

Boiler Maker and Plate Fabricator

Reg. U. S. Pat. Off.

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NUMBER 6

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BOILER MAKER AND PLATE FABRICATOR is a member of the Associated Business Papers, Inc. (A. B. P.), and the Audit Bureau of Circulation, (A. B. C.)

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California	New Jersey	Utah
Delaware	New York	Washington
Indiana	Ohio	Wisconsin
Maine	Oklahoma	District of Columbia
Maryland	Oregon	Panama Canal Zone
Michigan	Pennsylvania	Territory of Hawaii
Minnesota		

Cities		
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Detroit, Mich.	St. Joseph, Mo.	Nashville, Tenn.
Erie, Pa.	St. Louis, Mo.	Omaha, Neb.
Evanston, Ill.	Scranton, Pa.	Parkersburg, W. Va.
Houston, Tex.	Seattle, Wash.	Philadelphia, Pa.
Kansas City, Mo.	Tulsa, Okla.	Tampa, Fla.

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California	Missouri	Pennsylvania
Delaware	New Jersey	Rhode Island
Indiana	New York	Utah
Maryland	Ohio	Washington
Michigan	Oklahoma	Wisconsin

Cities		
Chicago, Ill.	Memphis, Tenn.	St. Louis, Mo.
Detroit, Mich.	Nashville, Tenn.	Scranton, Pa.
Erie, Pa.	Omaha, Neb.	Seattle, Wash.
Kansas City, Mo.	Parkersburg, W. Va.	

Boiler Manufacturers Meet at Skytop

With a determined effort being made by the boiler manufacturing industry to consolidate the gains in production during the past year, members of the American Boiler Manufacturers' Association and Affiliated Industries met at Skytop Lodge, Skytop, Pa., May 31 to June 3 to consider a course of action that will bring about this desirable result.

In his opening address before the general meeting on June 1, attended by about 60 members, associates and guests, President Owsley Brown, of the Springfield Boiler Company, Springfield, Ill., stressed the need for perpetuating the favorable policies developed during the N.R.A. period and subsequently. This industry, after the demise of N.I.R.A., adopted a voluntary code, which, under the able direction of a manager for the industries involved, has functioned to the advantage of all members. Better prices have been obtained for products and price-cutting has been largely eliminated.

Rapidly changing conditions in the legislative situation have created new problems which must be met and regulations for the industry must be brought in line with new requirements. Only by co-operation throughout the boiler manufacturing and affiliated industries can these problems be solved. This is the entire basis on which every element of unfair competition can be eliminated in the future. Mr. Brown concluded with the plea that this spirit of co-operation be the guiding force of the committee meetings which were to follow.

At the general sessions, time was devoted to the presentation of several standing committee reports which follow:

COMMITTEE ON BOILER FEED-WATER STUDIES

The Joint Research Committee on Boiler Feed-Water Studies is sponsored by the following six organizations: The American Society of Mechanical Engineers; The Edison Electric Institute; The American Railway Engineering Association; The American Water Works Association; The American Society for Testing Materials; The American Boiler Manufacturers Association.

The work of the committee is being carried on under nine sub-committees which are:

Sub-Committee 1.—Coagulation and Sedimentation.

Sub-Committee 2.—Organic Chemicals as Internal Boiler Water Treatment.

Sub-Committee 3.—Foaming and Priming.

Sub-Committee 4.—Electrolytic Prevention of Scale and Corrosion.

Sub-Committee 5.—Corrosion of Boiler and Effect of Treated Water in Accelerating or Relieving Corrosion.

Sub-Committee 6.—Effect of Solution Composition on the Cracking of Boiler Metal.

Sub-Committee 7.—Municipal Water Supplies in Relation to Industrial Use.

Sub-Committee 8.—Standardization of Water Analysis Methods.

Sub-Committee 9.—Review of Patent Literature on the Subject of Boiler Water Treatment.

With the exception of Sub-Committee 6 the work of these committees is at present being carried on at little or no expense to the committee.

