in our own hands. ~~[illegible]~~ Is there much probability of the Govt buying at this session.

I have propounded numerous questions that I shall be pleased to receive your answer to, but in case it is necessary to act I shall not wait, but do what seems best. With wishes of a Happy New Year I remain Yours truly James Eddy

Rec'd & Answered Jan 6. 1870