State of South Carolina

SEVENTH ANNUAL REPORT
of the
State Board of Engineering Examiners
to the
GOVERNOR
1929

For Year Ending June 30, 1929
State of South Carolina

SEVENTH ANNUAL REPORT

of the

State Board of Engineering Examiners

to the

GOVERNOR

1929

For Year Ending June 30, 1929
Letter of Transmittal

COLUMBIA, S. C., August 1, 1929.

To His Excellency, Hon. John G. Richards,
Governor of South Carolina,
Columbia, S. C.

SIR:
In compliance with Section 6, of an Act providing for the creation of a State Board of Engineering Examiners and regulating the practice of Engineering in the State of South Carolina, we have the honor to transmit this Seventh Annual Report of the activities of the Board, together with a statement of receipts and expenditures and a list of those registered in accordance with the Act.

The Board desires to express its appreciation of the cooperation and assistance received from State officers.

Respectfully submitted,

L. S. LeTellier, Chairman,
T. Keith Legaré, Secretary.
Personnel of South Carolina State Board of Engineering Examiners

L. S. LeTELLIER, Chairman, Charleston,
Professor of Civil Engineering, The Citadel,
Member, Society for Promotion of Engineering Education,
Associate Member, American Society of Mechanical Engineers.

G. E. SHAND, Vice-Chairman, Columbia.
President, Shand Engineering & Sales Company,
Member, American Society of Civil Engineers.

T. KEITH LEGARE, Secretary, Columbia,
Vice-Pres. and Sales Engr., Carolina Concrete Pipe Co.,
Member, American Society of Civil Engineers,
Member, American Society of Municipal Improvements.

GEORGE WRIGLEY, Greenville,
In Charge Electrical Dept., J. E. Sirrine & Co., Engineers,
Member, American Institute of Electrical Engineers,
Member, National Electric Light Association.

W. S. TOMLINSON, Columbia,
City Engineer, City of Columbia,
President, Tomlinson Engineering Company,
Member, American Society for Municipal Improvements.
REPORT
of the
State Board of Engineering Examiners

ACTIVITIES OF THE BOARD

The regular meetings of the Board were held in Columbia on July 10 and December 4, 1928, and applications for registration were considered and examinations conducted. Seven engineers and three land surveyors were approved by the Board for registration and one National Reciprocity Certificate was granted. Of registrations revoked for non-payment of renewal fee, five were reinstated.

In notices sent all registrants on June 1, 1929, the Board urged and requested their cooperation in the enforcement of the engineering registration law, and has mailed letters to city and county officials and other employers of engineers calling their attention to the provisions of this law. It is the desire of the Board to bring to the attention of all engineers and employers of engineers that the practice of engineering by unregistered men is an unlawful procedure, and that situations may easily arise in which the usefulness of an engineer may be seriously impaired if it can be shown that he is practicing in violation of the law. For example, in the giving of testimony in litigation, an engineer's prestige and the credibility of his testimony would be seriously undermined if it were brought out that he is engaged unlawfully in the practice of his profession.

The Board is eager to do everything in its power to facilitate the registration of every competent engineer who may be following his profession in South Carolina; and it seeks the support of every engineer and employer of engineers in its efforts to enforce the engineering registration law through the voluntary cooperation of those concerned with engineering work.

HISTORY OF ACT PROVIDING FOR REGISTRATION

The Act providing for the creation of a State Board of Engineering Examiners and the registration of professional engineers and land surveyors was passed by the State Legislature of South Carolina at the 1922 Session and was approved by Governor R. A. Cooper, on March 22, 1922. The Act as now amended was approved by Governor John G. Richards, on March 10, 1928.

The members of the Board were appointed and commissioned by Governor Wilson G. Harvey, on May 31, 1922, as follows:

G. E. Shand, of Columbia; George Wrigley, of Greenville; L. S. LeTellier, of Charleston; W. S. Tomilson, of Columbia; T. Keith Legaré, of Columbia.
The Board held its first meeting in Columbia on June 17, 1922, and was organized by the election of officers and the appointment of committees. The present officers and members of the Board are given on page 4.

GENERAL STATUS OF REGISTRATION IN THE UNITED STATES

Louisiana was the first State to enact a law regulating the practice of engineering, this being in 1908. Since then the following States have adopted engineering registration laws: Arizona, Arkansas, California, Colorado, Florida, Idaho, Indiana, Iowa, Louisiana, Michigan, Minnesota, Mississippi, New Jersey, New York, North Carolina, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Virginia, West Virginia, Wyoming and Hawaii. The National Council of State Boards of Engineering Examiners is composed of all the State Boards, except New Jersey, New York and Pennsylvania, and the purpose of the National Council is "to examine the state laws providing for registration of engineers and the customs and rules of procedure of the different boards in the examination of applicants, to consider suggestions and recommendations for uniformity of practice so far as the same can legally be done by the different State Boards, and to provide for reciprocal relations between the State Boards for granting registration to applicants from other states on equal terms of examination."

RECIPROCAL REGISTRATION

The South Carolina Act provides for reciprocity with other states in the matter of registration of engineers. Articles of agreement on reciprocal registration have been adopted by the National Council and accepted by the South Carolina Board. These articles are printed in full elsewhere in this report. The engineer whose practice extends into other states will find the conditions of registration greatly simplified in those states which have ratified this agreement.

The Board charges no fee for issuing a certificate of reciprocal registration, but registrants are respectfully requested not to apply for reciprocal registration if they have no need for it, and unless convinced that they can satisfy the Board that they possess the qualifications outlined. Special application forms for reciprocal registration will be furnished by the Board.

MEETINGS, FEES, RENEWALS, ETC.

Regular meetings of the Board are held on the second Tuesday of July and the first Tuesday of December. All applications for registration must be made on blanks provided by the Board, accompanied by the required fee and filed with the Secretary of the Board at least ten days before meetings. The fee of $15.00 required by law
before a candidate can be admitted to examination will not be returned after candidate has taken examination irrespective of whether he passes or fails; nor will fee be returned if candidate fails to appear after being duly notified to report for examination, but the Board may at its discretion admit the candidate to a subsequent examination without additional fee.

All certificates of registration expire on June 30th, of each year. The annual renewal fee of $5.00 for engineers and $3.00 for surveyors is payable on or before the 3rd Tuesday of June. Only one fee of $5.00 is required when classification includes both engineer and surveyor. If fee is not paid until the month of July a penalty of $1.00 will be added. After August 1st an additional penalty of 10 per cent of the original fee will be added for each month and all registrations not renewed before January 1st will be revoked. The Board, for reasons it may deem sufficient, may re-issue a certificate of registration to any person whose certificate has been revoked.

Application blanks and any other information desired will be furnished by the Secretary of the Board, address P. O. Box 264, Columbia, S. C.

