

FEB 27 1898

The following are the requirements for membership, as stated in the Rules :

“ Members shall be Electrical Experts, Electricians, or Electrical Engineers possessing such knowledge of the principles of Electrical science and such familiarity with the practical applications of electricity in its several branches, as those branches imply.”

In order that the Board of Examiners and the Council shall be properly informed as to the professional standing of Henry G. Stott will you please state whether from your personal knowledge you believe him to be fully qualified to comply with the requirements of the Rules in any of the following particulars.

As an Electrical Expert. To impart intelligent and trustworthy information or testimony on subjects involving the principles of electricity and magnetism, and to formulate and give opinions concerning the merits and scope of electrical inventions, devices and appliances.

Yes.

As an Electrician. To make reliable tests and measurements of electrical sources, circuits, conductors and apparatus.

Yes.

As an Electrical Engineer. To design and supervise the installation and operation of electrical *plants*, and to properly plan, construct and intelligently operate electrical apparatus, conductors and systems of distribution.

I am not sure, but think yes.

Are you of the opinion that his standing in the profession is such, that his transfer to full membership will prove advantageous to the Institute ?

Stott and Co.

Yes.

Horatio A. Foster

BUFFALO GENERAL

MAR 11 1896

G. H. DUNSTON, BUFFALO, N.Y.



*Daniel O'Day, President.
Geo. Urban Jr. 1st Vice Pres.
John J. Moore, 2nd Vice Pres.
W.W. Sloan, Treasurer.
D.T. Nash, Secretary.*

Company,

40 Court St.
C.R. HUNTLEY, GENL MGR

Buffalo, Mch. 10, 1896.

Ralph W. Pope, Secy.,
New York.

Dear Sir:

I am in receipt of yours of the 20th ult. in reference to my application for Full Membership in the American Institute of Electrical Engineers, and in reply would say that my career has been as follows:

Three years at Glasgow & West of Scotland Technical College, during which time I took complete course in Mathematics; Mechanics Applied and Theoretical; Chemistry, Theoretical and Analytical; Steam; Machine Design; and complete course in Electrical Engineering. During last year I acted as Assistant to Professor Jamieson in the Electrical classes, and assisted in many tests of plants.

My first practical work was with a small central station in Glasgow, where I was for six months. During that time I had the actual experience of running engines and boilers, and latterly the dynamo and arc lamp repairing and charge of about 150 horse power in storage batteries.

Amended Report

BUFFALO **GENERAL**



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R. W. P. #2.

My next experience was in submarine cable work with the Anglo-American Telegraph Co., with whom I remained as Assistant Electrician for four and a half years. My duties were all those which fall to the Telegraph Engineer, and included the ordinary copper resistance, insulation and inductive capacity tests each day on all cable on board ship; the location of faults in cables, first, where both ends are accessible, and second, where only one end is accessible; the former including Varley's and Latimer's with various modifications. The latter case being one in which Blavier's method with various modifications, and the use of Thomson & Varley's slides, in cases of total discontinuity by Thomson's and Gotts' capacity tests, and by the use of experience which probably counts for more in fault testing than any other quantity.

I had a very instructive experience in duplexing the Direct United States Company's cable of over 2,750 knots, - the longest cable ever successfully duplexed, and which called for two resultant faults in the artificial cable to make time constants equal. During the absence of the Chief Electrician I took his place and had full charge of the electrical part of the repairs on

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R. W. P. #3.

several occasions. The number of deep sea repairs in water over 9,000 feet deep successfully accomplished was eight, and over one hundred and fifty repairs in water 600 feet deep or over.

My other duties were to look after the lighting plant on board ship, and as an amusement I used to take astronomical observations to determine latitude and longitude.

My experience with the Brush Electrical Engineering Co., of London, included the clerical duties of the office, storekeeper's books, and daily testing of lines and alternators, and finally during my last engagement with them in 1891, putting down underground concentric cables and erecting lamps in the City of London (Eng.)

I was in Madrid, Spain, for seven months on a contract for Messrs. Hammond & Co., putting up a large alternating current plant consisting of six 250 horse power units. During part of the time I had charge of the installation department and had from 40 to 80 men working under my orders, and in the time I had charge wired for about 3,000 lights some of the places being theatres, clubs, private mansions, and finishing the wiring of the Senado or

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R. W. P. #4

Senate House. Part of the time I was engaged on underground cable work, and part of the time in the station taking charge during the run. We ran all alternators in multiple and no change was allowed without first synchronizing. I also had the care of installation of transformers in houses and connections to mains for part of the time.

My work in Buffalo for the past four and one-half years has been putting down a complete system of underground cables, alternating current and arc, which have been highly successful, being put in on the block loop system; the maintenance of and connections to above system being in my charge. I have charge of the meter department and carry out all tests and repairs on over 500 meters, Thomson Houston and Westinghouse. I also have charge of transformer repair department and testing them for iron loss, etc. Arc lamps also come under my department to the number of over 2,500, all repairs on T. H., Brush, Wood, Western Electric and Brush Adams being done in our lamp room, besides building new lamps to meet increase of business.

After a fire which cleaned out the station I had charge of the erection of all the generators, arc, incandescent and power,

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R. W. P. #5.

and alternators to the extent of 1,700 horse power, putting down foundations, wiring station, etc.

I also have charge of repair department in which all armatures and fields are repaired and re-wound, commutators built and machine work done.

Trusting that this resume of my work will be sufficient,

I am,

Yours sincerely,

Henry G. Stott

for the of Man 10th rec'd
embodying ~~an~~ amended
record as req'd. It will be

presented to J. B. of E. at
its next mtg. I will be
to entirely satisfied
Yours sincerely,
J. P. Smith