E. L. CORTHELL,
CIVIL ENGINEER,
205 LA SALLE STREET, CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

Chicago, October 15th. 1890.

Prof. W.R. Harper,

Yale College, New Haven, Conn.

My Dear Sir:-

I have yours of October 8th. in reference to the American Institute of Sacred Literature. I would be very glad to assist in such a worthy object but I cannot do so to any great extent just now. I send you enclosed my check for $100 which I hope will be of some little service.

"We had our first meeting to-day of the Committee on Buildings & Grounds of the University and after making a permanent organization with Mr. Hinckley as Chairman and Dr. Goodspeed as Secretary we adjourned to the call of the Chairman, it being understood, however, that we could do nothing further until the plan for the University is brought out, which it is expected you will give us within a few days. I think it is quite important that there should be as little delay as possible in bringing your plan before the Board of Trustees."

I leave here next Tuesday for Mexico to be gone three weeks and fear that I will be away when you come, which I greatly regret.

Yours truly,

E. L. Corthell

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I leave here next Tuesday for Mexico to be gone three weeks and fear that I will be away when you come, which I greatly regret.

Yours truly,

Chicago Nov 23/90

Dear Dr Harper.

I am just informed that you are to be here to give your plan to the Committee on Organization on the 27th — first later to the Board and later still to the Committee on Buildings & Grounds.

If permissible I would like to hear your exposition of the plan to the Organization Committee — During your visit I would like to entertain you and should that not be consonant with your ~~other~~ engagements I shall certainly expect you will dine with me once —

Your general idea as given to me and the University subject in general is growing in my mind and heart — I want to be useful in bringing

it to complete realization —
As I travel in this Country
and in Mexico even I meet
many people who have heard of
it and are interested in it — but
I meet many who think it
is a "Utopian" scheme — the minds
of the latter I at once disabuse
of the false impression —
I shall remain in the Country
and most of the time in
Chicago until Jany 15th
when I shall be gone another
month in Mexico.

Wishing heartily your
welfare — Yours very Ly
E. L. Corthell

E. L. CORTHELL,
CIVIL ENGINEER,
205 LA SALLE STREET, CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

May 20, 1891.

Dr. W. R. Harper, President,
University of Chicago, Yale College,
New Haven, Conn.

My Dear Dr. Harper:-

I send you enclosed my European itinerary in order that we may if possible meet in Europe. I understand from Dr. Goodspeed that you are going there this summer.

I am very sorry to leave the Building & Grounds Committ ee with matters undecided, but I gave expression to my views at a meeting yesterday of that Committee so they will know what I would do if I were present at any future meetings.

Very truly,

E. L. Corthell

Dictated by Mr Corthell

Itinerary sent in previous mail

Protected by
McCartle
Literary Trust and Insurance Mail

E. L. CORTHELL,
CIVIL ENGINEER,
205 LA SALLE STREET, CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

May 13, 1891.

Dr. W. R. Harper, President,
University of Chicago, Yale College,
New Haven, Conn.

Dear Sir:-

I was so gratified to see by the newspapers received in Mexico that arrangements had been perfected for 4 blocks of land for the University, that I telegraphed Dr. Goodspeed heartily approving the action, also the giving of our plans to some architects to furnish sketches.

We will be able on Saturday, at the meeting of the Building & Grounds Committee, to determine something definite in regard to the work.

I am much pleased with the outline for the new School of Practical Arts, made by Professor Merriman. I think it is a very sensible and practicable one.

I am expecting to go to Europe, sailing on the 30th of May, to be gone about 4 months, having in view the examination, professionally, of harbor works in England, France and Holland, and terminal facilities.

I am also arranging to visit several Universities in England and Germany with a view of informing myself in regard to this important subject in order that I may be more useful as a Trustee of the University.

As I probably will not see you again I will ask you to kindly give me points as to what it is best for me to examine, and what Universities and Colleges.

Very truly,

E. L. Corthell

July 12, 1921.

Dr. W. H. Murphy, President,
University of Chicago, Yale College,
New Haven, Conn.

Dear Sir:-

I was so gratified to see by the newspapers received in Hong Kong that arrangements had been perfected for a block of land for the University, that I telegraphed Dr. Goodspeed heartily approving their action, also the giving of our plans to some architects to furnish sketches.

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Very truly,

E. L. Corthell

San Luis Potosí Mex - Feb 29/92

Dear Dr Harper -

I was greatly pleased today to read in the St Louis Papers received on the train that Mr Kent has given us so generous an amount - for a Chemical Laboratory - I hope others will follow in his footsteps and build other parts of our university.

I want to assure you that I feel sorry that enforced absence from all this work in which I have so deep an interest and which it is my duty to help in - I say "enforced" yet I feel amply repaid for much hard work and time given to my work here which is no more nor less than arranging in company with two other gentlemen " a concession for opening a great Interoceanic Route between the Atlantic & Pacific across the Isthmus in Mexico, where for so many years, I have been engaged in efforts to build a Ship Ry - This concession and another to follow means the expenditure of $2.000.00 - the establishing of Steamship lines and a Commerce Route opened that will be of great and lasting benefit to mankind - I shall get home in April and hope to then re-

remain in the National Monty in Chicago for several months. One of the important matters I wish to again take up and help in is our great University.

Yours very truly

E. L. Lenchitz

Continue

(21)

San Antonio - Tex - Sept - 22/92
on R.R. to Mexico -

Dear Dr Harper -

Director General Davis spoke to me about the great Mexican meteor which the Exposition wants and will then turn over to the University -

It weighs over 20 tons.

The Mexican Govt Commission is travelling with me and I have by him sent a message to the Minister of Fomento my friend - and to Prest Diaz also my friend - I shall reach Mexico City from Tampico about the 1st Oct and will try to help -

If you would write me a note addressed Care J. A. Hampson. 13 San Juan de Letran City of Mexico, stating your desire to have it presented to the University of Ala. I will see if it has been an exhibition in their mineral Exhibit. I may be of service in securing it. If there is anything else I can do in that land of Curios I will be glad to do it.

J. P. Cornell

THE GENESEE, Buffalo, Sept 3 1892

(3)

Dear Dr Harper

I have yours of 1st inst – I see by the Tribune of the 2d that you have moved to the University – This looks like business – also that a goodly number of pupils have passed the examination and more to come –

Although unable of late to attend the meetings being absent here – Mon – N. Y. Atlanta (and made the same towards again) I watch everything about the Univ – I can get hold of – and hope for abundant success in all your undertakings – Yours very truly J. L. Corthell

Cortelyou

TAMPICO ROUTE.

Compañia del Ferrocarril de Monterey al Golfo Mexicano.

W. H. H. Lingard, Auditor

Departamento del Contador.

Monterey, México.

(89)

Sept 28/92

Dr Wm R. Harper
President University of Chicago
Chicago Ills

My Dear Sir –

Mr Adams of Michigan University has for some time attempted to persuade our Consul General at Nuevo Laredo to get up a Course of Lectures on Mexico – its Constitution – laws – Customs. resources &c &c – He has consented to do this and I have suggested to him last night that they would be admirably adapted to our University Extension lectures this winter at one of the large Chicago Centers –
No man is better able to do this. Mr Hetherton has been in his present position 15 years through various administrations – he speaks Spanish perfectly as well as several other languages – he is a good writer and an easy talker. He was called to Washington by Mr Blaine to assist in the Pan American Congress – His department is the whole Northern half of the Republic. he is a close observer and Student –
He will write you sending an outline of his lectures. a copy of a letter from Mr Matias Romero – the for many

TAMPICO ROUTE.

rañia del Ferrocarril de Monterey al Golfo Mexicano.

Lingard,
Auditor

Departamento del Contador.

Monterey, México.

Excuse a Mexican minister at Washington
not very fine writing. also copy of
Mr Adams letter —
I hope you can secure him for our
Illinois course —

Yours
O L Cottell

E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

Corthell

Meteors

Mexico, Oct. 4th, 1892.

Wm. R. Harper, D. D.,

President of the University of Chicago,

Chicago, Illinois.

My Dear Sir:-

I have your letter and had already taken steps to ascertain if the Government would be willing to send the Meteorite to Chicago for Exhibition, and later presentation to the University. I am sorry to say that there are, what now appear to be insuperable obstacles. There is a law, passed by Congress, prohibiting sending out of the country anything of this kind; and, second, it is the purpose of some parties, that now have it in charge, to bring it to the City of Mexico for exhibition, and arrangements are now being made to haul it here.

I would advise to let the matter rest for the present. Something favorable may occur later. I am ready to lend my assistance in every way possible, either now or in the future.

Yours very truly,

E. L. Corthell

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President of the University of Chicago,

Chicago, Illinois.

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E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

no ans Corthell

Chicago, Ill. Nov. 29th, 1892.

Dr. Wm. R. Harper,

President, Chicago University,

City.