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**Financial Statement**

**STATEMENT OF RECEIPTS AND DISBURSEMENTS**

*July 1, 1928 to June 30, 1929*

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<td>Cash Balance, June 30, 1929</td>
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**ANALYSIS OF DISBURSEMENTS**

*July 1, 1928 to June 30, 1929*

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<td>Salaries (Secretary and Stenographer)</td>
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<td><strong>Total</strong></td>
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AUDITOR'S LETTER AND AFFIDAVITS OF OFFICERS:

Hon. Albert S. Fant, State Bank Examiner
Columbia, South Carolina.

Dear Sir:

In compliance with the law, we have audited the accounts of the South Carolina State Board of Engineering Examiners, Columbia, S. C., covering the period beginning July 1, 1928 and ending June 30, 1929. Our report is enclosed herewith.

Receipts have been checked from original records, and disbursements, all of which are made through the Comptroller General, have been reconciled.

All cash of record is properly accounted for.

Respectfully submitted,

(Signed) J. M. Smith,
State Auditor.

Columbia, S. C., July 2, 1929.

State of South Carolina, County of Charleston,
I, L. S. Letellier, Chairman of the State Board of Engineering Examiners do hereby certify that the financial statement herewith rendered of the State Board of Engineering Examiners is true to my own knowledge, except those matters and facts stated on information and belief, and as to those, I believe it to be true.

(Signed) L. S. Letellier,
Subscribed and sworn to before me, this 25th day of July, 1929.
(Signed) O. J. Bond,
Notary Public for S. C.

State of South Carolina, County of Richland,
I, T. Keith Legaré Secretary of the State Board of Engineering Examiners do hereby certify that the financial report herewith rendered is a correct statement of the finances of the State Board of Engineering Examiners for the period specified.

(Signed) T. Keith Legaré,
Subscribed and sworn to before me, this 29th day of July, 1929.
(Signed) Wm. A. Crary, Jr.,
Notary Public for S. C.
### ROSTER OF

**Registered Professional Engineers and Land Surveyors**

Authorized to Practice in the State of South Carolina as of August 1, 1929.

**NOTE**—IT IS VERY IMPORTANT THAT THE SECRETARY BE NOTIFIED OF CHANGES IN POSITION OR ADDRESS.

Key to Abbreviations in Classification:

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<td>*ADAMS, D. G., City Engineer.</td>
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<td>ADAMS, T. C., Res. Engr., State Highway Department.</td>
<td>Box 253, Denmark, S. C.</td>
<td>C.E.</td>
<td>6-22-26</td>
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<td>ALLEN, CHARLES KYES, Res. Engr., Waddell &amp; Hardey.</td>
<td>Francis Marion Hotel, Charleston, S. C.</td>
<td>C.E., L. S.</td>
<td>12-4-28</td>
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<td>*ALLEN, W. M., Civil Engineer and Surveyor.</td>
<td>Dillon, S. C.</td>
<td>C.E., L.S.</td>
<td>9-14-22</td>
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<td>*ALLEN, JAS. P., Civil Engr., (Retired).</td>
<td>11 Broad St., Charleston, S. C.</td>
<td>C.E., L.S.</td>
<td>6-19-23</td>
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<td>Struct. Designer, J. E. Sirrine &amp; Co.</td>
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<td>BAILEY, O. A.</td>
<td>Chief Engr., Chicago Bridge &amp; Iron Works.</td>
<td>1305 West 105th St., Chicago, Ill.</td>
<td>11-19-23</td>
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<td>BALDWIN, C. M.</td>
<td>Civil Engr., Atlantic Coast Lumber Corp.</td>
<td>205 Dozier St., Georgetown, S. C.</td>
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<td>BANGS, P. C.</td>
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<td>618 Atlanta Trust Bldg., Atlanta, Ga.</td>
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<td>BARKLEY, M. B.</td>
<td>Vice-Pres. Cameron &amp; Barkley Co.</td>
<td>160 Meeting St., Charleston, S. C.</td>
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BISHOP, G. H.,
Consl. Engr., Carolina Engineering Co.

BISHOP, R. P.,
Engineer, The Carolina Engineering Co.

BLACKWELDER, C. D.,

BOOKER, WARREN H.,
Consl. Engineer.

BOESCH, CLARENCE E.,
Member of Firm, Gilbert C. White Co.,
Consl. Engineers.

BOONE, L. C.,
County Engineer, Orangeburg County.

BOWEN, S. H.,
City Engineer and Land Surveyor.

BOSWELL, R. NORMAN,
Civil Engineer.

BOYKIN, A. B.,
Land Surveyor.

BOYKIN, L. W., Jr.,
Land Surveyor.

BOYKIN, T. A.,
Overhead Dept. Broad River Power Co.

BRADLEY, HUGHES V.,
Res. Engr., State Highway Dept.

BRICE, Chas. M.,
Carolina Engineering Company.
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<td>CANNON, O. B.</td>
<td>Supt. of Newberry Schools and Land Surveyor.</td>
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<td>*COVINGTON, JAS. F.,</td>
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<td>*DILL, TERRY T.</td>
<td>Res. Engr., Iowa State Highway Comm.</td>
<td>104 Court House, C.E.</td>
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<td>Cottageville, S. C., L.S.</td>
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<td>*EADDY, JNO. M.</td>
<td>Land Surveyor</td>
<td>P. O. Box 82, Johnsonville, S. C.</td>
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<td>EMERSON, C. L.</td>
<td>Vice-Pres. and Chief Engr., Robert &amp; Company</td>
<td>706 Bona-Allen Bldg., C.E., E.E., M.E.</td>
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<td>EMERSON, L. A.</td>
<td>Sec. &amp; Treas., Tomlinson Engr. Co.</td>
<td>1226 Sumter St., C.E., L.S.</td>
<td>9-14-22</td>
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<td>*ENGLISH, B. M.</td>
<td>Asst. to Construction Engr.</td>
<td>State Highway Dept., C.E., L.S.</td>
<td>3-22-23</td>
<td>109</td>
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<td>EVANS, C. D.</td>
<td>Engineer</td>
<td>Drawer 600, C.E., L.S.</td>
<td>3-22-23</td>
<td>106</td>
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<td>EVANS, R. M.</td>
<td>Civil Engr and Land Surveyor</td>
<td>Bennettsville, S. C., C.E., L.S.</td>
<td>3-22-23</td>
<td>108</td>
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<td>**FISHER, L. M.</td>
<td>Asso. San. Engr., U. S. Public Health Service</td>
<td>45 Broadway, C.E.</td>
<td>3-22-23</td>
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* Indicates a current position held.
** Indicates a position held in the past.
Marion, S. C.  
L.S.  
3-22-23  
259

