

Exhibit No. 0119

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CIV RESEARCH

AMERICAN STANDARDS ASSOCIATION

1945-46
YEAR BOOK

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Chief Engineer
— Junior Post
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man of the
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man, General

AMERICAN STANDARDS ASSOCIATION



1945-46 YEAR BOOK

Table of Contents

Officers	Inside Front Cover	Building Code Correlating Committee	96
Board of Directors	Inside Front Cover	Electrical Standards Committee	97
Executive Committee and Finance Committee	Inside Front Cover	Highway Traffic Standards Committee	97
Membership Committee	Inside Front Cover	Mechanical Standards Committee	97
Officers of the Standards Council	Inside Front Cover	Mining Standardization Correlating Committee	97
Advisory Committee	Inside Front Cover	Safety Code Correlating Committee	98
Member Organizations	2 & Supplement	Advisory Committee on Ultimate Consumer Goods	98
The American Standards Association	10	United States National Committee of the International Electrotechnical Commission	98
Why Standardize?	11	Delegates to the United Nations Standards Coordinat- ing Committee	98
Development of American Standards	12	Constitution and By-Laws	99
Examples of Typical Projects	13	A Statement of the Basic Principles Underlying ASA Work	103
Setup of the ASA	13	Procedure	103
Chart (Setup of the ASA)	14	Address List	106 & Supplement
Cooperation with Governmental and Trade and Tech- nical Agencies	15	Foreign Standardizing Bodies	Supplement
International Cooperation	15	Index	113
Inter-American Cooperation	16	Memberships	Inside Back Cover
Approved American Standards and Projects Under De- velopment	17 & Supplement	Member-Bodies Associate Members Combined Association & Company Members Company Members Individual Members	
American Safety Standards	98		
Local Representatives	98		
The Standards Council	Supplement		
Board of Examination	98		
Committee on Procedure	98		

Standardization is dynamic, not static. It means
not to stand still, but to move forward together.

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- American Gas Association
- American Institute of Bolt, Nut and Rivet Mfrs
- American Institute of Electrical Engineers
- American Institute of Steel Construction, Inc.
- American Iron and Steel Institute
- American Petroleum Institute
- American Society of Civil Engineers
- American Society of Mechanical Engineers
- American Society for Testing Materials
- American Society of Tool Engineers, Inc.
- American Transit Association
- American Water Works Association
- Association of American Railroads
- Automobile Manufacturers Association
- Cast Iron Pipe Research Association
- Copper and Brass Research Association
- Electric Light and Power Group
- Association of Edison Illuminating Cos
- Edison Electric Institute
- Federal Works Agency
- Fire Protection Group
- Assoc. Factory Mutual Fire Insurance Cos
- National Board of Fire Underwriters
- National Fire Protection Association
- Underwriters' Laboratories, Inc.
- Institute of Radio Engineers
- Manufacturers Standardization Society of the
Valve and Fitting Industry
- Metal Cutting Tool Institute

National Aaaa of Mutual Caroeaty Companies
National Conservation Bureau
National Electrical Manufacturers Association
National Housing Agency
National Lumber Mfrs Aaaa
National Machine Tool Builders' Association
National Safety Council
Outdoor Advertising Aaaa of America, Inc
Oxychloride Cement Aaaa
Photographic Manufacturers Groups
Aaaa Div of General Aniline & Film Corp
Eastman Kodak Company
Photo Products Dept. E. L. du Pont de Nemours & Co
Radio Manufacturers Association
Scientific Apparatus Makers of America
Screw Industry Standards Committee
Society of Automotive Engineers, Inc
Telephone Groups
Toll Telephone System
U. S. Independent Telephone Aaaa
United States Department of Agriculture
United States Department of Commerce
United States Department of the Interior
United States Department of Labor
United States Government Printing Office
United States Navy Department
United States Treasury Department
United States War Department

American Association of Textile Chemists and Colorists
American Council of Commercial Labor
American Gear Manufacturers Assn
American Home Economics Assn
American Hospital Association
American Institute of Architects
Amer Soc Heating and Ventilating Engrs
Amer Soc of Refrigerating Engrs
American Trucking Assn. Inc
American Welding Society
Anti-Friction Bearing Mfg Assn. Inc
Asphalt Roofing Industry Bureau
Asphs General Contractors of Amer. Inc

Association of Gas Appliances and
 Equipment Manufacturers
 Association of Iron and Steel Engs
 Am. Consumer Bd. in Adv. Inc.
 Division of Fireproof Association
 Grinding Wheel Manufacturers Assn
 Gypsum Association
 Nat. Exchange Institute
 Humane Engineering Society
 Industrial Safety Equipment Assn
 Insulation Board Institute
 International Acetylene Assn
 Modular Service Association
 Nat. Assn. of Fishermen of Terrestrial Fish

Nat Assn of Wool Manufacturers
 Nat Elevator Mfg Industry, Inc
 Nat Federation of Textiles, Inc
 National Lime Association
 National Retail Dry Goods Assn
 Red Cedar Shingle Bureau
 Research Council of the Academy of
 Motion Picture Arts and Sciences
 Soc of Motion Picture Engineers
 Structural Clay Products Institute
 Textile Color Card Assn of U. S. Inc
 U. S. Carp Sawn Service Bureau
 U. S. Machine Sawn Service Bureau
 Veneer Association

A—A. Stevens, Inc.
Advanced Machine Tool Co.
AC Smart Play Co.
Amdur & Company Insurance
Co. of Winchester, Switzerland
Ammert's Limited of Wiro Corp.
Aune Electric & Mfg. Co.
Aune Industrial Co.
Aune Machine Tool Co.
Aune Machinery Div. of
Hill-Aune Co.

