From Folder 1408

8.1.6

Form 183–10000–11–17.

THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

33 West 39th Street, New York

PERSONAL CLASSIFICATION SHEET

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 Thomson Elihu (none) Date Nov 24 1917.
(Surname) (First name) (Second name)

Mail address 22 Monument Ave
(Number) (Street)

Swampscott Lynn Mass
(City) (State)

Telegraph address ... Telephone No. 286 Married? no Dependents? yes
(If widower answer no.)

Occupation or position Consulting Engineer - etc. etc.

Name of employer General Electric Co.

Location Lynn Mass

Kind of business Electrical

Birth: Year 1853 Country England When naturalized? About 1874 Exact date not at hand.

Citizen of what country? U. S.

Physical condition Fairly good, considering age which has brought limitations.

Education { Common School Yes / High School Yes / College ... / Course ... / Year graduated ... / Degree ... } (Name of College)
taught as Prof. & asst. Prof. of Chemistry & Mechanics 10 years.

Member of what engineering and technical societies? A.I.E.E. - M.S.C.E. - Hon. M.S.E.E. Chemical Soc. Electrochem Soc. etc.

What foreign languages do you speak? None Fluently? no Read French - German - Italian - etc.

In what countries have you resided and what years? England till twenty years old. Then U.S. - always.

In what countries traveled extensively? U.S. - have travelled in England, France, Spain & Italy not extensively - Ireland

What military or naval training? None.

Are you in active service or reserve? No Rank?

Member of what war committees? Nat. Research Council - (at present engaged on several war problems.)

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 (This table is for indexing purposes)	Symbols of Specialties
Electrical Engineering, Invention, design and many kindred arts & sciences including Optics work, photography, illumination, metalworking &c. mostly in the line of original inventions and applications.	

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

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 *A* 9."

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

Analytical Chemistry - 1870 - 1
Teacher of " 1871 - 1880 - Prof. in Central High School Phila. Pa.
Invention and design D. H. arc lighting system - 1879 & thereafter -
Period from 1879 to present devoted to a great variety of work, much of it original, chiefly in the several branches of heavier electrical engineering. The work has included, however mechanical engineering - steam engines, steam turbines and internal combustion engines -
Developed electric welding art (resistance method)
Time since 1879 largely devoted to special problems demanding original methods, invention, and laboratory development; work which is still carried on in connection with the General Electric Co. (formerly up to 1891 with the Thomson-Houston Electric Co - about 700 U.S. patents constituting a partial record of the work done in the period.
Work has been done in the higher grades of optical construction, and instruments -
The work has included many lines, such as photography and special chemical problems.

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.

C AGRICULTURAL MACHINERY AND IMPLEMENTS
(Including Farm Tractors and the Application of Electricity)
1
2

D AVIATION
1 Aeroplanes
2 Hydro-aeroplanes
3 Balloons and Dirigibles (Including Production of Hydrogen)
4 Engines
5 Fuselages and Planes
6 Parts and Instruments
7

E COMMUNICATION
1 Cables
2 Signal Systems
3 Telegraph
4 Telephone
5 Radio
6 Light Rays
7

F ELECTRICAL APPARATUS
See also *I*-7, *M*-5, *N*-4, *R*-4, *S*-1, *U* & *Z*
1 Generators
2 Motors and Converters
3 Transformers
4 Lamps (see *Ha*)
5 Batteries
6 Controlling Devices
7 Magnets and Solenoids
8 Switchboards
9 Heaters
10 Rectifiers
11

Fa ELECTRICAL TRANSMISSION AND DISTRIBUTION
1 Transmission Systems
a Overhead
b Underground
2 Distributing Systems
a Overhead
b Underground
3 Circuit Protection
4 Wiring of Buildings and Ships
5 Wires and Cables
6

G FUELS AND COMBUSTION
(See also *Q*, Oil and Gas Supply)
1 Coal
2 Coke
3 Low-grade Fuels
4 Blast-furnace and Coke-oven Gas
5 Producer Gas
6 Boiler Furnaces
a Stokers
b
7 Industrial Furnaces
8 Oil-burning Equipment
9 Powdered-fuel Equipment
10

H HEATING AND VENTILATING
1 Hot-air
2 Steam and Hot-water
3 Vacuum Systems
4 Ventilating Systems
5 Air-conditioning
6 Central Plants
7

Ha LIGHTING
(Electricity, Gas, Oil)
1 Residence
2 Industrial
3 Street
4 Head-lighting
5 Flood-lighting
6 Picture Projection
7 Shades, Reflectors, Fixtures
8 Lamps (See *I*-5, *Z*-7)

I MACHINERY AND TOOLS
1 Machine Parts
a Ball and Roller Bearings
b Gears
c
2 Machine Tools
(Specify what tools)
a
b
c
d Grinding Machines
e Polishing Machinery
3 Small Tools
4 Gages, Jigs and Fixtures
5 Metal-working Machinery
a Bending and Straightening Machines
b Shearing Machines
c Power Presses
d Wire-drawing Machines

I MACHINERY AND TOOLS (*Continued*)
6 Forge Shop Equipment
(See also *N*)
a Steam and Air Hammers
b Bulldozers
c
7 Welding Equipment
a Electric
b Oxy-acetylene
c

J ENGINEERING MACHINERY
1 Air Machinery
a Compressors
b Pneumatic Tools
c Fans and Blowers
d Turbo-blowers
e
2 Pumps
a Centrifugal
b Direct-acting
c Hydraulic-pressure
d Pumping Engines
e
3 Refrigerating
a Ice Making
b Cold Storage
c
4 Hoisting and Conveying
a Conveyors
b Cableways
c Cranes and Hoists
d Elevators and Escalators
e Pneumatic Tube Systems
f
5 Mining
a Boring
b Draining
c Dredging
d Excavating
e Hydraulic
f Quarrying
g Tunnelling
h
6 Chemical Plant Equipment
a Evaporators
b Drying Apparatus
c
7 Fire Extinguishing Machines
a Sprinklers
b Engines
c Chemical

K INDUSTRIAL MACHINERY
1 Cement
2 Dairying
3 Flour-milling
4 Mining and Ore-dressing
5 Paper and Pulp
6 Logging
7 Saw-mill
8 Shoe
9 Sugar
10 Textile
11 Wood-working
12
13
14 Specialty Machines
a Adding
b Envelope
c Sewing
d Typewriters
e Weighing
f

L MATERIALS
1 Iron and Steel
a Cast Iron
b Malleable Iron
c Wrought Iron
d
e Alloys
f Cast Steel
g High-speed Steel
h Steel Castings
j Structural Steel
k Manfactured Product (See *L*-5)
l Cold-drawn Steel
m
2 Non-ferrous Metals
a Alloys
b Aluminum and Magnesium
c Antimony, Bismuth, and Cadmium
d Brass and Bronze
e Chromium and Manganese
f Copper
g Gold and Silver
h Iron and Steel
i Lead
j Mercury
k Nickel and Cobalt
l Platinum Metals
m Radium and Uranium
n Silicon and Titanium
o Sodium
p Tin
q Tungsten
r Zinc
s

B2 | A7 Consulting Engr. (G.E.) (91-date)
B5 | A7 Designer
B13 | A7 Lab. Chief
B23 | A7 Research Engr.