Waterloo Cayuga Co. N.Y. Nov. 23/58

E. Cornell Esq
Ithaca, N.Y.

My Dear Sir

Your Advisory Note of the 9th ult. together with one of late date, were duly rec'd. Thanks. Sickness in my family has rendered it impossible for me to make a full Report of our doings, at the recent State Fair. The "abstract of the awards of our Committee" was duly furnished as you suggested, & I am sorry to say, Published. I shall urge the Publication of our Full Report, over our signatures, Provided I have your Co-operation. This, Gen. Howard &c. informed me would be done. You, Probably, notice that the Published Awards do not agree with those made by us. This change was made by other hands than mine, and does not please me. The Executive Com. may Possess jurisdiction over our acts, and Place the Pecuniary interests of the Society in Antagonism with our judgements as Expressed in Awards, & if so, the future will determine relative to the Policy of its exercise in this case. Of "But of that when we meet".

I am now at my table, Preparing "Full Report". I have Progressed so far as No. 295 on our Schedule, the Rochester Ley Presented by Dr. Ely. I have used 6 Sheets of Foolscap and find that the whole "matter" will tax your Patience in its Perusal, yet I wish your Approbation before Placing your Signatures to the Report. I shall Embody the "Statement" relative to Deer, Kindly furnished by you, & Copy my Comments upon the "Artificial Arm" Presented in the name of

"Palmer & Co New York" and the Leg above mentioned as Specimens, not with reference to length but adaptation — If they are satisfactory, please write me by return mail, as I shall complete the Report this week and send it to Albany, or to you for inspection, as

Yours Truly

Regards to

Mrs Connell

O. F. Lyon

Palmer & Co New York

Artificial Arm

Gave Medal & Dip

The Entry from which the above is taken, reads

"112, Case of Artificial Legs & Arms", yet but one Leg and one Arm were submitted for inspection, (unless the illustration of the practical use of another Leg, of the same Patent, by a Lady, to whose Courtesy and Kindness we are much indebted, be counted.) — Both these limbs were excellent Specimens of Mechanical Skill in the manufacturer — The Arm was deemed by the Committee the nearer approximate imitation of nature in its uses, having the rotary motion of the wrist joint and all the motions in the joints of the fingers & the hand attached, in such close imitation of those of the natural hand and wrist as to forbid Suspicion in the Casual observer or Stranger that the unfortunate wearer was not well supplied by nature —

The Leg was a good Specimen of workmanship, but was beat in direct competition with another, possessing improvements, in the judgement of your Committee, and did not receive our approval — For further comments, See notice of Leg presented by Doctor D. Bly, of Rochester, given below —

Dr. D. Bly, Rochester

Artificial Leg — Large Medal & Dipl.

This "Artificial Leg", presented to your Committee for inspection, was not in direct competition with "Palmer's Patent Leg", before noticed in this report, — we were therefore necessarily required to decide relative to their comparative merits, and, after a full investigation of the mechanical construction, materials used, and their adaptation to the accomplishment of the object of their creation, found no difficulty in arriving at a conclusion, satisfactory to ourselves, and which, we are confident, will be adopted & approved by our unfortunate Yellow citizens who are compelled to supply the want of natural by Artificial Legs —

We are unanimous in the opinion that the Leg presented by Dr. Bly is the best, and that it possesses advantages over the "Palmer Leg" very desirable to the user and creditable to the Inventor — Thus and 1st It's weight is less — 2nd No Metalic springs are used in its construction, demanding frequent repairs — 3d But one Metalic bolt (that at the knee joint) is used, — 4th The ankle joint is so constructed as to admit of a lateral or side motion of the foot, (in ~~ex-act~~ imitation of ~~that in~~ the natural joint) thereby enabling the wearer to walk upon uneven surfaces, or steps upon small stones or other slight obstructions, with less liability to stumble or fall, — lightens the ~~tax~~ upon his Caution as to where or how he steps to secure safety, and, in an Equal ratio, diminish the physical Effort necessary to be used — This Leg combines the desirable qualities found in Palmer's with the improvements above enumerated, and is

a nearer approach, in its anatomical Structure and motions when in use, to the "model", the natural Leg.—

We award the First Prize to Dr. Bly for his Improvements and the evidence of Progress in the Mechanic Arts, found in the construction of his "Artificial Leg."—

Thus, you observe, I have written at considerable length, yet can hardly discover where abbreviation is permissible.— Should you prefer more brevity, please send me a substitute for the above.— I deem the decisions of our Board upon this question the most important made at our Sitting, consequently have marked some of the most prominent principles upon which it was based.—

Please accept Pamphlet containing Proceedings of our County Ag. Society for the current year.— Yours &c.

A. D. Pilsbury
Dec. 23d 1858

N. York. Nov. 24/58

Ezra Cornell, Esq
Ithaca N.Y.

Dear Sir:

Herein please find six of the nine shares of stock which I sold you some four or five years since. I supposed from our short conversation in Broadway that you would not care for more than six shares, but will make the amount nine if you wish.

Please send me for these six shares twenty five (25) dollars which is less than the price agreed upon and the interest for several years.

All stock sales on time carry interest but I am willing to consider the matter closed for $25.

As I am very short I will be obliged if you will remit it by return mail. Very respy.

S. K. Cook
167 Broadway,
N. York.

Western Union Telegraph Co.