Beth Creek, W.Va.
East Providence, R. I.
Flint, Mich.
New York, N. Y.
New Haven, Conn.
Olin, N. Y.
Chicago, Ill.
Channah, Ohio
Cleveland, Ohio

Anna West Co
 Anna W's & Co
 Anson Bldg Co
 Frank Adam Electric Co
 Adolf Prohaska Products Corp
 Admiring Corp
 Aerograph Co
 Astra Candy and Sundry Co
 Astra Oil Co Inc
 Air Reduction Sales Co
 Air Temp Inc

Chicago, Ill.
New Haven, Conn.
Cleveland, Ohio
St. Louis, Mo.
Durham, Calif.
Chicago, Ill.
Dayton, Ohio
Hartford, Conn.
Louisville, Ky.
New York, N. Y.
Dayton, Ohio

Albrecht-Marine Products, Inc.	Marion, Pa.
Albrecht Surver Products Co	Long Island City, N.Y.
Alcoa Mfg Corp	Kansas City, Mo.
Alcoaust Mfg Co Inc	Mount Vernon, N.Y.
Aluminum Corp	Chicago, Ill.
Alus Mfg Co	Cleveland, Ohio
Alvco, Corbin & Thompson Ry	Alvco, Ohio
Alvco Products Co	Alvco, Ohio
Alabama Power Co	Birmingham, Ala.
Alan Wood Steel Co	Chambersburg, Pa.

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Hartford, Pa.
 Grand City, N. Y.
 New City, Kansas
 San Francisco, N. Y.
 Chicago, Ill.
 Cleveland, Ohio
 Akron, Ohio
 Akron, Ohio
 Birmingham, Ala.
 Philadelphia, Pa.

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Individual Members

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James F. Anglin	Wm. C. Granger
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E. F. Carper	Orlando Bonds Johnson
W. W. Churchill, Jr.	Ernest A. Marten
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The American Standards Association

The American Standards Association is a federation of national associations and government departments dealing with standardization. Through it, government, technical societies, industry, labor and the consumer work together to develop a mutually satisfactory, consistent set of national standards. The ASA also acts as the authoritative American channel for international cooperation in standardization work. The fundamental service to industry is the unifying and codifying of policy and practice into clear usable standards.

During the past 27 years the American Standards Association's broad range of projects has included dimensional standards to allow for interchangeability of supplies or to secure the interworking of parts of interrelated apparatus; specifications for materials and methods of test; definitions of technical terms used in industry; industrial safety codes to make possible uniform requirements in safety devices for machines and other equipment in the fields of both public and industrial safety; industrial health codes for the prevention of occupational diseases; building code standards and specifications for consumer goods sold in retail trade.

In 1918 the American Engineering Standards Committee, now the American Standards Association, was organized by five national engineering societies to serve as a clearing house for coordinating their standardization activities. Ten years later the committee found it necessary to reorganize along broader, more flexible lines to meet the growing needs in various new industrial fields.

At the beginning of World War II the ASA had a backlog of 700 industrial standards which were immediately available for the war effort. For example, mechanical standards for tools, bolts, screws, drawings, bearings, and other mechanical elements were ready for instant use; safety standards for protection of workers from industrial accidents; electrical standards for motors, wires and cables, insulators, and switchgear were also ready.

It had adopted in 1941 an emergency pro-

cedure for speeding up the jobs requested by government and industry for war use. As a result, the ASA was able to make an important contribution to the war effort. Of the 638 standards adopted during the four war years, approximately 85 percent were directly concerned with the war effort, of which some 30 percent were directly for the use of the armed forces, 25 percent for the safety and protection of workers, and 30 percent related to matters directly important to facilitate large scale production.

The importance of standards work in wartime has been recognized by all concerned. The greatly expanded effort in large scale production and the great increase in government controls have brought increased appreciation of the importance of standards in our highly industrialized economy. Now on the threshold of the postwar era the American Standards Association is ready to play its part in helping industry and government in their expanding standardization problems.

The Association, composed of 92 national organizations and 2000 companies, has approved the 849 American Standards, American War Standards, and American Standard Safety Codes which are listed herein. This work represents the consensus of opinion expressed by over 650 organizations which send some 3500 representatives to technical committees.

Many American Standard Safety Codes form the backbone of state and federal industrial regulations. Industry is using these safety codes to reduce accidents and to encourage better labor relations. There is effective cooperation between the American Standards Association and state highway, utility, and traffic administrations.

The technical work of the ASA, including official approval of standards, methods of procedure, etc., is under the supervision of the Standards Council, composed of official representatives of all Member-Bodies. The Board of Directors is responsible for the administrative and the financial affairs of the Association.

Every industrial process largely suffers with problems. Stand to be an effective

It enables us to and makes to do better

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By simplifying lives for

It decreases disorganizing costs

It eliminates waste—

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By focusing one of the

By economizing thought as they will

By bringing decisions doubtful to measure

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By economic support for sales upon the

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