

Wr

TELEPHONE N° 107 REGENT.
TELEGRAMS,
"HADFIELDER, LONDON"

L.2889

22, CARLTON HOUSE TERRACE,
LONDON, S.W.1.

23rd May 1918

Dear Mr Metcalfe,

I am obliged for your letter of the 25th ultimo and for the copies of the paper on "Thermo-Electric Standard Cell", also for the trouble you have so kindly taken with regard to the General Electric Company and their book "Medical Service and Hospital", of which they have just sent me a copy.

In return I beg your acceptance of an Address recently given by the writer before one of our Societies here, with parts of which you may be interested.

As regards your second paragraph, I am a Member of the American Electro-Chemical Society so receive their publications. Would it, however, be possible for you to ask Mr John F. Kelly of the Association of Iron and Steel Electrical Engineers, and Mr T.C. Martin of the National Electric Light Association, whether they have any information available for myself as one of your Members with regard to the following matters:-

- (a) Cost of Electric Energy from the latest and best plants in America.
- (b) Electric Furnace Practice, Cost of Melting, Energy used, and so on.

For any information you can give I shall be greatly obliged.

Yours faithfully,

H. A. H. H. H.

G.R. Metcalfe Esq.,
American Institute of Electrical Engineers,
33 West 39th Street,
NEW YORK.

July 22, 1918

Mr. T. C. Martin, Secretary

National Electric Light Association

B u i l d i n g

Dear Sir:-

One of our foreign members, Sir Robert Hadfield, of 22 Carleton House Terrace, London, S.W.1, England, has requested me to ask if you have any information which would be available for him in regard to cost of electric energy from the latest and best plants of America. Any information along this line to which you can refer him, would be greatly appreciated by

Yours very truly

Editor

GRM/FBH

July 22, 1918

Sir Robert Hadfield
22 Carleton House Terrace
London, S.W.1, England

Dear Sir Robert Hadfield:-

I owe you an apology for not sooner answering your letter of May 23, which was received just as I was leaving town for our Annual Convention, and which has been neglected due to the accumulation of correspondence during my absence.

I have read your presidential address before the Society of British Gas Industries which you were kind enough to send me; and have been especially interested in the kind tribute which you paid to the United States in connection with its participation in the war.

In compliance with your request, I have written Mr. John F. Kelly, of the Association of Iron and Steel Electrical Engineers, and Mr. T. C. Martin, of the National Electric Light Association, requesting them to send you any information which may be available in regard to the cost of electric energy and electric furnace practice.

Very truly yours

Editor

GRM/FBH

July 22, 1918

Mr. John F. Kelly, Secretary
Association of Iron & Steel Electrical Engineers
National Tube Company
McKeesport, Pa.

Dear Sir:-

One of our foreign members, Sir Robert
Hadfield, of 22 Carleton House Terrace, London, S.W.1,
England, has requested me to ask if you have any infor-
mation which would be available for him in regard to
electric furnace practice, including the cost of melt-
ing, energy used, etc. Any information along these
lines to which you can refer him, would be greatly
appreciated by

Yours very truly

Editor

GRM/FBH

NATIONAL ELECTRIC LIGHT ASSOCIATION

WALTER F WELLS PRESIDENT
BROOKLYN N Y
R H BALLARD VICE PRESIDENT
LOS ANGELES CAL
MARTIN J INSULL VICE PRESIDENT
CHICAGO ILL
D H McDUGALL VICE PRESIDENT
TORONTO CAN
M R BUMP VICE PRESIDENT
NEW YORK CITY N Y
FRANK W SMITH TREASURER
EVERETT W BURDETT GENERAL COUNSEL
T COMMERFORD MARTIN SECRETARY
H BILLINGS ASSISTANT SECRETARY AND TREASURER
S A SEWALL ASSISTANT TO SECRETARY
WM C ANDERSON STATISTICAL SECRETARY