SECRETARY'S OFFICE,

Rochester, N. Y. Nov. 26 1856

E Cornell Esq

Sir/

I rejoice exceedingly to hear that there is a fair prospect of the Magnetic Co. uniting with the American & House Co's. If effected, it is a point gained of more value than we can well estimate -

The next move, will be to arrange with Smith, and in doing this, we must all put our shoulders to the wheel & lift. No one should hold back in the hopes of making a better bargain for himself, & thus jeopardise the whole matter -

Your share in the Western Union Co. is very large, and I give it as my honest opinion, as I would, were it the last word I had to say, that for the sake of effecting this union of Companies at the east, and extinguishing all of Smiths claim every where, (the Erie R. R Line among the rest,) it would be for your interest to give up your whole rights in the Erie Line to the Utica folks, if they would contribute what would be your just share in buying out Smith - Could this be effected, it would give permanence & security to the stock in our Company, which is now doubtful & precarious. I have my fears on this point. I fear you

overestimate your property in the Erie Line and I am still more afraid that the fogies at Utica cannot be aroused to see the importance of getting the control of the Erie Line. Consider this subject favorably, I pray you - Sibley has gone to N.Y. - Telegraph him if he thinks it best for you to come to N.Y. It is expected that Smith will sell for $250,000 or less - Of this, the American Co. will probably assume $170,000 - and our Co., N.O. & O. Co., Eaton, the A. & O. & yourself for the Erie Line will have to divide the $80,000, if it cant be got for less. It is a large sum, but the object in view is immensely important -

J. R. Elwood 26 Nov 1858

In all the various trials I have been through in telegraph negotiations, I have never seen one that I so thoroughly desired to be accomplish as this - It seems to be the crowning stone in the fabric we have been laboring so long and so hard to rear - It is not possible fully to appreciate its importance.

Let me hear from you -

Respectly Yours
J. R. Elwood

Detroit 27 Apr 1854

Dear Sir

Mills knows very well that I positively declined authorizing Morgan to borrow money for the Tel Co. Morgan used the money of the Co, and borrowed money to replace it, but owes the Co several hundred dollars when he left. I felt no sympathy for Mills then & would if Morgan had not got his liquor there. The Mills claim was submitted to the directors, and I was authorized to settle it, and agreed to allow Mills to Telegraph half of it out. (I think that was the proposition he was to have in Telegraphing) Mills wrote me last year saying that the Telegraphs refused to Tel for him, and I referred him to you. There may be some Telegraphing due Mills to make up the amt. I agreed to let him Tel out. I think Anderson who is at the N York Custom House. Or Allen, would recollect about it. I made some memorandums of the agreement

with Mills at the time, and probably gave him some statement showing the amt he was to have in Telegraphing - But I do not remember now what is was - If I had the old memo. books I think I could find a statement of the account as I settled it. I suppose Mills also had some statement made by me, but I do not know as he had - I denied the legal obligation of the Co to pay Morgans debts to Mills, or any one else. I also deny that the Co had the Money, unless it was to supply the place of Money belonging to the Co, and spent by Morgan - But as Mills may have supposed that he was doing the Co a favour, & that Morgan did use the Money for the companies benefit, I agreed to Tel for him to the amount of half, as well as I can now recollect -

Yours respectfully

J J Speed Jr

J. J. Speed Jr
27. Nov 58

Mr E Cornell
Ithaca

M. B. Wood Nov 27, 58

Western Union Telegraph Office,

ALBION, Nov 27th 1858.

Dear Erta

Yours long letter & your short one is rec'd & we are right glad of the prospect of seeing you in this region soon. I should like to be with you this winter to help take care of the short horns & help fix & keep good the shelters & feed for them as I have nothing to do here but saw a little wood & play back gammon with the girls. I think I could appreciate the good stock you have if I could be among them & be interested a little in their care. If you get J. R's farm perhaps you can spare a few head to

put on there & give us a start in the stock line. I dont know but I shall have to turn farmer yet for dont believe the lein I have against the one near Cooks prairie will be paid without a foreclosure. The amount due now is over $1700. & running at ten per cent per annum. There is 82 acres of wheat now sowed on the farm & if it turns well next year the fellow may make a payment but I dont much expect it. One other farm of 160 acres the lien is $1000. I cant say how it will go with the fellow. The other two will pay up without doubt. I hope you can let me have the $100. to secure the note I spoke of which will close up all the debts that I care about securing by Mortgage Phebe will importune you for money also & will want more than I shall. She has got on track of 6 shares of E & M stock with all the dividends unpaid which she wants & as She is in the telegraph business I should like to see her progress. Hannahs & Son have carried on their banking business. You have no idea what distress there is here for want of money to pay debts Thank fortune I dont owe any body but you & that dont hurt my breathing much. Jane is very impatient for some money to make the silk & ribbons flutter & Phebe is giving her "Hail Columbia" for being so Extravigant. Well variety they say is the spice of life & if you dont find some here especially in the calls for money then I no prophet

I am glad to hear that father keeps so well and comfortable. I went to see old father-Speed when in De & found him very feeble. His limbs are weak & incline to swell up & he has lost his voice prety much. Can hardly speak above a whisper. I think he cannot live long. I met the Col. & the street & talked a few minutes with him. He said he had been with you to see some fine stock and although you quarreled some yet he could bear more from you than any other man, for notwithstanding all your faults you had a heart as big as a mountain compared with Wades or any of the Rochester click and would go to you for a favor sooner than any other man he ever knew. He shall rejoice at your success though you damn him for treachery

I have Nov. 27 '58
examined all the acc
ounts of Buffalo office from Oct
1848 to July 1854 & do not find
the name of Mills & Co anywhere
The old Ledger account is from
Oct 1848 to July 1849 where I find
that E. J. Morgan has had $400
pr as wages & $100. advanced
to him to pay sombady and
a memorandum at bottom of
account stating " due $122,93
lost, run away, never will
pay," The office account is
continued with all the items
of expences with names of
workmen & creditors regular
both in the new ledger and
account book but cant fine
any a/c with Mills & Co at all.
They aught to look to Morgan
for their pay after letting it lay
to this time. The weather here

has been mild & pleasant
no high rough winds at all
& though it has froze some
in the night the days have
been mild & pleasant.
The Spiritualists have just
bought the old Presbyterian
Church with all its furniture
& have service regular. I
have not been in yet to
hear them but hear from
others various opinions.
I think J Robertson expects
to trade with you and
will not stick at your
price for the house. Our
boys will be home after the
1st Dec for 2 weeks. They will
be glad to see you all will
here as usual
Yours Respectfully
M B Wood

Batavia Nov 27th
1868

E Cornell Esq

Dear Sir your letter of the date of the 24th, but postmarked the 26th is just received.

The insertion of "Kicker by Moscow (9413)" in the pedigree of Hope is not an error. It is correct. Hope the calf of Princess 4th or Brokenleg in the 1st Volume is the same as Hope in the 2d volume of Allen's Herd Book page 401.

