

AUG 6 1898

No. 654

Form 34.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.

APPLICATION FOR TRANSFER FROM ASSOCIATE
TO FULL MEMBERSHIP.

Refer by permission to
three or more Mem-
bers of the Institute
who are familiar with
work of applicant.

Elected an Associate Member

Dec 6 1887

Original Application endorsed by

A. E. Kennedy.

Elihu Thomson.

Wm. P. Stewart

Wrote
AUG 9 1898

Special Rule, recommended by the Board of Examiners, and approved by Council March 25th, 1895, requires that every applicant for transfer must have reached the age of 27 years before his case will be acted upon by the Board.

Statements of fact responsive to the following inquiries are required for the information of the Board of Examiners, and the Council, who will determine the proper classification of a duly elected Associate applying for transfer to the class of Members.

These statements may be required to be verified by the oath of the applicant, and should therefore be made with due care.

1. What is your full name; date, and place of birth?
2. What education, general and technical, have you had; where and how acquired?
3. What is and has been your employment; how long have you been employed in each position referred to?
4. State any facts you may deem likely to aid in determining the question here under inquiry.
5. Refer us to any Member of this society having personal knowledge of your professional qualifications, if such there be.

William Leach - November 22nd 1858
Brooklyn, L.I.

Was Educated at private school - at Williston
Sumner East Hampton Mass. entered Yale
Academic Course class of 1881. Left in
Freshman year and studied Electrical Engineering
in N.Y. was assistant to Charles D. Clarke
in the Laboratory afterwards President of American
Assoc. in N.E. & Edward Weston in 1882.

Manufacture

undertook Experimental work in my own office
& devised several inventions connected with
work, until 1884, when I joined in partnership
with the Geo. H. H. Co. of Pittsburg, Pa.

I invented a water-electric dynamo and machine
at that time, in 1885, patented temporarily by
Dr. Baughman & then designed what they
first called the Current Plate used in this
County & operated such plants in getting the
name of Dr. Baughman. At this time I devised
many other things.

1. The direct current dynamo.
2. The Radial pole Alternator.
3. The Induction Alternator.
4. The Auto-Converter.
5. A System of distribution by Alternating Currents
now generally used in this county.
6. The System of "Step up & Step down"
Alternating Current Supply, now used

at Magna Falls. & many other places.
I also devised a process of reducing Aluminium
from its oxide - a method of Illuminating
Luminous glass vessels by high potential induction
and many other devices.

I was Consulting Engineer to the Westinghouse Electric
Co. from its organization until July 1890.
When I resigned. In 1890 I organized the
Fairly Electric Mfg. Co. at Pittsburg, Mass
and have been Consulting Engineer for this Co.
for several years. At present I am Engineer
to the Fairly Instrument Co. and devote much
of my time to scientific studies.

William Fairly