29 WEST THIRTY-NINTH STREET
NEW YORK

EXECUTIVE COMMITTEE

WALTER F WELLS
H C ABELL
W H ATKINS
R H BALLARD
H G BRADLEE
M R BUMP
J E DAVIDSON
P G GOSSLER
MARTIN J INSULL
WALTER H JOHNSON
JOHN W LIEB
E W LLOYD
D H McDUGALL
WALTER NEUMULLER
FRANK W SMITH
PAUL SPENCER
PAUL R JONES CHAIRMAN ACCOUNTING SECTION
E S MANSFIELD CHAIRMAN ELECTRIC VEHICLE SECTION
R J MCLELLAND CHAIRMAN TECHNICAL AND HYDRO-ELECTRIC SECTION
C J RUSSELL CHAIRMAN COMMERCIAL SECTION
THOMAS CHANDLER PRESIDENT MICHIGAN SECTION
J E DAVIDSON PRESIDENT NEBRASKA SECTION
JOHN M DRABELE PRESIDENT IOWA SECTION
C D FLANIGEN PRESIDENT SOUTHEASTERN SECTION
A MONRO GRIER PRESIDENT CANADIAN ELECTRICAL ASSOCIATION
SAMUEL KAHN PRESIDENT PACIFIC COAST SECTION
ARTHUR B LISLE PRESIDENT NEW ENGLAND SECTION
H N MULLER PRESIDENT PENNSYLVANIA ELECTRIC ASSOCIATION
LEON H SCHERCK PRESIDENT EASTERN NEW YORK SECTION
JOHN ST JOHN PRESIDENT WISCONSIN ELECTRICAL ASSOCIATION
GUY W TALBOT PRESIDENT NORTHWEST ELECTRIC LIGHT AND POWER ASSOCIATION
H F WHEELER PRESIDENT MISSISSIPPI ELECTRICAL ASSOCIATION

New York, July 24, 1918.

George R Metcalf Esq
American Institute of Electrical Engineers
29 West 39th Street
New York City

My dear Metcalf:-

I have your letter of July 22nd with regard to data requested by Sir Robert Hadfield as to the cost of electrical energy. I shall be glad to furnish such figures but presume that Sir Robert refers more particularly to cost of production from coal and not from water. As you know, there is some difference in these costs but as England has very little hydro-electric development, he would probably not be very much interested in water power figures. Another point is whether I should send these to him directly or not. Of course, it is always understood in such cases that the mere cost of production at the switchboard is not the real final cost, including transmission, overhead charges, etc.

Yours truly,

Secretary

To	Date Noted
F. L. H.	
C. A. G.	
J. G. Z.	
C. R. M.	
F. B. H.	
H. A. M.	
J. J. M.	
I. M. G.	
J. M. N.	
H. B. L.	
F. A. H.	

July 26, 1918

Mr. T. C. Martin, Secretary

National Electric Light Association

B u i l d i n g

Dear Mr. Martin:-

Referring to yours of July 24, in regard to information requested by Sir Robert Hadfield, I am pretty sure that what he wants is the cost of steam power stations and not water power, although he did not say so specifically. I think if you can send him the cost at the switchboard so that he understands that it is the cost of production at the switchboard, he can make whatever allowances may be necessary for transmission, overhead, etc., and which is probably quite different in England from what it would be here.

I have written Sir Robert that I have requested you to send such information as you could; so he will undoubtedly expect to hear from you direct.

Very truly yours

Editor

GRM/FBH

NATIONAL ELECTRIC LIGHT ASSOCIATION

692

WALTER F WELLS PRESIDENT
BROOKLYN N Y
R H BALLARD VICE PRESIDENT
LOS ANGELES CAL
MARTIN J INSULL VICE PRESIDENT
CHICAGO ILL
D H McDUGALL VICE PRESIDENT
TORONTO CAN
M R BUMP VICE PRESIDENT
NEW YORK CITY N Y
FRANK W SMITH TREASURER
EVERETT W BURDETT GENERAL COUNSEL
T COMMERFORD MARTIN SECRETARY
H BILLINGS ASSISTANT SECRETARY AND TREASURER
S A SEWALL ASSISTANT TO SECRETARY
WM C ANDERSON STATISTICAL SECRETARY



29 WEST THIRTY-NINTH STREET
NEW YORK



EXECUTIVE COMMITTEE

WALTER F WELLS

H C ABELL
W H ATKINS
R H BALLARD
H G BRADLEE
M R BUMP
J E DAVIDSON
P G GOSSLER
MARTIN J INSULL

WALTER H JOHNSON
JOHN W LIEB
E W LLOYD
D H McDUGALL
WALTER NEUMULLER
FRANK W SMITH
PAUL SPENCER

PAUL R JONES CHAIRMAN ACCOUNTING SECTION
E S MANSFIELD CHAIRMAN ELECTRIC VEHICLE SECTION
R J MCLELLAND CHAIRMAN TECHNICAL AND HYDRO-ELECTRIC SECTION
C J RUSSELL CHAIRMAN COMMERCIAL SECTION
THOMAS CHANDLER PRESIDENT MICHIGAN SECTION
J E DAVIDSON PRESIDENT NEBRASKA SECTION
JOHN M DRABELLE PRESIDENT IOWA SECTION
C D FLANIGEN PRESIDENT SOUTHEASTERN SECTION
A MONRO GRIER PRESIDENT CANADIAN ELECTRICAL ASSOCIATION
SAMUEL KAHN PRESIDENT PACIFIC COAST SECTION
ARTHUR B LISLE PRESIDENT NEW ENGLAND SECTION
H N MULLER PRESIDENT PENNSYLVANIA ELECTRIC ASSOCIATION
LEON H SCHERCK PRESIDENT EASTERN NEW YORK SECTION
JOHN ST JOHN PRESIDENT WISCONSIN ELECTRICAL ASSOCIATION
GUY W TALBOT PRESIDENT NORTHWEST ELECTRIC LIGHT AND POWER ASSOCIATION
H F WHEELER PRESIDENT MISSISSIPPI ELECTRICAL ASSOCIATION

New York, July 30, 1918.