"Kicker by Moscow" is not in the 1st vol of Am. Herd Book at all. She was the daughter of Princess by Wellington (684), & not of Princess by Wynyard (703). My father owned Princess by Wellington; the cow got by Moscow out of Princess by Wynyard was a half sister of the one my father owned & he never owned that one, but he bred Kicker by Moscow out of Princess by Wellington.

When the 1st edition of the 1st vol of Allen's Herd Book was printed, the pedigrees of this family were carelessly printed. An attempt was made by

Mr Allen in the second edition of the 1st Vol to correct the pedigrees but without success. My father & myself never called any of the family by the name of Princess, except Princess by Wellington. It was a suggestion of Mr Allen to call them all Princess & number them. In the 1st Edition of the 1st Vol, they are so called & numbered, but without any other name appended. In the 2d Edition of the 1st Vol the names ~~as~~ by which my father & I called them are appended to the name of Princess as the occur by number. In the 2d Vol I called them by the names always used & my father before me. (& dropped the name of Princess where) This accounts for the name Princess being used as it is in the 1st Vol, & not in the 2d & 3d.

You will thus see that Homer's pedigree as printed in Vol 3d page 128 is correct.

"Princess by Wynyard (703)" is not the same as "Actress by Wynyard (703)" "Princess by Wynyard (703)" is not of the Princess family (that particular family known as such par excellence) Princess by Wynyard (703) was out of Matron, the dam of Matchless. See Catalogue of the sale of Sir Henry Vane Tempest's cattle in my edition

of Youatt on Cattle page 130. I have this information from the herdsman of Tempest but he could not give me her pedigree & only knew of her that she was not of the Princess family. Mr Hopkins who imported Princess by Mynyard (with Princess by Wellington in her belly) called her Princess & my father had Princess by Wellington of Mr Hopkins & called her Princess.

This I believe answers all your questions.

You say that you are sorry to trouble me in this matter, but that you do not know to whom to apply that can give you the information but myself. I do not know of any one else who can give it to you. It gives me great pleasure to furnish it to you. I know of no one so proper to apply to as myself, who bred Hope. It will always give me pleasure to furnish any information in my power not only as to my own breeding, but as to that of others where in my possession.

I shall always be glad to hear from you.

Truly yours
Ambrose Stevens

East Springfield Nov 29/58

E Cornell Esq

Dear Sir

Red Rose 9th will be shipped from Chapmans probably tomorrow, if not, as soon as possible

I shall leave the freight on the cow for you to pay on her arrival - which I will refund as soon as you will appraise me of the amt

I shall order her forwarded via Cayuga provided navigation is still open

Yours &c

G Clark

Senne N.Y.
Nov 29th 1858

E. Cornell Esq.
Dear Sir,

I have to raise quite a sum of money soon, so excuse if you will, my calling your attention to my bill for draining your animals, sent some weeks ago.

Winter seems to have set in, We were nearly ready for it.

My stock is doing well Hiawatha's get seem quite thrifty, Mr. Sheldon has not yet got his stock home from Thorndale

Respt. J. R. Page

Montreal November 29th 1858

Dear Sir

I have been for two or three months last trying to get a deed of the Mc Taish property located as you will probably remember on the most Commanding Stake on the front of our Mountain. I have finally succeeded in getting the deed Completed and executed and I now want to make arrangements to build. In order to do it soon it may be necessary for me to sell a portion of my M Union Stock - Can you give me any idea of its Value? and will it probably sell for anything like its worth? What dividends may we expect upon the increased Stock? If you can answer these questions to the best of your ability I will feel much obliged as it will enable me to decide upon my building project. With this I send you five Copies of a Lithograph which has been got up on Speculation by a Son of the Emerald Isle

Mary Ann will be able to tell you whether he has done the subject justice —

When you get time I would be glad to get an old fashioned letter from you, giving me a detailed account of your Short Horn investment — and what you Consider the prospects of realizing upon them —

I intended to have seen you again before leaving New York but as I had been away from home two or three days longer than I intended and Mrs Holton was very anxious to return I left on Tuesday morning. If you have heard how the negotiations stand between the associated Companies & Smith Kendall & Co I should be glad to hear as I do not know what was done after I left New York —

We have finally got the Contracts with the Six Nations all signed & a transfer of the Otsego line which relieves my anxiety upon those subjects. I have been all along afraid that something would turn up that would

prevent our Company from going into the arrangement —

Our business Continues very light we will not be able to pay more than 4 per cent at the end of the next half year — When will the W Union pay another Cash dividend and what will it be?

We are all quite well Have had thin Sliegking here most of the time since about the tenth inst. Kind regards to all

Very Truly Yours
O. S. Wood

Mr E Cornell
Ithaca

M B Wood
Decr 3, 1858

Western Union Telegraph Office,

ALBION, Dec 3 1858.

Dear Ezra

I again write you for relief in the way of money. I have been pushed & crowded up by the opposition. I have got the contract firm for six shares of E & M stock but must raise $275. in ten or twelve days or the contract will be out. there is 45 percent cash dividend due on one and 33 on five beside the script of 32,92 Cobb & some other parties have been after it & run it up to $55 a share & I had to agree to give that to get it. I cannot get the money here without giving

heavy shave beside ten per cent. If you can loan me $300. or get it for a year from some one in that part of the country I should be very much obliged for the stock I think is worth taking at that price. I have expected to hear from you but you have such a multiplicity of business on your hands I dont wonder you dont find time to write often. The house is now vacant & I have been much perplexed to get any thing for the rent. That Colby proved to be a poor drunken shack & worse than nothing. I found where he had been at work a spell & I dogged them up till I got a note payable in thirty days for $12. which was all I could get out of him. I made the woman leave a table and bedstead & four chairs for the ballance which was all I could get out of her. She has gone to Flint, north of Detroit. I have had application for the house but have told them it was disposed of & was not for renting. Nothing new since I last wrote. All well. The boys are in doubt about coming home this winter. Please write imm. & let us know what can be done about money & also when you propose to come. The sleighing is fine and the

steady cold but not severe
Hiram is going to Gratiot with
team & provision & bring back
a load of Shingle which James
has got for him. He will not
start till you come, or we
hear from you more definite