*FLOYD, G. T.*, Real Estate, Ins., Surveying and Civil Engr.  
Manning, S. C.  
C.E., L.S.  
9-14-22  
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FORD, G. T., Engineering and Land Surveying.  
222 Cannon St.,  
Georgetown, S. C.  
C.E., L.S.  
9-14-22  
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FOSTER, J. W.,  
Summerville, S. C.  
C.E.  
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111

*FRANK, J. N.*, Civil Engineer and Surveyor.  
Walterboro, S. C.  
C.E., L.S.  
6-19-23  
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FRY, E. D., Supt. Greater Greenville Sewer District Comm.  
Greenville, S. C.  
C.E., L.S.  
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112

*FURMAN, C. M., Jr.*, Civil Engr. and Land Surveyor.  
11 W. Court St.,  
Greenville, S. C.  
C.E., L.S.  
3-22-23  
110

GAILLARD, J. P., Civil Engr. and Timber Estimator.  
514 Peoples Bldg.,  
Charleston, S. C.  
C.E.  
3-22-23  
117

*GANDY, R. B.*, Civil Engineer and Surveyor.  
Andrews, S. C.  
C.E., L.S.  
3-22-23  
119

Box 7,  
Dawson, Ga.  
C.E., L.S.  
3-22-23  
116

GASQUE, B. M., Land Surveyor.  
Marion, S. C.  
L.S.  
3-22-23  
236

GIBSON, J. E., Mgr. and Engr., Water Dept., Charleston.  
14 George St.,  
Charleston, S. C.  
C.E.  
3-22-23  
244

**GIDEON, F. CLYDE,** (Unknown)  
C.E.  
6-22-26  
308

*GILLESPIE, W. L.*, Civil Engineer and Surveyor.  
P. O. Box 337,  
Cheraw, S. C.  
C.E., L.S.  
3-22-23  
118
*GLEN, A. LEONARD,
Res. Engr., S. C. State Highway Dept.

1430 Blanding St.,
Columbia, S. C.
C.E., L.S. 6-19-23 264

GOURDIN, P. G.,
Civil Engineer and Surveyor.

Kingstree, S. C.
C.E., L.S. 9-14-22 18

**GRANDY, LLOYD H.,
Contractor and Engineer.

Greenville, S. C.
C.E. 3-22-23 115

GREENE, J. C.,
U. S. Engineer's Office.

807 McColl Bldg.,
Memphis, Tenn.
C.E., L.S. 9-14-22 19

GUNTER, GEO. C.,
Land Surveyor.

Seivern, S. C.
L.S. 12-5-22 45

**HALE, JOSEPH W.,
Engineer, A. C. L. R. R.

P. O. Box 762,
Rocky Mount, N. C.
C.E., L.S. 3-22-23 125

HAMBY, THEO. C.,
Lexington Water Power Co.

Columbia, S. C.
C.E., L.S. 12-5-22 46

HAMPTON, AMBROSE G.,

McClellanville, S. C.
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*HANAHAN, JOHN,
Carolina Portland Cement Co.

P. O. Box 1404,
Columbia, S. C.
L.S. 6-19-23 265

HARDESTY, SHORTRIDGE,
Waddell & Hardesty.

150 Broadway,
New York, N. Y.
C.E. 12-4-28 330

HARRIS, W. E.,
Res. Engr., S. C. State Highway Dept.

Columbia, S. C.
C.E., L.S. 3-22-23 123

HARRISON, F. P.,
Elec. Engr., Lockwood-Greene Engrs., Inc.

Wilson Bldg.,
Charlotte, N. C.
E.E. 3-22-23 137

*HARTLEY, E. L.,
Land Surveyor.

Batesburg, S. C.
L.S. 3-22-23 258

*HARVEY, G. H.,
Surveyor.

Holly Hill, S. C.
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<th>Company/Position</th>
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<th>Date</th>
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<td>HAWES, EDWARD</td>
<td>City Engineer</td>
<td>Orangeburg, S. C.</td>
<td>3-22-23</td>
<td>136</td>
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<tr>
<td>HAY, E. G.</td>
<td>Land Surveyor</td>
<td>Orangeburg, S. C. 686 N. Orange Ave., Orlando, Fla.</td>
<td>3-22-23</td>
<td>237</td>
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<td>HENRY, J. B.</td>
<td>Pres., Henry Const. Co., Engrs. and Contrs.</td>
<td>P. O. Box 1000, Greenville, S. C.</td>
<td>3-22-23</td>
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<td>HESTER, W. A.</td>
<td>Land Surveyor</td>
<td>Travelers Rest, S. C.</td>
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<td>HICKLIN, W. J.</td>
<td>Capitol Concrete Co.</td>
<td>122 Palmetto Ave., South Jacksonville, Fla.</td>
<td>3-22-23</td>
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<td>HILL, GEORGE</td>
<td>Engineer</td>
<td>Tucapau, S. C.</td>
<td>M.E., E.E. 6-19-23 266</td>
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<td>HOLMES, W. F.</td>
<td>Care Kalman Steel Company.</td>
<td>P. O. Box 1194, Greensboro, N. C.</td>
<td>C. E. 3-22-23 133</td>
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<td>HOLT, D. T.</td>
<td>Land Surveyor</td>
<td>Wateree, S. C.</td>
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<td>HOWE, G. M.</td>
<td>Asst. City Engineer</td>
<td>P. O. Box 807, Charleston, S. C.</td>
<td>C.E., L.S. 9-14-22 20</td>
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<td>**HUGHES, N. C., Jr.</td>
<td>Contracting Engineer</td>
<td>Box 425, Columbia, S. C.</td>
<td>C.E. 3-22-23 128</td>
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</table>
HULICK, D. A.,  
City Engineer.  

HUMBERT, H. B.,  
County Engineer, Spartanburg County.  

*HUNTER, SAM M., Jr.,  
Slattery & Henry, Inc.  

HUNTINGTON, R. S.,  
Huntington & Guerry, Inc.  

JAMES, R. T.,  
Civil Engineer.  

JAUDON, H. S.,  
Jaudon Engineering Co., Municipal Engineers.  

*JEFFORDS, J. E.,  

JERVEY, E. D.,  
Engr. Sanitary and Drainage Commission.  

JOHNSON, CECIL,  
Res. Engr., S. C. State Highway Dept.  

JOHNSON, J. M.,  
Johnson & Roberts, Engrs. and Surveyors.  

**JOHNSTON, J. NEWTON,  
Consl. Civil Engineer.  

*JONES, H. C.,  
Res. Engr., S. C. State Highway Dept.  

JORDAN, T. M.,  
Res. Engr., Myrtle Beach Estates, Inc.  