My Dear Sir:-

I spoke to you last Saturday about the selection of three Professors of the University to become members of the Committee on the Aerial Navigation Conference to be held in the first of August next year at the same time that the International Engineering Congress is to be held.

Mr. O. Chanute, whom you know as one of the most prominent and well known Engineers in this country and who has given a great deal of attention to the subject, will be the chairman of the Committee. Two other Engineers, one of whom is myself, will be on the Committee, also Professor Zahm of Notre Dame University, South Bend, Indiana. The subject is really of more importance than would at first sight appear. The programme for this Congress has been very carefully drawn up and we propose to make it a scientific and useful discussion of a coming subject, and I can assure you that any of your Professors will be glad of being on this Committee. They will be in good company and not in a company of "Cranks".

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(W. R. H., 2,)

Professor Zahm will be in this city on Thursday and we hope to have the first meeting of the Committee at that time and I will be glad to have you at once select and obtain the consent of three of your professors. Please let me know at once which you can do by telephone. My number is "Main 1445" and I probably will be able then to state at what hour the meeting of the Committee will be held. I would like to know from you at what hour the three professors could make it convenient to attend.

Yours truly,

E. L. Corthell

(W. R. H., Jr.)

Professor Kelse will be in this city on Thursday and we hope to have the first meeting of the Committee at that time and I will be glad to have you at once select and obtain the consent of three of your professors. Please let me know at once which you can do by telephone. My number is "Main 1242" and I probably will be able then to state at what hour the meeting of the Committee will be held. I would like to know from you at what hour the three professors could make it convenient to attend.

Yours truly.

E. L. Corthell

Corthell

(8) over

37 Bellevue Place.

Dec 3/92

Dear Dr Harper -

I greatly desired to see you at the University today in reference to the "Diamond Joe" quarter million -

I would like very much to have you come to my office on Tuesday when you come to the City -

Please let me know if you can come there and at what hour - addressing me Room 902 The Temple - 184 La Salle st -

and confer a great favor upon

Yours very truly

E. L. Corthell

E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

no date

Corthell

Chicago Dec 3/92 —

Dear Dr Harper —

Excuse me for again troubling you about the "Aerial Navigation Conference". The members of the Committee of organization so far are Mr O. Chanute & Mr Cloud & myself — Civil Engineers — Prof. I. O. Baker — Prof of Engineering State University Champaign — Prof Zahm of Notre Dame — and Prof. Elisha Gray so. if you will appoint a select one or two of your leading professors of national reputation they will be in good company at least — They will not need to give much attention to the matter at present. As soon as the preliminary programme is ready a meeting will be called —

Please give me the name of Tuesday

Yours truly

E L Corthell

E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

(97)

Corthell

Chicago, Ill. Dec. 6th, 1892.

Dr. Wm. R. Harper, D. D.,
President, University of Chicago,
City.

My Dear Sir:-

I wish to urge upon your attention once more the importance of establishing at an early day in connection with the University, a great school, or schools, of practical Engineering, that will combine the various branches of this profession, namely, Civil, Mechanical, Mining with Metallurgical, and Electrical Engineering.

A quarter of a century of active engineering work on railroads, harbors, levees, bridges and many related constructions, in which time there have been under my charge works that have cost nearly $100,000,000, enables me to speak from an intimate knowledge not only of the work of the Engineering profession, but of the growth of Engineering from a trade to a profession during this quarter of a century.

In this time I have, as you must know, had intimate relations and close contact with many Engineers of all classes, grades and kinds. I can speak therefore with definiteness and decision when I give the opinion that we need in this part of the

Chicago, Ill., Dec. 6th, 1892.

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President, University of Chicago,

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In this time I have, as you might know, had intimate relations and close contact with many Engineers of all ages, classes and grades. I can speak therefore with definiteness and positiveness when I give my opinion that we need in this part of the

United States a school of Engineering, established on a broad basis and fully equipped with everything that modern ideas of such schools require.

When Engineering a quarter of a century ago was simply a trade both in this country and in England, a young man supplied meagrely with an education, was apprenticed as a mechanic or a blacksmith would be, but not only in this country but abroad, the idea now prevails that an Engineer should be educated and with more culture. In other words, he who builds and makes should be better fitted than before for his work, with better mental training. I am satisfied that the prevailing ideas and the schools of the day are not broad enough for the future or for the next quarter of a century. We need in this profession men of better and broader education, and of a higher culture than the schools of the day generally send to us.

There is no part of this country where a great Engineering schoole embracing all branches of Engineering, is needed so much as in, or near, Chicago, and I know of no University which in breadth and thoroughness of education is better fitted to take charge of such a school. We might call it an Engineering School of higher education, and where more than the rudiments of an education shall be taught before a young man takes up the practical studies of his profession.

(Wm. E. M., 2.)

United States a school of Engineering, established on a broad basis and fully equipped with everything that modern ideas of such schools require.

When Secretary Lane's character of a country gave was simply a trade book, in this country and in England, a young man engaged medicine with an operation, was apprenticed as a barber or a miscellaneous world so, but not only in this country but England, the idea now prevails that an Engineer should be attracted and with more culture. In other words, he will bring and should be better fitted than before for his work, with better mental training. I am satisfied that the prevailing ideas and the schools of the are not based enough for the future of now the high quality of a country. We need in this profession men of culture and broader education, and of a larger outlook than the schools of the day generally send to us.

There is no fear of this country where I cross Engineering schools embracing all branches of Engineering, be needed as much as in, or near, Chicago, and I know of no University which in breadth and thoroughness of training in Science fitted to take charge of such a school. We need not in an Engineering School of higher education, and where have that the qualifications of an education shall be absent before a young man takes up the practical side of his profession.

(Wm. R. H, 3,)

We should combine the breadth and depth, and I may say, the thoroughness of a German Technical education with that of a practical education now taught in our best Engineering and Technological schools.

The same reasons that now make a demand for young men educated in our best Engineering schools and lead us to reject applications for position from young men not thus educated, lead us to encourage and to urge the adoption of a plan that would give to young men who are preparing for the Engineering profession a still broader and better preliminary education, before they undertake the practical part of their work.

Just at present there is a special reason for arranging for such a school of Engineering and formulating the plans for it. We will certainly have in this city next year thousands of Civil, Mechanical, Mining and Electrical Engineers not only from the various parts of our own country, but from all foreign countries as well. We are arranging with every prospect of abundant success a very important International Engineering Congress during the Exposition. We are also offering the hospitalities of our rooms not only in the city but at the Exposition to all of these visiting Engineers. Many learned men of the Engineering profession and men of large experience and great ability will be with us at that time. If we could have upon our walls the plans of our buildings and upon our tables the programmes of our Engineering

(Wm. R. E. S.)

We should combine the breadth and depth, and I may say, the thoroughness of a German Technical education with that of a practical education now taught in our best Engineering and Technological schools.

The same reasons that now make a thorough technical education in our best Engineering schools and lead us to redouble efforts for position from young men not thus educated, lead us to encourage and to urge the adoption of a plan that would give to young men who are preparing for the Engineering profession a still longer and better preliminary education, before they undertake the practical part of their work.

Just at present there is a special reason for arranging for such a school of Engineering and formulating the plans for it. We will certainly have in this city next year thousands of Civil, Mechanical, Mining and Electrical Engineers not only from the various parts of our own country, but from all foreign countries as well. We are arranging with every prospect of abundant success a very important International Engineering Congress during the Exposition. We are also offering the hospitalities of our rooms not only in the city but at the Exposition to all of other visiting Engineers. Many learned men of the Engineering profession and men of large experience and great ability will be with us at that time. If we could have upon our walls the plans of our buildings and open our halls the programme of our Engineering

schools. There never would be a better opportunity to bring this important subject to the attation of the Engineering profession.

Hoping this matter in all its breadth and imprtance may be brought to the attention of the very liberal patrons of this University at an early day in order that some thing practical and commensurate with the coonditions may result, I am,

Yours very truly,

G. R. Carroll

(Wm. R. H., Jr.)

E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

Chicago, Ill. Dec. 7th, 1892.

Dr. T. W. Goodspeed,

Sec., University of Chicago,

Room 1212, Chamber of Commerce Bldg.,

City.

Dear Sir:-

Knowing that the progress of the work on our buildings depends largely upon the delivery of stone, I made an examination this morning of the stone yard. I have the following to report:

There are on the Snell Building 41 stone cutters: on Kelly and Beecher, 41: on Kent, 18: on Walker, 27, and there are 9 splitters, making a total of 136 stone cutters that were working on our Buildings this morning by actual count.

In addition there are 16 handlers and 3 hand rubbers: there is one rubbing bed works which works night and day for our Buildings, on which there are 3 men.

There are 3 gangs of stone saws, working nights, days and Sundays, with 3 men on the day shift and 2 men on the night shift. These gangs of saws run about 35 cuts at a time in all.