Yours truly
M. B. Wood

And that I would send or order
J. D. Caton to send $850 - to be used

By M. B. W.	$375,
Jane	25
Ed + James	400
Surplus -	50
	$850

And sent Jas Woods not for $50,
and directed M.B. or H.R. to pay
Runyan note + take mortgage
of J Wood for use of $200 on
80 Acres - 9 Decr 1856

L. F. Allen
Decr 4, 58

Black Rock Dec 4/58

Dr Sir

Yours of 2c int is m^d. I don't know any thing about "Kirk-ur by Moscow" further than I presume she is one of the "Princess" Cows of Stevens' in 1st vol. a. H. B. For some reason or other, Stevens altered the names of his old "Princess" Stock for the 2c & 3c vols - probably, because of his new ings. Princesses he bot of Stephenson in Eng^d - I cannot, myself, trace out his peds - and in fact, it is no matter, so far as their breeding is concerned, only to have them look ~~straight~~ straight. That they are well bred I have no doubt - I knew those old Princesses 25 years ago on the farm where S.'s father was living - altho. I blive Ambrose

The names S. gave his old Stock in the 2c vols. & afterwards were those that they were called by on the farm. So he told me.

managed their breeding pretty much.
They were grand Cows - great Mil-
kers - but rather "old fashioned"
Shorthorns, to look at. I had as
lief - trust those Cattle of the old
Princess Stock of Stevens to breed from
as most of the modern importa-
tions - as they were. I don't know
that I can help you to any further
information in the matter. Ste-
vens has promised to come and
see me in a few days on other
matters, when he will probably
spend the night with me, & then
I'll overhaul the peds. you sent
& see what further there is about
them. Truly yours

L. F. Allen

E. Cornelly -

Can never peds till 1. Feby. ~~(Over)~~
dont want the cuts till March -

J. R. Page
Decr 5.58

Kennett, N.Y.
Dec 5th 1858

E. Cornett Esq.

Am pleased to hear you were so well suited with the drawings, you must now have quite a herd of Short Horns, and from Duke should get choice stock. My impt. cow Dinah Gwynne lost her calf a day or two ago. She brot me a fine heifer last spring. Old Hope was a fine cow when I sold her to Mr. Haines as handsome color as I ever saw. Mr Sheldon has not yet got his stock from Thorndale,

Mr. Thorne says he has the finest lot of calves this year he has ever had.

Your report of funds and proposition to forward soon, is quite satisfactory, as I went to Bank and got what I could not collect, so I am easy for two months

Most Respt.

J. R. Page

Should it be convenient for you will be glad to have you call and see my little herd.

New York Decr 6. 1858

Dear Sir

Absence from home and urgent demands upon my time has prevented my giving you at an earlier time the statement of the phenomena discovered by me while experimenting with the first Submarine Cable for telegraphic purposes laid across the Hudson river between Fort Lee landing on Audibons house, on the first morse line of Telegraph between N.Y. & Phil, which you requested & I promised, after the conversation we had on the subject a month since =

It is possible that the causes that baffled our efforts to telegraph through that Cable for so long a time may exert an influence over the success of the Great Atlantic Cable, and I shall therefore give you somewhat of a detailed account of that experiment,

I think it was in the winter of 1845 & 6 that we put the first submarine Cable across the Hudson river in the ~~line~~ Magnetic Telegraph Co.l line between N.Y. & Phil.a from Audibons landing to Fort Lee landing = The conducting wire was covered with india rubber, as in insulating medium, which was enclosed in lead pipe

[illegible] in the Cable [illegible] the difficulty was removed and messages was passed across the river through the Cable =

of about 1½ miles in length, this was ~~depos~~ laid across the river without difficulty, but when connected with the line and an effort was made to telegraph through it, no message or electric current passed through it. We then severed the connection with the line and carried one end of the cable over to Audubons House & the other end to the Pavilion at Fort Sumter where we were permitted to establish offices for experimenting with the Cable. We ~~first~~ placed a Grove battery and the instruments on the cable wire and failed to Telegraph across the river - no effect was produced on the Magnet at the Pavilion from the battery at Audubons - We experimented a week or more without success, or knowledge of the cause of failure. Prof Morse attended the experiments several times and made suggestions to remedy the difficulty all of which failed to change results, and Prof Morse finally said it was of no use to waste more time or money with the cable, as it was a failure - This ended all efforts at the expense of the Co - but unwilling myself to abandon the cable entirely ignorant of the causes that prevented success, I determined to continue the experiments at my own account, and obtained the permission of the Directors to ~~take~~ retain possession

of the cable for that purpose, and continued from day to day the trials to work through the cable with such variations of arrangement as suggested themselves to my mind for ten days and met with no improvement in the results or satisfaction as to the causes of failure =



Under a state of feelings that such a failure ~~was well~~ naturally produced, I sat by the instrument with my head ~~[illegible]~~ upon the table and my finger upon the key, closing & breaking the circuit in a state of semi-unconsciousness, when Mr Brown who was my assistant aroused me and asked me if I was ready to ~~start for the night~~ start for home (we came down to the City each night). I answered "I would go as soon as he took the Battery down" – He replied that the battery was taken down and packed away" I insisted that it was not, and called his attention to the click of the magnet, in response to the closing of the circuit with the key, He still assured me that the battery was packed away as it had been every night in the Champaign basket that was kept for the purpose, I went to the battery room and found it was so, and that the wires taken from the two poles of the battery were con-

nected, bringing the Magnet & Key in circuit with the Cable without the battery - I returned to the Key and found that the Magnet responded to the closing of the circuit as it had done before, We now returned to the [illegible] city with new suggestions for the mind to solve, Where did the galvanic current come from that acted upon the Magnet after the battery was removed?

I soon became satisfied that the cable itself was the newly discovered battery; ~~the question then arose~~, it, in its, then situation possessing all the elements of the galvanic battery, viz - Copper wire & led pipe - separated by ~~with~~ gutta-percha (through which the water penetrated that must have got in the pipe by through some defect or the condensation of the atmosphere) surrounded by salt water.