City Hall,  
Greenville, S. C.  
C.E., L.S.  
3-22-23  
130  

557 Gadsden Court,  
Spartanburg, S. C.  
C.E., L.S.  
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Greenville, S. C.  
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304  

1706 Elizabeth Ave.,  
Charlotte, N. C.  
C.E., L.S.  
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P. O. Box 582,  
Elberton, Ga.  
C.E.  
12-5-22  
48  

P. O. Box 22  
Pikesville, N. C.  
C.E.  
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39 Broad St.,  
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1509 Lady Street,  
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Myrtle Beach, S. C.  
C.E.  
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334
**KAUFFMAN, IRA U.,**  
Civil Engineer.

KEELS, JOSEPH,  
Engr., Tomlinson Engineering Co.

**KENNEDY, J. T.,**  
Land Surveyor.

KERR, LORAN A.,  
Mgr. & Treas., Eureka Land Co.

KESTER, H. H.,  
Supt. of Supply, State Highway Dept.

KING, ROBERT,  
Supt. of Purchase, State Highway Dept.

*KOLLOCK, J. T.,*  
Forest Engineer.

LaBRUCE, G. H.,  

LaBRUCE, J. B.,  
Supt. of Constr., Simons-Mayrant Co.

LaMOTTE, FRANK W.,  
Engr., State Highway Dept.

*LANGFORD, B. G.,*  
Rural Mail Carrier and Surveyor.

LEE, F. W.,  
National Cement Co.

LEE, RANDOLPH B.,  
Civil Engr. and Surveyor, J. F. Prettyman and Sons.

Glenn Bldg.,  
Spartanburg, S. C.  
C.E., L.S.  
3-23-25  
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1226 Sumter St.,  
Columbia, S. C.  
C.E., L.S.  
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Route No. 1,  
Wagener, S. C.  
L.S.  
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Box 44,  
Cheraw, S. C.  
L.S.  
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4 Broad St.,  
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13 Savage St.,  
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131 Ashley Ave.,  
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1818 Henderson St.,  
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Travelers Rest, S. C.  
L.S.  
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P. O. Box 146,  
Columbia, S. C.  
C.E., L.S.  
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23

Summerville, S. C.  
C.E., L.S.  
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<td>*LEE, W. LORING</td>
<td>Civil Engineer, (Retired).</td>
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<td>LEGARÉ, T. KEITH</td>
<td>Vice-Pres and Sales Engr., Carolina Concrete Pipe Co.; Sec. State Board of Engineering Examiners; Sec.-Treas. National Council State Boards of Engineering Examiners.</td>
<td>P. O. Box 264, 1226 Sumter St. Columbia, S. C.</td>
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<td>LeTELLIER, L. S.</td>
<td>Prof. of Civil Engineering, The Citadel. Chairman State Board of Eng. Examiners.</td>
<td>Box 191, Chattanooga, Tenn.</td>
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<td>**LOUGHLIN, JAMES A.</td>
<td>Civil Engineer.</td>
<td>511-516 Wachovia Bank Bldg., C. E.</td>
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LUTEN, DANIEL B.,
Des. and Cons!. Engineer.

MAHAFFEY, L. M.,
Surveyor and County Supt. of Education.

MANHEIM, C. M.,
Asst. Engr., Johnson & Roberts.

**MARSH, M. R.,
Architect and Engineer.

*MARTIN, J. W.,
Res. Engr., Volunteer Portland Cement Co.

MAULDIN, EARLE,

**MAULDIN, THOS. S.,

MAY, L. A.,

MAYES, JAS. B.,
Maintenance Supv., State Highway Dept.

**MAYNARD, R. W.,
Engineer of Construction, Grove Mills.

MAYRANT, W. R.,

MICHAEL, F. C.,
Pres. and Elect. Engr., Michael & Bivens, Inc.

MILLARD, C. H.,
With Dalton & Neves.

1056 Consolidated Bldg.,
Indianapolis, Ind.

Anderson, S. C.
L.S.
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Marion, S. C.
C.E., L.S.
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224 Latta Arcade,
Charlotte, N. C.

Charleston Hotel,
Charleston, S. C.

Box 423,
Charlotte, N. C.

127 Westfield St.,
Greenville, S. C.

Nissen Bldg.,
Winston-Salem, N. C.

Kingstree, S. C.

Hickory, N. C.

506 Peoples Bldg.,
Charleston, S. C.

P. O. Drawer 434,
Gastonia, N. C.

P. O. Box 170,
Greenville, S. C.
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<td>MOORE, THOS. V.</td>
<td>Supt. Raymond Concrete Pipe Co.</td>
<td>140 Cedar St., New York, N. Y.</td>
<td>C.E.</td>
<td>3-22-23</td>
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<td>MOSS, S. DIBBLE</td>
<td>Surveyor Orangeburg Real Estate and Surveying Company</td>
<td>3 Whitman St., Orangeburg, S. C.</td>
<td>L.S.</td>
<td>7-10-28</td>
<td>327</td>
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<td>MUCKENFUSS, A. A.</td>
<td>Maint. Supv., S. C. State Highway Dept.</td>
<td>P. O. Box 491, Aiken, S. C.</td>
<td>L.S.</td>
<td>3-22-23</td>
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<td>MURRAY, F. H.</td>
<td>Consol. Engineer.</td>
<td>422 North Main St., Sumter, S. C.</td>
<td>C.E., L.S.</td>
<td>12-5-22</td>
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McCORMICK, J. A.,
Sec.-Treas., Charleston Engr. & Constr. Co.
58 Broad St.,
Charleston, S. C.
C.E. 6-19-23 270

McCULLOUGH, L. H.,
Palmetto Engineering Co.
Aiken, S. C.
C.E., L.S. 12-2-24 287

**McCRADY, W. S.,
Lexington Clay Mines.
702 Liberty Bank Bldg.,
Columbia, S. C.
C.E., L.S. 12-1-25 302

McCRADY, JOHN,
Consl. Civil Engineer.
P. O. Box 912,
Charleston, S. C.
C.E. 3-22-23 173

McLaurin, C. H.,
Land Surveyor.
Clio, S. C.
L.S. 3-22-23 174

McLELLAN, R. F.,
Cuttino & McLellan Realty Co.
Sumter, S. C.
C.E., L.S. 9-14-22 28

McLURE, J. H.,
City Engr. and Treasurer.
City Hall,
Chester, S. C.
C.E., L.S., E.M. 3-22-23 252

McMILLAN, C. R.,
Mullins, S. C.
C.E. 6-19-23 271

McPHERSON, JNO. A.,
Chief Engr. of Building & Plant Dept., J. E.
Sirrine & Co.
Greenville, S. C.
C.E. 3-22-23 172

NEEDLE, JOE,
Asst. City Engineer.
City Hall,
Charleston, S. C.
C.E., L.S. 9-14-22 29

NEVES, W. D.,
Dalton & Neves, Civil Engineers.
Cleveland Bldg.,
Greenville, S. C.
C.E., L.S. 3-22-23 176

NIMITZ, ARTHUR E.,
James Bldg.,
Chattanooga, Tenn.
C.E. 12-5-22 53

O’DELL, T. W.,
Res. Engr., Harwood Beebe Co.
Montgomery Bldg.,
Spartanburg, S. C.
C.E., L.S. 3-22-23 177
OLSEN, WM. C.,
Consulting Engineer.

