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THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 West 39th Street, New York

PERSONAL CLASSIFICATION SHEET

A. I. E. E.  
NOV 14 1917  
NEW YORK

Read pages 2, 3 and 4 before filling out this blank

*Please return this sheet with your data, even if you have filled out similar blanks for other organizations*

Name in full Faccioli, Giuseppe Date Nov. 13th, 1917.  
(Surname) (First name) (Second name)

Mail address 49 Taconic  
(Number) (Street)  
Pittsfield, Massachusetts  
(City) (State)

Telegraph address Pittsfield Telephone No. 683-R Married? No Dependents? Mother  
(If widower answer no.)

Occupation or position Electrical Engineer

Name of employer General Electric Company

Location Pittsfield, Massachusetts

Kind of business Electrical

Birth: Year 1877 Country Italy When naturalized? 1914

Citizen of what country? United States of America

Physical condition Unable to walk unassisted, but otherwise very well.

Education { Common School Yes Polytechnic of Mech. & Elec.  
 High School Yes College Milano, Italy Course Engr. Year graduated 1899  
(Name of College) Degree E.E.

Member of what engineering and technical societies? A.I.E.E., N.E.L.A. and Foreign Societies

What foreign languages do you speak? Italian and French Fluently? Yes Read Yes

In what countries have you resided and what years? Italy up to 1902, then U.S.A.

In what countries traveled extensively? United States, Italy, France and Germany

What military or naval training? None

Are you in active service or reserve? No Rank? None

Member of what war committees? None

Please review carefully pages 2, 3 and 4, and enter in the following spaces brief descriptions and symbols of the leading specialties in which you have had considerable experience. For example, the symbols for an inspector of underground electrical transmission systems would be "A7, B12, Fa 1b."

Specialties in which you have had greatest experience <small>(This table is for indexing purposes)</small>	Symbols of Specialties
<u>Novel application of the magnetic and of the electric field. Design of alternating current apparatus.</u>	<u>F-1, 2, 3 &amp; 7.</u>
<u>Sheathed Wire for electric heating.</u>	<u>F-9</u>
<u>High Frequency Absorbers.</u>	<u>Fa-3</u>
<u>High Frequency Phenomena - Switching.</u>	<u>Fa-6</u>
Other Specialties	

# INDUSTRIAL AND PROFESSIONAL EXPERIENCE

Check (✓) each division in which you have had sufficient experience to be of service. Use blank spaces as needed.

## A BRANCHES OF ENGINEERING.

- |                           |                          |                           |                                    |
|---------------------------|--------------------------|---------------------------|------------------------------------|
| 1 Aeronautics             | 10 Hydraulic             | 19 Military               | 28 Railroad                        |
| 2 Automotive              | 11 Illuminating          | 20 Mining                 | 29 Safety, Fire Prevention         |
| 3 Architecture            | 12 Marine                | 21 Municipal              | 30 Telegraph, Telephone (see E1-6) |
| 4 Ballistics              | 13 Mathematics           | 22 Naval Architecture     |                                    |
| 5 Chemical                | 14 Mechanical            | 23 Navigation             |                                    |
| 6 Civil                   | 15 Metallurgy            | 24 Patent Law             | 31 Welfare Work                    |
| ✓7 Electrical             | 16 Metallography         | 25 Power                  |                                    |
| 8 Gas                     | 17 Machine Shop Practice | 26 Public Utility Service | 32                                 |
| 9 Heating and Ventilating | 18 Mill (Textile, etc.)  | 27 Physics                |                                    |

## B POSITIONS HELD IN "A".

Check the most important positions you have held, and follow by number of the branch checked under "A."

For example, a consulting heating and ventilating engineer should mark the list below as follows:

"✓2 Consulting Engineer A9."