The question that next arose, was, How does the Electricity developed by the Cable, if it is so developed, interfere to prevent communication with ~~with~~ the regular battery current? I answered this question in my mind by supposing that the polarity of the Electric currents developed by the battery and by the Cable were in oposition or that the positive pole of the battery and the positive pole of the Cable were towards each other, ~~I tested this~~ and hence nutrilized each others current in its passage through the cable. I returned to the Cable the next morning with new hope to test this theory by an experiment

and was gratified to find it correct, and by reversing the poses of the battery to

[12/6/58]

Shortly after this discovery, the cable was broken by the anchor of a vessel and submarine communication was abandoned for the time.

The question has arisen in my mind whether the development of electricity by the Atlantic Cable, is not one of the causes that delays the success of that Great Enterprise.

That cable, like the one within, I experimented passages all the Elements of the Galvanic battery, viz Copper conducting wire. Iron protection wire, immersed in Salt water, the Gutta percha which separates the Copper & Iron wire, & causing perfect to the salt water, you have a battery in full & constant action, which must exercise more or less control over the instruments at either end.

If this State of things exist, this spontaneous development of Electricity must be made to harmonize with the battery or machine current before the Cable can be successfully worked.

Yours Respectfully

E. Cornell

Peter Cooper Esq

Ellerslie
Rhinebeck 11 Dec 1858.

E. Cornell Esq
Ithaca N.Y.

My dear Sir

In preparing the pedigrees of some of my young animals for the forthcoming volume of the American Herd Book, I had occasion to refer to your valuable Bull the "Duke of Oxford" and sought in vain for his pedigree in the English Herd Book.

I therefore wrote Col Morris for the information needed, and have this morning a reply from

him, stating that the Editor of the English Herd Book, had determined upon not recording any animals bred in America, and had refused him on his application.

There seems no course for breeders to pursue, but to enter in the American Herd Book, for it is essential that there should be a record in some permanent form. - I write to enquire whether you have come to any conclusion on the subject of recording the Duke - if you wish to do so there is no time to be lost in forwarding his pedigree to Lewis F. Allen Esq. - May I ask for an early reply.

Your old Ser. Wm Kelly

Ezra Cornell Esq

Dear Sir

We received your letter declining to purchase our entire herd and inquiring the price of Duc de Mblakoff. Dewdrops heifer calf and Sunshines heifer calf.

We would much rather sell the entire herd and take your notes for three and four years with interest but as we named a price to you at the time of your visit to our place we will sell them at that price $1000. but would prefer to hear from you immediately that you will take the whole herd.

You have now chosen the three best of our young stock all of them are doing well

and are in good health.
We are anxious to sell
the entire herd and hope you
will conclude to take them all.
Yours very truly.
B. & C. S. Haines
December 13th. 1858.

Fall River 12 mo 13 1858

Respected nephew
E Cornell

Two weeks a go to day I mail a letter to the, with the Dartmouth Records hope the has Rec^d them, as I have not heard from the sine I fear they were miscared and If so I should like to know It. Pleas to answer this soon as Convenant, We are all In Usual health Except Richard Chase he is a failing fast not able to sit up much of the time, I have not seen him for same time think I shall soon, Our daughter Sarah was Confined yesterday she has a son Is quite smart, Mary wish me to say that she Rec^d a letter from the a short time since was gladley Rec^d, I am not quite so well as I am some times I had an Ill turn a bout a week sine and often have such ones, It takes some time before I get over them, I have not much to write a bout at this time Only I wanted to here If the had got the Record the wished for so the must Excuse this short letter

My wife & daughters gives me In love to all of you Respectefully thy Uncle
E Cornell

Miller Chase

Batavia Dec 17th
1858

E Cornell Esq

Dear Sir

Your letter of the 1st inst, post marked the 3d came duly to hand at my house but in my absence. On my return I read it yesterday for the first. This will explain its not being answered before.

When I prepared the matter (for the 8th Vol of the English Herd Book) which relates to those I had inserted therein, I sent Kicker also with her produce of Broken Leg. But unluckily there was a mistake. The produce of Princess (on page 473 of 8th Volume) for 1829 was called Broken Horn; by mistake it was written Broken Leg. Princess calved Broken Horn in 1829 & Kicker calved Broken Leg in 1829. On coming to print the pedigrees Mr Strafford construed the mistake of the name "Leg" for "Horn" & thinking there was an error other than in of the Leg dropped out

Kicker entirely, & did not insert
her at all; & took her name, out
of Broken Leg's pedigree on page
[Kicker]
250 8th vol. Thus in the record of
the 8th vol all seemed made straight
but was in fact all made wrong so
far as Broken Leg was concerned.

In reference to the descent. In
1847 I had a correspondence with
Mr Thomas Bates as to Sir Henry
Vane Tempest's cattle, with a view to
ascertain how the old cow by Wynyard
which was imported was descended.
Mr Bates saw Mr Dobbin, who was
the herdsman of Sir Henry for many
years & at the time of his death in 1813,
But Dobbin left shortly after the death
of Sir Henry. The cow which was got
by Wynyard & imported in 1815, did
not leave England till 1815 two
years after the death of Sir Henry.
The information which Mr Bates
got from Dobbin led to the belief
that the cow Princess by Wynyard
was out of Anna Boleyne, & the
pedigrees in Vol 8th were prepared
& printed under that belief. But
in 1848 I went to England & made

inquiries myself. I saw Dobbin & found that he did not know any thing of the proceedings, breeding &c at Wynyard Hall after May 1st 1814 & that a man of the name of Wm Gordison succeded him as herdsman. I found Gordison and learned from him that he was herdsman to Sir Henry's widow till 1818 when she broke up her herd. From Dobbin I learned what things he left at Wynyard Hall in May 1814. I learned that there was a heifer there at that time by Wynyard out of Matron. From Gordison I learned that this heifer out of Matron came to America. But neither Dobbin nor Gordison knew her pedigree, but only that Matron was bought of Mr Porrit of Claxton in the county of Durham. & was not descended from Anna Boleyne nor of that family. Porrit died in 1825. So nothing could be learned from him. I saw his widow & daughter but they could not tele me any thing.

You have now the whole story as I understand it. I have never in America published the pedigrees other than as they appear in Allen's 2d & 3d vols & ever there, one may find some mistakes.

You should have refered on the pedigrees of this family as printed in Allen's Book where it was recent, the 2d vol being printed in 1867.