The planer is working on our work night and day and Sunday, with 3 men on the day shift and 2 men on the night shift.

Chicago, Ill. Dec. 7th, 1892.

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The planer is working on our work night and day and Sunday, with 3 men on the day shift and 2 men on the night shift.

T. W. G., 2,)

There are also engaged exclusively on our work, 1 draughtsman, 4 foremen and 2 shipping clerks, making a total of 175 men. This is not taken from the books, but by count in the yard.

There are 7 teams hauling stone regularly to the University Buildings.

On Monday next there will be shifted from the Snell Building to the Kelly and Beecher, 15 stone cutters, as Snell is nearly completed.

There are in the yard about 10 men closing up the work on the Auditorium Hotel Annex, 4 of whom will on Monday next be put on the University work.

I do not see how Mr. Heldmier could do much more than he is doing.

I am,

Yours truly,

T. W. E., E.)

There are also engaged exclusively on our work, 1 draughtsman, 4 foremen and 2 shipping clerks, making a total of 175 men.

This is not taken from the books, but by count in the yard.

There are 8 teams hauling stone regularly to the University buildings.

On Monday next there will be shifted from the Shell Building to the Kelly and Beaumer, 15 stone cutters, as Shell is nearly completed.

There are in the yard about 10 men closing up the work on the Architectural Hotel Annex, 4 of whom will on Monday next be put on the University work.

I do not see how Mr. Holdster could do much more than he is doing.

I am,

Yours truly,

E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

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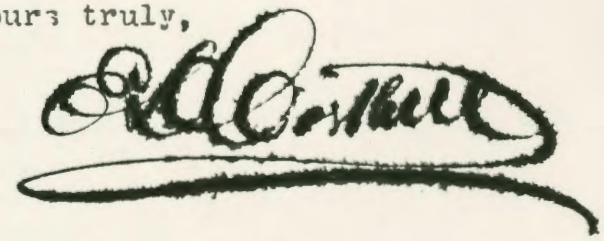

Corthell

UNIVERSITY CLUB.
MADISON SQUARE.

Apr 23/93

Dr Wm R. Harper
Pres't Univ. of Chicago
Chicago Ills

Dear Sir,
Will you kindly send to Mrs C. P. Huntington 65 Park ave. New York City the address in Spain of Mr Geo. C. Howland, for the benefit of Mr Huntington's son who is an enthusiastic student in Oriental languages and Sanskrit. Could will you say you sent it at my request.

Yours very
E L Corthell

E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

Corthell

Chicago, Ill.
Sept. 8th 1893.

Dr. Mr. R. Harper
President University of Chicago
City

My dear Dr. Harper

Please let me know what class of, and what special, exhibits you would like for the University — in Transportation, Mines and Mining, Machinery Hall, Electricity — Krupp's or elsewhere.

My association, as member of societies and personally with Great Britain — France Germany — Holland &c. may help in the matter.

I belong to four British societies; Institution Civil Engineers, London; Institution of Engineers and Ship Builders of Scotland, Glasgow; Society of Arts (and Chairman of American Committee — the Council of this Society is the Royal British Commission in Charge of the British Exhibits); and the Imperial Institute, London. also member French Society Civil Engineers, Paris; and have personal acquaintance elsewhere.

Also let me know how we can dispose

of the exhibits, not having founded yet an Engineering School: also I send me if available any brief condensed matter showing main features, scope, &c, of University.

I am not able personally to attend to the matter but something may come in my way of advantage to the University if I know what is wanted.

I am yours very truly

C. L. Corthell

E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

Corthell

Chicago, Sept. 28, 1893.

18

Dr. Wm. R. Harper,

President Chicago University,

City.

My dear Sir:--

I had an opportunity for the first time yesterday to examine the models of German engineering in the Transportation Building. Prof. Hartmann is absent, but I saw the gentleman in charge of these models and maps. He informs me that the German Societies of Engineers are to hold a National Convention next year in Berlin, where they intend to have this exhibit in its entirety on exhibition during the Convention, for the reason that it was prepared in different cities and by different parties and has never been seen as a whole in Germany. After this Convention it is possible that it may be donated or sold to institutions in this country. He further informed me that the Stevens Institute of Technology and the Columbian Museum had made application for them. I think the chances of our getting it are not good, particularly for the reason that we have not as yet established a School of Engineering, and these models and maps must be distributed through our other buildings for the time being. However, if you think we want them I will make an effort to obtain them, and I believe that my relations with the German Societies and with the lead-

Chicago, Sept. 28, 1893.

Dr. Wm. R. Harper,

President Chicago University,

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ing officials of these three societies are such,- with some little obligations which they feel under to me,- that I can obtain them if anyone can, and I believe they will give them to me in preference to other institutions-- but I may be mistaken. My plan would be to write as so on as I hear from you to the societies in Germany, and the sooner the better. If in my examinations I come across any models, maps, or relief maps of engineering work of any kind in any of the buildings, I will go straight to headquarters and ask for them. I think I can have some influence with the French Commissioner as I am a member of the French Society, C.E. and, as I told you, I am also a member of four societies in Great Britain which might entitle me to some consideration. I would like to ask if among models you include the models of steam ships and dredge boats which are on the main floor of the Transportation bldg. ~~floor;~~ if so I may secure some of these, as several of them were sent to this country on my personal request by ship-builders on the Clyde, and I am in correspondence, in connection with my harbor works in Mexico and elsewhere, with the manufacturers of dredging plants, ~~American~~ their models and of ~~completed~~ excellent ones are at the Exposition.

Yours very truly,

D. L. Cortell

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tion.

Yours very truly,

Cornell

Murray Hill Hotel.

New York, Oct. 18th. 1893.

Le Marquis Chasseloup-Laubat,

C/O. French Commissioner World's Fair,

Chicago, Ill.,

My Dear Marquis:-

Knowing that you were to return to Chicago I expected to see you there in reference to a matter in which I am greatly interested.

I have the honor to be one of the Trustees of the University of Chicago, whose buildings and grounds you have seen from the Ferris Wheel no doubt, as it is immediately north of the Plaisance. This University is richly endowed for a new one with about $5.000.000. Most of its Departments are now well organized, and we have erected a beautiful Chemical Laboratory and Physical Laboratory, donations of two wealthy gentlemen of Chicago, and it is a proposition, largely of my own suggestion, to found, as soon as possible a great School of Engineering and Architecture. We desire very much to obtain from the Exposition some of the Engineering Exhibits in the way of samples, plans and models.

My ill health has prevented me from seeing the french exhibits of this kind but I am informed that there are many such. I wish

Murray Hill Hotel.

New York, Oct. 15th, 1893.

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Chicago, Ill.,

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If you have the opportunity I would greatly like to have you call at the University on President Harper or Prof. Chamberlain or Secretary Goodspeed, who will be delighted to show you the buildings.

I am detained here on important matters which took me very reluctantly from my home; I am getting better but am not strong yet; I hope to see you before the end of the month.

I am getting together a Souvenir of the excursion of the French Engineers from Chicago to New York. It will include some letters by the Engineers en route; also quite a number of newspaper clippings giving an account of their visit to different cities, and if I finish it before you leave I will ask you to take it with you to the Society. I shall be at this hotel for a few days.

Very truly yours,

Sgnd E L Corthell

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Very truly yours,

Dupuis

Address, The Temple, Chicago, Ill.

New York, Oct. 18th. 1893.

W. J. Millar, Sect.,

Institution Engineers & Ship Builders,

Glasgow, Scotland.

My Dear Sir:-

Please find enclosed two letters which I will ask you to forward at once, with any note of your own which you may be willing to send. The letters, which please read, will explain themselves, and I send them to you in order that you may assist me.

I will say further that I would like also very much to have the large exhibits which was displayed before the International Engineering Congress by Mr. Dees, relating to the improvement of the Clyde. We would hang this up in our University as one of the important examples of river improvement, and it would, with the paper of Mr. Dees, be very instructive in that branch of engineering.

Will you kindly convey to Mr. Dees my desire to have this presented to the University of Chicago? You or he can address me as I am one of the Trustees.

Very truly yours,

Yours F. L. Cortelyou

Address, The Temple, Chicago, Ill.

New York, Oct. 18th. 1898.

W. J. Miller, Esq.,

Institution Engineers & Ship Builders,

Glasgow, Scotland.

My Dear Sir:-

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Very truly yours,

Virgil Bloomfield

Address, The Temple, Chicago, Ill.,

New York, Oct. 18th. 1893.

Col. James H. Thomson,

Clyde Bank,

Dunbartonshire, Scotland.

My Dear Sir:-

While in Scotland two years ago I called on you with a letter of introduction to see your Works, and was greatly delighted with the examination. I think I spoke to you or some one at that time in regard to sending models of your work to the Exposition in Chicago. I am very glad to see that you sent quite a number which have attracted a good deal of attention.