- |  |                           |                           |                     |
|--|---------------------------|---------------------------|---------------------|
| 1 Appraiser                              | 8 Erecting Engineer       | 17 Operating Engineer     | 28 Teacher          |
| 2 Consulting Engineer                    | 9 Estimator               | 18 Organizing Engineer    | 29 Testing Engineer |
| 3 Constructing Engineer                  | ✓10 Executive, general A7 | 19 Production Engineer    | 30 Works Manager    |
| 4 Contractor                             | 10a Foreman               | 20 Publicity Engineer     | 31 Writer           |
| 4a Department Manager                    | 11 Industrial Engineer    | 21 Purchasing Agent       |                     |
| ✓5 Designer of Apparatus or Machinery A7 | 12 Inspector              | 22 Rate Setter            |                     |
| 5a Designer of Plant                     | 13 Laboratory Chief       | ✓23 Research Engineer A7  | 32                  |
| 5b Economist                             | 13a Laboratory Assistant  | 24 Sales Engineer         |                     |
| 6 Draftsman                              | 14 Manufacturer           | 25 Sales Manager          |                     |
| 7 Editor                                 | 15 Master Mechanic        | 26 Specification Engineer |                     |
|  | 16 Office Executive       | 27 Superintendent         | 33                  |

## RECORD OF EXPERIENCE.

Please give below an account of your engineering and technical experience, bringing out in particular any line in which you are especially proficient.

Give approximate dates of your experience in each case—this is most important.

**From 1904 to 1908 - as Assistant to William Stanley -**

investigated by theoretical study and experiments novel alternating current generators, motors, meters, etc.

Since 1908 - at the Pittsfield Works of the General Electric Company, 1st, as Assistant Engineer of the Transformer Department, and then as Works' Electrical Engineer, have had opportunity to supervise engineering work along different lines; but have given special attention to and have practically specialized in High Tension work, and in the development of new high tension apparatus.

*G. F. Farley*

Continue on a separate sheet if necessary.

# INDEXING SCHEDULE

## EXPERIENCE IN DETAIL

Check each subdivision in which you have had experience, adding subdivisions and sub-subdivisions as needed.

Your entries in the following schedule are for indexing purposes.