There no statistics of Hopes milking & butter making. She has given 35 quarts of milk in a day and was a large butter maker. I have some of her dam. It was [illegible] last which I spoke to Mr McGraw. You will find some thing relating to it in Allen's Herd Book

I have now as many females descended from the early Imp yard imported as any person & as much interest as any one can have in it. I of course desire it to stand well. It is a most valuable family, great Milkers & great feeders. A two year old heifer (she was 2 years & 36 days old) was slaughtered of this family & weighed on grass alone 641 pounds in her beef

I have no females of the Princess family for sale. They are large and rich milkers.

Yours &c

Ambrose Stevens.

A. O. MOORE'S
(LATE C. M. SAXTON & Co.)
AGRICULTURAL BOOK ROOMS,
No. 140 FULTON STREET.

New York Dec 18 1858

Ezra Cornell Esq
Ithaca N Y

Dr Sir

We send this day by Hudson River R R a box cont'g the books selected by you a few days since and hand herewith the bill, to be settled for on the terms agreed upon when you were here. Hoping the books will reach you in safety and give satisfaction We remain

Yrs Resp'y
A O Moore & Co

P.S. We have just rec'd advice that the 12 Vol of Cotta's Hand Book is not yet out

Illinois and Mississippi Telegraph Company.

SECRETARY'S OFFICE,

Ottawa, Ill. Dec. 21st 1858

E. Cornell Esq
Ithaca N.Y.

Dear Sir

Yours of Dec 15th is just to hand. Your informant was mistaken about the rate of exchange I have not known it less than one per ct this fall and now I find it impossible to get it for less than 1/4 - Enclosed I send Dft. payable to your order and the a/c will then stand as follows

H. B. Wood	$850.00
D. B. Cornell	150.00
E. Cornell Dft	899.31
Premium on Dft	11.37
Total paid	$1910.68

Shows 1910 34/50 in name of E. Cornell -

Hoping to have the pleasure of frequently repeating this operation

I remain

Yours very truly

M. P. Bassett

Secy.

COUNTRY GENTLEMAN:
WEEKLY—$2.00.

THE CULTIVATOR:
MONTHLY—50 CENTS.

RURAL REGISTER:
ANNUALLY—25 CENTS.

OFFICE
395
BROADWAY,
ALBANY, N. Y.

LUTHER TUCKER & SON,
EDITORS AND PROPRIETORS

Albany Dec. 22, 1858.

H. L. Connelly Esq.

Dear Sir— Yours of the 17th has come to hand, for which accept our hearty thanks.

I am rejoiced to hear that you intend to do so. The question as to how much stock can be kept on 100 acres, and I hope you may be able to show that one cow can be kept to per acre. I believe it may be done, and profitably done, too— but it will require much more care and thought than our farmers generally give to their business. You, however, have commenced operations understandingly, and the results ~~of your operations~~ will be looked for with

great interest by the public; and if you find that you can keep even 75 cows to the 100 acres, you will teach our farmers a lesson which some of them will remember and improve.

Permit us to add that we shall be greatly obliged for any farther contributions with which you may be pleased to favor us for our papers.

Res. Yrs.
Luther Tucker.

Luther Tucker
Tom Ed. of Country Gentleman
E.C. is going to try
[illegible]
Stock can be [illegible]

Western Union Telegraph Co.

SECRETARY'S OFFICE,

Rochester, N. Y., Dec 22 1858

E. Cornell Esq

Sir

I know the difficulty of getting at the truth of things from the representations of some people, especially where interest blinds their perceptions -

A meeting is appointed in N.Y. for the 5th of January - I think you had better be there, - notwithstanding what you said in a former letter -

I hope you will lay Smith on the shelf - I think he is standing in his own light - I should not be surprised) that he is encouraged to stand out by the individuals to whom you refer with a view to a speculation of a few thousands -

I have telegraphed to Wade about the Wool suit - I am afraid) in the press of other affairs he may neglect it -

I hardly know what can be done about the old note given by Speed - When we see each other, perhaps we can contrive some way to manage it - I do not know but it may be based by the

Statute of Limitations –

We shall probably make a dividend for the 1st of January of one per cent (possibly a fraction on) – payable about the 20 or 25th of that month

I wish you would send in your E & M certificates and have them converted into ours – you know how hard I worked to get things in a condition that this stock could be converted – and by its not being converted it is just as bad as though the contracts had not been made

Yrs J. R. Elwood

J. R. Elwood
Dec 22 1858

Rec'd New York December 23rd 1858
from Ezra Cornell a certificate of 60
(sixty) shares of One hundred dollars each
of the Capital Stock of the Western Union
Telegraph Company, and been allowed to-
him in exchange, 100 (a certificate for one hundred) shares
of the Erie & Michigan Telegraph Company
of fifty dollars each, which was held
by the New York and Erie Rail Road Company
in pursuance of an agreement with said
Cornell.
No of certificate 128 for 60 shares.

Nathaniel Marsh
Sec'y

Rec'd New York Dec'r 23. 1858
from Nathaniel Marsh Sec'y of
the New York & Erie Railroad Com-
pany, three certificates of forfeit
thousand dollars of the Capital
Stock of the Erie & Michigan R.R. Co
which said Railroad held as
Collateral Security for the ful-
filment of a certain Contract
and surrendered to said Marsh
in the stead thereof one
certificate No 128 for 60
Shares of $100 each of the
Capital Stock of the Western
Union Telegraph Co
to be held by said Railroad
Co. for the purpose that
the surrendered stock may
be held —

E. Cornell

Western Union Telegraph Co.