**PAGE, OTIS M.,
Civil Engr., Mgr. Builders Supply Co.

PALMER, GEO. H.,
Palmer Construction Co.

PALMER, JOSEPH,
Civil Engineer.

PARKER, J. L.,
Consulting Engineer.

*PATTERSON, A. H.,
County Engr., Anderson County.

*PATTON, P. F.,
Civil Engineer.

PEARSON, J. F.,
Supt. Orangeburg Water and Lighting Plant.

PEASE, J. N.,
Lockwood Green Engineers, Inc.

**PERRIN, J. C.,
Res. Engr., S. C. State Highway Dept.

PIATT, WM. M.,
Consulting Engineer.

*PITTS, W. C.,
County Engineer, Horry County.

POE, HARRY T., Jr.,
Pres. Poe Construction Co., Inc.

PORTER, R. D.,
Engineer, J. E. Sirrine & Co.

405 Bldg. & Loan Bldg.,
Raleigh, N. C.

Dillon, S. C.

Box 652,
Florence, S. C.

7½ Law Range,
Sumter, S. C.

602 Peoples Bank Bldg.,
Charleston, S. C.

Anderson, S. C.

922 Flemming St.,
Hendersonville, N. C.

52 S. Middleton St.,
Orangeburg, S. C.

Johnson Bldg.,
Charlotte, N. C.

Greenwood, S. C.

400-1 First Nat. Bank Bldg.,
Durham, N. C.

Conway, S. C.

Capers Bldg.,
Greenville, S. C.

Greenville, S. C.

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M.E., C.E. 3-22-23 250
*PORTER, R. M.,
  Columbia Clay Co.
Columbia, S. C.  L.S., C.E.  3-22-23  245

POSTELL, JAS. A.,
  Land Surveyor.
R. F. D.,
  Ravenel, S. C.
L.S.  9-14-22  31

POWERS, R. M.,
  Civil Engineer, Highways and Railroads.
1248 Third St.,
  Beaver, Pa.
C.E., L.S.  3-22-23  180

PRETTYMAN, C. F.,
Summerville, S. C.  C.E., L.S.  3-22-23  187

PRICE, EDW. L.,
3203 N. Charles St.,
  Baltimore, Md.
C.E., L.S.  9-14-22  32

QUATTLEBAUM, McQUEEN,
  Quattlebaum Ice & Fuel Co.
Johnston, S. C.  C.E., L.S., M.E.  3-22-23  249

RAMBO, S. B.,
  City Engineer.
City Hall,
  Greenwood, S. C.
C.E.  12-5-22  57

**REDDEN, J. E.,
  Prof. of Math. and Eng., John Tarleton Agricultural College.
Box 554,
  Stephenville, Texas.
C.E., L.S.  3-22-23  195

REED, J. O.,
  Res. Engr., State Highway Dept.
Swansea, S. C.  C.E.  3-22-23  193

REEVES, F. M.,
  Asst. Locating Engr., State Highway Dept.
Columbia, S. C.  C.E., L.S.  3-22-23  196

**RHETT, RICHARD C.,
  Surveyor.
29 Broad St.,
  Charleston, S. C.
L. S.  6-22-26  305

RHOAD, ST. CLAIR,
  Route 2,
  Branchville, S. C.
L.S.  7-9-29  336

RICHARDSON, JNO.,
  Pres. and Mgr., Richardson Construction Co.
P. O. Box 694,
  Charleston, S. C.
C.E., L.S.  3-22-23  190
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<td>ROBERTS, C. P.</td>
<td>Marion, S. C.</td>
<td>Consulting Engineers.</td>
<td>C.E., L.S.</td>
<td>3-23-23</td>
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<td>ROBINSON, C. CUSTER</td>
<td>Times-Dispatch Bldg.,</td>
<td>Member of Firm, C. M. Robinson, Architects.</td>
<td>M.E.</td>
<td>12-5-22</td>
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<td>ROWE, WALTER E.</td>
<td>Columbia, S. C.</td>
<td>Dean School of Engineering, Univ. of S. C.</td>
<td>C.E.</td>
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<td>ROYALL, N. N.</td>
<td>Elberton, Ga.</td>
<td>Engineer, Jaudon Engr. Co.</td>
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<td>**SANDERS, W. A.</td>
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<td>Civil Engineer.</td>
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<td>SCRUGGS, J. Y.</td>
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<td>County Engineer.</td>
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<td>SECREST, T. W.</td>
<td>P. O. Box 200, Rock Hill, S. C.</td>
<td>Land Surveyor.</td>
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<td>SHAND, G. E.</td>
<td>Box 121, Waxhaw, N. C.</td>
<td>Pres. Shand Engineering &amp; Sales Co., Vice-Chairman State Board of Engr. Examiners.</td>
<td>C.E., M.E.</td>
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<td>SHAW, H. W.</td>
<td>705 Lady St., Columbia, S. C.</td>
<td>Surveying and Drainage.</td>
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<td>Engineer and Surveyor, City Engineer.</td>
<td>506 Marshall Ave., Anderson, S. C.</td>
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<td>SHEPARD, G. J.</td>
<td>Asst. Prof. of Math., Wofford College.</td>
<td>126 E. Cleveland St., Spartanburg, S. C.</td>
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<td>SHULER, E. H.</td>
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<td>SINGLETARY, J. A.</td>
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<td>SIRRINE, J. E.</td>
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<td>SMITH, WILBUR W.</td>
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<td>SMITH, RUSSELL A.</td>
<td>Civil Engr. and Land Surveyor.</td>
<td>506 Circle Ave., Charlotte, N. C.</td>
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<td>SMITH, RAYMOND B.</td>
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<td>SMYLY, J. W.</td>
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<td>STEVENSON, T. C.</td>
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<td>SUDLOW, HARRY</td>
<td>905 West 2nd St.</td>
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<td>*SULLIVAN, J. F.</td>
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<td>Consulting Engineer.</td>
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<td>TALLMADGE, WEBSTER</td>
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<td>Steam Engineering Specialist.</td>
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<td>TEEPLE, PERRY M.</td>
<td>50 Church St.</td>
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<td>Civil Engineer and Surveyor.</td>
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</table>
THOMSON, B. M.,
Assistant City Engineer.