- |  |   |  |                                     |
|--|---|--|-------------------------------------|
| <b>C AGRICULTURAL MACHINERY AND IMPLEMENTS</b><br>(Including Farm Tractors and the Application of Electricity) | <b>G FUELS AND COMBUSTION</b><br>(See also Q, Oil and Gas Supply) | <b>I MACHINERY AND TOOLS (Continued)</b> | <b>K INDUSTRIAL MACHINERY</b>       |
| 1  | 1 Coal  | 6 Forge Shop Equipment<br>(See also N)   | 1 Cement                            |
| 2  | 2 Coke  | a Steam and Air Hammers                  | 2 Dairying                          |
|  | 3 Low-grade Fuels   | b Bulldozers                             | 3 Flour-milling                     |
|  | 4 Blast-furnace and Coke-oven<br>Gas                              | c  | 4 Mining and Ore-dressing           |
|  | 5 Producer Gas  | ✓7 Welding Equipment                     | 5 Paper and Pulp                    |
|  | 6 Boiler Furnaces<br>a Stokers                                    | ✓a Electric                              | 6 Logging                           |
|  | b   | b Oxy-acetylene                          | 7 Saw-mill                          |
|  |   | c  | 8 Shoe                              |
| <b>D AVIATION</b>  | 7 Industrial Furnaces   |  | 9 Sugar                             |
| 1 Aeroplanes   | 8 Oil-burning Equipment   | <b>J ENGINEERING MACHINERY</b>           | 10 Textile                          |
| 2 Hydro-aeroplanes   | 9 Powdered-fuel Equipment   | 1 Air Machinery                          | 11 Wood-working                     |
| 3 Balloons and Dirigibles<br>(Including Production of Hydrogen)  | 10  | a Compressors                            | 12                                  |
| 4 Engines  |   | b Pneumatic Tools                        | 13                                  |
| 5 Fuselages and Planes   |   | c Fans and Blowers                       | <b>L MATERIALS</b>                  |
| 6 Parts and Instruments  |   | d Turbo-blowers                          | 1 Iron and Steel                    |
|  | <b>H HEATING AND VENTILATING</b>                                  | e  | a Cast Iron                         |
|  | 1 Hot-air   |  | b Malleable Iron                    |
|  | 2 Steam and Hot-water   |  | c Wrought Iron                      |
|  | 3 Vacuum Systems  |  | d                                   |
|  | 4 Ventilating Systems   |  | e Alloys                            |
|  | 5 Air-conditioning  | 2 Pumps                                  | f Cast Steel                        |
|  | 6 Central Plants  | a Centrifugal                            | g High-speed Steel                  |
|  |   | b Direct-acting                          | h Steel Castings                    |
|  |   | c Hydraulic-pressure                     | i Structural Steel                  |
|  |   | d Pumping Engines                        | k Manufactured Product<br>(See L-5) |
|  |   | e  | l Cold-drawn Steel                  |
|  |   |  | m                                   |
|  |   | 3 Refrigerating                          | 2 Non-ferrous Metals                |
|  |   | a Ice Making                             | a Alloys                            |
|  |   | b Cold Storage                           | b Aluminum and Magnesium            |
|  |   | c  | c Antimony, Bismuth, and Cadmium    |
|  |   |  | d Brass and Bronze                  |
|  | <b>Ha LIGHTING</b><br>(Electricity, Gas, Oil)                     |  | e Chromium and Manganese            |
|  | 1 Residence   |  | f Copper                            |
|  | 2 Industrial  |  | g Gold and Silver                   |
|  | 3 Street  | 4 Hoisting and Conveying                 | h Iron and Steel                    |
|  | 4 Head-lighting   | a Conveyors                              | i Lead                              |
|  | 5 Flood-lighting  | b Cableways                              | j Mercury                           |
|  | 6 Picture Projection  | c Cranes and Hoists                      | k Nickel and Cobalt                 |
|  | 7 Shades, Reflectors, Fixtures                                    | d Elevators and Escalators               | l Platinum Metals                   |
|  | 8 Lamps (See I5, Z7)  | e Pneumatic Tube Systems                 | m Radium and Uranium                |
|  |   | f  | n Silicon and Titanium              |
|  |   |  | o Sodium                            |
| <b>F ELECTRICAL APPARATUS</b><br>See also I-7, M-5, N-4, R-4, S-1, U & Z                                       | <b>I MACHINERY AND TOOLS</b>                                      |  | p Tin                               |
| ✓1 Generators  | 1 Machine Parts   |  | q Tungsten                          |
| ✓2 Motors and Converters   | a Ball and Roller Bearings  | 5 Mining                                 | r Zinc                              |
| ✓3 Transformers  | b Gears   | a Boring                                 | s                                   |
| 4 Lamps (see Ha)   | c   | b Draining                               |                                     |
| 5 Batteries  |   | c Dredging                               |                                     |
| 6 Controlling Devices  |   | d Excavating                             |                                     |
| ✓7 Magnets and Solenoids   | 2 Machine Tools<br>(Specify what tools)                           | e Hydraulic                              |                                     |
| 8 Switchboards   | a   | f Quarrying                              |                                     |
| ✓9 Heaters   | b   | g Tunnelling                             |                                     |
| 10 Rectifiers  | c   |  |                                     |
|  |   | 6 Chemical Plant Equipment               |                                     |
|  |   | a Evaporators                            |                                     |
|  |   | b Drying Apparatus                       |                                     |
|  |   | c  |                                     |
|  |   | 7 Fire Extinguishing Machines            |                                     |
|  |   | a Sprinklers                             |                                     |
|  |   | b Engines                                |                                     |
|  |   | c Chemical                               |                                     |
|  |   | d  |                                     |
|  |   |  |                                     |
| <b>Fa ELECTRICAL TRANSMISSION AND DISTRIBUTION</b>   | d Grinding Machines   |  |                                     |
| ✓1 Transmission Systems  | e Polishing Machinery   |  |                                     |
| a Overhead   | 3 Small Tools   |  |                                     |
| b Underground  | 4 Gages, figs and Fixtures  |  |                                     |
| 2 Distributing Systems   | 5 Metal-working Machinery   |  |                                     |
| a Overhead   | a Bending and Straightening<br>Machines                           |  |                                     |
| b Underground  | b Shearing Machines   |  |                                     |
| ✓3 Circuit Protection  | c Power Presses   |  |                                     |
| 4 Wiring of Buildings and Ships  | d Wire-drawing Machines   |  |                                     |
| 5 Wires and Cables   |   |  |                                     |
|  |   |  |                                     |
|  |   |  |                                     |
|  |   |  |                                     |
|  |   |  |                                     |
|  |   |  |                                     |
|  |   |  |                                     |
|  |   |  |                                     |