I desire to ask if you would be willing to present these models, or some of them at least, to the University of Chicago, of which I am one of the Trustees. We are preparing to establish, with other departments, a great School of Engineering and Architecture, in which there is to be included a division of Marine Engineering and Naval Architecture, which we hope to make an important specialty. These beautiful models of yours would be of great value as showing the best types of the day of steamers and naval vessels.

If you will favorably consider my request please communicate with me at once or with your Agent in Chicago, so that the models may not be sent away.

Very truly yours,

Yours E. B. Cortelle

Address, The Temple, Chicago, Ill.

New York, Oct. 18th. 1892.

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Clyde Bank,

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Very truly yours,

Address, The Temple, Chicago, Ill.

New York, Oct. 18th. 1895.

Messrs. Denny & Sons,

Ship Builders,

Glasgow, Scotland.

My Dear Sirs:-

You will remember that in 1891 I called at your Works, to examine them, and had the pleasure of taking luncheon with you, and to talk with you in reference of an Engineering Exhibit at the Exposition in Chicago, in which I was greatly interested, and I asked you at the time to send some models of your vessels, which I think you did.

I write this letter to thank you for doing so and at the same time to ask if you are willing to donate them to the University of Chicago, of which I am one of the Trustees, as I am specially promoting the establishment of a great School of Engineering and Architecture; one of its divisions will be Marine Engineering and Naval Architecture. You may think this request unprecedented, but I am greatly interested in the subject and in promoting the University by having in it the best types of the Marine Architecture of the day. Please communicate with me at my Chicago address.

Very truly yours,

Signed C. L. Corthell

Address, The Temple, Chicago, Ill.

New York, Oct. 18th. 1898.

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Ship Builders,

Glasgow, Scotland.

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Very truly yours,

Stanford E. Gorham

HUNTING & HAMMOND.

Cortlell

Murray Hill Hotel

40TH TO 41ST STS. PARK AVENUE.

New York, Oct 25 1893

My Dear Dr Harper

I was at my room at 2.02 - waited a moment; went to your door - found key in it - left my card on knob with no. of my room - went back and waited - went to your room found it ~~[illegible]~~ shut but key in it and card gone - supposed you would come in to write - and at 2.50 - went down and found your note in my box - went over to Nate's. found a crowd going in - and it was then too late - I am very sorry. Key Clerk says you were sitting on steps for some time in office -

So much for that

HUNTING & HAMMOND.

1/. New York, 189

About the School —
What we need in my opinion is a "School of Engineering and Architecture" — not a technological or manual training alone — but more and higher —
"Civil Engineering" as known in England embraces all we need except architecture, itemized the subjects or divisions are as we denote them in this Country —
Civil. mechanical — Mining. Metallurgical Electrical and Marine Engineering —
Then Architecture including Naval Architecture —
Prof Unwin's Central Institute London comes the nearest to my idea — but broader still —

~~both in Scarce and practice~~

2) New York, 189

both in the Science and Practice — we should have such branches as Railroad Operation &c —

Now! how to start it is the question. where is the money to come from — If some man who loved the profession but had become wealthy & it or outside of it and wanted to encourage a true study of it all would give us $1,000,000 we would be started but where is he? or if we could find several — but where are they?

I confess to be lost — the moment I get down to the "Ways and Means" question — I shall be studying it out writing I work or

HUNTING & HAMMOND.

Murray Hill Hotel

40TH TO 41ST STS. PARK AVENUE.

New York, _____ 189_

3

Could run against some educated Engineer he is—
If you can indicate your an "picadura" I'll go into the jungle and see if there is a way through to "the open"—

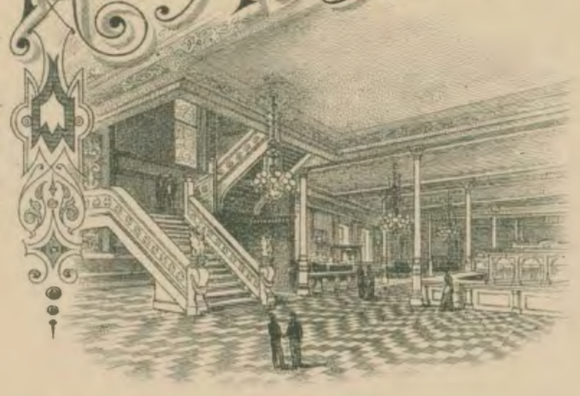
Yours very

E L Corthell

Corthell

HUNTING & HAMMOND.

Murray Hill Hotel



40TH TO 41ST STS. PARK AVENUE.

New York, Oct 18 1893

Dear Dr Harper —

You will be surprised to know that the demands of important business have again pulled me out of my house where I was trying to rest and get well to N. Y. —

In addition to an earnest letter to Germany a few days ago about the German Engineering exhibit — I have mailed to day the violent which please file away to await development —

If the Marquis Carlo kindly show him what we have — he is a prominent member of the French Soc. C. E. —

Will you kindly instruct the registrar to send me another Calendar of this year

HUNTING & HAMMOND.

Murray Hill Hotel

40TH TO 41ST STS. PARK AVENUE.

New York, _____ 189_

to my Residence 82 Bellevue Place
I have sent my 4th Mr Huntingdons
son who is interested in our work —
If you should put him on your
list — I would like it. Address
" A. M. Huntington Esq Westchester N.Y."
He is a scholar — particularly in
Spanish — Mr J Knapp knows him

Yours

E L Corthell

Corthell

Murray Hill Hotel, N.Y.

Nov. 21st. 1893.

Dear Mr. Smith:-

Will you or Lieut. Baker kindly inform me if thee was in your Dept. or in any other, possibly in Liberal Arts, a relief map of the Wady Raiyan Depression near the Nile, sent by Mr. Cope Whitehouse of London? I have a letter from him that he did so, but has heard nothing of it, and that if Chicago would like it he will present it to the City for its museum.

I have been interested in this important project for many years. I have believed and do believe that the construction of the Canal leading to this great reservoir and regulator of the Nile, performed by Joseph, Jacob's son, was the direct cause of the greatness of Egypt, and the abandonment by desuetude by later centuries was the cause of the downfall and decay of that country. Mr. Whitehouse has given years of his life to the project of the restoration of this reservoir, and it is just now being finally examined into and reported on by an International Commission of Engineers.

I urged Mr. Whitehouse when I was in London in '91 to have this model made and sent to the Exposition. Please inform me about it. If the University is to have any of the exhibits for its museum I shall write to Mr. Whitehouse that I would like to

Murray Hill Hotel,N.Y.

Nov.21st.1925.

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Yours truly,

E.L.Corwin.

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Yours truly,

E.L.Corthell.

Note copy of Mr. Whitehouse' Letter enclosed, of course it is <u>not</u> for publication. Address me Murray Hill Hotel.

E.L.C.

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Yours truly,

E.L.Cortnell.

Note copy of Mr. Whitehouse' letter enclosed, of course it is not for publication. Address me Murray Hill Hotel.

E.L.C.

Cornell

Murray Hill Hotel.

New York, November 23rd. 1893.

Dr. William R. Harper.

Presdt. University of Chicago.

Chicago, Ill.,

My Dear Sir:-

I received a letter from Messrs. James and George Thomson, which I send you; you will see from it that I am not succeeding very well in obtaining exhibits for the University.

Yours very truly.

E. H. Cornell

Murray Hill Hotel.

New York, November 28th. 1892.

Dr. William R. Harper.

President. University of Chicago.

Chicago, Ill.,

My Dear Sir:-

I received a letter from Messrs. James and George Thomson, which I send you; you will see from it that I am not succeeding very well in obtaining exhibits for the University.

Yours very truly.

Corthell

Murray Hill Hotel.

New York, Nov. 8th. 1893.

Dr. Wm. R. Harper.

Presdt. University of Chicago,

Chicago, Ill.,

Dear Sir:-

you will see from the enclosed, from Messrs. Denny & Bros., Dunbarton, that we cannot obtain the beautiful models which they had at the Exposition, as they are going to Antwerp.

Very truly yours,

E L Corthell

Murray Hill Hotel.

New York, Nov. 8th. 1893.

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Presdt. University of Chicago,

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E. L. CORTHELL,
CIVIL ENGINEER,
"THE TEMPLE," CHICAGO, ILLS.
71 BROADWAY, NEW YORK.

Corthell

Newell

New York, Jan. 24th, 1894

Dr. Wm. R. Harper, Esq.,

President University of Chicago,

Chicago, Ill.

Dear Sir:-

You will remember that I wrote to Mr. C.O.Gleim, Engineer in Hamburg, Germany, asking him to use his influence in obtaining for the University the German Engineering Exhibit. His letter received today in reply to mine goes into the matter so fully that it is necessary to give you a copy of so much of it as relates to this matter.