**TOBIN, L. P.,
Supt. and Gen. Mgr., Municipal Lighting
Water and Power Plant.

TOMLINSON, W. S.,
Pres. Tomlinson Engineering Co.,
City Engineer,
Member State Board of Eng. Examiners.

TOWLES, V. E.,

**TROTT, CAMBRIDGE M.,
Vice-Pres., Charleston Engr. & Const. Co.

**TRYON, HENRY H.,
Forest Engineer.

TURBEVILLE, W. R.,
Field Bridge Engr., S. C. State Highway Dept.

*TUTEN, L. B.,

**VERNER, C. V.,
Maint. Supv., S. C. State Highway Dept.

*VERNON, J. E.,
Contractor and Engineer.

WAGENER, C. F.,
Chief Engr., J. B. McCrory Engineering Co.

WALLACE, W. G.,
Assistant Lighthouse Engineer.

*WANNAMAKER, C. W.,
County Highway Engineer.
<table>
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<td>WATSON, GEO L.</td>
<td>150 Nassau St.,</td>
<td>Consulting Engineer.</td>
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<td>WHITE, GILBERT C.</td>
<td>406½ Main St.,</td>
<td>Consul. Engr. and Pres., Gilbert C. White Co.</td>
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<td>WHITE, H. H.</td>
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<td>Miller &amp; White, Engineers and Surveyors.</td>
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<td>WHITFIELD, W. A.</td>
<td>P. O. Box 826,</td>
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<td>WIGINTON, B. F.</td>
<td>Route No. 1,</td>
<td>Land Surveyor.</td>
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<td><strong>WILKINSON, A. C.</strong></td>
<td>Box 367,</td>
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<td>Globe Automatic Sprinkler Co.</td>
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<td>WILSON, CHAS. C.</td>
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<td>M.E.</td>
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<td>WISWALD, HOWARD</td>
<td>Land Surveyor and Timber Estimator.</td>
<td>10 Watauga St.,</td>
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<td>Engrs.; Member State Board of Engineering Examiners.</td>
<td>550 Poplar St.,</td>
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<td>**YOUNG, L. G.</td>
<td>Civil Engineer.</td>
<td>Union, S. C.</td>
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Deceased: B. R. Cowherd, Jr.; T. H. Hardin; Paul H. Norcross; H. C. Hightower; Arthur G. Boozer; Nisbet Wingfield; Adlai Osborne; H. G. Jones.

*Indicates that renewal fee, due June, 1929, has not been paid and registration has expired.

**Indicates that renewal fee, due June 1928 and 1929, has not been paid and registration is automatically revoked.
An Act Providing for the Creation and Establishment of a State Board of Engineering Examiners, Granting Certain Powers to and Prescribing the Duties of Said Board; Providing for the Examination and Registration Of Land Surveyors and Professional Engineers, Regulating the Practice of Engineering in the State of South Carolina and Providing Penalties for The Violation of This Act.

Section 1. That in order to safeguard life, health and property, any person practicing or offering to practice professional engineering or land surveying hereafter in this State shall be required to submit evidence that he or she is qualified so to practice, and shall be registered as hereafter provided; and that it shall be unlawful for any person to practice or to offer to practice professional engineering or land surveying in this State unless such person, has been duly registered as a professional engineer or land surveyor, or has been exempted from registration under the provisions of this Act. Provided, That the provisions of this Act shall not apply to land surveyors unless they desire to hold themselves out as "registered land surveyors."

Section 2. Under no circumstances shall the total amount of warrants issued by the State Auditor in payment of the expenses and compensations provided in this Act exceed the amount of the examination and registration fees collected as herein provided.

Section 3. As used in this Act:
(a) The "Board" means the State Board of Engineering Examiners provided for by this Act.
(b) "Surveyors," Any person who shall be engaged in locating, establishing or relocating any land boundary line between two or more land owners, or who shall be engaged in locating any United States Government, State, County, Township or Municipal land survey lines, or the lines of any public streets or roads, is hereby declared to be a Surveyor and as practicing land surveying within the provisions of this Act.
(c) Any person who shall be engaged in the designing or supervising of the construction, enlargement or alteration of any engineering structure, or utilities, as hereafter defined, or any part thereof for others and to be constructed by persons other than himself, shall be regarded as practicing Professional Engineering within the meaning of this Act. The practicing of professional engineering within meaning of this Act embraces the design and the supervision of the construction of public and private utilities, such as railroads, bridges, highways, roads, canals, harbors, river improvements, lighthouses, wet docks, dry docks, ships, barges, dredges, cranes, floating docks and other floating property, the design and the supervision of the construction of steam engines, turbines, internal combustion engines and other mechanical structures, electrical machinery and apparatus, and of works for the development, transmission or application of power, the design and the supervision of mining operations and of processes and apparatus for carrying out such operations, and the design and supervision of the construction of municipal works, irrigation works, water supply works, sewerage works, drainage works, industrial works, sanitary works, hydraulic works and structural works and of other public or private utilities or works which require for their design or supervision of the construction such experience
and technical knowledge as are required in Section 8 of this Act. The execution as a contractor of works designed by a professional engineer or the supervision of the construction of such work as a foreman or superintendent for such a contractor shall not be deemed to be the practice of professional engineering within the meaning of this Act.

(d) "Engineer" means any person who practices professional engineering.

Section 4. There is hereby created a State Board of Engineering Examiners consisting of five members to be appointed by the Governor within sixty (60) days after the passage of this Act. Three members of the Board shall be civil engineers, one a mining or electrical engineer, and the other one a mechanical engineer or naval architect. Of the members of the Board first appointed hereunder two shall hold office for a term of two years, two shall hold office for a term of three years, and one shall hold office for a term of four years, each term of office ending the first day of July. Upon expiration of each of such terms the term of office of each member thereafter appointed shall be four years. Each member shall hold over the expiration of his term until his successor shall be duly appointed and qualified. The Governor may remove any member of the Board for misconduct, incapacity or neglect of duty. Vacancies in the Board caused by death, resignation or removal from office shall be filled by appointment by the Governor for the unexpired term. Each member of the Board shall be a professional engineer of at least ten years active experience and of recognized good standing in his profession and shall be at least thirty-five years of age and shall have been a resident of this State for at least three years immediately preceding this appointment. Each member of said board except the members first appointed hereunder, shall also be registered as a professional engineer under this Act. The members of the Board shall receive as compensation, the sum of ten ($10.00) dollars per day for the time actually spent in traveling to and from and in attending sessions of the Board and its committees, and each member shall receive all necessary expenses incident to the performance of his duties under this Act.

