

OCT 12 1903

Transfer No. 889.....

Form 28.



# American Institute of Electrical Engineers,

WHITE BUILDING, 95 LIBERTY STREET.

RALPH W. POPE,  
SECRETARY.

TELEPHONE 2199 CORTLANDT,  
CABLE ADDRESS, CYANDRIC.

Professor Morgan Brooks,  
University of Illinois,  
Urbana, Illinois.

NEW YORK, October 2nd, 1903.

Dear Sir:

An application for transfer to membership in the Institute has been filed by.....

Mr. John Joseph Carty,..... of New York City,  
who has referred to you as one who is familiar with his work.

For the information of the Board of Examiners and the Board of Directors will you kindly reply to the following inquiries:

Very truly yours,

Secretary.

1 For how long a period have you personally known the applicant?

Twenty years.

Kindly state instances within your personal knowledge of Electrical Engineering work; Or, of important original work of recognized value to electrical science, performed by the applicant, and your opinion of same

The experiments proving that telephonic induction or cross talk is largely static, a discovery leading directly to the bridged-bell system of telephonic connection, and to revised methods of transposition, I regard as Mr. Carty's most important contribution to original knowledge. The vigor with which Carty's patents have been fought in the courts show their value. Mr. Carty is recognised as a telephone engineer of international reputation, and I feel it an honor to be asked by him to second his promotion to full membership. It has been a standing joke in the Institute that he has not sought transfer before.

Kindly give your opinion of the character, reputation and professional conduct of the applicant.

Mr. Carty is a scholar and a gentleman, even if his record does not include a college degree. To question his right to promotion would be merely to show ignorance of Mr. Carty, and of his work. (Signed) Morgan Brooks

In order to avoid unnecessary delay in considering this case, please return this form before

October 15

Good opinion J. J. Carty -

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RALPH W. POPE,

SECRETARY.

TELEPHONE 2199 CORTLANDT.

CABLE ADDRESS, CYANDRIC.

Mr. Thomas D. Lockwood,  
119 Milk Street, Boston, NEW YORK, October 2nd, 1903.  
Mass.

Dear Sir:

An application for transfer to membership in the Institute has been filed by.....

Mr. John Joseph Carty, of New York City.

who has referred to you as one who is familiar with his work.

For the information of the Board of Examiners and the Board of Directors will you kindly reply to the following inquiries:

Very truly yours,

Ralph W. Pope.

Secretary.

1. For how long a period have you personally known the applicant?

Twenty Two years. ———

Kindly state instances within your personal knowledge of Electrical Engineering work; Or, of important original work of recognized value to electrical science, performed by the applicant, and your opinion of same

1 Revolutionized party line work in telephone system, by devising the bridge method and apparatus for way station signaling. For this received Franklin Institute Medal.

2 Has for many years been Chief Engineer of New York Telephone Co & its predecessor; and during that time has transformed the system from single line to metallic circuit system; has designed & installed modern switchboard apparatus throughout the Company territory and at same time has superintended the engineering of regular increase from about 15,000 to perhaps 40,000 subscribers lines.

Kindly give your opinion of the character, reputation and professional conduct of the applicant.

3. Character. First Class. Reputation. Highest. Professional Conduct unexceptionable. — But my opinion Mr Carty is the foremost practical telephone engineer of the world. (Signed) Thomas D Lockwood.

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RALPH W. POPE,  
SECRETARY.

TELEPHONE 2199 CORTLANDT.  
CABLE ADDRESS, CYANDRIC.

Mr. W. J. Jenks,  
Secy. Board Pat. Control,  
120 Broadway, N.Y. City.

NEW YORK, October 2nd, 1903.

Dear Sir:

An application for transfer to membership in the Institute has been filed by.....

Mr. John Joseph Carty, of New York City,  
who has referred to you as one who is familiar with his work.

For the information of the Board of Examiners and the Board of Directors will you kindly reply to the following inquiries:

Very truly yours,

Secretary.

For how long a period have you personally known the applicant?

*For about 25 years; since the early commercial development of the telephone*

Kindly state instances within your personal knowledge of Electrical Engineering work; Or, of important original work of recognized value to electrical science, performed by the applicant, and your opinion of same.