SECRETARY'S OFFICE,

Rochester, N. Y., Dec 23 1858

E. Connell
Sir.

I did not answer yr last message from N.Y. because, if I had seen yr face to face, I should not have known what yr ought to say to Smith - and certainly I could hardly indicate any views on so delicate a matter on the lines -

We appointed a com. yesterday for the 5th consisting of Libby, Mumford Butts & myself - I suggested yr name, but when it occurred to me that you might represent another interest, to wit the Erie R. R. line, I at once stated that I did not think you ought to be one of our delegates - I do not know that the meeting will result in any thing but I think it best for you to be there and try to effect some thing -

We make a dividend for the first of January payable on the 25th Jany of one per cent on the increased Stock -

I wish you would convert your E&M Stock –

I am anxious to hear the results of your suit in N.Y. this term

Yrs

J R Elwood

J. R. Elwood
Dec 28. 58

3.60.000

Ithaca Decr 27. 1858

Dear Sir

I have another letter from A. Stevens in which he Caps the Clemax, by asserting that, Princess by Wyndyard = imported by S. M. Hopkins the Gr G. d of your Hope = had no pedigree, and that all the entries in the 8th Val of English Herd Book were errors that he (A. Stevens) made upon misinformation furnished him by Mr Thos Bates of England =

I am now at a loss to know which of Stevens letters to believe = the first assured me that to keep "Kicker by Moscow" in the pedigree would make all right, and the last says all is wrong with Kicker in or out =

I dont see any otherway in this dilemma but to presume the books are right and be governed thereby, I therefore send the heifers pedigree as Princess 12th & 13th which is taking up the numbers where Stevens or the Books droped them =

Stevens says he has no statistics of the milking and butter making of Hope, will

you do me the favor to give me such facts as you can as to the milking & butter making of that family of Cows.?

Stevens said I would somewhere in A.H.B. of the milking of Princes 4 dam of Hope or Princes 10th a but I have not yet found any thing of the kind =

I am sorry Stevens has got this matter so badly balled, and should be glad if I could get to the bottom of it and find if it was all by mistake or design = It looks a little as though the first Princes family was in the way of the latter, both being competitors for the Crown, the first had to be assassinated to secure the honours for the latter scions of Royalty = as you perceive he is not without a Princes family, the latter imported from Stephensons herd.

You will please treat this as Confidential as we must not get up any Short Horn quarrel

I have written to England to see if I can get any light on this foggy subject =

I am glad to see you are increasing in the success of your Club = I did not expect to see my letter to you published I wrote hurriedly, as I was leaving for N.Y., and either left out part of a sentence or the printers d—l left it out for me making one portion of my letter read awkwardly — but I suppose most readers will lay it to the printer & excuse me,

I have not been home the 2 last thursday evenings, but I learn that our Club has been well attended,

Next thursday we shall inaugurate our new Rooms, over the P. Office, and should be happy to see you & friend Cady down if you can make it convenient to come down — & bring your Wives =

Yours Respectfully
E. Cornell

J. McGraw Jr Esq

J. McGraw Dec 28.58

Dyea Dec 28 1898

Dear Friend Mabrett. I have not deemed it necessary to notice Mr Thomas Bates statements to (R Stevens) Mr Bates was a man that confidence could be placed in no word or statement he made in his character has not been good, neither is his character now. The facts regarding the 8 tons of provisions I got this information from Mr Thos Bates who was employed by Mr Stevens at the time. Mr Stevens was present when Mr Bates told me this. I have also had the statement confirmed by Mr Thos Bates himself. I have also had the statement confirmed by all Englishmen who were present at the time. Mr Bates has also made the statement to Mr Stevens that he was not interested in the Dam at all. Mr Bates has also made the statement to Mr Stevens that he was not interested in the claims, her former actions. He

Haselwood

E Cornell Esqr

Albany Decr 30th 1858

Dr Sir -

I have two very beautiful Short Horn heifers that I would like to dispose of to you. They are both pure Duchess, or Bates Stock, and would be a desirable addition to any very valuable herd, they would also be most desirable to cross with your Duke of Oxford. I offer them to you, rather than advertise them individually because, this Character of Stock is in few hands in this Country, and for every reason, it is desirable to keep the females in our hands. These calves if in England, would now readily command and be eagerly sought for, at 100 Guineas each - They both eat from the pail, and manger, like old Animals, and can with safety be taken at any moment - I never allow my calves to suck the Cow, for the reason, that - if sold, there is no drawback to their growing by reason of weaning. - As you will perceive, they were both begotten by my imported Bulls One

of them by Lord Ducie (13181) 662 - and the Other by the Duke of Portland 1482 - As Lord Ducie is dead and the females of his get in but one or two hands, this fact adds to the desirability of the Leiper - There is no half in any other hands than my own of the Duke of Portlands get - You will find the pedigrees on the Opposite page from which you will perceive the value of them I will ~~and~~ ~~[illegible]~~ that both Sires and Dams are imported and from the herd of Mr Bates' nephew and Manager Mr Bell -

With the Compliments of the Season & With regard &c &c allow me to remain Yrs very truly

address Dr Herman Wendell

as above -

P.S. As I have not opposed lith of the above or shewn them to any one yet, I would like you to make up your mind, and write me within a few days. Their pedgrees have been sent to Mr Allen & will be in Am Herd Book If you should purchase one or both you can have your name inserted as Owner at any time previous to the publication of the Vol

Duchess of Bedford

Red & White, Calved Septr 10th 1858, Got by imported Bates Bull Lord Ducie (13181) 662, Out of imported Bates Cow Agnes by Mr Bates Earl Derby (10177) - who is half brother to the Celebrated Grand Duke (10284) - Ariel by Mr Bates - 2nd Cleveland Lad (3508) (~~G Dukes Sire~~) Arrabella by 4th Duke of Northumberland (3649); - Annabella by the Duke of Cleveland (1930); - Acomb by Belvidere (1906); &c See page 320 Vol 11 EAB - Price $300-00

Duchess of Clarence

Rich Roan, Calved Nov 3d 1858, Got by imported Duke of Portland* 1482 AHB - Out of imported Alice Maud by the famous Grand Duke (10284); - Acely by the Celebrated Duke of Northumberland (1940); - Craggs by Son of 2nd Hubback (2682); - Craggs owned by Mr Bates and descended from the Celebrated herd of Mr Maynard Ewy - Price $300 -

* The pedigree of the Duke of Portland is in Vol 12 of EAB, but as the Vol has not as yet been recd in America I cannot yet give his No -

Dr Mudell
Dec 30, 1858

Caroline Center 19th 11

Mr Cornell

Dir Sir

I recd your favor of the first- on the 7th and can assure you that- I am ever desirous for the promotion of all improvements

as you requested I will sign my name in full

Respectfully Yours

Elizabeth Higgins

Caroline Center

Worcester Mass Jan 2d 1858

Ezra Cornell Esq

Dear Sir.