Section 5. Every member of the Board shall receive a certificate of his appointment from the Governor and before beginning his term of office shall file with the SECRETARY OF STATE his written oath for the faithful discharge of his official duty. Each member of the Board first appointed hereunder shall receive a certificate of registration under this Act from said Board. The Board shall adopt and have an official seal. The Board may make all by-laws and rules not inconsistent with law needed in performing its duties; but no by-laws or rule by which more than a majority vote is required for any specified action by the Board shall be amended, suspended or repealed by a smaller vote than that required for action thereunder.

Section 6. The Board shall annually elect from its members a chairman, a vice-chairman and a secretary. The secretary shall give a surety bond in the sum of three thousand ($3,000.00) dollars conditioned for the faithful performance of his duties and for the accounting and paying over of all moneys received by him. The premium on said bond shall be paid from the fund of the Board hereinafter provided. The secretary shall keep on file a record of all certificates of registration granted. He shall receive and account for all fees derived from the operation of this Act, and shall pay to the State Treasurer, who shall keep such moneys in a separate fund, to be known as the Fund of the Board of Engineering Examiners, continued from year to year to be drawn against only for the expenses of the Board. Warrants for the payment of the expenses incurred shall be issued by the Comptroller General of the State and paid by the State
Treasurer upon presentation of vouchers regularly drawn by the chairman and the secretary of the Board, *Provided*, however, that at no time shall the total amount of warrants exceed the total amount of fees paid under this Act. On or before the 30th day of June in each year the Board shall submit to the Governor a written report of its transactions for the preceding year, and shall file with the SECRETARY OF STATE a copy of said report, together with a complete statement of the receipts and expenditures of the Board, attested by the affidavits of the chairman and secretary, and a complete list of those registered under this Act, with their addresses and the dates of their certificates of registration. The Board shall hold at least two regular meetings in each year, special meetings may be called in such manner as the by-laws of the Board may provide. Notice of all meetings shall be given in such manner as the by-laws of the Board may provide. At all meetings a majority of the Board shall constitute a quorum.

Section 7. The Board shall have power to employ, during its pleasure such clerks and other employees and to rent such offices as may be necessary for the proper performance by it of its duties as in this Act prescribed.

Section 8. The Board shall admit to examination any candidate who pays a fee of Fifteen ($15.00) Dollars and submits evidence verified by oath and satisfactory to the Board that he

(a) Is more than twenty-one (21) years of age.
(b) Is of good character, and
(c) Has been engaged in the practice of professional engineering or land surveying for at least four (4) years, and during that period has had charge of said work, as principal or assistant, for at least one year.
(d) Or, in lieu of requirement (c) specified above, is a graduate from an engineering school.

(e) Provided, however, That no person shall be eligible for registration who is not a citizen of the United States of America unless he has filed his first papers for naturalization; and then he will be required to have completed his naturalization within three years from the date he is granted certificate of registration, or he will be deprived from further practicing his profession or calling as set forth in this Act.

Section 9. Examinations for registration shall be held at regular or special meetings of the Board at such times and at such places within the State in each year as the Board shall determine. The scope of the examinations and the methods of procedure shall be prescribed by the Board with special reference to the applicant's ability to design and supervise engineering works which shall insure the safety of life and property. Examinations shall be held to determine the qualifications of applicants for registration separately in surveying or in any one of the branches of professional engineering, embracing civil, mechanical and electrical, mining or naval architecture. The examination may be either oral or partly written. As soon as practicable after the close of each examination the members of the Board who shall have conducted such examination shall make and sign and file with the secretary a certificate stating the action of the Board upon the application of each candidate, whereupon the Secretary of the Board shall notify each candidate of the result of his examination. A candidate failing on examination, may, after an interval of not less than one year, be examined again.

Section 10. In the case of examination as professional engineer, upon receipt of an additional fee of Ten ($10.00) Dollars, the Board shall issue to any applicant who has been reported to have passed the examination conducted by the Board, a certificate of registration as a professional engineer in the branch or branches in which he is qualified, signed by the
chairman and secretary of the Board under the seal of the Board, whereupon such applicant shall be authorized to practice professional engineering as defined by this Act. In case of examination as land surveyor the Board shall issue to any applicant who has been reported to have passed the examination conducted by the Board, a certificate of registration as a land surveyor, signed by the chairman and secretary of the Board under the seal of the Board, whereupon such applicant shall be authorized to practice land surveying as defined by this Act. A certificate of registration as a professional engineer shall not carry with it the right to practice land surveying unless it is specially permitted by said certificate, which permission shall be granted by the Board without additional fee in the case of any applicant duly qualified as prescribed by the rules of the Board.

Section 11. At any time within one year after this Act has become effective, upon due application thereof and the payment of a fee of twenty-five ($25.00) dollars the Board shall issue a certificate of registration, as provided by Section 10, to any professional engineer or land surveyor who shall submit evidence under oath and satisfactory to the Board that he is of good character, has been a resident of the State of South Carolina for at least one year immediately preceding the date of his application, and has practiced professional engineering or land surveying preceding the date of his application, and during that period has had charge of engineering work or land surveying as principal or assistant. After this Act shall have been in effect one year, the Board shall issue certificates of registration only as provided in Sections 5, 10 and 11 hereof.

Section 12. The Board shall, from time to time examine the requirements for the registration of professional engineers in other States, territories and countries and shall record those in which, in the judgment of the Board, standards not lower than those provided by this Act are maintained. The Secretary of the Board, upon the presentation to him by any person of satisfactory evidence that such person holds a certificate of registration issued to such person by proper authority in any such State, territory, or country as recorded and upon receipt by him of a fee of Twenty-five ($25.00) Dollars shall issue to such person a certificate of registration under this Act, signed by the Chairman and Secretary under the seal of the Board whereupon the person to whom such certificate is issued shall be entitled to all the rights and privileges conferred by a certificate issued after examination by the Board.

Section 13. It shall be the duty of the Board to inquire into the identity of any person practicing or claiming to be a land surveyor, or professional engineer. The Board shall have the power by four-fifths vote to revoke the certificate of any professional engineer or land surveyor registered hereunder, found guilty of any fraud, deceit or gross incompetency in his practice, or guilty of any fraud or deceit in obtaining his certificate, or in case he is found by the same vote to be incompetent. Proceedings for the revocation of license of registration shall be begun by filing with the Secretary of the Board written charges against the accused. The Board shall designate a time and place for a hearing and shall notify the accused of this action and furnish him a copy of all charges at least ten days prior to the date of the hearing. The accused shall have the right to appear personally or by counsel, to cross examine witness or to produce witnesses in his defense. The Board may summons witnesses and administer oaths. It shall be the duty of the Board to prosecute any persons violating the provisions of this Act.

Section 14. Every certified professional engineer so registered under this Act who desires to continue the practice of his profession shall annually pay to the Secretary of the Board a fee of Five ($5.00) Dollars
on or before a date to be fixed by the Board, for which fee a renewal certificate of registration for the current year shall be issued.