"In reply to your request of having the German engineering exhibit dedicated to your new University, I saw at once that in this shape a compliance with your wishes was out of the question. The exhibits got up for this occasion, most of them from Boards of Public Works of Governments or municipal administrations, were sure to be intended for gracing the walls of the offices of the Boards or city engineers until called for by some new Exposition elsewhere, and I remember seeing some of the Chicago exhibits at the respective public offices, having been originally prepared for

New York, Jan. 24th, 1894

Dr. Wm. R. Harper, Ped.,

President University of Chicago,

Chicago, Ill.

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W.R.H.

some previous Congress or Exposition in Germany. They are kept on hand for similar occasions, and in the mean time are of valuable service to the respective administrations. So I recognized at once that an application for the original would be of no practical use. Happening to go to Berlin a week after receiving your letter, I called on Mr. Herzberg, the Chairman of the Joint Committee of German Engineers for the Joint Engineering Exhibit at Chicago, and found that he fully agreed with my views. But we agreed that it would be practicable to request the exhibitors to get up photographic reproductions of their exhibits in uniform style, and then there would be a fair chance of obtaining for you a full set of these. I think this will be the best that can be done. Mr. Herzberg told me that he had the consent of nearly all the exhibitors to loan their exhibits for a special exhibition in Berlin, th this Summer, at the time of the Mechanical Engineers Convention, and I think it will be best to wait till this is fully settled before taking further steps in the matter. I shall keep it in view and advise of what course things are taking."

Yours very truly,

O. S. Cottrell

W.R.H.

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Yours very truly,

G. L. Herrmann

E. L. CORTHELL.
CIVIL ENGINEER,
71 BROADWAY, NEW YORK.

Corthell

North Egremont, Mass.

July 6th, 1895.

(16)

Dr. Wm.R.Harper,

President University of Chicago,

Chicago, Ill.

Dear Dr. Harper:-

I have from time to time since I have been away and since my return received the notices of meetings and other information from the University. I had hoped as I wrote yourself and Dr. Goodspeed to see you long before this, but it has not been wise for me to take the trip to Chicago as yet. I hope to do so in the Fall. In the meantime I am reading with great interest everything that I see in the papers and elsewhere in regard to the University, also the productions of the University press.

Very soon after my return to the United States I carried out an idea which I had thought of a good deal while I was away and that was to make a strong appeal to Mr. Gates, who, I supposed, was still the Secretary of the Education Society. For your information I send you inclosed a copy of my letter to him and his reply to me and I will ask you to kindly return it to me, also to suggest if possible some way in which I can assist in bringing about the much desired result. Also inform me what are your views in regard

North Egremont, Mass.

July 6th, 1890.

Dr. Wm.R.Harper,

President University of Chicago,

Chicago, Ill.

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to establishing at an early date a school of Engineering in connection with the University.

You have probably in the library now the Proceedings of Division E., Engineering Education, of the International Engineering Congress held at Chicago in 1893. In that book you will find some very strong arguments for such a high grade school as I am proposing and I call your attention particularly to the paper of Professor Burr of Columbia University.

With kind regards to yourself, Dr. Goodspeed and the Board of Trustees

I am

Yours very truly,

C. L. Corthell

to establishing at an early date a school of Engineering in connection with the University.

You have probably in the library now the Proceedings of Division K., Engineering Education, of the International Engineering Congress held at Chicago in 1893. In that book you will find some very strong arguments for such a high grade school as I am proposing and I call your attention particularly to the paper of Professor Burr of Columbia University.

With kind regards to yourself, Dr. Goodspeed and the Board of Trustees

I am

Yours very truly,

Ed. Bartlett

Corthell

North Egremont Mass June 26/96

Dear Dr Harper –

I wrote Dr Goodspeed only two days ago about the School of Engineering and Architecture and now comes a clipping from a Chicago newspaper announcing the merging into the University of the Manual Training School. I had never dreamed of this acquisition as a "starter" for the great School and am of course greatly pleased –

I exceedingly regret that important pressing work keeps me from Chicago during these Convocation days – I should greatly enjoy them.

I wish you would send to Mr & Mrs Kennedy 1115 Indiana ave all invitations to the many occasions that it is possible for them to attend – and greatly oblige

C. L. Corthell

Corthell

Address 27 Pine st,
New York City

HOTEL CHAMBERLIN

OLD POINT COMFORT.

ALAN F. CAMPBELL,
MANAGER.

FORT MONROE, VA. Jany 7 1897

(21)

Dear Dr Harper

I have recently returned from Europe after two final operations to place the matter about my eye in better shape — I have seen in the papers notice of a New Years gift of $700000 secured by you for the University — I have seen no confirmation of this & if it be such good news. but assuming it to be so is there any hope or any purpose of starting an Engineering and Architectural School such as I had proposed?

I would like a word from you about it — I find I will have to put it into my future myself — and as soon as I can get at it I will undertake it if I am your obt Servt

L. Corthell

E. L. CORTHELL,
CIVIL ENGINEER,
27 PINE ST., NEW YORK.
AUDITORIUM BLDG., CHICAGO, ILL.

Corthell

New York, February 1, 1899.

H8

Dr. William R. Harper,
President,
University of Chicago,
Chicago, Ill.

Dear President Harper:-

I have been hoping for a long time to hear from you in regard to my report in Engineering Education. I take it for granted you have examined it and are now able to decide whether you would like to keep it for the benefit of the University. If so it would please me very much. If not, I would like it published, or a part of it at least in one of the engineering periodicals. Please let me know about it at your earl~~iest~~y convenience. I am

Yours very truly,

E. L. Corthell

New York, February 1, 1899.

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President,
University of Chicago,
Chicago, Ill.

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Yours very truly,

Geo. L. Vose

E. L. CORTHELL,
CIVIL ENGINEER,
27 PINE ST., NEW YORK.
AUDITORIUM BLDG., CHICAGO, ILL.

Corthell

New York, February 9, 1899.

Dr. William R. Harper, President,
University of Chicago,
Chicago, Illinois.

Dear Dr. Harper:

I have yours of the 6th inst. Of course if you have filed my report on Engineering Education, to use it for the purpose for which it was written, I am perfectly willing to have it remain in your hands for that purpose. I hope when I return from a trip to Mexico, within a few days, that I can make quite a little stay in Chicago and see you and your University.

I am,

Yours truly,

E. L. Corthell

28

E. L. CORTHELL,
CIVIL ENGINEER,
37 PINE ST., NEW YORK.
MONTAUK BLDG., CHICAGO, ILL.

New York, February 9, 1899.

Dr. William R. Harper, President,
University of Chicago,
Chicago, Illinois.

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I am,

Yours truly,

E. L. Corthell

E. L. CORTHELL,
CIVIL ENGINEER,
27, PINE ST., NEW YORK.
64, AUDITORIUM BLDG., CHICAGO, ILL.

Corthell

CABLE ADDRESS: { UNITED STATES: TABANQUE, NEW YORK.
EUROPE: TABANQUE, LONDON.

Get one Mr Corthell report

New York, Sept, 26th, 1899.

(1)

Dr. Wm. R. Harper,

Pres., University of Chicago, Chicago, Ill.

Dear Doctor Harper:--

I have recently examined at my library in North Egremont, Mass., where my daughter wrote out for me the report upon Engineering Education, the first copy of that report.

I may be egotistic, but I feel that this report contains so much valuable information that it ought to be printed and distributed among those who have assisted me by furnishing information in various countries, and also among professional educators and Civil Engineers, who are interested in this very important subject. I think the distribution, among such people, of this article just as it is, addressed to you as the President of the University, will do good and certainly cannot do any harm. It will tend to create an interest in the subject itself, and in the purpose for which it was written, namely, to found with the University a great school of Engineering and Architecture.

I do not know as I have ever told you of the amount of labor and of expenses connected with this report. A calculation of my expenses would run them up over $1000., largely in visiting various schools in Europe.

If you approve of the publication of this paper before it gets too old--you know it was written over a year ago--I would like to suggest that it be published under the auspices of the University by the University of Chicago Press. You have the original. I see no corrections to make, except one or two minor ones which I will

New York, Sept.26th,1892.

Dr. Wm. R. Harper,

From, University of Chicago, Chicago,Ill.

Dear Doctor Harper:--

I have recently examined at my library in North Greenbush,Mass.,where my daughter wrote out for me the report upon Engineering Education,the first copy of that report.

I may be egotistic,but I feel that this report contains so much valuable information that it ought to be printed and distributed among those who have assisted me by furnishing information in various countries,and also among professional educators and civil Engineers,who are interested in this very important subject. I think the distribution among such people,of the article just as it is,addressed to you as the President of the University,will do good and certainly cannot do any harm. It will tend to create an interest in the subject itself,and in the purpose for which it was written,namely,to found with the University a great school of Engineering and Architecture.