I have received a letter from Mr Cornells friend Robt H. Easton of N. York proposing to engrave some portraits on wood. I have informed him that all the portraits are to be well executed steel engravings

I send you a sample of the style and size of the portraits. The cost of each, to be $100. to be published in the American and European editions.

Brady in New York has the size and if you conclude to have yours in, call there and have the likeness taken.

I would like to have a drawing of the old plough, and also of your switch of which I believe you was the first inventor. and for which due credit will be given you. Send me drawings of all your improvements.

Yours truly

Jacob Thompson

There arrangements about portraits are completed.

Send me an outline history of your connection with the telegraph, all the lines you have built and when and what positions you have filled.

There will be no biographys in the book of any one, and the history of the telegraph will have the acts of any one whose portraits may be in the book. It will therefore be a telegraphic officers in toto. Your connection with the telegraph will be woven in its history. It is for you now to aid me in the promulgation of correct history.

Let me hear from you

J. P. S.

PROSPECTUS

FOR

A New Work on the Science and Art

OF THE

ELECTRO-MAGNETIC TELEGRAPH,

BY

TAL. P. SHAFFNER.

This Work will be prepared with great care, and issued in March, 1859. *It will contain at least*

ONE HUNDRED WOOD ENGRAVINGS,

Illustrating the different systems of Telegraphs of Europe and America. The Book will be full octavo, and will have at least 400 pages. Bound in muslin. Price to Subscribers, before January 15th, 1859, $3 per copy; before March 1st, $4; after issue, on sale, $5. Payments in advance.

Moneys to be forwarded to Messrs. PUDNEY & RUSSELL, Publishers, 79 John-street, New-York.

TO TELEGRAPHERS THROUGHOUT AMERICA:

GENTLEMEN:—You will see from the foregoing Prospectus, that I have in preparation, and propose to issue in March, 1859, a Work on the Electro-Magnetic Telegraph.

It is my intention to issue a Book that will serve as a Manual to the Telegrapher in all departments of the profession.

For more than ten years I have been engaged in the Telegraph, as a vocation, and my experience has been on different lines and sections in America, and throughout Europe. I presume it to be wholly unnecessary to present anything in commendation of my ability to present a Work on this subject, as I have been publicly before the Telegraphic world, on both continents, long enough to render such a procedure wholly superfluous. The subjects discussed, will be understood, for the present, under the following heads:

1st.—An Outline History of the Telegraph, and its Progress throughout the World.

2d.—A Brief Description of the Different Systems of Electro-Magnetic Telegraphs, especially those in Practical Use.

3d.—The Mode of Constructing Submarine, Subterranean, and Overground Lines in Europe and America.

4th.—The Manual of Manipulation and Administration of the Different Systems of Telegraphing.

5th.—Notices and Incidents having Reference to the Practical Operation of the Science and Art.

It is my purpose to divest the Work of partiality to any particular system, and give the facts practically demonstrated in regard to the respective rights and inventions of rivals, in whatever department.

A Work on the Telegraph, unaccompanied with Illustrations, would be practically useless. It is indispensable to have them, to enable the reader to understand the subject-matter discussed. If the subscription be liberal, I hope to have some two hundred Illustrations. I have only promised half that number. Whatever the subscriptions be in excess of what I have promised in the Prospectus, will be expended on the Work.

It must be remembered that a Book of this kind is limited in its circulation, and it cannot be expected to be patronized by the public generally. Any Telegrapher can afford to spare $3 for this Work. If it does not prove to be more than represented in the Prospectus, the money will be returned.

I will be thankful to any one for information on Practical Telegraphing. Any incident in the operation of lines will be useful. Improvements in manipulation, or in the management of lines, will be acceptable for public use.

Telegraphers will, I hope, not fail to communicate to me at an early day anything in their power, which might be calculated to subserve the general weal of the profession.

ADDRESS

TAL. P. SHAFFNER,

Worcester, Mass.

NAMES OF SUBSCRIBERS.	NO. OF COPIES.	RESIDENCE.

M B Wood
Jan 3, 1859

Western Union Telegraph Office,

ALBION, Jan 3 1859.

Dear Ezra

I have been quite unwell most of last month with a drole disease, I would shake a while like the ague & have all the simpton of that disease, every joint in me would ache for 48 hours then go off & my head & neck would begin to swell & my ears get as big & thick as my hand & burn as though they were frosted. Then sores will come out all over my head & ears & nose & my hair will be thick with scabs. I two or three day they will heal up & then chills come on & the same process is gone over again

I am able to be about the house & go out to the barn to see to the cow but our folks object to my going away far. I have been to S. Bu & Kalamazoo & bought the six shares of stock & to Ionia & paid that note & to Butler and got a mortgage for $240. on a good improved farm of 120 acres & would go to Gratiot if our folks was willing. They want I should wait till Hiram goes I shall send the new stock certificate to you with the old ones to be cancelled and returned. There is about $100. cash dividend due on them beside the script. Caton sent me $850. I have $120. left which must go to Gratiot as you dire-

-cted. There is not a particle of snow here & I dont think I shall wait for Hiram. Edward will want his money. Cobb has sent 8 shares here to be transfered & wants I should return them with Trustees signatures. Two are on affidavit. I think I will fix it for him & you will most likely find them at Rochester When you sign it, send me old script cancelled. James money did not last her over three day & I added two dollars to get ballance of ribbons. She is verry rugged & seems to Enjoy herself finely. With regard to the trade with J. Robertson I have nothing to advise. They accept your offer only dont seem to understand what the

bonds mean & how the ballance
is to be paid. John wants
half down in cash or its equi-
valent to including the house
& lot, & the ballance in one, two,
& three years at 7 per cent.
I have no doubt it would be
for their interest to trade, as
they could pay their debts and
have a fair little sum left.
They want you to write the
terms specific so they can proceed
The poor scamp of a Colby has
left without forking up the
rent & the womans furniture
was all disposed of for stuff
to live on, so she left him for
parts unknown. The house
is empity & no application
for it. It is a general time
of health here. will write
by express from De

Yours truly
W.B. Wood