B3 A7 Design Transformers (G. E.)

B23 A7 Research on Generators, Motors, Transformers, etc.

F1, F2, F3, F7, F9, Fa1, Fa3, I7a, L3d

# INDEXING SCHEDULE

(Continued)

## L MATERIALS (Continued)

- 3 Non-Metals
  - a Abrasives
  - b Asbestos
  - c Belting Materials
  - d Insulating Materials
  - e Lubricating Oils
  - f Carbon Products
  - g Concrete, Reinforced Concrete
  - h Timber
  - i
- 4 Chemicals
  - a Acids, Alkalies and Salts
  - b Alcohol and Acetone
  - c Ammonia
  - d Analytical Chemistry
  - e Barium Compounds
  - f Cement, Lime (see L-3)
  - g Coke and Tar
  - h Dyes and Textiles
  - i Explosives (high)
  - j Explosives (black powder)
  - k Fats and Soaps
  - l Fertilizers
  - m Foods
  - n Glass and Ceramics
  - o Inorganic Chemicals
  - p Nitrogen (synthetic)
  - q Organic Chemicals (other than b)
  - r Paints and Varnish
  - s Petroleum and Asphalt
  - t Pharmaceuticals
  - u Pyrotechnics
  - v Rubber and Allied Substances
  - w Sugar, Starch, and Gums
  - x Toluol, Benzol
  - y Wood Products
- 5 Supplies
  - a Bolts and Nuts
  - b Brass Products
  - c Pipe and Fittings
  - d Tubes
  - e Wire
  - f

## M MEASURING AND TESTING APPARATUS

- 1 Calipers and Gages
- 2 Pressure Gages
- 3 Flow Meters
- 4 Dynamometers
- 5 Electrical Instruments
- 6 Pyrometers
- 7 Recording Instruments
- 8 Testing Machines
- 9 Weighing Apparatus
- 10 Photometers
- 11

## N METALLURGICAL EQUIPMENT

(For Heat-treatment, etc., see Z)

- 1 Foundry Equipment (Specify what equipment)
- a

## N METALLURGICAL EQUIPMENT (Continued)

- 2 Iron and Steel Works Equipment
  - a Blowing Engines
  - b Coke oven (including by-product) Equipment
  - c Rolling Mill Equipment
  - d
- 3 Forging Equipment
  - a Forging Presses
  - b
- 4 Electric Furnace

## O MUNICIPAL AND COMMUNITY

- 1 Pavements and Roads
- 2 Sewerage and Water Supply
- 3 Irrigation

## P MUNITIONS

- 1 Artillery
- 2 Machine Guns
- 3 Rifles
- 4 Side Arms
- 5 Explosives
- 6 Shells
- 7 Fuses
- 8 Cartridges
- 9 Aircraft Bombs
- 10 Torpedoes
- 11 Mines
- 12 Grenades
- 13