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write you about if you decide to have it printed. I think I could take care of 300 or 400 copies myself, and put them where they would do good in this and other countries, not only in the general cause of Engineering Education, but in that of the University itself. My acquaintance, as you know, is world-wide, and an article of this kind sent by me to my friends everywhere will carry some weight at least. At any rate, it will create an additional interest in the subject.

If, upon consideration, you cannot print this, but will allow me to print it at my own expense, perhaps I would be willing to undertake this additional cost, although I think the University ought to do it.

Kindly write me as soon as possible, for the reason that I expect, in a few weeks, to go to Europe, and will see many of the people there who are interested in this subject, and who assisted me in writing it up. I expect in the meantime that some business will take me to St. Louis and Chicago, and I will see you then, but this is doubtful.

Kindly reply at your early convenience and greatly oblige,

Yours very truly,

C. L. Corthell

write you about it if you decide to have it printed. I think I could take care of 300 or 400 copies myself, and put them where they would do good in this and other countries, not only in the general cause of Engineering Education, but in that of the University itself. My acquaintance, as you know, is world-wide, and an article of this kind sent by me to my friends everywhere will carry some weight at least. At any rate, it will create an additional interest in the subject.

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Kindly write me as soon as possible, for the reason that I expect, in a few weeks, to go to Europe, and will see many of the people there who are interested in this subject, and who assisted me in writing it. I expect to be gone three or four months, and then will take me to St. Louis and Chicago, and I will see you then, but this is doubtful.

Kindly reply at your early convenience and greatly oblige,

Yours very truly,

C. L. Bartlett

E. L. Corthell,
Civil Engineer,
27 Pine St., New York.

Washington, D.C., February 7, 1900.

~~Dr.~~ William R. Harper,

President University of Chicago,

Chicago, Illinois.

(2)

Dear Doctor Harper:-

At the suggestion of one of my scientific friends here, Mr. Howard, I called on Doctor Harris, Commissioner of Education, and explained to him the character of my report on "Engineering Education in the World", and he is inclined to believe that it would be a suitable paper to publish in his monthly reports, and wishes me to send it to him for examination. The copy which I have is very much blurred and hardly legible, and I will be very glad if you will send him direct the original; pasting on the enclosed address, and registering the package. If you will kindly have the report put in a large envelope and not roll it up, it will facilitate his reading of it.

If for any reason you are disinclined to send it, you can return to me the enclosed address.

I am,

Yours very truly,

E. L. Corthell

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Civil Engineer,
27 Pine St., New York.

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I am,

Yours very truly,

E. L. Corthell

The University of Chicago
Founded by John D. Rockefeller

Office of the President

Chicago

Pittsburg, January 4th, 1903

Dear Dr. Harper:-

Nothing that has come to me for a long time has given more genuine pleasure than the information through Mr. Kingsley that you are seriously considering the founding of a great and high grade school of engeneering in connection with the University.

Since I made my report three years age I have not been idle in the matter, so far as studying the question and conferring with those with whom I have been associated and with those whom I have met in my travels and work in various countries. I have been confirmed in my views expressed in that report in respect to the great importance of establishing in the United States-- a great School of Engineering of the highest possible rank and order-- I am more than ever convinced by my recent experience and association that it is the high grade Collegeiate or Academic education as a basis for a professional education that is necessary to make that desirable and ideal combination-- A man and an Engineer--

More, or further, that these times and still more the near future times call for such men and also for professional men in engineering who know more than one branch of engineering--- The Civil Engineer (Civil as distinguished from

military) of this century should be an all around Engineer- and should have command of so called civil and also mechanical and particularly electrical engineering---
Argentine- a country not supposedly high in its ideals- requires this and it requires until 25 to 26 years of age to fit a young man for his life work and than he can undertake anything.

If there is any way I can help you further or suggest any plan do not fail to call on me. I wish I had the leisure to throw myself wholly into the work of organizing, founding and building up a school with $5.000.000 funds-- I am so glad that you have taken this broad view of the requirements.

Such a school as we have in mind would be one of the most beneficent factors in the life of this nation-- equipping as it would educated men to be engineers, who would take charge and carry on the great engineering work of this country.

You can address me always at 1 Nassau St., New York.

I am sincerely yours,

H. L. Corthell

January 12th, 1903.

Mr. E. L. Corthell,

1 Nassau St., New York.

My dear Mr. Corthell:-

I is with great pleasure that we receive your letter of January 4th and note your continued interest in our proposed technological school. I hope that it is near. When you come to Chicago it will give me great pleasure to get your advice concerning it.

Yours very truly,

January 12th, 1903.

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Yours very truly,

HOTEL HENRY,
E. E. BONNEVILLE M'G'R.
PITTSBURGH.

Copy

(80)

Pittsburgh - Jany 4/903

Dear Dr Harper

Nothing that has come to me for a long time has given more genuine pleasure than the information through Mr Kingsley that you are seriously considering the founding of a great and high grade School of Engineering in connection with the University. Since I made my report three years ago I have not been idle in the matter, so far as studying the question and conferring with those with whom I have been associated and with whom I have met in my travels and work in various

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More, or further, that these times and still more the near future times call for such men and

HOTEL HENRY
5th BONNEVILLE MCG
PITTSBURGH.

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E. E. BONNEVILLE M'G'R.
PITTSBURGH.

3

also for professional men in Engineering who know more than one branch of Engineering — the Civil Engineer (Civil as distinguished from Military) of this Century should be an all around Engineer — and should have command of so called Civil and also Mechanical and particularly electrical engineering — ~~In~~ Argentine — a Country not sufficiently high in its ideals — requires this — and if requires until 25 to 26 years of age to fit a young man for his life work — and then he can undertake anything.

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PITTSBURGH.

4

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I am sincerely yours
E. L. Corthell


HOTEL HENRY
5 & 7 BOWNSVILLE NOR
PITTSBURGH

Republica Argentina
Ministerio de Obras Públicas
Ingeniero Consultor

Chicago April 7/903

Dear Dr Harper

I ought to tell you that I got your and invitation of one or two members of your Committee on the proposed Engineering College I met the Committee at luncheon today at the University Club house and we had a discussion of the subject.

I was glad to get their views and to give mine and while we were not in full accord on all points there is no reason why we should not be

after further interchange of ideas.

It seems to me you should look for the following qualifications in the Director of the School—

1st that he should be an educated man—

2nd that he should be, or should have been, a practical Engineer with a varied experience and an acquaintance with Engineers in this and Foreign Countries

3d— that he should be a man of Affairs—

When I can find such a man I will be glad to recommend him— I take it for granted that he would have the selection of the Engineering Professors who would form his staff, for he should have as near to "Carte blanche" as possible in organizing the School—

My permanent address is 1 Nassau st New York

Yours sincerely

E. L. Corthell

Auditorium Hotel
Chicago

March 17/903

Dear Dr Harper

We have got this far along on our journey. I am to go to Champaign tomorrow morning for two days to deliver a lecture on argentine -

Friday or Saturday I hope to get down to the Univ - to see it and you - and also next week - I want to see as much of the Univ - as is possible with other engagements - We have to leave here for Mich. Univ - next week Sat - 25th to return from Buffalo (where we are at Detroit - I am to lecture for the

Lecture at the Uni - April 6 -
as arranged -
I am writing a note
to Mr Hatfield about it and
will see him also -
I am with high
regard yours ever
O B Cornell

Technology

1 NASSAU STREET,

New York, April 18, 1903.

Dr. Wm. R. Harper,
Pres. University of Chicago,
Chicago, Ill.

Dear Doctor Harper:-

Referring to our conversation when I was at your house recently, in regard to some one qualified to take charge of the organization of the proposed Engineering school; I have not as yet been able to find such a man.

I made inquiries yesterday in regard to a prominent technical educator and president of one of the best technical schools, that at Troy, the Renessalaer Polytechnic Institute, Mr. Palmer C. Rickets. President Rickets'Engineering Institute is one of the best schools in this country. It is very severe in its requirements both for admission and for the course of study, and its graduates are always thoroughly educated Engineers. Among its Alumni are some of the leading Engineers of this country.

I would advise you to make some further inquiries in reference to him. I am not able to give the compensation which he now receives, but I think it is much less than what I understand you can offer, that is, about $7500. and that might be an inducement for him to make a change. If I find out anything about any other suitable man I will write you.

Yours very truly,

E. L. Corthell

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New York, April 18, 1903.

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Yours very truly,

MAIL ADDRESS:
1 NASSAU STREET,
NEW YORK.

TELEPHONE, 473 CORTLANDT.

E. L. CORTHELL,
CIVIL ENGINEER.

CABLE ADDRESS:
TABANQUE, NEW YORK.

June 11, 1903. 190

Dr. Wm. R. Harper,
Pres. University of Chicago,
Chicago, Ill.