Section 14-A. Every land surveyor so registered under this Act who desires to continue the practice of his profession shall annually pay to the Secretary of the Board a fee of Three ($3.00) Dollars on or before a date to be fixed by the Board, for which fee a renewal certificate of registration for the current year shall be issued.

Section 15. An unrevoked certificate and endorsement of registry made as provided in this Act shall be presumptive evidence in all courts and places that the person named therein is legally registered.

Section 16. The provisions of the Act shall apply to every corporation domestic or foreign, engaged in the business of professional engineering within the State of South Carolina, except that certificate of registration issued hereunder shall be held by one or more of its officers or employees instead of by such corporation.

Section 17. The Board each year shall certify and publish a complete list of registered professional engineers and land surveyors with their business addresses.

Section 17-A. Nothing contained in this Act shall apply to land surveyors who shall have been engaged in the active practice of their profession as land surveyors as long as five years prior to the date hereof, but such surveyors may obtain registration upon voluntary compliance with the terms of this Act.

Section 18. Any person who, not being then legally authorized to practice professional engineering or land surveying within the State according to the provisions of this Act and so registered according to law, shall practice, or attempt or advertise to practice, or holding himself out as authorized to practice professional engineering or land surveying or shall use in connection with his name, or otherwise assume, use or advertise any title or designation tending to convey the impression that he is a professional engineer or registered land surveyor, shall be deemed guilty of a misdemeanor and shall for each offence of which he is convicted be punished by a fine not to exceed five hundred ($500.00) dollars or by imprisonment not to exceed three months, or both such fine and imprisonment.

Section 19. This Act shall not apply to military engineering nor to any professional engineer working for the United States Government, nor to employees of railroads nor inter-state public service corporations. Nor to any professional engineer employed as an advisor or an assistant to a professional engineer registered under this Act; nor to any professional engineer coming from without this State and employed therein until a reasonable time, as prescribed by the rules of the Board, shall have elapsed to permit the registration of such person under this Act, Provided, That before practicing within this State he shall have applied for the issuance to him of a certificate of registration and shall have paid the fee prescribed in this Act.

Section 20. This Act shall not apply to any architect registered by the State of South Carolina under the provisions of the Act creating the State Board of Architecture.

Section 21. Persons licensed to practice professional engineering in this State under this Act shall be exempt from the provision of any Act providing for the licensing of architects or regulating the practice of architecture in so far as the definition of "buildings" in any said Architects' Act may include, or be included in the structures enumerated in Section 3 of this Act.
Section 22. All laws or parts of laws in conflict with the provisions of this Act be and the same are hereby repealed.

Section 23. This Act shall take effect immediately upon its passage and approval by the Governor.

Approved the 22nd day of March, A.D., 1922,

R. A. COOPER, Governor.

Amending Act Approved the 10th day of March, A.D., 1928.

JOHN G. RICHARDS, Governor.
ARTICLES OF AGREEMENT ON RECIPROCAL REGISTRATION

Article 1. Reciprocal registration as provided for in these Articles of Agreement shall be granted only to an applicant who is already registered in some state which is a member of this Council. A detailed professional record, properly attested, and accompanied by references as to character and qualification from three registered practicing engineers shall be filed with the applicant's board of examiners. Qualification for reciprocal registration shall be determined upon the basis of such professional record thorough consideration of which shall constitute examination.

Article 2. Engineering experience gained by the applicant prior to his reaching the age of eighteen years shall not be counted as a part of his professional experience.

Article 3. Professional experience shall be considered as beginning when the candidate has entered upon a position in professional engineering work which requires original thought and responsibility. For example:

(a) In the field experience shall begin to count when the applicant reaches a position of responsibility equivalent to that of actual transitman.

(b) In the shop or laboratory experience shall begin to count only after apprenticeship, foremanship, inspectorship or other subordinate positions unless the work done specifically shows that the applicant possesses originality of design and has had responsibility in his subordinate positions.

(c) In the office or drafting room experience shall begin to count when the applicant ceases to do merely tracing, lettering, or purely mechanical work requiring for its performance merely manual dexterity, and enters a position of responsibility where he begins actual design.

(d) Experience in the teaching of engineering shall begin to count when the applicant is a full-time instructor in engineering in an engineering school of recognized standing and each year of teaching shall be considered equivalent to one year of practice.

Article 4. The applicant shall have had ten years of experience in professional engineering, and in addition shall show that he is qualified to design as well as to direct engineering operations, as evidence of qualification for reciprocal registration, and his experience record shall show progressive advancement in the character of the work performed.

Each case shall be considered on its merits, and the experience record must be given in such complete detail that the board of examiners can determine the character of work performed by the applicant.

Article 5. Graduation from an engineering school of recognized standing shall be accepted as the equivalent of four years of such practice.

An engineering school of recognized standing shall be one which requires the equivalent of a high school or preparatory school diploma as an entrance requirement and demands the equivalent of a four years' course in engineering for graduation.

Article 6. Making reciprocal registration operative between the states shall be done by means of certification from one state to another of the applicant's qualifications. This certification shall be by means of a card
or form bearing the date, serial number and signatures of the officers and the seal of the board of the state issuing same. This card is to be printed and distributed by the Council of State Boards of Engineering Examiners.

Article 7. Whenever an applicant applies to his own state board for reciprocal registration, if his qualifications fully comply with the standard herein provided, he shall be granted the same.

(Note: The Council has by resolution interpreted "that he may be granted a reciprocal card by the state in which he was first registered, provided the state of which he is a resident does not have a law providing for the registration of engineers.")

Article 8. The aforesaid reciprocal registration certificate shall be prima facie evidence of qualification for registration in any state that is a member of this Council and that has subscribed to these Articles of Agreement. When such reciprocal registration certificate is presented, together with the legal fee required and such information (other than evidence of qualification) as may be requested for the records of the board to which the application is made, such board shall issue a registration certificate to the applicant.

Article 9. Any reciprocal certificate may be revoked by the state issuing same upon presentation to its board of examiners of good and sufficient evidence of incompetency, or proof that the applicant's character warrants such revocation.

Article 10. Should any question or disagreements in the interpretation of these Articles arise, such questions shall be referred to the Council for action at its next regular meeting, or if more expeditious action shall be necessary, they may be acted upon by the Council by letter ballot.

If action is taken by letter ballot, such action shall be conducted through the office of the Secretary of the Council in the customary manner; and the votes shall be counted not later than sixty days after forwarding from his office, by registered mail, of questions at issue. The Secretary of the Council shall thereupon immediately certify to the various member boards the roll call and results of the vote, and the determination of the questions at issue; and consequent actions shall be in accordance with the majority of the votes recorded.