Because of the nature and scope of the work being carried on by Sub-Committee 6, special apparatus and expert technicians have been required. Much basic work has been done and a two-year program for the continuation of the work has been laid out. This program entails an expenditure of \$7500 a year. Assuming this expense equally divided among the six sponsor organizations an assessment of \$1250 from each organization is indicated. An additional sum of \$100 is requested from each of the six organizations for general committee expense. This fund will be used principally for the printing and distribution of sub-committee reports.

The report was presented by committee members W. F. Keenan, Jr., and B. J. Cross, representing the American Boiler Manufacturers' Association.

A summary of the current knowledge on caustic embrittlement and a review of the activities of Sub-Committee 6 of the Joint Research Committee on Boiler Feed-Water Studies was presented and will be published in the July issue.

Other reports, all of which were presented by A. G. Weizel, Combustion Engineering Corporation, New York, follow:

A.S.M.E. BOILER CODE CONFERENCE COMMITTEE

In order to keep abreast of the progress being made in the development of pressure vessels and of the materials of which they are constructed, the Boiler Code Committee of the American Society of Mechanical Engineers has made a number of necessary revisions and additions to the various sections of its code. Revisions of material specifications have been made in order to keep up-to-date with the corresponding revisions of the A.S.T.M. material specifications. In some instances, the Boiler Code Committee, after presentation of evidence as to suitability, has approved revised or new material specifications pending adoption by the A.S.T.M. to permit their immediate use. Such action was taken to permit the use of steel containing a range of from 0.25 to 0.60 molybdenum in the high-tensile steels covered by Specifications S-26 and S-27. The use of molybdenum in these steels not only improves their characteristics for forming or working, but is also advantageous from the weldability standpoint.

A special committee has been appointed to prepare revisions to Section VIII of the A.S.M.E. Boiler Code on Unfired Pressure Vessels with the idea of incorporating in the new section the best features of the A.S.M.E. and A.P.I.-A.S.M.E. Code for Unfired Pressure Vessels.

The Boiler Code Committee has adopted for publication, as proposed revisions, the report of its Sub-Committee on Ferrous Materials which covers the allowable stress at elevated temperatures for the various steel plate specifications. In setting the values for the stress for the various temperatures, the sub-committee was guided by the short time properties of the materials in question, namely, ultimate strength and yield point but at the same time the allowable stress was not permitted to exceed 80 percent of the indicated stress which would cause 1 percent creep in 100,000 hours.

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California	New Jersey	Utah
Delaware	New York	Washington
Indiana	Ohio	Wisconsin
Maine	Oklahoma	District of Columbia
Maryland	Oregon	Panama Canal Zone
Michigan	Pennsylvania	Territory of Hawaii
Minnesota		
Cities		
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Erie, Pa.	St. Louis, Mo.	Omaha, Neb.
Evanston, Ill.	Scranton, Pa.	Parkersburg, W. Va.
Houston, Tex.	Seattle, Wash.	Philadelphia, Pa.
Kansas City, Mo.	Tulsa, Okla.	Tampa, Fla.

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California	Missouri	Pennsylvania
Delaware	New Jersey	Rhode Island
Indiana	New York	Utah
Maryland	Ohio	Washington
Michigan	Oklahoma	Wisconsin
Cities		
Chicago, Ill.	Memphis, Tenn.	St. Louis, Mo.
Detroit, Mich.	Nashville, Tenn.	Scranton, Pa.
Erie, Pa.	Omaha, Neb.	Seattle, Wash.
Kansas City, Mo.	Parkersburg, W. Va.	Tampa, Fla.

Recovery of industry indicated as

Boiler Manufacturers Meet at Skytop

With a determined effort being made by the boiler manufacturing industry to consolidate the gains in production during the past year, members of the American Boiler Manufacturers' Association and Affiliated Industries met at Skytop Lodge, Skytop, Pa., May 31 to June 3 to consider a course of action that will bring about this desirable result.

In his opening address before the general meeting on June 1, attended by about 60 members, associates and guests, President Owsley Brown, of the Springfield Boiler Company, Springfield, Ill., stressed the need for perpetuating the favorable policies developed during the N.R.A. period and subsequently. This industry, after the demise of N.I.R.A., adopted a voluntary code, which, under the able direction of a manager for the industries involved, has functioned to the advantage of all members. Better prices have been obtained for products and price-cutting has been largely eliminated.