Dear Dr. Harper:-

Some weeks ago, when I had a talk with President Pritchett of the Massachusetts Institute of Technology, he offered to publish my report on Engineering Education for the general benefit. I told him that you were not ready to publish it as a University Paper, and gave him the reasons, but that I thought that you would have no objections to have it published by the Institute, since at one time, you had suggested to me that Dr. Harris, U.S. Commission of Navigation, might publish it, but who had declined on account of its being a private matter. I have had a half dozen clear typewritten copies made, one of which I am sending to Mr. Pritchett; I am also enclosing a one-page supplemantal report which you can attach to the copy of the original report. I had intended to make a supplemental report of some length, but after writing it out, found that I had already covered the ground in the original report. I have, therefore, limited myself simply to a statement confirming, after a lapse of five years, the views expressed in the original report.

Yours very truly,

E. L. Corthell

June 11, 1900.

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Pres. University of Chicago,
Chicago, Ill.

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Yours very truly,

E. L. Corthell

1 Nassau Street,

New York, June 5, 1903

SUPPLEMENTAL.

Since the above was written, five years have elapsed-- a semi-decade of important development-- educationally and otherwise, in this and other Countries.

During this time I have had exceptional opportunities in this country, in Europe and in South America to observe and study, and my opinion is confirmed by this experience, that the neccesity for such a College of Engineering as I have recommended is greater now than five years ago, and that it is the duty and the high privilege of the University of Chicago to establish this School.

In only one particular would I modify my views: I would double my estimate in order that the school may have all the facilities required and be unhampered in its development and usefulness; and while I would provide for the admission of students who cannot obtain a liberal education in the humanities, I would never lose sight of the main purpose of the College, which is, to give a University, or Professional, Education.

E. L. Corthell

1 Nassau Street,

New York, June 5, 1908

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C. E. Smith

MAIL ADDRESS:
1 NASSAU STREET,
NEW YORK.

TELEPHONE, 473 CORTLANDT.

E. L. CORTHELL,
CIVIL ENGINEER.

CABLE ADDRESS:
TABANQUE, NEW YORK.

Bern, July 7 1903

Ack. ©
Answered JUL 21 1903
Francis W. Shepardson,
Secretary to the President.

Dr. William R. Harper

President University of Chicago

Chicago,

Illinois.

Dear Doctor Harper: -

The inclosed print of a letter of Lord Rosebery was in the London Post which I received as my steamer touched at Plymouth. You will see from reading this letter that the people in London are proposing to establish almost exactly the same kind of a school which I have proposed in my report for the University of Chicago. Thinking that that report might be of use to the promoters of this project I have placed it in the hands of Sir Ernest Cassel who is one of the leading projectors of the enterprise and one of my friends I am yours very truly

E. L. Corthell

Dr. William R. Harper

President University of Chicago

Chicago,

Illinois.

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Very truly I am yours very truly

London Post
June 29/7/03

TECHNICAL EDUCATION.

RESEARCH AND TEACHING.

GIFT TO THE LONDON COUNTY COUNCIL.

Lord Monkswell, as chairman of the London County Council, has received the following letter from the Earl of Rosebery:

38, Berkeley-square, June 27.

DEAR LORD MONKSWELL,

I am privileged to make an important proposal to the London County Council as the authority for technical education.

The excellent provision now made for scientific and technological instruction in the polytechnics and other institutions, so admirably fostered and directed by the council, renders more pressing than ever the crowning of the work of technical education by adequate opportunities for the most advanced teaching and for research. In the striking report presented to the council by its Technical Education Board last July, on the application of science to industry, it is clearly shown that several of our industries have suffered and are still suffering, from our failure to organise, not so much technical education of the ordinary type as the more advanced instruction in scientific technology and facilities for original research. The report points out that in other countries special attention has long been paid to the highest technical training of those who will become, if not the captains of industry, the skilled lieutenants and confidential assistants in every branch of commerce or manufacture. Perhaps the most perfect instance of such provision is the great College of Applied Science at Charlottenburg, alongside of the University of Berlin, erected at an outlay exceeding £500,000, and costing £55,000 a year. From its portals there issue every year some one thousand two hundred young men of twenty-two or twenty-three years of age, equipped with the most perfect training that science can give, as experts in chemical technology, electrical engineering, metallurgy, shipbuilding, &c. Of these the ablest are eagerly sought after by the great industrial combinations of the German Empire, which owe their remarkable success in no small degree to the quite exceptional wealth of scientific knowledge and training which is thus placed at their disposal.

It is clear that in spite of all that has been done in various directions, London is still very inadequately provided with educational opportunities of this advanced kind. For lack of such opportunities our London young men often find the highest places filled by the better educated Germans; and scientific researches, even when carried out here, now often benefit our trade rivals.

It is little short of a scandal that our own able and ambitious young men, eager to equip themselves with the most perfect technical training, should be compelled to resort to the universities of Germany or the United States. It is not right that picked students from Canada or Australia, South Africa or India, should be unable to find within the Empire the educational opportunities that they need. The time has come for making London, at any rate so far as advanced work in scientific technology is concerned, the educational centre of the Empire.

I gather from the council's resolution last July, by which it instructed the Technical Education Board to bring up further proposals on the subject, that your colleagues are impressed with the need for action in this matter. The initial difficulty, which has so far stood in the way, is doubtless the heavy capital outlay needed for the spacious site and buildings, and the costly equipment, which a London "Charlottenburg" would involve. I have good reason to hope that this difficulty may now be overcome.

An offer has been made by Messrs. Wernher, Beit, and Co. to place a large sum of money in the hands of trustees to be applied as a contribution towards the cost of building and equipment, and other offers of the same kind have been made by other public-spirited London citizens.

The next question is that of a site. This I have reason to think that the Royal Commissioners

the 1851 Exhibition may be graciously willing, view of the national importance of this proposed object, to place at the disposal of the trustees, on condition that funds sufficient for building and equipment have been subscribed, and that an adequate provision is made for maintenance. The form which the grant from the Royal Commissioners may not improbably assume is about four acres of land adjacent to the present university buildings at South Kensington, in close proximity to the Royal College of Science and the Central Technical College of the City and Guilds of London Institute. On this site it is proposed to erect and equip the new institution. The cost of doing so is estimated at about £300,000. The institution when complete, together with the site, would represent a value of about £500,000.

In estimating at £300,000 the cost of construction, I do not suggest that that sum will provide a completed home for our institution when it shall have reached its full development, but I use the figure for the purpose of this letter, because I believe that it fairly represents the cost of a building adequate for our immediate needs, and capable of extending *pari passu* with the growth and requirements of the institution.

There remains the question of the necessary provision for the maintenance of the educational work of the proposed institution, which cannot be put at less than £20,000, an annual grant which need not, however, begin for a year or so. For this sum, necessary as it is to secure for London the valuable donations which I am privileged to announce, I venture to approach the London County Council.

As with the cost of construction so with that of maintenance I do not doubt that the sum named will need to be largely increased when the scheme has established itself in public estimation, and has received such further pecuniary support as will enable it to extend its teaching to other branches of scientific study. But £20,000 per annum will, I am assured, provide for the entire maintenance of the institution from the first, and will secure it against all risk of failure from want of income in the objects we have so much at heart.

The details of the organisation of the proposed institute have not yet been settled, and they will be considered in consultation with the Senate of the university and other bodies concerned. It is proposed that the institution, while working in close co-operation with the Royal College of Science, the Central Technical College, and other branches of the university, should be organised as a distinct "school" of the university under the management of its own committee, a committee on which I hope the London County Council will consent to appoint representatives.

It would, of course, direct its attention, from the first, not to duplicating or overlapping any provision now existing in London, but to supplementing that provision by taking up subjects as yet undealt with, or only inadequately dealt with. Such subjects would probably include chemical technology, mining and metallurgy, electro-chemistry, electric traction, optical technology, bacteriology, railway and marine engineering, hydraulics, and naval architecture. It is intended to admit only advanced students able to profit by the instruction and facilities for original research which will be provided, but the institution will be made accessible by low fees and scholarships, by means of which I hope many of the ablest of those whom the London County Council is now training in the polytechnics and elsewhere may be enabled to raise themselves to the highest positions in the world of scientific industry.

To enable the arrangements to be completed it is necessary that I should be in a position to assure those concerned of my confidence that the London County Council, acting as the technical education authority for London, will not refuse to the institution its annual support to the extent indicated. The council cannot, of course, bind its successors, but I feel sure that any general resolution to this effect would be accepted as sufficient by those whose munificent proposals I am authorised to communicate to you.

At the request of the first donors I have agreed to act as chairman of a body of trustees to carry out the scheme to completion. Among these trustees will be the Duke of Devonshire, Mr. Arthur Balfour, Sir Francis Mowatt, Mr. Julius Wernher, Mr. R. B. Haldane, and the Vice-Chancellor and the Principal of the University of London, together with, if they will consent to act, representatives of the London County Council, as the technical education authority for London.