Mr. Carty is one of the pioneers in telephone exchange operation and construction; also in that difficult field, the determination of the causes and remedies of line disturbances from atmospheric conditions and interference of contiguous wires. In all these departments of this art his work has been effective and sometimes brilliant. A revolution in methods of party line arrangement resulted from his successful work in operating call bells and telephones in multiple-arc circuits instead of in series. I have also had personal knowledge of numerous improvements in detail of arrangement of multiple-switchboards and other office devices, both while he was Chief of the Operating Room of the Telephone Despatch Co. and the corporation which followed it in Boston, and since he became an engineer of the New York Telephone Co. and its predecessor. I was intimately associated with him for about two years after his coming to New York, and knew of the work he was doing from day to day. His patents and published papers speak for themselves and demonstrate his creditable and highly important work.

Kindly give your opinion of the character, reputation and professional conduct of the applicant.

He is unassuming in all his professional conduct but bears a high reputation and is deserving of any advancement which the Institute has in its gift.

*Oct. 6, 1903. (Signed)*

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*Good opinion J. J. Carty.*

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RALPH W. POPE,

SECRETARY.

TELEPHONE 2199 CORTLANDT.

CABLE ADDRESS, CYANDRIC.

Mr. George A. Hamilton,  
463 West Street,  
New York City.

NEW YORK, October 2nd, 1903.

Dear Sir:

An application for transfer to membership in the Institute has been filed by.....

Mr. John Joseph Carty, of New York City,  
who has referred to you as one who is familiar with his work.

For the information of the Board of Examiners and the Board of Directors will you kindly reply to the following inquiries:

Very truly yours,

Ralph W. Pope

Secretary.

For how long a period have you personally known the applicant?

For at least 15 years.

Kindly state instances within your personal knowledge of Electrical Engineering work; Or, of important original work of recognized value to electrical science, performed by the applicant, and your opinion of same

My personal knowledge of Mr. Carty's Elect. Engineering work began while he was in charge of the Cable & Distelboard Depts. of the Western District. As head of the Cable Dept he part in numerous underground telephone systems in New York, Phila. & elsewhere, and as head of the Distelboard Dept, he installed the large central office plants of various cities, notably New York, Phila. and Providence.

Some of the improvements introduced by him are today standards in telephone installations, his party line arrangement is one. An instance of his original work will be found found in our own transactions. I think highly of it.

Kindly give your opinion of the character, reputation and professional conduct of the applicant.

The very best in every respect.

(Signed) George A. Hamilton

In order to avoid unnecessary delay in considering this case, please return this form before

October 15th.

Good opinion J. J. Carty

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RALPH W. POPE,  
SECRETARY.

TELEPHONE 2199 CORTLANDT.

CABLE ADDRESS, CYANDRIC.

Dr. Louis Duncan,  
Massachusetts Institute of  
Technology, Boston, Mass.

NEW YORK, October 2nd, 1903.

Dear Sir:

An application for transfer to membership in the Institute has been filed by.....

Mr. John Joseph Carty, of New York City,  
who has referred to you as one who is familiar with his work.

For the information of the Board of Examiners and the Board of Directors will you kindly reply to the following inquiries:

Very truly yours,

Secretary.

1. For how long a period have you personally known the applicant?

Ten or twelve years

Kindly state instances within your personal knowledge of Electrical Engineering work; Or, of important original work of recognized value to electrical science, performed by the applicant, and your opinion of same

Mr. Carty is the foremost telephone engineer in the world.

Kindly give your opinion of the character, reputation and professional conduct of the applicant.

all excellent.

(Signed)

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Good opinion of J. J. Carty

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RALPH W. POPE,  
SECRETARY.

TELEPHONE 2199 CORTLANDT.  
CABLE ADDRESS, CYANDRIC.

Mr. William B. Vansize,  
Solicitor of Patents,  
253 Broadway, N.Y. City.

NEW YORK, October 2nd, 1903.

Dear Sir:

An application for transfer to membership in the Institute has been filed by.....

Mr. John Joseph Carty,..... of New York City,  
who has referred to you as one who is familiar with his work.

For the information of the Board of Examiners and the Board of Directors will you kindly reply to the following inquiries:

Very truly yours,

Secretary.

1. For how long a period have you personally known the applicant?

*Twenty years*

Kindly state instances within your personal knowledge of Electrical Engineering work; Or, of important original work of recognized value to electrical science, performed by the applicant, and your opinion of same

*Constructing, erecting and operating telephone central stations in Boston New York and several large cities. Inventing novel and useful multiplex circuits and circuits for telephone purposes. Preparing and reading engineering and scientific papers before learned societies including this Institute.*

Kindly give your opinion of the character, reputation and professional conduct of the applicant.

*Character professional and personal the highest class; reputation at the head of the class of telephone engineers professional conduct unacceptably correct*  
(Signed) *W. B. Vansize*

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October 15.

*Good opinion J. J. Carty*