George R Metcalfe, Esq.,
American Institute of Electrical Engineers
33 West 39th Street
New York City

Dear Mr Metcalfe:

I have your esteemed favor of July 26th as to steam power cost for Sir Robert Hadfield and will see what we can do. In the meantime I shall be glad if you can let us have Sir Robert's best address at which I can communicate with him.

Yours truly,

T. A. Mather
Secretary

To	Noted
F. L. H.	
C. A. C.	
J. C. Z.	
C. R. M.	
F. B. H.	
H. A. M.	
A. A. M.	
A. E. C.	
C. E. N.	
H. R. L.	
F. R. S.	

July 31st, 1918.

Mr. T. C. Martin, Secretary,
National Electric Light Association,
29 West 39th St., New York.

Dear Mr. Martin:

Referring to our correspondence in regard to
Sir Robert Hadfield, the best address to use is 22 Carlton
House Terrace, London, S. W. I., England.

Very truly yours,

E d i t o r.

NATIONAL ELECTRIC LIGHT ASSOCIATION

WALTER F WELLS PRESIDENT
BROOKLYN N Y
R H BALLARD VICE PRESIDENT
LOS ANGELES CAL
MARTIN J INSULL VICE PRESIDENT
CHICAGO ILL
D H McDOUGALL VICE PRESIDENT
TORONTO CAN
M R BUMP VICE PRESIDENT
NEW YORK CITY N Y
FRANK W SMITH TREASURER
EVERETT W BURDETT GENERAL COUNSEL
T COMMERFORD MARTIN SECRETARY
H BILLINGS ASSISTANT SECRETARY AND TREASURER
S A SEWALL ASSISTANT TO SECRETARY
WM C ANDERSON STATISTICAL SECRETARY



29 WEST THIRTY-NINTH STREET
NEW YORK



EXECUTIVE COMMITTEE

WALTER F WELLS
H C ABELL
W H ATKINS
R H BALLARD
H G BRADLER
M R BUMP
J E DAVIDSON
P G GOSSLER
MARTIN J INSULL
WALTER H JOHNSON
JOHN W LIEB
E W LLOYD
D H McDOUGALL
WALTER NEUMULLER
FRANK W SMITH
PAUL SPENCER
PAUL R JONES CHAIRMAN ACCOUNTING SECTION
E S MANSFIELD CHAIRMAN ELECTRIC VEHICLE SECTION
R J MCLELLAND CHAIRMAN TECHNICAL AND HYDRO-ELECTRIC SECTION
C J RUSSELL CHAIRMAN COMMERCIAL SECTION
THOMAS CHANDLER PRESIDENT MICHIGAN SECTION
J E DAVIDSON PRESIDENT NEBRASKA SECTION
JOHN M DRABELLE PRESIDENT IOWA SECTION
C D FLANIGEN PRESIDENT SOUTHEASTERN SECTION
A MONRO GRIER PRESIDENT CANADIAN ELECTRICAL ASSOCIATION
SAMUEL KAHN PRESIDENT PACIFIC COAST SECTION
ARTHUR B LISLE PRESIDENT NEW ENGLAND SECTION
H N MULLER PRESIDENT PENNSYLVANIA ELECTRIC ASSOCIATION
LEON H SCHERCK PRESIDENT EASTERN NEW YORK SECTION
JOHN ST JOHN PRESIDENT WISCONSIN ELECTRICAL ASSOCIATION
GUY W TALBOT PRESIDENT NORTHWEST ELECTRIC LIGHT AND POWER ASSOCIATION
H F WHEELER PRESIDENT MISSISSIPPI ELECTRICAL ASSOCIATION

New York, August 1, 1918.

George R Metcalfe, Esq
American Institute of Electrical Engineers
33 W 39th Street
New York City

Dear Mr Metcalfe:

I have your esteemed favor of July 31st with Sir Robert Hadfield's address, to which we will forward him various data which we have compiled as to cost of power.

Yours truly,

T. Martin
Secretary

To	Date Noted
F. L. H.	
C. A. C.	
J. C. Z.	
E. R. M.	
F. D. H.	
M. A. M.	
J. J. M.	
L. M. C.	
C. M. N.	
K. B. L.	
F. A. N.	