Should this scheme be successfully carried through I am not without hope that it may be possible to follow it up by taking further steps towards developing the university in such a fashion as to make it worthy to be the university of the Metropolis of the Empire.—Yours sincerely,

ROSEBERY.

The Lord Monkswell,
Chairman of the London County Council.

TRADE OF THE EMPIRE.

IMPORTS AND EXPORTS.

THE POSITION OF THE FOREIGNER.

In view of discussions respecting the fiscal policy of the country it may be useful to furnish in a concise form, from statistics compiled mainly by the Colonial Office, a statement of the aggregate trade of the Empire. The latest period of twelve months for which a record of this kind can be presented is 1901, and what is given below may be taken as substantially for that year. The survey is made under the following four heads:

(1) The total trade (imports and exports) of British Colonies and possessions with the United Kingdom.

(2) The total trade (imports and exports) of British Colonies and possessions with other British possessions.

(3) The total trade (imports and exports) of British Colonies and possessions with foreign countries.

(4) The total trade (imports and exports) of the United Kingdom itself with foreign countries only.

IMPORTS BY COLONIES AND POSSESSIONS.

The total imports of British Colonies and possessions under heads one, two, and three are as follows:

From (1) the United Kingdom...£113,196,500
From (2) other British Possessions 31,214,000
From (3) Foreign Countries 88,061,000

~~Total .....£232,471,500~~

RATIO FROM THE FOREIGNER 38 PER CENT.

These totals are exclusive of Inter-State Australian trade, which in 1901 was valued at £21,111,000. They also exclude bullion and specie, which during 1901 amounted to £23,013,500, made up as follows. From the United Kingdom, £10,208,500; from other British possessions, £11,137,000; and from foreign countries, £1,668,000. The subjoined tables show the extent to which the various Australian Colonies and other British possessions shared in the totals of the imports indicated under heads one, two, and three:

British Colonies and Possessions.	From the United Kingdom.	From British Possessions.	From Foreign Countries.
Australia:—	£	£	£
New South Wales	10,007,000		5,446,000
Victoria	7,175,000		3,805,000
S. Australia (excluding Northern Territory)..	2,235,000	3,997,000	1,385,000
Northern Territory..	8,000		—
Western Australia.....	2,540,000		959,000
Tasmania	629,000		111,000
Queensland	2,475,000		780,000
Totals (Australia)....	25,069,000	3,997,000	12,436,000
New Zealand	6,878,000	2,457,000	2,018,000
India (by sea).....	39,673,000	5,018,000	14,464,000
Straits Settlements	2,932,000	6,662,000	17,535,000
Ceylon	2,012,000	4,189,000	736,000
Mauritius	585,000	1,072,000	447,000
Seychelles.....	27,000	37,000	13,000
Labuan	—	328,000	—
British New Guinea.....	—	72,000	—
Fiji	10,000	325,000	16,000
Falkland Islands	68,000	—	7,000
Natal	6,523,000	1,479,000	1,554,000
Cape of Good Hope	13,803,000	3,246,000	4,367,000
St. Helena.....	84,000	5,000	—
Lagos	564,000	36,000	125,000
Gold Coast	1,207,000	13,000	376,000
Sierra Leone.....	410,500	10,500	125,000
Gambia	91,000	24,000	70,000
Dominion of Canada.....	8,832,000	761,000	28,821,000
Newfoundland.....	458,000	582,000	473,000
Bermuda	386,000	53,000	305,000
British Honduras	77,000	—	169,000
Bahamas	84,000	7,000	315,000
Turks and Caicos Islands ..	3,000	4,000	24,000
Jamaica.....	833,000	135,000	758,000
St. Lucia	204,000	40,500	130,000
St. Vincent	32,000	27,000	16,000
Barbados	463,000	149,000	310,000
Grenada.....	114,000	53,000	74,000
Trinidad and Tobago	920,000	210,000	1,428,000
Leeward Islands	159,000	66,000	146,000
British Guiana	701,000	152,000	438,000
Cyprus	89,000	4,000	270,000
Grand totals.....	113,196,500	31,214,000	88,061,000

EXPORTS BY COLONIES AND POSSESSIONS.

The total exports of British Colonies and possessions under heads one, two, and three as set forth at the top of this column are as under:

To (1) the United Kingdom.....£92,849,500
To (2) other British Possessions... 36,222,500
To (3) Foreign Countries 97,450,500

Total £226,522,500

RATIO TO THE FOREIGNER 43 PER CENT.

These totals are also exclusive of Inter-State Australian trade, which in 1901 was valued at £21,307,000. They likewise exclude bullion and specie, which during 1901 amounted to £27,425,500, made up as follows: To the United Kingdom, £12,073,500; to other British possessions, £10,798,500; and to foreign countries, £4,553,500. The subjoined tables show the quotas of the various Australian colonies and other British possessions towards the aggregates of exports just stated:

British Colonies and Possessions.	To the United Kingdom.	To British Possessions.	To Foreign Countries.
	£	£	£
Australia:—			
New South Wales	6,914,000	5,481,000	5,576,000
Victoria	5,245,000		2,334,000
S. Australia (excluding Northern Territory)...	2,284,000		940,000
Northern Territory..	19,000		2,000
Western Australia	955,000		268,000
Tasmania	834,000		748,000
Queensland	2,547,000		306,000
Totals (Australia)....	18,798,000	5,481,000	10,174,000
New Zealand	9,295,000	2,902,000	673,000
India (by sea)	20,757,000	18,276,000	44,231,000
Straits Settlements	5,094,000	2,763,000	15,628,000
Ceylon	3,340,000	1,093,000	1,384,000
Mauritius	216,000	1,579,000	83,000
Seychelles	36,000	19,000	40,000
Labuan	—	224,000	—
British New Guinea	—	50,000	—
Fiji	37,000	436,000	76,000
Falkland Islands.....	106,000	—	2,000
Natal	653,000	470,500	289,500
Cape of Good Hope	9,935,000	264,000	521,000
St. Helena	—	—	—
Lagos	236,000	14,000	548,000
Gold Coast.....	229,000	35,000	262,000
Sierra Leone	88,000	22,000	160,000
Gambia	18,000	2,000	174,000
Dominion of Canada	21,651,000	1,655,000	16,676,000
Newfoundland	376,000	327,000	1,007,000
Bermuda	3,000	2,000	87,000
British Honduras	131,000	—	90,000
Bahamas	19,000	—	203,000
Turks and Caicos Islands..	—	12,000	28,000
Jamaica	349,000	51,000	1,462,000
St. Lucia	31,500	4,000	42,000
St. Vincent	28,000	13,000	11,000
Barbados	31,000	284,000	598,000
Grenada.....	227,000	4,000	73,000
Trinidad and Tobago.....	662,000	81,000	1,629,000
Leeward Islands	58,000	58,000	199,000
British Guiana.....	378,000	101,000	861,000
Cyprus	72,000	—	239,000
Grand totals.....	92,849,500	36,222,500	97,450,500

FOREIGN TRADE OF THE UNITED KINGDOM.

There remains to be stated the purely foreign trade (imports and exports) of the United Kingdom, this category forming the last of the four sections into which the trade of the Empire is divided at the beginning of this article. The value of the United Kingdom imports from and exports to foreign countries was in 1901 as follows:

Imports £416,416,492
Exports 175,233,975

The figures do not include bullion and specie, which in 1901 were valued at £30,662,924, the imports being £16,537,655 and the exports £14,125,269. The trade returns for the United Kingdom are available for last year, but as the totals for the other parts of the Empire are obtainable only for 1901 the statistics for Great Britain and Ireland are here furnished for that year.

GENERAL REMARKS.

The totals of the different tables are exclusive of the trade of Hong Kong, Gibraltar, and Malta. In regard to India, Jamaica, Trinidad and Tobago, the Leeward Islands, and British Guiana the returns are for the year ending the 31st of March, 1902, while the figures for British New Guinea, the Dominion of Canada, and Newfoundland are for the twelve months closing on the 30th of June, 1901. The totals for the Bahamas are not for a year but for the fifteen months ending on the 31st of March, 1902. The exports to the United Kingdom from Natal include coal, &c., for his Majesty's ships and transports, while the St. Lucia exports exclude £110,000 for bunker coal. The rates at which various currencies have been converted into pounds sterling are as follows: Ceylon, Mauritius, and Seychelles, 1s. 4d. the rupee; Straits Settlements, 1s. 11d., and Labuan, 4s. 2d. the dollar; and Canada, Newfoundland, and British Honduras, 4s. 1½d. the dollar.

FOR RAGGED SCHOOL CHILDREN.

Mr. F. Warman, 161, Highbury New Park, hon. superintendent of the Rosemary Mission and Ragged Schools, makes an urgent appeal for funds in order to provide a day in the country for the poor children connected with these useful institutions, which carry on their operations in a poverty-stricken district where most of the families earn [illegible]