## Q GAS MANUFACTURE AND SUPPLY

- 1 Coal Gas Plant
- 2 Water Gas Plant
- 3 Pintsch Gas Plant
- 4 Distribution System
- 5 Lamps (see Ha)
- 6

## Qa OIL AND NATURAL GAS SUPPLY

- 1
- 2 Natural Gas Wells Equipment
- 3 Natural Gas Distribution
- 4 Oil Well Equipment
- 5 Oil Distribution
- 6 Oil Refining
- 7 Lamps (see Ha)
- 8

## R POWER GENERATION

- 1 Steam Power and Plant Equipment (For Furnaces see G)
  - a Boilers
  - b Superheaters
  - c Economizers
  - d Feedwater Heaters
  - e Engines

## R POWER GENERATION (Continued)

- f Turbines
- g Condensers
- h Piping, Valves and Fittings
- j Steam Specialties
- k
- 2 Gas Power and Plant Equipment
  - a Gas Producers
  - b Blast Furnace and Coke-oven Gas Equipment
  - c Gas Engines
  - d Oil Engines
  - e Gasoline Engines
  - f High-speed Gasoline Engines
  - g
- 3 Hydraulic Power and Plant Equipment
  - a Turbines
  - b
- 4 Electric Light and Power
  - a Central Stations
  - b Isolated Plants
  - c
  - d Substations

## S POWER TRANSMISSION

- 1 Electric
  - a Motor Drive
  - b Motor Control
  - c
- 2 Belt Transmission
  - a Shafting
  - b Pulleys
  - c
- 3 Rope Transmission
- 4 Chain Transmission
- 5 Gearing
  - a Reduction Gearing
  - b

## T SHIPS

- 1 Merchant Ships and Transports (Specify wood or steel)
- 2 Warships
- 3 Patrol Boats
- 4 Small Boats, Yachts
- 5 Submarines
- 6 Trawlers and Mine Sweepers
- 7

## U STRUCTURES AND BUILDINGS

- 1 Foundations
- 2 Factories
- 3 Tanks
- 4 Power Houses
- 5 Docks, Dikes, Levees
- 6 Bridges
- 7 Dams
- 8

## V TRANSPORTATION

- 1 Animal
- 2 Automobiles (Specify whether gasoline, electric or steam)
  - a Pleasure Cars
  - b Road Tractors
  - c Trucks
  - d Motor Cycles
  - e Motors
  - f Accessories and Parts
  - g
- 3 Railway, Electric
  - a Maintenance of Way
  - b Valuation
  - c Trolley Cars
  - d Gasoline-electric Cars
  - e Car Barns and Sheds
  - f Electrolysis Prevention
  - g
- 4 Railroad, (Steam or Electric) (Specify whether steam or electric)
  - a Maintenance of Way
  - b Cars
  - c Locomotives
  - d Brakes
  - e Locomotive Terminals and Equipment
  - f Signals
  - g
- 5 Railway, Industrial
- 6 Marine
  - a Boilers
  - b Oil-burning Equipment
  - c Steam Engines
  - d Oil and Gasoline Engines
  - e Turbines
  - f Electric Drive
  - g Propellers
  - h Steering Gear
  - j
- 7 Canal
  - a Electric
  - b

## W

## X

## Y

## Z MANUFACTURING AND SPECIAL PROCESSES

- 1 Machine Shop Processes
- 2 Cement Manufacture
- 3 Paper Manufacture
- 4 Textile Manufacture
- 5 Electrochemical
- 6 Electrometallurgical
- 7 Special Processes (Please add any processes with which you have had experience)
  - a Dynamic Balancing
  - b Die Casting
  - c Heat Treatment
  - d Metal Coating
  - e Wood Preservation
  - f Lamp Manufacture
  - g