Rapidly changing conditions in the legislative situation have created new problems which must be met and regulations for the industry must be brought in line with new requirements. Only by co-operation throughout the boiler manufacturing and affiliated industries can these problems be solved. This is the entire basis on which every element of unfair competition can be eliminated in the future. Mr. Brown concluded with the plea that this spirit of co-operation be the guiding force of the committee meetings which were to follow.

At the general sessions, time was devoted to the presentation of several standing committee reports which follow:

COMMITTEE ON BOILER FEED-WATER STUDIES

The Joint Research Committee on Boiler Feed-Water Studies is sponsored by the following six organizations: The American Society of Mechanical Engineers; The Edison Electric Institute; The American Railway Engineering Association; The American Water Works Association; The American Society for Testing Materials; The American Boiler Manufacturers Association.

The work of the committee is being carried on under nine sub-committees which are:

Sub-Committee 1.—Coagulation and Sedimentation.

Sub-Committee 2.—Organic Chemicals as Internal Boiler Water Treatment.

Sub-Committee 3.—Foaming and Priming.

Sub-Committee 4.—Electrolytic Prevention of Scale and Corrosion.

Sub-Committee 5.—Corrosion of Boiler and Effect of Treated Water in Accelerating or Relieving Corrosion.

Sub-Committee 6.—Effect of Solution Composition on the Cracking of Boiler Metal.

Sub-Committee 7.—Municipal Water Supplies in Relation to Industrial Use.

Sub-Committee 8.—Standardization of Water Analysis Methods.

Sub-Committee 9.—Review of Patent Literature on the Subject of Boiler Water Treatment.

With the exception of Sub-Committee 6 the work of these committees is at present being carried on at little or no expense to the committee.

Because of the nature and scope of the work being carried on by Sub-Committee 6, special apparatus and expert technicians have been required. Much basic work has been done and a two-year program for the continuation of the work has been laid out. This program entails an expenditure of \$7500 a year. Assuming this expense equally divided among the six sponsor organizations an assessment of \$1250 from each organization is indicated. An additional sum of \$100 is requested from each of the six organizations for general committee expense. This fund will be used principally for the printing and distribution of sub-committee reports.

The report was presented by committee members W. F. Keenan, Jr., and B. J. Cross, representing the American Boiler Manufacturers' Association.

A summary of the current knowledge on caustic embrittlement and a review of the activities of Sub-Committee 6 of the Joint Research Committee on Boiler Feed-Water Studies was presented and will be published in the July issue.

Other reports, all of which were presented by A. G. Weizel, Combustion Engineering Corporation, New York, follow:

A.S.M.E. BOILER CODE CONFERENCE COMMITTEE

In order to keep abreast of the progress being made in the development of pressure vessels and of the materials of which they are constructed, the Boiler Code Committee of the American Society of Mechanical Engineers has made a number of necessary revisions and additions to the various sections of its code. Revisions of material specifications have been made in order to keep up-to-date with the corresponding revisions of the A.S.T.M. material specifications. In some instances, the Boiler Code Committee, after presentation of evidence as to suitability, has approved revised or new material specifications pending adoption by the A.S.T.M. to permit their immediate use. Such action was taken to permit the use of steel containing a range of from 0.25 to 0.60 molybdenum in the high-tensile steels covered by Specifications S-26 and S-27. The use of molybdenum in these steels not only improves their characteristics for forming or working, but is also advantageous from the weldability standpoint.

A special committee has been appointed to prepare revisions to Section VIII of the A.S.M.E. Boiler Code on Unfired Pressure Vessels with the idea of incorporating in the new section the best features of the A.S.M.E. and A.P.I.-A.S.M.E. Code for Unfired Pressure Vessels.

The Boiler Code Committee has adopted for publication, as proposed revisions, the report of its Sub-Committee on Ferrous Materials which covers the allowable stress at elevated temperatures for the various steel plate specifications. In setting the values for the stresses for the various temperatures, the sub-committee was guided by the short time properties of the materials in question, namely, ultimate strength and yield point but at the same time the allowable stress was not permitted to exceed 80 percent of the indicated stress which would cause 1 percent creep in 100,000 hours.

